OMB Control No: 1910-5150
Expiration Date: 12/31/2013

U.S. Department of Energy

# ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG) QUARTERLY PERFORMANCE REPORT

Grant Number: EE0000786 Grantee Name: Lake, County of
Reporting Period: 10/01/2012 - 12/31/2012 Report Status: Approved Grant Complete and ready for Close out: [X]

Activity Title: Incentive Funds
Activity: 4. Financial Incentive Program

| | | | |
|---|---|---|---|
| Activity Status: | Completed | % of Work Complete: | 100 |
| Planned Start Date: | 01/15/2011 | Planned End Date: | 07/26/2012 |
| Actual Start Date: | 07/05/2011 | Actual End Date: | 12/12/2012 |
| Proposed Activity Budget: | $1,499,282.45 | Planned Outlays For this Period: | $0.00 |

Description:

Lake County proposes to create a two-part financial incentive program to encourage energy efficiency upgrades and reduce energy waste: (1) a Residential and Small Commercial (RSC) incentive and (2) a County "lead by example" green building program with funds to pay for the incremental cost high-efficiency equipment and energy efficiency services. 1. The RSC rebate incentive is a program intended for residential and small commercial property owners, which will pay for up to 20% of energy efficiency retrofits up to a total of $500 per home and $1,000 per business. Retrofits may include lighting retrofits; HVAC systems, duct sealing, and building envelope retrofits, including increased insulation; plumbing or site retrofits aimed toward energy efficiency gained through water conservation; and others. In the past year, 49 homes were retrofitted. This program's goal is 650 homes per year, a twelvefold increase, and 45 businesses per year. Due to the marked increase of work in these target markets, the RSC incentive will create competition, create jobs, and reduce the per-unit cost of weatherization-related retrofits for homeowners and small business owners. The building owners will benefit from the reduced initial cost due to volume and the County incentive, plus utility rebates where available and federal tax credits. This program will leverage resources by encouraging home and business owners to invest their own money to maximize efficiency and sustainability through green building measures .2. As part of eligible activity #3, Lake County is benchmarking its facilities to identify cost-effective energy retrofits in County-owned facilities, for example the County parking facilities. The Lake County ARRA Program Manager will work with facility managers to put together a performance contract bid to improve those facilities with measures that meet County specifications. The performance contracting "plus" financial incentive will cover the incremental cost of purchasing high efficiency equipment and services that lead to efficient operation such as building commissioning, recommissioning, or retrocommissioning. These investments in efficiency may allow for LEED certification and ENERGY STAR labeling for qualifying buildings.

## ACTIVITY MILESTONES

| Planned Start | Planned Completion | Planned Amount | Actual Start | Actual Completion | Previously Reported | Actual Amount This Qtr | Actual Amount Cumulative To Date | Status |
|---|---|---|---|---|---|---|---|---|
| Use 100% of rebate funding (of original $826,000+ allocated) | | | | | | | | |
| 05/01/2012 | 07/26/2012 | 200,000 | 07/05/2011 | 12/31/2011 | 0 | 0 | 0 | Ahead |
| Use 50% of rebate funding | | | | | | | | |
| 11/01/2011 | 01/30/2012 | 200,000 | 07/05/2011 | 09/19/2011 | 0 | 0 | 0 | Ahead |

## REQUIRED METRICS

### Financial Metrics

OMB Control No: 1910-5150
Expiration Date: 12/31/2013

U.S. Department of Energy

# ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG) QUARTERLY PERFORMANCE REPORT

Grant Number: EE0000786 Grantee Name: Lake, County of
Reporting Period: 10/01/2012 - 12/31/2012 Report Status: Approved Grant Complete and ready for Close out: [X]

Activity Title: Incentive Funds - continued -
Activity: 4. Financial Incentive Program

## REQUIRED METRICS

### Financial Metrics

| Use Of Funds | Previously Reported | This Quarter Outlays | Total Cumulative To Date |
|---|---|---|---|
| **EECBG Activity Outlays** | | | |
| **Recipient** | | | |
| **Administrative** | $0.00 | $0.00 | $0.00 |
| **Direct Activity** | $1,011,737.85 | $0.00 | $1,011,737.85 |
| **Vendor**<br>Organization: Aldan Electric Supply of Lake County, Inc. (Contract#: 20111473) | $4,587.00 | $0.00 | $4,587.00 |
| **Total:** | **$1,016,324.85** | **$0.00** | **$1,016,324.85** |
| **Sub Recipient - Chinchor Electric, Inc ( Contract#: 20121266)** | | | |
| **Direct Activity** | $0.00 | $225,809.61 | $225,809.61 |
| | Retrofit of common area lighting in multiple county facilities | | |
| **Total:** | **$0.00** | **$225,809.61** | **$225,809.61** |
| **Sub Recipient - Hill York Service Corporation ( Contract#: 20120999)** | | | |
| **Direct Activity** | $75,573.70 | $0.00 | $75,573.70 |
| **Total:** | **$75,573.70** | **$0.00** | **$75,573.70** |
| **Sub Recipient - Kornhaus Electric ( Contract#: 20120997 Lighting)** | | | |
| **Direct Activity** | $61,423.73 | $0.00 | $61,423.73 |
| **Total:** | **$61,423.73** | **$0.00** | **$61,423.73** |
| **Sub Recipient - Kornhaus Electric ( Contract#: 20120998)** | | | |
| **Direct Activity** | $42,620.55 | $0.00 | $42,620.55 |
| **Total:** | **$42,620.55** | **$0.00** | **$42,620.55** |
| **Sub Recipient - Nash, Inc. ( Contract#: 20121338)** | | | |
| **Direct Activity** | $0.00 | $10,950.00 | $10,950.00 |
| | flow meter replacement at public defender's office | | |
| **Total:** | **$0.00** | **$10,950.00** | **$10,950.00** |
| **Sub Recipient - Professional Roof Systems Inc. ( Contract#: 20121331)** | | | |
| **Direct Activity** | $22,500.00 | $22,500.00 | $45,000.00 |
| **Total:** | **$22,500.00** | **$22,500.00** | **$45,000.00** |
| **Sub Recipient - TLC Engineering for Architecture ( Contract#: 20111356)** | | | |
| **Direct Activity** | $2,960.00 | $0.00 | $2,960.00 |
| **Total:** | **$2,960.00** | **$0.00** | **$2,960.00** |
| **Sub Recipient - TLC Engineering for Architecture ( Contract#: 20120696)** | | | |

OMB Control No: 1910-5150
Expiration Date: 12/31/2013

U.S. Department of Energy

# ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG) QUARTERLY PERFORMANCE REPORT

Grant Number: EE0000786 Grantee Name: Lake, County of
Reporting Period: 10/01/2012 - 12/31/2012 Report Status: Approved Grant Complete and ready for Close out: [X]

Activity Title: Incentive Funds - continued -
Activity: 4. Financial Incentive Program

