

## 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: 10/01/2011 - 12/31/2011 Report Status: Approved

Grant Complete and ready for Close out: 

Activity Title: Energy Efficiency &amp; 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 |
|---|---------------------|----------------------|--------------------------|
| <b>EECBG Activity Outlays</b>                                 |                     |                      |                          |
| <b>Recipient</b>  |                     |                      |                          |
| Administrative  | \$7,530.12          | \$0.00               | \$7,530.12               |
| Direct Activity   | \$5,379.77          | \$0.00               | \$5,379.77               |
| <b>Total:</b>   | <b>\$12,909.89</b>  | <b>\$0.00</b>        | <b>\$12,909.89</b>       |
| <b>Sub Recipient - The Cadmus Group</b>                       |                     |                      |                          |
| Direct Activity   | \$79,880.00         | \$0.00               | \$79,880.00              |
| <b>Total:</b>   | <b>\$79,880.00</b>  | <b>\$0.00</b>        | <b>\$79,880.00</b>       |
| <b>Sub Recipient - The Cadmus Group ( Contract#: 09-0219)</b> |                     |                      |                          |
|   | \$0.00              | \$0.00               | \$0.00                   |
| <b>Total:</b>   | <b>\$0.00</b>       | <b>\$0.00</b>        | <b>\$0.00</b>            |
| <b>Total Outlays:</b>   | <b>\$92,789.89</b>  | <b>\$0.00</b>        | <b>\$92,789.89</b>       |

**Process Metrics**

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

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Grant Complete and ready for Close out:

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 |
|--------------------|---------------------|---------------|---------------------|--------------|--------------------|
| <b>Other</b>       |                     |               |                     |              |                    |
| Other              | Other: Other (EECS) | Value (count) | 1.0000              |              | 1.0000             |

**QUALITATIVE DESCRIPTIONS**

|   |  |
|---|--|
| <b>Infrastructure Investment Rationale</b>  | <input type="checkbox"/> <b>Is Infrastructure Investment</b> |
| <hr/>   |  |
| <b>What we planned to accomplish this period</b>  |  |
| <hr/>   |  |
| <b>Are you following the Plan? If not, describe the change in approach, and reasons for the change.</b> |  |
| <hr/>   |  |
| <b>Major Activities, Significant Results, Major Findings, and Key Outcomes</b>                          |  |
| <hr/>   |  |
| <b>Actual or Anticipated Problems or Delays and Corrective Action Plan</b>                              |  |
| <hr/>   |  |
| <b>Products Produced or Technology Transfer Activities Accomplished During the Reporting Period</b>     |  |
| <hr/>   |  |
| <b>Lessons Learned</b>  |  |
| <hr/>   |  |
| <b>What we expect to accomplish during the next period</b>  |  |
| <hr/>   |  |
| <b>Remarks</b>  |  |
| <hr/>   |  |

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

Grant Number: EE0000786      Grantee Name: Lake, County of  
Reporting Period: 10/01/2011 - 12/31/2011      Report Status: Approved      Grant Complete and ready for Close out:

Activity Title: Incentive Funds (2.3)  
Activity: 4. Financial Incentive Program

Activity Status: Active      % of Work Complete: 46  
Planned Start Date: 01/15/2011      Planned End Date: 07/26/2012  
Actual Start Date: 07/05/2011      Actual End Date:  
Proposed Activity Budget: \$1,501,654.00      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 50% of rebate funding                                     |                    |                |              |                   |                     |                        |                                  |        |
| 11/01/2011  | 01/30/2012         | 200,000        | 07/05/2011   | 09/19/2011        | 0                   | 0                      | 0                                | Ahead  |
| 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                                | Ahead  |

**REQUIRED METRICS**

**Financial Metrics**

## 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: 10/01/2011 - 12/31/2011 Report Status: Approved

Grant Complete and ready for Close out: 

Activity Title: Incentive Funds (2.3) - continued -

Activity: 4. Financial Incentive Program

**REQUIRED METRICS****Financial Metrics**

| Use Of Funds  | Previously Reported   | This Quarter Outlays | Total Cumulative To Date |
|---|---|----------------------|--------------------------|
| <b>EECBG Activity Outlays</b>   |   |                      |                          |
| <b>Recipient</b>  |   |                      |                          |
| <b>Administrative</b>   | \$0.00  | \$0.00               | \$0.00                   |
| <b>Direct Activity</b>  | \$413,596.40  | \$273,374.10         | \$686,970.50             |
|   | \$259,0091.21 Rebates; \$14,223.75 Direct Staff; \$141.14 supplies, postage, etc. |                      |                          |
| <b>Vendor</b><br>Organization: Aldan Electric Supply of Lake County, Inc. (Contract#: 20111473) | \$0.00  | \$4,587.00           | \$4,587.00               |
|   | Occupancy Sensors for county administration building                              |                      |                          |
| <b>Total:</b>   | <b>\$413,596.40</b>   | <b>\$277,961.10</b>  | <b>\$691,557.50</b>      |
| <b>Sub Recipient - TLC Engineering for Architecture ( Contract#: 20111356)</b>                  |   |                      |                          |
| <b>Direct Activity</b>  | \$0.00  | \$2,960.00           | \$2,960.00               |
|   | Evaluation of 1975 Central Energy Plant   |                      |                          |
| <b>Total:</b>   | <b>\$0.00</b>   | <b>\$2,960.00</b>    | <b>\$2,960.00</b>        |
| <b>Total Outlays:</b>   | <b>\$413,596.40</b>   | <b>\$280,921.10</b>  | <b>\$694,517.50</b>      |

