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Rocco O. D'Ascenzo  
Associate General Counsel

**VIA OVERNIGHT DELIVERY**

January 20, 2011

**RECEIVED**  
JAN 21 2011  
**PUBLIC SERVICE  
COMMISSION**

Mr. Jeff Derouen  
Executive Director  
Kentucky Public Service Commission  
211 Sower Blvd  
Frankfort, KY 40601

Re: Case No. 2010-445

Dear Mr. Derouen:

Enclosed please find an original and twelve copies of *Duke Energy Kentucky's Response to the Commission Staff and the Attorney General's First Set Data Request* in the above captioned case.

Please date-stamp the extra two copies of the filings and return to me in the enclosed envelope.

Sincerely,

Rocco O. D'Ascenzo  
Associate General Counsel

RECEIVED

JAN 21 2011

PUBLIC SERVICE  
COMMISSION

VERIFICATION

STATE OF NORTH CAROLINA )  
 ) SS:  
COUNTY OF MECKLENBURG )

The undersigned, Delta Sonderman, being duly sworn, deposes and says that she is employed by the Duke Energy Corporation affiliated companies as Marketing Specialist for Duke Energy Business Services, LLC; that on behalf of Duke Energy Kentucky, Inc., she has supervised the preparation of the responses to the foregoing information requests; and that the matters set forth in the foregoing responses to information requests are true and accurate to the best of her knowledge, information and belief after reasonable inquiry.

*Delta Sonderman*  
Delta Sonderman

Subscribed and sworn to before me by Delta Sonderman on this 20<sup>th</sup> day of January, 2011.

*Lisa S. Moore*  
NOTARY PUBLIC for Gaston County, NC

My Commission Expires: 04-13-2014







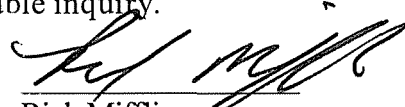




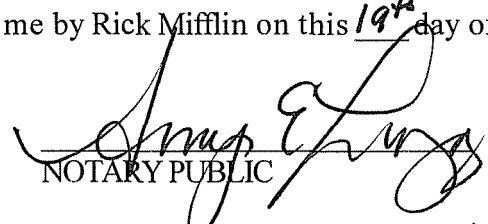
VERIFICATION

STATE OF NORTH CAROLINA            )  
  )  
COUNTY OF MECKLENBURG            )        SS:

The undersigned, Rick Mifflin, being duly sworn, deposes and says that he is employed by the Duke Energy Corporation affiliated companies as Manager, Products and Services for Duke Energy Business Services, LLC; that on behalf of Duke Energy Kentucky, Inc., he has supervised the preparation of the responses to the foregoing information requests; and that the matters set forth in the foregoing responses to information requests are true and accurate to the best of his knowledge, information and belief after reasonable inquiry.

  
Rick Mifflin

Subscribed and sworn to before me by Rick Mifflin on this 19<sup>th</sup> day of January, 2011.

  
NOTARY PUBLIC

My Commission Expires: 11/16/2012







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**Duke Energy Kentucky**  
**Case No. 2010-00445**  
**Staff First Set Data Requests**  
**Date Received: January 5, 2011**

**STAFF-DR-01-001**

**REQUEST:**

Refer to page 17 of Duke Kentucky's application. Duke Kentucky is requesting to increase the budget of its Program 4: Program Administration, Development, & Evaluation by an additional \$60,000. Duke Kentucky states that the additional funds will be used to assess the viability of its commercial Demand-Side Management ("DSM") programs. Provide details of how or in what areas these funds will be spent as part of this program.

**RESPONSE:**

The additional funds will be used to administer third party evaluation measurement and verification for the C&I Prescriptive Incentive Program and the Custom Incentive Program for schools. The C&I Prescriptive Program offers a combination of incentives for various measures. Statistically representative samples of participants will be selected for review and impact estimation studies. For each, some blend of selective monitoring and site visits will be performed at a sample of facilities, with engineering-based estimation and participant billing analysis of a larger group. Participant surveys will be conducted to collect information needed to estimate net impacts. The Custom Incentive Program for schools will be evaluated using a combination of selective monitoring using data loggers, site visits, engineering-based estimation, building simulation modeling and single participant billing analysis. A process review including participant surveys will be conducted within the overall Program Process Review. This evaluation plan is consistent with IPMVP Protocols (International Performance Measurement and Verification Protocol).

**PERSON RESPONSIBLE:** Richard G. Stevie



**Duke Energy Kentucky**  
**Case No. 2010-00445**  
**Staff First Set Data Requests**  
**Date Received: January 5, 2011**

**STAFF-DR-01-002**

**REQUEST:**

Refer to page 18 of Duke Kentucky's application. Duke Kentucky states that the Payment Plus Program is offered over six winter months per year starting in August.

- a. On page 19 of Duke Kentucky's application in Case No. 2009-00444<sup>1</sup>, Duke Kentucky states that the Payment Plus Program is offered over six winter months per year starting in October. State whether the six winter months being evaluated for the Payment Plus Program have been changed from an October start to an August start.
- b. If yes, explain the impact of the change in the six-month period on the comparative use of the data used to evaluate the effectiveness of the program.