## REQUIRED METRICS

### Financial Metrics

| Use Of Funds | Previously Reported | This Quarter Outlays | Total Cumulative To Date |
|---|---|---|---|
| **EECBG Activity Outlays** | | | |
| **Sub Recipient - TLC Engineering for Architecture ( Contract#: 20120696)** | | | |
| **Direct Activity** | $4,800.00 | $0.00 | $4,800.00 |
| **Total:** | **$4,800.00** | **$0.00** | **$4,800.00** |
| **Sub Recipient - TLC Engineering for Architecture ( Contract#: 20120840)** | | | |
| **Direct Activity** | $7,854.00 | $3,366.00 | $11,220.00 |
| **Total:** | **$7,854.00** | **$3,366.00** | **$11,220.00** |
| **Sub Recipient - TLC Engineering for Architecture ( Contract#: 20120906)** | | | |
| **Direct Activity** | $2,600.00 | $0.00 | $2,600.00 |
| **Total:** | **$2,600.00** | **$0.00** | **$2,600.00** |
| **Total Outlays:** | **$1,236,656.83** | **$262,625.61** | **$1,499,282.44** |

### Process Metrics

| Metric Description | Group | Metric Item | Previously Reported | This Quarter | Cumulative To Date |
|---|---|---|---|---|---|
| **Building Retrofits** | | | | | |
| Buildings retrofitted, by sector | Sectors: Public; | Buildings retrofitted (count) | 27 | 3 | 30 |
| Buildings retrofitted, by sector | Sectors: Public; | Square footage retrofitted (sq.ft.) | 254,255 | 0 | 254,255 |
| **Financial Incentives and Rebates** | | | | | |
| Financial incentives provided, by incentive type and sector | Sectors: Commercial; Incentive Types: Rebates; | Monetary value of financial incentives ($) | $14,870 | $0 | $14,870 |
| Financial incentives provided, by incentive type and sector | Sectors: Commercial; Incentive Types: Rebates; | Total value of investments incentivized ($) | $0 | $0 | $0 |
| Financial incentives provided, by incentive type and sector | Sectors: Residential; Incentive Types: Rebates; | Monetary value of financial incentives ($) | $960,886 | $0 | $960,886 |

OMB Control No: 1910-5150
Expiration Date: 12/31/2013

U.S. Department of Energy

# ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG) QUARTERLY PERFORMANCE REPORT

Grant Number: EE0000786 Grantee Name: Lake, County of
Reporting Period: 10/01/2012 - 12/31/2012 Report Status: Approved Grant Complete and ready for Close out: [X]

Activity Title: Incentive Funds - continued -
Activity: 4. Financial Incentive Program

## REQUIRED METRICS

### Process Metrics

| Metric Description | Group | Metric Item | Previously Reported | This Quarter | Cumulative To Date |
|---|---|---|---|---|---|
| **Financial Incentives and Rebates** | | | | | |
| Financial incentives provided, by incentive type and sector | Sectors: Residential; Incentive Types: Rebates; | Total value of investments incentivized ($) | $0 | $0 | $0 |

## QUALITATIVE DESCRIPTIONS

**Infrastructure Investment Rationale** [ ] **Is Infrastructure Investment**

**What we planned to accomplish this period**

**Are you following the Plan? If not, describe the change in approach, and reasons for the change.**

**Major Activities, Significant Results, Major Findings, and Key Outcomes**

Completed lighting retrofits and flow meter replacement

**Actual or Anticipated Problems or Delays and Corrective Action Plan**

**Products Produced or Technology Transfer Activities Accomplished During the Reporting Period**

**Lessons Learned**

**What we expect to accomplish during the next period**

**Remarks**

OMB Control No: 1910-5150
Expiration Date: 12/31/2013

U.S. Department of Energy

# ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG) QUARTERLY PERFORMANCE REPORT

Grant Number: EE0000786 Grantee Name: Lake, County of
Reporting Period: 10/01/2012 - 12/31/2012 Report Status: Approved Grant Complete and ready for Close out: [X]

Activity Title: Energy Efficiency & Conservation Strategy (1.0)
Activity: 1. Energy Efficiency and Conservation Strategy

| | | | |
|---|---|---|---|
| Activity Status: | Completed | % of Work Complete: | 100 |
| Planned Start Date: | 07/27/2009 | Planned End Date: | 11/22/2009 |
| Actual Start Date: | 07/27/2009 | Actual End Date: | 05/18/2010 |
| Proposed Activity Budget: | $92,790.00 | Planned Outlays For this Period: | $0.00 |

Description:

Lake County intends to retain a consultant to prepare the EECS.

## ACTIVITY MILESTONES

| Planned Start | Planned Completion | Planned Amount | Actual Start | Actual Completion | Previously Reported | Actual Amount This Qtr | Actual Amount Cumulative To Date | Status |
|---|---|---|---|---|---|---|---|---|

## REQUIRED METRICS

### Financial Metrics

| Use Of Funds | Previously Reported | This Quarter Outlays | Total Cumulative To Date |
|---|---|---|---|
| **EECBG Activity Outlays** | | | |
| **Recipient** | | | |
| **Administrative** | $7,530.12 | $0.00 | $7,530.12 |
| **Direct Activity** | $5,379.77 | $0.00 | $5,379.77 |
| **Total:** | **$12,909.89** | **$0.00** | **$12,909.89** |
| **Sub Recipient - The Cadmus Group** | | | |
| **Direct Activity** | $79,880.00 | $0.00 | $79,880.00 |
| **Total:** | **$79,880.00** | **$0.00** | **$79,880.00** |
| **Sub Recipient - The Cadmus Group ( Contract#: 09-0219)** | | | |
| | $0.00 | $0.00 | $0.00 |
| **Total:** | **$0.00** | **$0.00** | **$0.00** |
| **Total Outlays:** | **$92,789.89** | **$0.00** | **$92,789.89** |

### Process Metrics

| Metric Description | Group | Metric Item | Previously Reported | This Quarter | Cumulative To Date |
|---|---|---|---|---|---|

OMB Control No: 1910-5150
Expiration Date: 12/31/2013

U.S. Department of Energy

# ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG) QUARTERLY PERFORMANCE REPORT

Grant Number: EE0000786 Grantee Name: Lake, County of
Reporting Period: 10/01/2012 - 12/31/2012 Report Status: Approved Grant Complete and ready for Close out: [X]

Activity Title: Energy Efficiency & Conservation Strategy (1.0) - continued -
Activity: 1. Energy Efficiency and Conservation Strategy

## REQUIRED METRICS

### Process Metrics

| Metric Description | Group | Metric Item | Previously Reported | This Quarter | Cumulative To Date |
|---|---|---|---|---|---|
| **Other** | | | | | |
| Other | Other: Other (EECS) | Value (count) | 1.0000 | | 1.0000 |

## QUALITATIVE DESCRIPTIONS

**Infrastructure Investment Rationale** [ ] **Is Infrastructure Investment**

**What we planned to accomplish this period**

**Are you following the Plan? If not, describe the change in approach, and reasons for the change.**

**Major Activities, Significant Results, Major Findings, and Key Outcomes**

**Actual or Anticipated Problems or Delays and Corrective Action Plan**

**Products Produced or Technology Transfer Activities Accomplished During the Reporting Period**

**Lessons Learned**

**What we expect to accomplish during the next period**

**Remarks**

OMB Control No: 1910-5150
Expiration Date: 12/31/2013

U.S. Department of Energy

# ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG) QUARTERLY PERFORMANCE REPORT

Grant Number: EE0000786 Grantee Name: Lake, County of
Reporting Period: 10/01/2012 - 12/31/2012 Report Status: Approved Grant Complete and ready for Close out: [X]

Activity Title: Benchmarking, Education, and Outreach (3.6)
Activity: 6. Buildings and Facilities

| | | | |
|---|---|---|---|
| Activity Status: | Completed | % of Work Complete: | 100 |
| Planned Start Date: | 05/19/2010 | Planned End Date: | 07/26/2012 |
| Actual Start Date: | 05/19/2010 | Actual End Date: | 12/17/2012 |
| Proposed Activity Budget: | $555,481.13 | Planned Outlays For this Period: | $0.00 |