**Process Metrics**

| Metric Description  | Group  | Metric Item                                  | Previously Reported | This Quarter | Cumulative To Date |
|---|--|--|---------------------|--------------|--------------------|
| <b>Building Retrofits</b>                                   |  |  |                     |              |                    |
| Buildings retrofitted, by sector                            | Sectors: Public;   | Buildings retrofitted (count)                | 0                   | 0            | 0                  |
| Buildings retrofitted, by sector                            | Sectors: Public;   | Square footage retrofitted (sq.ft.)          | 0                   | 0            | 0                  |
| <b>Financial Incentives and Rebates</b>                     |  |  |                     |              |                    |
| Financial incentives provided, by incentive type and sector | Sectors: Agricultural;<br>Incentive Types: On-Bill financing - utility/government; | Monetary value of financial incentives (\$)  | \$0                 | \$0          | \$0                |
| Financial incentives provided, by incentive type and sector | Sectors: Agricultural;<br>Incentive Types: On-Bill financing - utility/government; | Total value of investments incentivized (\$) | \$0                 | \$0          | \$0                |

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Reporting Period: 10/01/2011 - 12/31/2011 Report Status: Approved

Grant Complete and ready for Close out: 

Activity Title: Incentive Funds (2.3) - continued -

Activity: 4. Financial Incentive Program

**REQUIRED METRICS****Process Metrics**

| Metric Description  | Group  | Metric Item                                  | Previously Reported | This Quarter | Cumulative To Date |
|---|--|--|---------------------|--------------|--------------------|
| <b>Financial Incentives and Rebates</b>                     |  |  |                     |              |                    |
| Financial incentives provided, by incentive type and sector | Sectors: Commercial;<br>Incentive Types: Rebates;  | Monetary value of financial incentives (\$)  | \$1,200             | \$8,380      | \$9,580            |
| Financial incentives provided, by incentive type and sector | Sectors: Commercial;<br>Incentive Types: Rebates;  | Total value of investments incentivized (\$) | \$0                 | \$0          | \$0                |
| Financial incentives provided, by incentive type and sector | Sectors: Residential;<br>Incentive Types: Rebates; | Monetary value of financial incentives (\$)  | \$405,690           | \$250,711    | \$656,401          |
| Financial incentives provided, by incentive type and sector | Sectors: Residential;<br>Incentive Types: Rebates; | Total value of investments incentivized (\$) | \$0                 | \$0          | \$0                |

**QUALITATIVE DESCRIPTIONS**

|   |   |
|---|---|
| <b>Infrastructure Investment Rationale</b>  | <input type="checkbox"/> Is Infrastructure Investment |
| <b>What we planned to accomplish this period</b>  |   |
| Finalize approach to county facility upgrades. Consider allocation of additional funds to Go Green Get Green rebate program |   |
| <b>Are you following the Plan? If not, describe the change in approach, and reasons for the change.</b>                     |   |
|   |   |

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Activity Title: Incentive Funds (2.3) - continued -

Activity: 4. Financial Incentive Program

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

Approved applications equaling almost \$826,000 in energy efficiency rebates. (As of December 31, 2011 we had all but about \$200 of the original funding allocation for this activity encumbered). Completed budget realignment to apply an additional \$150,000 to the Go Green Get Green rebate program. Installed occupancy sensors in central administration building. Regarding county facility energy efficiency upgrades, opted to proceed with the following approach: Utilize the same steps as the traditional performance contracting model with various groups (Electric Utilities, Current On-Call Engineers, Current On-CMs, and traditional bidding) not one Contractor governed by FL Statute 489 Determined the most fiscally responsible approach is to proceed with Progress Energy provided energy audits and implementation of their recommendations to the extent the EECBG funding allows Benefits: 1) No financing, 2) No sharing of savings, or 3) No focusing on a 20 year payback period Focus on utilizing the available grant funds to get energy savings

**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**

Relaunch the rebate program and expend the additional funding allocated. Issue RFP for lighting retrofits in multiple county buildings, issue RFP for boiler replacement in the county's 1975 central energy plant, design for submetering project for central energy plants (2) and the parking garage/320 Main St building.