Description:

In addition to the projects identified below, administration related to the implementation of the EECBG Activities (with the exception of the EECS) is included under this activity. The following provides additional detail to each of this activity's proposed projects.PROJECT TITLE: Energy Performance Benchmarking and Associated Public Education and Outreach CampaignLake County proposes to establish a program for benchmarking the energy performance of County buildings and executing two pilot energy audits and retrofits to promote energy efficiency to the community. This EECBG activity will include: Hiring temporary workers to benchmark the energy performance of all municipal buildings greater than 5,000 square feet in EPA's Portfolio Manager; create a GHG inventory for Lake County as well as a monitoring and tracking management system; hire a contractor to complete energy audits on one home and one small business and then complete an energy efficiency retrofit on each . These efforts and resulting energy savings will be publicized during the education and outreach campaign and will also be used to form an inter-jurisictioanl task force to help facilitate information sharing. ROJECT TITLE: Adult Education and Training - Lake-Sumter Community College Lake County proposes to implement an Adult Education and Training project to ensure that the current workforce is prepared for green-collar jobs related to energy efficiency and clean energy. This EECBG activity has three parts: develop course curricula; subsidize tuition; and assist with job placement. PROJECT TITLE: Adult Education and Training - Lake TechThe first part of this project is the development of curriculum and instructional staff to offer certification classes to construction professionals in the areas of installation and maintenance of photovoltaic and solar energy systems. The funds requested will be used for instructor salaries, student training materials, and "train the trainer" activities. If available, additional funds will enable Lake Tech to offer the classes tuition-free to local industry. The second part is to reopen the HVAC program at Lake Tech with a curriculum focused on energy efficiency. The funds would pay for the instructional cost to upgrade the curriculum and to replace outdated equipment for student use when thPROJECT TITLE: Design and Operation of Energy Efficiency ProgramsLake County proposes to hire a consultant to prepare a detailed program guide for projects that will maximize the impact of the County's EECS. Specifically, this activity will help develop the programmatic content for: Part A-The residential and small commercial rebate program; Part B-the quality inspection program; Part C-the performance contract plus program; and Part D-Lake County's revolving loan opportunity fund.PROJECT TITLE: Participation and Efficiency StudyLake County proposes to hire a consulting firm to conduct a study to identify the most effective methods for increasing participation in energy efficiency programs and maximizing the energy saved through County programs.

## ACTIVITY MILESTONES

| Planned Start | Planned Completion | Planned Amount | Actual Start | Actual Completion | Previously Reported | Actual Amount This Qtr | Actual Amount Cumulative To Date | Status |
|---|---|---|---|---|---|---|---|---|
| Complete benchmarking of existing building data (over 5,000 sf) in Portfolio Manager | | | | | | | | |
| 05/19/2010 | 12/30/2010 | 18,853 | 05/19/2010 | 12/15/2010 | 0 | 0 | 0 | Ahead |
| Design & Operation of Energy Efficiency Programs | | | | | | | | |
| 05/19/2010 | 01/17/2011 | 33,200 | 05/19/2010 | 06/17/2011 | 132,800 | 0 | 132,800 | Delayed |

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Expiration Date: 12/31/2013

U.S. Department of Energy

# ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG) QUARTERLY PERFORMANCE REPORT

Grant Number: EE0000786 Grantee Name: Lake, County of
Reporting Period: 10/01/2012 - 12/31/2012 Report Status: Approved Grant Complete and ready for Close out: [X]

Activity Title: Benchmarking, Education, and Outreach (3.6) - continued -
Activity: 6. Buildings and Facilities

## ACTIVITY MILESTONES

| Planned Start | Planned Completion | Planned Amount | Actual Start | Actual Completion | Previously Reported | Actual Amount This Qtr | Actual Amount Cumulative To Date | Status |
|---|---|---|---|---|---|---|---|---|
| Approved agreements between Lake County and Lake Sumter Community College and Lake Technical Center for funding for educational programs | | | | | | | | |
| 05/19/2010 | 09/15/2010 | 186,727 | 05/19/2010 | 09/07/2010 | 186,727 | 0 | 186,727 | Ahead |
| Public Education & Outreach (marketing campaign preparation) | | | | | | | | |
| 11/15/2010 | 06/30/2011 | 89,972 | 11/19/2010 | 07/05/2011 | 0 | 0 | 0 | Delayed |
| Participation and Efficiency Study | | | | | | | | |
| 05/19/2010 | 01/15/2011 | 31,600 | 05/19/2010 | 03/09/2011 | 31,600 | 0 | 31,600 | Delayed |
| Home and Small Commercial Retrofit Pilot Program | | | | | | | | |
| 09/01/2010 | 04/30/2011 | 9,000 | 09/01/2010 | 06/28/2011 | 0 | 0 | 0 | Delayed |

## REQUIRED METRICS

### Financial Metrics

| Use Of Funds | Previously Reported | This Quarter Outlays | Total Cumulative To Date |
|---|---|---|---|
| **EECBG Activity Outlays** | | | |
| **Recipient** | | | |
| **Administrative** | $160,814.59 | $12,490.37 | $173,304.96 |
| **Direct Activity** | $8,344.06 | $0.00 | $8,344.06 |
| **Total:** | **$169,158.65** | **$12,490.37** | **$181,649.02** |
| **Sub Recipient - Carbon Solutions America, LLC ( Contract#: PO 20110999)** | | | |
| **Direct Activity** | $76,896.11 | $0.00 | $76,896.11 |
| **Total:** | **$76,896.11** | **$0.00** | **$76,896.11** |
| **Sub Recipient - Lake Sumter Community College** | | | |
| **Direct Activity** | $93,360.00 | $0.00 | $93,360.00 |
| **Total:** | **$93,360.00** | **$0.00** | **$93,360.00** |
| **Sub Recipient - Lake Technical Center, Inc.** | | | |
| **Direct Activity** | $93,367.00 | $0.00 | $93,367.00 |

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Expiration Date: 12/31/2013

U.S. Department of Energy

# ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG) QUARTERLY PERFORMANCE REPORT

Grant Number: EE0000786 Grantee Name: Lake, County of
Reporting Period: 10/01/2012 - 12/31/2012 Report Status: Approved Grant Complete and ready for Close out: [X]

Activity Title: Benchmarking, Education, and Outreach (3.6) - continued -
Activity: 6. Buildings and Facilities

## REQUIRED METRICS

### Financial Metrics

| Use Of Funds | Previously Reported | This Quarter Outlays | Total Cumulative To Date |
|---|---|---|---|
| **EECBG Activity Outlays** | | | |
| **Total:** | **$93,367.00** | **$0.00** | **$93,367.00** |
| **Sub Recipient - Mark Cook Builders, Inc. ( Contract#: 20111191/20111192)** | | | |
| **Direct Activity** | $8,479.00 | $0.00 | $8,479.00 |
| **Total:** | **$8,479.00** | **$0.00** | **$8,479.00** |
| **Sub Recipient - Reynolds Smith & Hills, Inc. ( Contract#: 20110601)** | | | |
| **Direct Activity** | $64,800.00 | $0.00 | $64,800.00 |
| **Total:** | **$64,800.00** | **$0.00** | **$64,800.00** |
| **Sub Recipient - Shaw Environmental ( Contract#: PO 20110758)** | | | |
| **Direct Activity** | $36,930.00 | $0.00 | $36,930.00 |
| **Total:** | **$36,930.00** | **$0.00** | **$36,930.00** |
| **Total Outlays:** | **$542,990.76** | **$12,490.37** | **$555,481.13** |