**Remarks**

U.S. Department of Energy

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Grant Number: EE0000786                      Grantee Name: Lake, County of  
Reporting Period: 10/01/2011 - 12/31/2011    Report Status: Approved                      Grant Complete and ready for Close out:

Activity Title:    Benchmarking, Education, and Outreach (3.3)  
Activity:            6. Buildings and Facilities

|                           |              |                                  |            |
|---------------------------|--------------|----------------------------------|------------|
| Activity Status:          | Active       | % of Work Complete:              | 80         |
| Planned Start Date:       | 05/19/2010   | Planned End Date:                | 07/26/2012 |
| Actual Start Date:        | 05/19/2010   | Actual End Date:                 |            |
| Proposed Activity Budget: | \$556,569.00 | 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 Campaign Lake 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-jurisdictional task force to help facilitate information sharing. PROJECT 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 Tech The 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 Programs Lake 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 Study Lake 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  |
|--|--------------------|----------------|--------------|-------------------|---------------------|------------------------|----------------------------------|---------|
| Public Education & Outreach (marketing campaign preparation) |                    |                |              |                   |                     |                        |                                  |         |
| 11/15/2010   | 06/30/2011         | 89,972         | 11/19/2010   | 07/05/2011        | 0                   | 0                      | 0                                | 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 |

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Reporting Period: 10/01/2011 - 12/31/2011 Report Status: Approved

Grant Complete and ready for Close out: 

Activity Title: Benchmarking, Education, and Outreach (3.3) - 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  |
|--|--------------------|----------------|--------------|-------------------|---------------------|------------------------|----------------------------------|---------|
| Participation and Efficiency Study   |                    |                |              |                   |                     |                        |                                  |         |
| 05/19/2010   | 01/15/2011         | 31,600         | 05/19/2010   | 03/09/2011        | 31,600              | 0                      | 31,600                           | Delayed |
| 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   |
| 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 |
| 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   |

**REQUIRED METRICS****Financial Metrics**

| Use Of Funds   | Previously Reported                         | This Quarter Outlays | Total Cumulative To Date |
|--|---|----------------------|--------------------------|
| <b>EECBG Activity Outlays</b>  |   |                      |                          |
| <b>Recipient</b>   |   |                      |                          |
| <b>Administrative</b>  | \$93,446.33                                 | \$10,423.76          | \$103,870.09             |
| <b>Direct Activity</b>   | \$3,728.43                                  | \$2,946.27           | \$6,674.70               |
|  | \$2555.35 direct staff; 390.92 travel/other |                      |                          |
| <b>Total:</b>  | <b>\$97,174.76</b>                          | <b>\$13,370.03</b>   | <b>\$110,544.79</b>      |
| <b>Sub Recipient - Carbon Solutions America, LLC ( Contract#: PO 20110999)</b> |   |                      |                          |
| <b>Direct Activity</b>   | \$66,801.51                                 | \$4,304.60           | \$71,106.11              |
| <b>Total:</b>  | <b>\$66,801.51</b>                          | <b>\$4,304.60</b>    | <b>\$71,106.11</b>       |
| <b>Sub Recipient - Lake Sumter Community College</b>                           |   |                      |                          |
| <b>Direct Activity</b>   | \$93,360.00                                 | \$0.00               | \$93,360.00              |
| <b>Total:</b>  | <b>\$93,360.00</b>                          | <b>\$0.00</b>        | <b>\$93,360.00</b>       |
| <b>Sub Recipient - Lake Technical Center, Inc.</b>                             |   |                      |                          |

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Reporting Period: 10/01/2011 - 12/31/2011 Report Status: Approved

Grant Complete and ready for Close out: 

Activity Title: Benchmarking, Education, and Outreach (3.3) - continued -

Activity: 6. Buildings and Facilities

**REQUIRED METRICS****Financial Metrics**

| Use Of Funds  | Previously Reported | This Quarter Outlays | Total Cumulative To Date |
|---|---------------------|----------------------|--------------------------|
| <b>EECBG Activity Outlays</b>   |                     |                      |                          |
| <b>Sub Recipient - Lake Technical Center, Inc.</b>                              |                     |                      |                          |
| Direct Activity   | \$93,367.00         | \$0.00               | \$93,367.00              |
| <b>Total:</b>   | <b>\$93,367.00</b>  | <b>\$0.00</b>        | <b>\$93,367.00</b>       |
| <b>Sub Recipient - Mark Cook Builders, Inc. ( Contract#: 20111191/20111192)</b> |                     |                      |                          |
| Direct Activity   | \$8,479.00          | \$0.00               | \$8,479.00               |
| <b>Total:</b>   | <b>\$8,479.00</b>   | <b>\$0.00</b>        | <b>\$8,479.00</b>        |
| <b>Sub Recipient - Reynolds Smith &amp; Hills, Inc. ( Contract#: 20110601)</b>  |                     |                      |                          |
| Direct Activity   | \$64,800.00         | \$0.00               | \$64,800.00              |
| <b>Total:</b>   | <b>\$64,800.00</b>  | <b>\$0.00</b>        | <b>\$64,800.00</b>       |
| <b>Sub Recipient - Shaw Environmental ( Contract#: PO 20110758)</b>             |                     |                      |                          |
| Direct Activity   | \$2,448.75          | \$0.00               | \$2,448.75               |
| <b>Total:</b>   | <b>\$2,448.75</b>   | <b>\$0.00</b>        | <b>\$2,448.75</b>        |
| <b>Total Outlays:</b>   | <b>\$426,431.02</b> | <b>\$17,674.63</b>   | <b>\$444,105.65</b>      |

**Process Metrics**

| Metric Description                | Group                  | Metric Item                                  | Previously Reported | This Quarter | Cumulative To Date |
|-----------------------------------|------------------------|--|---------------------|--------------|--------------------|
| <b>Building Energy Audits</b>     |                        |  |                     |              |                    |
| Building energy audits, by sector | Sectors: Agricultural; | Audits performed (count)                     | 0                   | 0            | 0                  |
| Building energy audits, by sector | Sectors: Agricultural; | Floor space audited (sq.ft.)                 | 0                   | 0            | 0                  |
| Building energy audits, by sector | Sectors: Agricultural; | Auditor's projection of energy savings (kWH) | 0                   | 0            | 0                  |
| 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                   | 0            | 1                  |
| Building energy audits, by sector | Sectors: Residential;  | Floor space audited (sq.ft.)                 | 576                 | 0            | 576                |

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Grant Complete and ready for Close out: 

Activity Title: Benchmarking, Education, and Outreach (3.3) - continued -

Activity: 6. Buildings and Facilities

**REQUIRED METRICS****Process Metrics**

| Metric Description                                     | Group                 | Metric Item  | Previously Reported | This Quarter | Cumulative To Date |
|--|-----------------------|--|---------------------|--------------|--------------------|
| <b>Building Energy Audits</b>                          |                       |  |                     |              |                    |
| Building energy audits, by sector                      | Sectors: Residential; | Auditor's projection of energy savings (kWH)                       | 0                   | 0            | 0                  |
| <b>Workshops, Training, and Education</b>              |                       |  |                     |              |                    |
| Workshops, training, and education sessions, by sector | Sectors: Other;       | Number of workshops, training, and education sessions held (count) |                     | 5            | 5                  |
| Workshops, training, and education sessions, by sector | Sectors: Other;       | Number of people attending (count)                                 |                     | 30           | 30                 |

**QUALITATIVE DESCRIPTIONS**

|   |   |
|---|---|
| <b>Infrastructure Investment Rationale</b>  | <input type="checkbox"/> Is Infrastructure Investment |
| <b>What we planned to accomplish this period</b>  |   |
| Begin advertising cost savings on retrofit pilot program LSCC and Lake Tech to continue offering educational opportunities Prepare for potential relaunch of rebate program   |   |
| <b>Are you following the Plan? If not, describe the change in approach, and reasons for the change.</b>   |   |
| Yes   |   |
| <b>Major Activities, Significant Results, Major Findings, and Key Outcomes</b>  |   |
| LSCC offered International Facility Management Association training .Lake Tech offered solar thermal and introduction to solar courses. They have developed and advertised a solar film course to begin in Q1-2012 and are activity developing their green HVAC curriculum. |   |
| <b>Actual or Anticipated Problems or Delays and Corrective Action Plan</b>  |   |
| <b>Products Produced or Technology Transfer Activities Accomplished During the Reporting Period</b>   |   |

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: 10/01/2011 - 12/31/2011 Report Status: Approved

Grant Complete and ready for Close out:

Activity Title: Benchmarking, Education, and Outreach (3.3) - continued -

Activity: 6. Buildings and Facilities

**QUALITATIVE DESCRIPTIONS**

**Lessons Learned**

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

Continue marketing rebate program and general energy efficiency outreach .LSCC and Lake Tech will continue to offer courses.Completion of GHG monitoring and tracking/benchmarking effort by Shaw Environmental which should include recommendations for ongoing monitoring and tracking.

**Remarks**

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: 10/01/2011 - 12/31/2011      Report Status: Approved      Grant Complete and ready for Close out:

Activity Title: Quality Inspection, Measurement, and Building Codes (4.3)  
Activity: 6. Buildings and Facilities

Activity Status: Active      % of Work Complete: 7  
Planned Start Date: 05/19/2010      Planned End Date: 07/26/2012  
Actual Start Date: 05/19/2010      Actual End Date:  
Proposed Activity Budget: \$73,400.00      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 Inspection Lake 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 Verification Lake 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 Codes Lake 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   |
| first quality inspection completed                         |                    |                |              |                   |                     |                        |                                  |         |
| 07/01/2011   | 08/30/2011         | 0              | 11/16/2011   | 11/16/2011        | 0                   | 0                      | 0                                | Delayed |
| Train Staff, Architects, Builders                          |                    |                |              |                   |                     |                        |                                  |         |
| 05/19/2010   | 05/30/2011         | 9,000          | 05/19/2010   |                   | 0                   | 0                      | 0                                | On-Time |
| Identify 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   |

**REQUIRED METRICS**

**Financial Metrics**

## 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: 10/01/2011 - 12/31/2011 Report Status: Approved

Grant Complete and ready for Close out: 

Activity Title: Quality Inspection, Measurement, and Building Codes (4.3) - continued -