### Process Metrics

| Metric Description | Group | Metric Item | Previously Reported | This Quarter | Cumulative To Date |
|---|---|---|---|---|---|
| **Building Energy Audits** | | | | | |
| Building energy audits, by sector | Sectors: Commercial; | Audits performed (count) | 1 | 0 | 1 |
| Building energy audits, by sector | Sectors: Commercial; | Floor space audited (sq.ft.) | 786 | 0 | 786 |
| Building energy audits, by sector | Sectors: Commercial; | Auditor's projection of energy savings (kWH) | 0 | 0 | 0 |
| Building energy audits, by sector | Sectors: Residential; | Audits performed (count) | 1 | | 1 |
| Building energy audits, by sector | Sectors: Residential; | Floor space audited (sq.ft.) | 576 | | 576 |
| Building energy audits, by sector | Sectors: Residential; | Auditor's projection of energy savings (kWH) | 0 | | 0 |
| **Workshops, Training, and Education** | | | | | |
| Workshops, training, and education sessions, by sector | Sectors: Other; | Number of workshops, training, and education sessions held (count) | 18 | 1 | 19 |

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U.S. Department of Energy

# ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG) QUARTERLY PERFORMANCE REPORT

Grant Number: EE0000786 Grantee Name: Lake, County of
Reporting Period: 10/01/2012 - 12/31/2012 Report Status: Approved Grant Complete and ready for Close out: [X]

Activity Title: Benchmarking, Education, and Outreach (3.6) - continued -
Activity: 6. Buildings and Facilities

## REQUIRED METRICS

### Process Metrics

| Metric Description | Group | Metric Item | Previously Reported | This Quarter | Cumulative To Date |
|---|---|---|---|---|---|
| **Workshops, Training, and Education** | | | | | |
| Workshops, training, and education sessions, by sector | Sectors: Other; | Number of people attending (count) | 238 | 14 | 252 |

## QUALITATIVE DESCRIPTIONS

**Infrastructure Investment Rationale** [ ] **Is Infrastructure Investment**

**What we planned to accomplish this period**

**Are you following the Plan? If not, describe the change in approach, and reasons for the change.**

**Major Activities, Significant Results, Major Findings, and Key Outcomes**

Lake Tech offered their last training course.

**Actual or Anticipated Problems or Delays and Corrective Action Plan**

**Products Produced or Technology Transfer Activities Accomplished During the Reporting Period**

**Lessons Learned**

**What we expect to accomplish during the next period**

**Remarks**

Grant administration is complete and ready for close out.

OMB Control No: 1910-5150
Expiration Date: 12/31/2013

U.S. Department of Energy

# ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG) QUARTERLY PERFORMANCE REPORT

Grant Number: EE0000786 Grantee Name: Lake, County of
Reporting Period: 10/01/2012 - 12/31/2012 Report Status: Approved Grant Complete and ready for Close out: [X]

Activity Title: Quality Inspection, Measurement, and Building Codes (4.6)
Activity: 6. Buildings and Facilities

| | | | |
|---|---|---|---|
| Activity Status: | Completed | % of Work Complete: | 100 |
| Planned Start Date: | 05/19/2010 | Planned End Date: | 07/26/2012 |
| Actual Start Date: | 05/19/2010 | Actual End Date: | |
| Proposed Activity Budget: | $38,126.18 | Planned Outlays For this Period: | $0.00 |

Description:

This activity has 3 main projects, the EECBG funding amounts for which are summarized below: PROJECT TITLE: Quality InspectionLake County proposes to create an inspection program to ensure that the energy efficiency upgrades partially financed through the rebate program under eligible activity #4 are properly installed so that the expected savings can be fully realized. The quality inspections will occur throughout the rebate program's performance period on a representative sample of building upgrade projects. PROJECT TITLE: Measurement and VerificationLake County proposes to complete a study toward the end of the 36-month performance period to measure and verify the outcomes of the energy efficiency programs implemented with EECBG funds. PROJECT TITLE: Building CodesLake County seeks to identify barriers and roadblocks to energy efficiency upgrades by examining and revising County building codes and permitting procedures. This EECBG activity has three parts:1. Frame a path to International Energy Conservation Code (IECC) 2009 compliance and set up a program to meet IECC requirements.2. Train County officials, architects, and builders on the updated building codes.3. Evaluate the current building permitting process to identify bottlenecks, reduce/eliminate permitting fees, and simplify permitting paperwork to encourage energy efficiency projects.

## ACTIVITY MILESTONES

| Planned Start | Planned Completion | Planned Amount | Actual Start | Actual Completion | Previously Reported | Actual Amount This Qtr | Actual Amount Cumulative To Date | Status |
|---|---|---|---|---|---|---|---|---|
| evaluate permitting process | | | | | | | | |
| 05/19/2010 | 12/30/2011 | 9,000 | 05/19/2010 | 10/15/2010 | 0 | 0 | 0 | Ahead |
| Identifiy codes to be revised for compliance with IECC 2009 | | | | | | | | |
| 05/19/2010 | 12/31/2011 | 9,000 | 04/02/2009 | 10/15/2010 | 0 | 0 | 0 | Ahead |
| Train Staff, Architects, Builders | | | | | | | | |
| 05/19/2010 | 05/30/2011 | 9,000 | 05/19/2010 | 06/27/2012 | 0 | 0 | 0 | Delayed |
| first quality inpsection completed | | | | | | | | |
| 07/01/2011 | 08/30/2011 | 0 | 11/16/2011 | 11/22/2011 | 0 | 0 | 0 | Delayed |

## REQUIRED METRICS

### Financial Metrics

OMB Control No: 1910-5150
Expiration Date: 12/31/2013

U.S. Department of Energy

# ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG) QUARTERLY PERFORMANCE REPORT

Grant Number: EE0000786 Grantee Name: Lake, County of
Reporting Period: 10/01/2012 - 12/31/2012 Report Status: Approved Grant Complete and ready for Close out: [X]

Activity Title: Quality Inspection, Measurement, and Building Codes (4.6) - continued -
Activity: 6. Buildings and Facilities

## REQUIRED METRICS

### Financial Metrics

| Use Of Funds | Previously Reported | This Quarter Outlays | Total Cumulative To Date |
|---|---|---|---|
| **EECBG Activity Outlays** | | | |
| **Recipient** | | | |
| **Direct Activity** | $5,741.18 | $0.00 | $5,741.18 |
| **Total:** | **$5,741.18** | **$0.00** | **$5,741.18** |
| **Sub Recipient - Universal Engineering Sciences, Inc. ( Contract#: 20120579)** | | | |
| **Direct Activity** | $32,385.00 | $0.00 | $32,385.00 |
| **Total:** | **$32,385.00** | **$0.00** | **$32,385.00** |
| **Total Outlays:** | **$38,126.18** | **$0.00** | **$38,126.18** |