Activity: 6. Buildings and Facilities

**REQUIRED METRICS****Financial Metrics**

| Use Of Funds   | Previously Reported   | This Quarter Outlays | Total Cumulative To Date |
|--|---|----------------------|--------------------------|
| <b>EECBG Activity Outlays</b>  |   |                      |                          |
| <b>Recipient</b>   |   |                      |                          |
| <b>Direct Activity</b>   | \$329.51  | \$1,567.81           | \$1,897.32               |
| <b>Total:</b>  | <b>\$329.51</b>   | <b>\$1,567.81</b>    | <b>\$1,897.32</b>        |
| <b>Sub Recipient - Universal Engineering Sciences, Inc. ( Contract#: 20120579)</b> |   |                      |                          |
| <b>Direct Activity</b>   | \$0.00  | \$3,545.00           | \$3,545.00               |
|  | Quality inspection services associated with Go Green Get Green Rebate program |                      |                          |
| <b>Total:</b>  | <b>\$0.00</b>   | <b>\$3,545.00</b>    | <b>\$3,545.00</b>        |
| <b>Total Outlays:</b>  | <b>\$329.51</b>   | <b>\$5,112.81</b>    | <b>\$5,442.32</b>        |

**Process Metrics**

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

**QUALITATIVE DESCRIPTIONS**

Infrastructure Investment Rationale

 Is Infrastructure Investment

## 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: 10/01/2011 - 12/31/2011 Report Status: Approved

Grant Complete and ready for Close out: 

Activity Title: Quality Inspection, Measurement, and Building Codes (4.3) - continued -

Activity: 6. Buildings and Facilities

**QUALITATIVE DESCRIPTIONS****What we planned to accomplish this period**

Complete staff training on 2009 IECCCommence quality inspection program.

**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**

Consultant began surveys and onsite inspections associated with Go Green Get Green rebate program.

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

Encountered difficulty retaining a committed education provider for IECC training so the training has been delayed . Have identified professional training provider (International Code Council) and will be scheduling the training date soon.

**Products Produced or Technology Transfer Activities Accomplished During the Reporting Period****Lessons Learned****What we expect to accomplish during the next period**

Ongoing quality inspection.IECC training.

**Remarks**

## 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: 10/01/2011 - 12/31/2011 Report Status: Approved

Grant Complete and ready for Close out: 

Activity Title: Traffic Signal Synchronization and System Improvement (5.3)

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: | \$403,470.00 | 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  |
|---|--------------------|----------------|--------------|-------------------|---------------------|------------------------|----------------------------------|---------|
| 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 |
| contract awarded for review of system/strategic plan (task order on existing continuing service contract) |                    |                |              |                   |                     |                        |                                  |         |
| 05/19/2010  | 07/01/2010         | 0              | 05/19/2010   | 06/15/2010        | 0                   | 0                      | 0                                | Ahead   |

## 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: 10/01/2011 - 12/31/2011 Report Status: Approved

Grant Complete and ready for Close out: 

Activity Title: Traffic Signal Synchronization and System Improvement (5.3) - continued -

Activity: 7. Transportation

**REQUIRED METRICS****Financial Metrics**

| Use Of Funds   | Previously Reported                                       | This Quarter Outlays | Total Cumulative To Date |
|--|---|----------------------|--------------------------|
| <b>EECBG Activity Outlays</b>  |   |                      |                          |
| <b>Recipient</b>   |   |                      |                          |
| <b>Direct Activity</b>   | \$0.00  | \$0.00               | \$0.00                   |
| <b>Vendor</b><br>Organization: IMC NETWORKS CORP.<br>(Contract#: 20111435)             | \$597.00  | \$0.00               | \$597.00                 |
| <b>Vendor</b><br>Organization: TRAFFIC CONTROL DEVICES, INC. (Contract#: 20111408)     | \$0.00  | \$33,333.83          | \$33,333.83              |
|  | Conduit, Cable, Cmera, Wireless for ITS Closed Loop Pilot |                      |                          |
| <b>Vendor</b><br>Organization: NAZTEC INTERNATIONAL GROUP, LLC (Contract#: 20111412)   | \$11,750.00   | \$0.00               | \$11,750.00              |
| <b>Vendor</b><br>Organization: NAZTEC INTERNATIONAL GROUP, LLC (Contract#: 20111397)   | \$22,500.00   | \$0.00               | \$22,500.00              |
| <b>Vendor</b><br>Organization: Anixter, Inc. (Contract#: 20111411)                     | \$2,154.16  | \$0.00               | \$2,154.16               |
| <b>Total:</b>  | <b>\$37,001.16</b>  | <b>\$33,333.83</b>   | <b>\$70,334.99</b>       |
| <b>Sub Recipient - Tindale-Oliver &amp; Associates, Inc. ( Contract#: 09-0028)</b>     |   |                      |                          |
| <b>Direct Activity</b>   | \$46,535.15   | \$0.00               | \$46,535.15              |
| <b>Total:</b>  | <b>\$46,535.15</b>  | <b>\$0.00</b>        | <b>\$46,535.15</b>       |
| <b>Sub Recipient - Tindale-Oliver &amp; Associates, Inc. ( Contract#: 20110938)</b>    |   |                      |                          |
| <b>Direct Activity</b>   | \$280,294.15  | \$4,805.85           | \$285,100.00             |
| <b>Total:</b>  | <b>\$280,294.15</b>                                       | <b>\$4,805.85</b>    | <b>\$285,100.00</b>      |
| <b>Sub Recipient - Tindale-Oliver &amp; Associates, Inc. ( Contract#: PO 20110938)</b> |   |                      |                          |
|  | \$0.00  | \$0.00               | \$0.00                   |
| <b>Total:</b>  | <b>\$0.00</b>   | <b>\$0.00</b>        | <b>\$0.00</b>            |
| <b>Total Outlays:</b>  | <b>\$363,830.46</b>                                       | <b>\$38,139.68</b>   | <b>\$401,970.14</b>      |

**Process Metrics**

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

## 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: 10/01/2011 - 12/31/2011 Report Status: Approved

Grant Complete and ready for Close out: 

Activity Title: Traffic Signal Synchronization and System Improvement (5.3) - continued -

Activity: 7. Transportation

**REQUIRED METRICS****Process Metrics**

| Metric Description  | Group | Metric Item                              | Previously Reported | This Quarter | Cumulative To Date |
|---|-------|--|---------------------|--------------|--------------------|
| <b>Transportation</b>   |       |  |                     |              |                    |
| Street lane-miles for which synchronized traffic signals were installed |       | Street lane-miles installed (lane-miles) | 17                  | 0            | 17                 |

**QUALITATIVE DESCRIPTIONS**

Infrastructure Investment Rationale

 Is Infrastructure Investment

What we planned to accomplish this period

Complete all work associated with this activity.

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****US 441 from Lakeshore Blvd. to Lake Eustis Drive****Alfred Street/Old 441 from Lakeshore Blvd. to CR 19A****SR 19 from Dead River Road to US 441 (11 signals)**

Estimated reduction of greenhouse gas emissions of 7.1%

Measured travel time reductions as high as 37%

Time and value savings to the citizens of Lake County of \$1,125,495 per year

Benefit:Cost Ratio of 17.6

**SR 19 from US 441 EB Off Ramp to CR 44 (10 signals)**

Estimated greenhouse gas emissions remained constant

Measured travel time reductions of 5%

Time and value savings to the citizens of Lake County of \$365,983 per year

Benefit:Cost Ratio of 6.3

**US 441 from College Drive to CR 473 (5 signals)**

Estimated reduction of greenhouse gas emissions of 7.8%

Measured travel time reductions of 33%

Time and value savings to the citizens of Lake County of \$413,872 per year

Benefit:Cost Ratio of 14.2

**SR 44 Leesburg from US 27 to US 441 (7 signals)**

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: 10/01/2011 - 12/31/2011 Report Status: Approved

Grant Complete and ready for Close out:

Activity Title: Traffic Signal Synchronization and System Improvement (5.3) - continued -

Activity: 7. Transportation

**QUALITATIVE DESCRIPTIONS**

Estimated reduction of greenhouse gas emissions of **18%**  
Measured travel time reductions of **9%**  
Time and value savings to the citizens of Lake County of **\$714,600 per year**  
Benefit:Cost Ratio of **20.5**

***US 27 from Gunston Street to Griffin Road (10 signals)***

Estimated reduction of greenhouse gas emissions of **5%**  
Time and value savings to the citizens of Lake County of **\$638,673 per year**  
Benefit:Cost Ratio of **11.0**

***US 27 from Citrus Tower Blvd. to CR561A (3 signals)***

Estimated reduction of greenhouse gas emissions of **4.2%**  
Measured travel time reductions of **24%**  
Time and value savings to the citizens of Lake County of **\$833,774 per year**  
Benefit:Cost Ratio of **47.8**

***US 27 from Cagan Crossings Blvd. to Golden Eagle Blvd. (4 signals)***

Estimated reduction of greenhouse gas emissions of **10.8%**  
Measured travel time reductions of **15%**  
Time and value savings to the citizens of Lake County of **\$630,164 per year**  
Benefit:Cost Ratio of **27.1**

**The retiming effort resulted in a countywide time and value savings of \$4.7 million and a combined yearly reduction of 620,625 gallons of fuel consumed during the AM, midday, and PM time periods.**

\*Time & value savings to the citizens of Lake County Based on yearly delay reduction multiplied by the average Lake County \$/hour wage from 2007 Census data. 250 working days assumed to calculate yearly reduction in delay (52 weeks x 5 days per week – 10 holidays = 250 days).

**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**

Upcoming budget realignment will address reallocation of funds left available in this activity at time of project completion.

**Remarks**

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: 10/01/2011 - 12/31/2011    Report Status: Approved                      Grant Complete and ready for Close out:

Activity Title:    Expansion of County Recycling Program (6.3)  
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: | \$42,109.00 | 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 |                     |                      |                          |

## 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: 10/01/2011 - 12/31/2011 Report Status: Approved

Grant Complete and ready for Close out: 