### Process Metrics

| Metric Description | Group | Metric Item | Previously Reported | This Quarter | Cumulative To Date |
|---|---|---|---|---|---|
| **Building Codes and Standards** | | | | | |
| Building code adoption | Old Building Code: N/A; New Building Code: IECC 2009; | New and existing buildings covered by new code (count) | 1 | 0 | 1 |
| **Clean Energy Policy** | | | | | |
| Energy efficiency standards established or improved | | Standards established (count) | 0 | 0 | 0 |
| Energy efficiency standards established or improved | | Standards improved (count) | 1 | 0 | 1 |

## QUALITATIVE DESCRIPTIONS

| Infrastructure Investment Rationale | [ ] Is Infrastructure Investment |
|---|---|
| | |

OMB Control No: 1910-5150
Expiration Date: 12/31/2013

U.S. Department of Energy

# ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG) QUARTERLY PERFORMANCE REPORT

Grant Number: EE0000786 Grantee Name: Lake, County of
Reporting Period: 10/01/2012 - 12/31/2012 Report Status: Approved Grant Complete and ready for Close out: [X]

Activity Title: Quality Inspection, Measurement, and Building Codes (4.6) - continued -
Activity: 6. Buildings and Facilities

## QUALITATIVE DESCRIPTIONS

| |
|---|
| **What we planned to accomplish this period** |
| **Are you following the Plan? If not, describe the change in approach, and reasons for the change.** |
| **Major Activities, Significant Results, Major Findings, and Key Outcomes** |
| **Actual or Anticipated Problems or Delays and Corrective Action Plan** |
| **Products Produced or Technology Transfer Activities Accomplished During the Reporting Period** |
| **Lessons Learned** |
| **What we expect to accomplish during the next period** |
| **Remarks** |

OMB Control No: 1910-5150
Expiration Date: 12/31/2013

U.S. Department of Energy

# ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG) QUARTERLY PERFORMANCE REPORT

Grant Number: EE0000786 Grantee Name: Lake, County of
Reporting Period: 10/01/2012 - 12/31/2012 Report Status: Approved Grant Complete and ready for Close out: [X]

Activity Title: Traffic Signal Synchronization and System Improvement (5.4)
Activity: 7. Transportation

| | | | |
|---|---|---|---|
| Activity Status: | Completed | % of Work Complete: | 100 |
| Planned Start Date: | 05/19/2010 | Planned End Date: | 06/01/2012 |
| Actual Start Date: | 05/19/2010 | Actual End Date: | 12/07/2011 |
| Proposed Activity Budget: | $401,970.00 | Planned Outlays For this Period: | $0.00 |

Description:

Lake County proposes to inventory the County-wide traffic signal and street light system and design short- and long-term implementation plans for retrofits and upgrades. Lake County currently maintains 182 traffic signals (75 County-owned, 107 through Interlocal agreements with cities), 52 warning flashers, 19 overhead warning beacons, 84 school flashers, and 30 street lights. Traffic signals will be evaluated for corridor synchronization and updating of existing timing plans . Intelligent Transportation Systems (ITS) will be evaluated for their usefulness to the County and implementation costs. EECBG funds will be used for a consulting engineer to develop policies and a comprehensive plan. Funds will also be utilized for implementation of the plan, including hardware and component installations such as, but not limited to, signal timing, upgraded signal controllers, and upgraded LED street lights. This program falls under EECBG eligible activity #7, Development and Implementation of Transportation Programs. This EECBG activity has the following 5 parts:1. Consultant activity to review the entire County-wide traffic signal and street light system. The consultant will also provide a planning and implementation program for Lake County. This plan will develop the program in stages with time frames based on cost and efficiency. The plan will prioritize which improvements should be performed in the short term and which one should be performed in the long term. The consultant will also provide a plan to track and assess energy savings and reductions in energy use.2. Consultant activity to develop the timing programs, construction plans, and specifications for short-term improvements. 3. Consultant activity to assist in the construction engineering and inspection of all new hardware, systems, and signal synchronization timings put into effect to ensure that they are performing at optimum efficiency as proposed in the developed construction plans. The consultant will make necessary adjustments in the field for the new timing plans.4. Hiring of a contractor for the installation of new hardware, street lights, LED traffic signals, ITS, and other systems as programmed and funded by the plan under this program.5. Case study to tie one of our farthest signals into what is called a closed loop system of ITS.

## ACTIVITY MILESTONES

| Planned Start | Planned Completion | Planned Amount | Actual Start | Actual Completion | Previously Reported | Actual Amount This Qtr | Actual Amount Cumulative To Date | Status |
|---|---|---|---|---|---|---|---|---|
| contract awarded for review of system/strategic plan (task order on existing continuning service contract) | | | | | | | | |
| 05/19/2010 | 07/01/2010 | 0 | 05/19/2010 | 06/15/2010 | 0 | 0 | 0 | Ahead |
| Develop timing programs, construction plans and specs | | | | | | | | |
| 11/02/2010 | 04/01/2011 | 285,100 | 02/22/2011 | | 55,138 | 0 | 55,138 | Delayed |
| Consultant review of system | | | | | | | | |
| 07/26/2010 | 11/01/2010 | 46,535 | 07/26/2010 | 01/18/2011 | 46,536 | 0 | 46,536 | Delayed |

OMB Control No: 1910-5150
Expiration Date: 12/31/2013

U.S. Department of Energy

# ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG) QUARTERLY PERFORMANCE REPORT

Grant Number: EE0000786 Grantee Name: Lake, County of
Reporting Period: 10/01/2012 - 12/31/2012 Report Status: Approved Grant Complete and ready for Close out: [X]

Activity Title: Traffic Signal Synchronization and System Improvement (5.4) - continued -
Activity: 7. Transportation

## REQUIRED METRICS

### Financial Metrics

| Use Of Funds | Previously Reported | This Quarter Outlays | Total Cumulative To Date |
|---|---|---|---|
| **EECBG Activity Outlays** | | | |
| **Recipient** | | | |
| **Direct Activity** | $0.00 | $0.00 | $0.00 |
| **Vendor** Organization: NAZTEC INTERNATIONAL GROUP, LLC (Contract#: 20111412) | $11,750.00 | $0.00 | $11,750.00 |
| **Vendor** Organization: IMC NETWORKS CORP. (Contract#: 20111435) | $597.00 | $0.00 | $597.00 |
| **Vendor** Organization: Anixter, Inc. (Contract#: 20111411) | $2,154.16 | $0.00 | $2,154.16 |
| **Vendor** Organization: TRAFFIC CONTROL DEVICES, INC. (Contract#: 20111408) | $33,333.83 | $0.00 | $33,333.83 |
| **Vendor** Organization: NAZTEC INTERNATIONAL GROUP, LLC (Contract#: 20111397) | $22,500.00 | $0.00 | $22,500.00 |
| **Total:** | **$70,334.99** | **$0.00** | **$70,334.99** |
| **Sub Recipient - Tindale-Oliver & Associates, Inc. ( Contract#: 09-0028)** | | | |
| **Direct Activity** | $46,535.15 | $0.00 | $46,535.15 |
| **Total:** | **$46,535.15** | **$0.00** | **$46,535.15** |
| **Sub Recipient - Tindale-Oliver & Associates, Inc. ( Contract#: 20110938)** | | | |
| **Direct Activity** | $285,100.00 | $0.00 | $285,100.00 |
| **Total:** | **$285,100.00** | **$0.00** | **$285,100.00** |
| **Sub Recipient - Tindale-Oliver & Associates, Inc. ( Contract#: PO 20110938)** | | | |
| | $0.00 | $0.00 | $0.00 |
| **Total:** | **$0.00** | **$0.00** | **$0.00** |
| **Total Outlays:** | **$401,970.14** | **$0.00** | **$401,970.14** |

### Process Metrics

| Metric Description | Group | Metric Item | Previously Reported | This Quarter | Cumulative To Date |
|---|---|---|---|---|---|
| **Transportation** | | | | | |

OMB Control No: 1910-5150
Expiration Date: 12/31/2013

U.S. Department of Energy

# ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG) QUARTERLY PERFORMANCE REPORT

Grant Number: EE0000786 Grantee Name: Lake, County of
Reporting Period: 10/01/2012 - 12/31/2012 Report Status: Approved Grant Complete and ready for Close out: [X]

Activity Title: Traffic Signal Synchronization and System Improvement (5.4) - continued -
Activity: 7. Transportation

## REQUIRED METRICS

### Process Metrics

| Metric Description | Group | Metric Item | Previously Reported | This Quarter | Cumulative To Date |
|---|---|---|---|---|---|
| **Transportation** | | | | | |
| Street lane-miles for which synchronized traffic signals were installed | | Street lane-miles installed (lane-miles) | 17 | | 17 |

## QUALITATIVE DESCRIPTIONS

**Infrastructure Investment Rationale** [ ] **Is Infrastructure Investment**

**What we planned to accomplish this period**

**Are you following the Plan? If not, describe the change in approach, and reasons for the change.**

**Major Activities, Significant Results, Major Findings, and Key Outcomes**

**Actual or Anticipated Problems or Delays and Corrective Action Plan**

**Products Produced or Technology Transfer Activities Accomplished During the Reporting Period**

**Lessons Learned**

**What we expect to accomplish during the next period**

**Remarks**

OMB Control No: 1910-5150
Expiration Date: 12/31/2013

U.S. Department of Energy

# ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG) QUARTERLY PERFORMANCE REPORT

Grant Number: EE0000786 Grantee Name: Lake, County of
Reporting Period: 10/01/2012 - 12/31/2012 Report Status: Approved Grant Complete and ready for Close out: [X]

Activity Title: Expansion of County Recycling Program (6.4)
Activity: 10. Material Conservation Program

| | | | |
|---|---|---|---|
| Activity Status: | Completed | % of Work Complete: | 100 |
| Planned Start Date: | 05/19/2010 | Planned End Date: | 07/26/2012 |
| Actual Start Date: | 05/19/2010 | Actual End Date: | 11/10/2011 |
| Proposed Activity Budget: | $43,373.00 | Planned Outlays For this Period: | $0.00 |

Description:

Lake County recognizes the significant environmental impact that occurs when waste is disposed of in a landfill. To reduce the amount of waste placed in landfills, Lake County proposes to expand and enhance its County Recycling Program by conducting a waste stream audit, identifying areas for improvement, and evaluating additional waste-related regulations. These efforts fall under eligible activity #10, Material Conservation Program. This program has three parts:First, Lake County will perform a recycling study on a representative sample of County facilities. These audits will be done using standard practices detailed in Materials & Resources Credit 6 under the U.S. Green Building Council's (USGBC) Leadership in Energy and Environmental Design for Existing Buildings: Operations & Maintenance (LEED-EB:O&M) Rating System. The study will identify which materials are being put in landfills and which materials are being diverted.Second, the County will analyze the results of the study and identify areas for improvement. As a recycling program is already in place, the study will allow Lake County to see its unrealized opportunities. For example, if a significant amount of glass is put in the landfill, Lake County will emphasize recycling glass and re-using dishware to reduce the amount of glass being disposed of. The County will promote its recycling program and facilitate participation by providing recycling bins and containers that are well-marked and easily accessible, as well as by placing signage in facilities promoting the recycling program to occupants and visitors. The County will also encourage occupants to decrease waste by reducing and reusing materials where appropriate. Additionally, the current styrofoam recycling program will be expanded.Third, Lake County will consider expanding its recycling efforts to the community by investigating opportunities to regulate particularly environmentally stressful bulk waste, such as styrofoam. Lake County will investigate local recycling companies and find alternate solutions for companies that wish to dispose of waste in bulk. This solution will prove fiscally advantageous to both the disposer and the recycler.

## ACTIVITY MILESTONES

| Planned Start | Planned Completion | Planned Amount | Actual Start | Actual Completion | Previously Reported | Actual Amount This Qtr | Actual Amount Cumulative To Date | Status |
|---|---|---|---|---|---|---|---|---|
| Analysis of expansion opportunities and complete waste stream audit | | | | | | | | |
| 05/19/2010 | 06/01/2011 | 3,868 | 05/19/2010 | 11/10/2011 | 0 | 0 | 0 | Delayed |

## REQUIRED METRICS

### Financial Metrics

| Use Of Funds | Previously Reported | This Quarter Outlays | Total Cumulative To Date |
|---|---|---|---|
| EECBG Activity Outlays | | | |

OMB Control No: 1910-5150
Expiration Date: 12/31/2013

U.S. Department of Energy

# ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG) QUARTERLY PERFORMANCE REPORT

Grant Number: EE0000786 Grantee Name: Lake, County of
Reporting Period: 10/01/2012 - 12/31/2012 Report Status: Approved Grant Complete and ready for Close out: [X]

Activity Title: Expansion of County Recycling Program (6.4) - continued -
Activity: 10. Material Conservation Program

## REQUIRED METRICS

### Financial Metrics

| Use Of Funds | Previously Reported | This Quarter Outlays | Total Cumulative To Date |
|---|---|---|---|
| **EECBG Activity Outlays** | | | |
| **Recipient** | | | |
| **Direct Activity** | $4,918.29 | $0.00 | $4,918.29 |
| **Total:** | **$4,918.29** | **$0.00** | **$4,918.29** |
| **Sub Recipient - Camp Dresser & McKee Inc. ( Contract#: 20111149)** | | | |
| **Direct Activity** | $33,620.00 | $0.00 | $33,620.00 |
| **Total:** | **$33,620.00** | **$0.00** | **$33,620.00** |
| **Sub Recipient - MDT Personnel LLC ( Contract#: 20111229)** | | | |
| **Direct Activity** | $4,834.50 | $0.00 | $4,834.50 |
| **Total:** | **$4,834.50** | **$0.00** | **$4,834.50** |
| **Total Outlays:** | **$43,372.79** | **$0.00** | **$43,372.79** |

### Process Metrics

| Metric Description | Group | Metric Item | Previously Reported | This Quarter | Cumulative To Date |
|---|---|---|---|---|---|
| **Clean Energy Policy** | | | | | |
| Alternative energy plans developed or improved | | Plans developed (count) | 1 | | 1 |
| Alternative energy plans developed or improved | | Plans improved (count) | 0 | | 0 |

## QUALITATIVE DESCRIPTIONS

**Infrastructure Investment Rationale** ☐ **Is Infrastructure Investment**

**What we planned to accomplish this period**

OMB Control No: 1910-5150
Expiration Date: 12/31/2013

U.S. Department of Energy

# ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)
# QUARTERLY PERFORMANCE REPORT

Grant Number: EE0000786 Grantee Name: Lake, County of
Reporting Period: 10/01/2012 - 12/31/2012 Report Status: Approved Grant Complete and ready for Close out: [X]

Activity Title: Expansion of County Recycling Program (6.4) - continued -
Activity: 10. Material Conservation Program