Activity Title: Expansion of County Recycling Program (6.3) - continued -

Activity: 10. Material Conservation Program

**REQUIRED METRICS****Financial Metrics**

| Use Of Funds  | Previously Reported | This Quarter Outlays | Total Cumulative To Date |
|---|---------------------|----------------------|--------------------------|
| <b>EECBG Activity Outlays</b>   |                     |                      |                          |
| <b>Recipient</b>  |                     |                      |                          |
| <b>Direct Activity</b>  | \$3,819.29          | \$1,099.00           | \$4,918.29               |
| <b>Total:</b>   | <b>\$3,819.29</b>   | <b>\$1,099.00</b>    | <b>\$4,918.29</b>        |
| <b>Sub Recipient - Camp Dresser &amp; McKee Inc. ( Contract#: 20111149)</b> |                     |                      |                          |
| <b>Direct Activity</b>  | \$28,577.00         | \$5,043.00           | \$33,620.00              |
| <b>Total:</b>   | <b>\$28,577.00</b>  | <b>\$5,043.00</b>    | <b>\$33,620.00</b>       |
| <b>Sub Recipient - MDT Personnel LLC ( Contract#: 20111229)</b>             |                     |                      |                          |
| <b>Direct Activity</b>  | \$4,834.50          | \$0.00               | \$4,834.50               |
| <b>Total:</b>   | <b>\$4,834.50</b>   | <b>\$0.00</b>        | <b>\$4,834.50</b>        |
| <b>Total Outlays:</b>   | <b>\$37,230.79</b>  | <b>\$6,142.00</b>    | <b>\$43,372.79</b>       |

**Process Metrics**

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

**QUALITATIVE DESCRIPTIONS**

|  |   |
|--|---|
| <b>Infrastructure Investment Rationale</b>       | <input type="checkbox"/> Is Infrastructure Investment |
| <b>What we planned to accomplish this period</b> |   |
| Complete recycling study.                        |   |

## 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: 10/01/2011 - 12/31/2011 Report Status: Approved

Grant Complete and ready for Close out: 

Activity Title: Expansion of County Recycling Program (6.3) - 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**

Study identified various opportunities to increase the recycling rate in Lake County.

**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**

The EECBG portion of this activity is complete. The recycling study will be provided to the Lake County Solid Waste Task Force which is evaluating and recommending solutions for all of the county's solid waste related issues. This task force is tasked with recommending solid waste initiatives to the Lake County Board of County Commissioners, thus implementation of recommendations in the recycling study will be determined at a later date.

**Remarks**

## 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: 10/01/2011 - 12/31/2011 Report Status: Approved

Grant Complete and ready for Close out: 

Activity Title: Greenhouse Gas Reduction Program (7.3)

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: | \$50,709.00 | 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 |
|---|---------------------|----------------------|--------------------------|
| <b>EECBG Activity Outlays</b>                                       |                     |                      |                          |
| <b>Recipient</b>  |                     |                      |                          |
| <b>Direct Activity</b>  | \$453.57            | \$244.52             | \$698.09                 |
|   | direct staff cost   |                      |                          |
| <b>Total:</b>   | <b>\$453.57</b>     | <b>\$244.52</b>      | <b>\$698.09</b>          |
| <b>Sub Recipient - Shaw Environmental ( Contract#: PO 20110701)</b> |                     |                      |                          |
| <b>Direct Activity</b>  | \$11,797.92         | \$25,427.75          | \$37,225.67              |
| <b>Total:</b>   | <b>\$11,797.92</b>  | <b>\$25,427.75</b>   | <b>\$37,225.67</b>       |
| <b>Total Outlays:</b>   | <b>\$12,251.49</b>  | <b>\$25,672.27</b>   | <b>\$37,923.76</b>       |

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: 10/01/2011 - 12/31/2011 Report Status: Approved

Grant Complete and ready for Close out:

Activity Title: Greenhouse Gas Reduction Program (7.3) - 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 |
|--------------------------------------|-------|----------------------------|---------------------|--------------|--------------------|
| <b>Clean Energy Policy</b>           |       |                            |                     |              |                    |
| Other policies developed or improved |       | Policies developed (count) | 0                   | 1            | 1                  |
| Other policies developed or improved |       | Policies improved (count)  | 0                   | 0            | 0                  |

**QUALITATIVE DESCRIPTIONS**

|   |  |
|---|--|
| <b>Infrastructure Investment Rationale</b>  | <input type="checkbox"/> <b>Is Infrastructure Investment</b> |
| <hr/>   |  |
| <b>What we planned to accomplish this period</b>  |  |
| Complete landfill gas feasibility study.  |  |
| <b>Are you following the Plan? If not, describe the change in approach, and reasons for the change.</b>   |  |
| <hr/>   |  |
| <b>Major Activities, Significant Results, Major Findings, and Key Outcomes</b>  |  |
| Central Facility Phase I landfill has landfill gas (LFG) potential to employ internal combustion (IC) engine-generator or microturbine for electrical power generation Recommend leachate treatment system to render the liquid safe for beneficial reuse locally Loghouse and Umatilla level of LFG does not provide for cost-effective beneficial use LFG technologies Recommend passive solar flare to reduce methane component of LFG Additional study is required for cost feasibility at central landfill. This study will be provided to the Lake County Solid Waste Task Force and the recommendations considered in their comprehensive review/recommendations for all of the county's solid waste issues/needs. |  |
| <b>Actual or Anticipated Problems or Delays and Corrective Action Plan</b>  |  |
| <hr/>   |  |
| <b>Products Produced or Technology Transfer Activities Accomplished During the Reporting Period</b>   |  |
| <hr/>   |  |
| <b>Lessons Learned</b>  |  |
| <hr/>   |  |

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: 10/01/2011 - 12/31/2011 Report Status: Approved

Grant Complete and ready for Close out:

Activity Title: Greenhouse Gas Reduction Program (7.3) - continued -

Activity: 11. Reduction/Capture of Methane/Greenhouse Gases

**QUALITATIVE DESCRIPTIONS**

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

This project is complete and under budget. Remaining funds will be reallocated to other activities as part of an upcoming budget realignment.