## QUALITATIVE DESCRIPTIONS

| |
|---|
| **Are you following the Plan? If not, describe the change in approach, and reasons for the change.** |
| **Major Activities, Significant Results, Major Findings, and Key Outcomes** |
| **Actual or Anticipated Problems or Delays and Corrective Action Plan** |
| **Products Produced or Technology Transfer Activities Accomplished During the Reporting Period** |
| **Lessons Learned** |
| **What we expect to accomplish during the next period** |
| **Remarks** |

OMB Control No: 1910-5150
Expiration Date: 12/31/2013

U.S. Department of Energy

# ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG) QUARTERLY PERFORMANCE REPORT

Grant Number: EE0000786 Grantee Name: Lake, County of
Reporting Period: 10/01/2012 - 12/31/2012 Report Status: Approved Grant Complete and ready for Close out: [X]

Activity Title: Greenhouse Gas Reduction Program (7.4)
Activity: 11. Reduction/Capture of Methane/Greenhouse Gases

| | | | |
|---|---|---|---|
| Activity Status: | Completed | % of Work Complete: | 100 |
| Planned Start Date: | 05/19/2010 | Planned End Date: | 07/26/2012 |
| Actual Start Date: | 05/19/2010 | Actual End Date: | 11/16/2011 |
| Proposed Activity Budget: | $41,929.00 | Planned Outlays For this Period: | $0.00 |

Description:

Landfill Gas (LFG) Feasibility Study: Lake County will conduct feasibility studies on selected County landfills to assess the available capacity for the capture of methane. The feasibility studies will evaluate the potential landfill gas (LFG) flow created from each landfill, the options for achieving reductions in GHG emissions, and the use of the intrinsic heat content of LFG to realize additional revenue streams. During these feasibility studies, a high-level comparative analysis of the characteristics of the County's other landfills will be performed to confirm that no LFG potential recovery potential exists there.

## ACTIVITY MILESTONES

| Planned Start | Planned Completion | Planned Amount | Actual Start | Actual Completion | Previously Reported | Actual Amount This Qtr | Actual Amount Cumulative To Date | Status |
|---|---|---|---|---|---|---|---|---|
| Contract awarded | | | | | | | | |
| 05/19/2010 | 01/01/2011 | 0 | 05/19/2010 | 12/15/2010 | 0 | 0 | 0 | Ahead |

## REQUIRED METRICS

### Financial Metrics

| Use Of Funds | Previously Reported | This Quarter Outlays | Total Cumulative To Date |
|---|---|---|---|
| **EECBG Activity Outlays** | | | |
| **Recipient** | | | |
| **Direct Activity** | $698.09 | $0.00 | $698.09 |
| **Total:** | **$698.09** | **$0.00** | **$698.09** |
| **Sub Recipient - Shaw Environmental ( Contract#: PO 20110701)** | | | |
| **Direct Activity** | $41,230.67 | $0.00 | $41,230.67 |
| **Total:** | **$41,230.67** | **$0.00** | **$41,230.67** |
| **Total Outlays:** | **$41,928.76** | **$0.00** | **$41,928.76** |

### Process Metrics

OMB Control No: 1910-5150
Expiration Date: 12/31/2013

U.S. Department of Energy

# ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG) QUARTERLY PERFORMANCE REPORT

Grant Number: EE0000786 Grantee Name: Lake, County of
Reporting Period: 10/01/2012 - 12/31/2012 Report Status: Approved Grant Complete and ready for Close out: [X]

Activity Title: Greenhouse Gas Reduction Program (7.4) - continued -
Activity: 11. Reduction/Capture of Methane/Greenhouse Gases

## REQUIRED METRICS

### Process Metrics

| Metric Description | Group | Metric Item | Previously Reported | This Quarter | Cumulative To Date |
|---|---|---|---|---|---|
| **Clean Energy Policy** | | | | | |
| Alternative energy plans developed or improved | | Plans developed (count) | 1 | | 1 |
| Alternative energy plans developed or improved | | Plans improved (count) | 0 | | 0 |

## QUALITATIVE DESCRIPTIONS

**Infrastructure Investment Rationale** [ ] **Is Infrastructure Investment**

**What we planned to accomplish this period**

**Are you following the Plan? If not, describe the change in approach, and reasons for the change.**

**Major Activities, Significant Results, Major Findings, and Key Outcomes**

**Actual or Anticipated Problems or Delays and Corrective Action Plan**

**Products Produced or Technology Transfer Activities Accomplished During the Reporting Period**

**Lessons Learned**

**What we expect to accomplish during the next period**

**Remarks**

OMB Control No: 1910-5150
Expiration Date: 12/31/2013

U.S. Department of Energy

# ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG) QUARTERLY PERFORMANCE REPORT

Grant Number: EE0000786 Grantee Name: Lake, County of
Reporting Period: 10/01/2012 - 12/31/2012 Report Status: Approved Grant Complete and ready for Close out: [X]

Activity Title: Renewable Energy Technologies (8.5)
Activity: 13. Onsite Renewable Technology

| | | | |
|---|---|---|---|
| Activity Status: | Completed | % of Work Complete: | 100 |
| Planned Start Date: | 05/19/2010 | Planned End Date: | 07/26/2010 |
| Actual Start Date: | 05/19/2010 | Actual End Date: | |
| Proposed Activity Budget: | $80,048.67 | Planned Outlays For this Period: | $0.00 |

Description:

Lake County proposes to establish a pilot program to allow the County to take advantage of Florida's focus on renewable energy. This program aligns with eligible activity #13, Renewable Energy Technologies on Government Buildings. This EECBG activity consists of the following three tasks:1. Identification of renewable technology candidates: County facilities will be selected based on high-visibility sites, sites with special educational opportunities, and sites providing public services; these will be given priority because they will have the most public visibility and thus the greatest potential for increasing public awareness and education about energy efficiency and solar renewable energy.2. Install renewable technologies on eligible buildings. 3. Energy savings tracking: Lake County will track and report ongoing results from Portfolio Manager as part of its benchmarking efforts in eligible activity #3.This program results in a number of long-term benefits. The use of renewable energy technology on efficient or upgraded buildings provides sustainable benefits by reducing energy losses and GHG emissions, lowering peak demand on power generation plants, and educating the public on the thorough integration of energy efficiency with renewable energy generation . This activity is expected to create approximately 1 job.

## ACTIVITY MILESTONES

| Planned Start | Planned Completion | Planned Amount | Actual Start | Actual Completion | Previously Reported | Actual Amount This Qtr | Actual Amount Cumulative To Date | Status |
|---|---|---|---|---|---|---|---|---|
| Installation of renewable energy technology complete | | | | | | | | |
| 04/16/2012 | 07/26/2012 | 71,000 | 02/27/2012 | 03/07/2012 | 0 | 0 | 0 | Ahead |
| Select building for pilot program | | | | | | | | |
| 05/19/2010 | 09/15/2010 | 0 | 05/19/2010 | 11/29/2010 | 0 | 0 | 0 | Delayed |
| Plan scope and determine required funding | | | | | | | | |
| 09/16/2010 | 10/15/2010 | 2,850 | 03/09/2011 | 03/31/2011 | 0 | 0 | 0 | Delayed |
| Contract awarded for installation of renewable energy technology | | | | | | | | |
| 12/15/2011 | 04/15/2012 | 0 | 08/03/2011 | 11/15/2011 | 0 | 0 | 0 | Ahead |

## REQUIRED METRICS

### Financial Metrics

OMB Control No: 1910-5150
Expiration Date: 12/31/2013

U.S. Department of Energy

# ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG) QUARTERLY PERFORMANCE REPORT

Grant Number: EE0000786 Grantee Name: Lake, County of
Reporting Period: 10/01/2012 - 12/31/2012 Report Status: Approved Grant Complete and ready for Close out: [X]

Activity Title: Renewable Energy Technologies (8.5) - continued -
Activity: 13. Onsite Renewable Technology

## REQUIRED METRICS

### Financial Metrics

| Use Of Funds | Previously Reported | This Quarter Outlays | Total Cumulative To Date |
|---|---|---|---|
| **EECBG Activity Outlays** | | | |
| **Recipient** | | | |
| **Direct Activity** | $1,063.46 | $0.00 | $1,063.46 |
| **Total:** | **$1,063.46** | **$0.00** | **$1,063.46** |
| **Sub Recipient - Mark Cook Builders, Inc. ( Contract#: 20111467)** | | | |
| **Direct Activity** | $66,075.21 | $0.00 | $66,075.21 |
| **Total:** | **$66,075.21** | **$0.00** | **$66,075.21** |
| **Sub Recipient - TLC Engineering for Architecture ( Contract#: 20111143)** | | | |
| **Direct Activity** | $10,060.00 | $0.00 | $10,060.00 |
| **Total:** | **$10,060.00** | **$0.00** | **$10,060.00** |
| **Sub Recipient - TLC Engineering for Architecture ( Contract#: PO 20110974)** | | | |
| **Direct Activity** | $2,850.00 | $0.00 | $2,850.00 |
| **Total:** | **$2,850.00** | **$0.00** | **$2,850.00** |
| **Total Outlays:** | **$80,048.67** | **$0.00** | **$80,048.67** |

### Process Metrics

| Metric Description | Group | Metric Item | Previously Reported | This Quarter | Cumulative To Date |
|---|---|---|---|---|---|
| **Renewable Energy Market Development** | | | | | |
| Solar energy systems installed | | Number of systems installed (count) | 1 | | 1 |
| Solar energy systems installed | | Total capacity of systems installed (kW) | 14 | | 14 |

## QUALITATIVE DESCRIPTIONS

| Infrastructure Investment Rationale | ☐ Is Infrastructure Investment |
|---|---|
| | |

OMB Control No: 1910-5150
Expiration Date: 12/31/2013

U.S. Department of Energy

# ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG) QUARTERLY PERFORMANCE REPORT

Grant Number: EE0000786 Grantee Name: Lake, County of
Reporting Period: 10/01/2012 - 12/31/2012 Report Status: Approved Grant Complete and ready for Close out: [X]

Activity Title: Renewable Energy Technologies (8.5) - continued -
Activity: 13. Onsite Renewable Technology

## QUALITATIVE DESCRIPTIONS

**What we planned to accomplish this period**

activity complete

**Are you following the Plan? If not, describe the change in approach, and reasons for the change.**

**Major Activities, Significant Results, Major Findings, and Key Outcomes**

**Actual or Anticipated Problems or Delays and Corrective Action Plan**

**Products Produced or Technology Transfer Activities Accomplished During the Reporting Period**

**Lessons Learned**

**What we expect to accomplish during the next period**

**Remarks**

OMB Control No: 1910-5150
Expiration Date: 12/31/2013

U.S. Department of Energy

# ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG) QUARTERLY PERFORMANCE REPORT

Grant Number: EE0000786 Grantee Name: Lake, County of
Reporting Period: 10/01/2012 - 12/31/2012 Report Status: Approved Grant Complete and ready for Close out: [X]

Activity Title: Public Safety Towers LED Lighting Retrofit (9.0)
Activity: 12. Lighting

Activity Status: Completed % of Work Complete: 100
Planned Start Date: Planned End Date:
Actual Start Date: Actual End Date:
Proposed Activity Budget: $54,500.00 Planned Outlays For this Period: $0.00

Description:

Lake County proposes a retrofit of two (2) of their public safety towers: Minneola 250-ft and Buckhill 410-ft. Work will include replacing existing incandescent fixtures with higher efficiency /longer life LED fixtures. Benefits include reduction of tower loading, long term savings in power consumption and reduced maintenance costs.

## ACTIVITY MILESTONES

| Planned Start | Planned Completion | Planned Amount | Actual Start | Actual Completion | Previously Reported | Actual Amount This Qtr | Actual Amount Cumulative To Date | Status |
|---|---|---|---|---|---|---|---|---|

## REQUIRED METRICS

### Financial Metrics

| Use Of Funds | Previously Reported | This Quarter Outlays | Total Cumulative To Date |
|---|---|---|---|
| **EECBG Activity Outlays** | | | |
| **Sub Recipient - Clifton Tower Service ( Contract#: 20121051)** | | | |
| **Direct Activity** | $54,500.00 | $0.00 | $54,500.00 |
| **Total:** | **$54,500.00** | **$0.00** | **$54,500.00** |
| **Total Outlays:** | **$54,500.00** | **$0.00** | **$54,500.00** |

### Process Metrics

| Metric Description | Group | Metric Item | Previously Reported | This Quarter | Cumulative To Date |
|---|---|---|---|---|---|
| **Government, School, Institutional Procurement** | | | | | |
| Units purchased, by type | Purchasables: Energy efficient outdoor area lights; | Units purchased (count) | 17 | | 17 |
| **Other** | | | | | |

OMB Control No: 1910-5150
Expiration Date: 12/31/2013

U.S. Department of Energy

# ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG) QUARTERLY PERFORMANCE REPORT

Grant Number: EE0000786 Grantee Name: Lake, County of
Reporting Period: 10/01/2012 - 12/31/2012 Report Status: Approved Grant Complete and ready for Close out: [X]

Activity Title: Public Safety Towers LED Lighting Retrofit (9.0) - continued -
Activity: 12. Lighting

## REQUIRED METRICS

### Process Metrics

| Metric Description | Group | Metric Item | Previously Reported | This Quarter | Cumulative To Date |
|---|---|---|---|---|---|
| **Other** | | | | | |
| Other | Other: Other (Lighting retrofits of county owned structures) | Value (count) | 2.0000 | | 2.0000 |

## QUALITATIVE DESCRIPTIONS

**Infrastructure Investment Rationale** [ ] **Is Infrastructure Investment**

**What we planned to accomplish this period**

activity complete

**Are you following the Plan? If not, describe the change in approach, and reasons for the change.**

**Major Activities, Significant Results, Major Findings, and Key Outcomes**

**Actual or Anticipated Problems or Delays and Corrective Action Plan**

**Products Produced or Technology Transfer Activities Accomplished During the Reporting Period**

**Lessons Learned**

**What we expect to accomplish during the next period**

**Remarks**

OMB Control No: 1910-5150
Expiration Date: 12/31/2013

U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)**
**QUARTERLY PERFORMANCE REPORT**

Grant Number: EE0000786 Grantee Name: Lake, County of
Reporting Period: 10/01/2012 - 12/31/2012 Report Status: Approved Grant Complete and ready for Close out: [X]

## APPROVAL HISTORY

| Action | Date | By Whom |
|---|---|---|
| Approved | 12/19/2012 02:55:48 pm | Kelsie Hammond<br>7203561643<br>kelsie.hammond@go.doe.gov |
| | **Comments:** | |
| Submitted | 12/19/2012 08:55:33 am | Lori Barnes<br>3523439503<br>lbarnes@lakecountyfl.gov |
| | **Comments:** | |