**Remarks**

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: 10/01/2011 - 12/31/2011      Report Status: Approved      Grant Complete and ready for Close out:

Activity Title: Renewable Energy Technologies (8.3)  
Activity: 13. Onsite Renewable Technology

Activity Status: Active      % of Work Complete: 13  
Planned Start Date: 05/19/2010      Planned End Date: 07/26/2010  
Actual Start Date: 05/19/2010      Actual End Date:  
Proposed Activity Budget: \$86,798.00      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  |
|--|--------------------|----------------|--------------|-------------------|---------------------|------------------------|----------------------------------|---------|
| 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   |
| Installation of renewable energy technology complete             |                    |                |              |                   |                     |                        |                                  |         |
| 04/16/2012   | 07/26/2012         | 71,000         |              |                   | 0                   | 0                      | 0                                |         |

**REQUIRED METRICS**

**Financial Metrics**

## 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: 10/01/2011 - 12/31/2011 Report Status: Approved

Grant Complete and ready for Close out: 

Activity Title: Renewable Energy Technologies (8.3) - continued -

Activity: 13. Onsite Renewable Technology

**REQUIRED METRICS****Financial Metrics**

| Use Of Funds  | Previously Reported | This Quarter Outlays | Total Cumulative To Date |
|---|---------------------|----------------------|--------------------------|
| <b>EECBG Activity Outlays</b>   |                     |                      |                          |
| <b>Recipient</b>  |                     |                      |                          |
| <b>Direct Activity</b>  | \$110.71            | \$206.36             | \$317.07                 |
| <b>Total:</b>   | <b>\$110.71</b>     | <b>\$206.36</b>      | <b>\$317.07</b>          |
| <b>Sub Recipient - TLC Engineering for Architecture ( Contract#: 20111143)</b>    |                     |                      |                          |
| <b>Direct Activity</b>  | \$8,148.60          | \$0.00               | \$8,148.60               |
| <b>Total:</b>   | <b>\$8,148.60</b>   | <b>\$0.00</b>        | <b>\$8,148.60</b>        |
| <b>Sub Recipient - TLC Engineering for Architecture ( Contract#: PO 20110974)</b> |                     |                      |                          |
| <b>Direct Activity</b>  | \$2,850.00          | \$382.28             | \$3,232.28               |
| <b>Total:</b>   | <b>\$2,850.00</b>   | <b>\$382.28</b>      | <b>\$3,232.28</b>        |
| <b>Total Outlays:</b>   | <b>\$11,109.31</b>  | <b>\$588.64</b>      | <b>\$11,697.95</b>       |

**Process Metrics**

| Metric Description                         | Group | Metric Item                              | Previously Reported | This Quarter | Cumulative To Date |
|--|-------|--|---------------------|--------------|--------------------|
| <b>Renewable Energy Market Development</b> |       |  |                     |              |                    |
| Solar energy systems installed             |       | Number of systems installed (count)      | 0                   | 0            | 0                  |
| Solar energy systems installed             |       | Total capacity of systems installed (kW) | 0                   | 0            | 0                  |

**QUALITATIVE DESCRIPTIONS**

|  |   |
|--|---|
| <b>Infrastructure Investment Rationale</b>       | <input type="checkbox"/> Is Infrastructure Investment |
| <b>What we planned to accomplish this period</b> |   |
| Award construction contract.                     |   |

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: 10/01/2011 - 12/31/2011 Report Status: Approved

Grant Complete and ready for Close out:

Activity Title: Renewable Energy Technologies (8.3) - continued -

Activity: 13. Onsite Renewable Technology

**QUALITATIVE DESCRIPTIONS**

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

Yes

**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**

Commence and complete construction

**Remarks**

## 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: 10/01/2011 - 12/31/2011 Report Status: Approved

Grant Complete and ready for Close out: **APPROVAL HISTORY**

| Action                  | Date                   | By Whom   |
|-------------------------|------------------------|---|
| Approved                | 07/31/2012 12:37:52 pm | Kelsie Hammond<br>7203561643<br>kelsie.hammond@go.doe.gov |
|                         |                        | <b>Comments:</b>  |
| Submitted               | 05/01/2012 08:25:23 am | Lori Barnes<br>3523439503<br>lbarnes@lakecountyfl.gov     |
|                         |                        | <b>Comments:</b>  |
| Rejected After Approval | 04/30/2012 05:23:18 pm | Kelsie Hammond<br>7203561643<br>kelsie.hammond@go.doe.gov |
|                         |                        | <b>Comments:</b> Metrics need editing.                    |
| Approved                | 02/07/2012 02:10:50 pm | Kelsie Hammond<br>7203561643<br>kelsie.hammond@go.doe.gov |
|                         |                        | <b>Comments:</b>  |
| Submitted               | 02/01/2012 01:58:05 pm | Lori Barnes<br>3523439503<br>lbarnes@lakecountyfl.gov     |
|                         |                        | <b>Comments:</b>  |