**RESPONSE:**

- a. The statement should read six winter months per year starting in October. There has been no change to the delivery of this program. The month of August was inserted because that is when internal staff needs to begin preparation for the October implementation.
- b. There is no impact to the change because the six months for the program remain the same as previous years.

**PERSON RESPONSIBLE:** Richard G. Stevie

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<sup>1</sup> Case No. 2009-00444, Annual Cost Recovery Filing for Demand-Side Management by Duke Energy Kentucky, Inc. (Ky. PSC Mar. 22, 2010).



**STAFF-DR-01-003**

**REQUEST:**

Refer to page 20 of Duke Kentucky's application. Under the Power Manager program, Duke Kentucky states 2,400 devices were checked and slightly over 500, or 21 percent of those checked, were found not to be performing properly and were replaced.

- a. When devices are found not to be performing properly and are replaced, are the replacement devices charged to the Power Manager program, as were the initial devices? Explain.
- b. Are any credits given by the supplier for the defective devices?
  - 1) If so, are those credits applied to the Power Manager program?
  - 2) If not, how are the credits accounted for? Explain.

**RESPONSE:**

- a. Charges associated with the replacement of Power Manager devices are charged to the Kentucky Power Manager program. These include costs of the devices, as well as the costs to perform the quality control checks and any necessary replacements.
- b. Duke Energy's quality control efforts are focused on checking older Power Manager devices that are more likely to have operability issues. There were no credits given by the manufacturer for the devices. Duke Energy Kentucky explored its options for seeking manufacturer corrective action through all reasonable means, but was unsuccessful. Discussions with the manufacturer resulted in the manufacturer disavowing responsibility due to device age. The costs associated with pursuing legal remedies outweighed the likelihood of success. Duke Energy Kentucky has since switched device manufacturers and expects the reliability of newly installed devices to improve.

**PERSON RESPONSIBLE:** Bruce Sailors





**Duke Energy Kentucky  
Case No. 2010-00445  
Staff First Set Data Requests  
Date Received: January 5, 2011**

**STAFF-DR-01-004**

**REQUEST:**

Provide electronically in Excel format with all formulas intact, all workpapers, spreadsheets, calculations, etc. necessary to support the various California test results on page 34 of the application.

**RESPONSE:**

Please see STAFF-DR-01-004 attachment for a copy of the calculation. An electronic copy is provided in the accompanying CD.

**PERSON RESPONSIBLE:** Cochoan Jackson

| <b>Residential Smart Saver®</b> |             |             |             |                    |
|---------------------------------|-------------|-------------|-------------|--------------------|
|                                 | <b>UCT</b>  | <b>TRC</b>  | <b>RIM</b>  | <b>Participant</b> |
| Avoided T&D                     | \$673,890   | \$673,890   | \$673,890   |                    |
| Cost-Based Avoided Production   | \$2,682,951 | \$2,682,951 | \$2,682,951 |                    |
| Cost-Based Avoided Capacity     | \$976,768   | \$976,768   | \$976,768   |                    |
| Lost Revenue                    |             |             |             | \$4,909,620        |
| Net Lost Revenue                |             |             | \$2,806,530 |                    |
| Administration Costs            | \$221,484   | \$221,484   | \$221,484   |                    |
| Implementation Costs            | \$257,701   | \$257,701   | \$257,701   |                    |
| Incentives                      | \$1,307,476 |             | \$1,307,476 | \$1,307,476        |
| Other Utility Costs             | \$180,475   | \$180,475   | \$180,475   |                    |
| Participant Costs               |             | \$2,480,769 |             | \$2,480,769        |
| Total Benefits                  | \$4,333,609 | \$4,333,609 | \$4,333,609 | \$6,217,096        |
| Total Costs                     | \$1,967,136 | \$3,140,429 | \$4,773,666 | \$2,480,769        |
| <b>Benefit/Cost Ratios</b>      | <b>2.20</b> | <b>1.38</b> | <b>0.91</b> | <b>2.51</b>        |



**Duke Energy Kentucky**  
**Case No. 2010-00445**  
**Staff First Set Data Requests**  
**Date Received: January 5, 2011**

**STAFF-DR-01-005**

**REQUEST:**

Refer to the Residential Smart Saver program budget on page 35 of Duke Kentucky's application.

- a. For Year 2011, the projected program costs are \$448,520. Provide a breakdown of projected program costs and participants by each of the qualifying improvement measures.
- b. For Year 2011, the projected lost revenues are \$533,499. Explain how the projected lost revenues are calculated. Provide electronically in Excel format with formulas intact, all work papers, spreadsheets, calculations, etc. necessary to support the explanation.
- c. For Year 2011, the projected shared savings are \$53,822. Explain how the projected shared savings are calculated. Provide electronically in Excel format with formulas intact, all work papers, spreadsheets, calculations, etc. necessary to support the explanation.
- d. Duke Energy Kentucky will employ third-party companies ("Program Administrators") to administer the Residential Smart Saver program. Identify potential Program Administrators, and explain the process of how one become a Program Administrator.
- e. What is the process or required qualifications for a contractor to become a "Trade Ally" in the Residential Smart Saver program? Explain.

**RESPONSE:**

**a.**

|   | <b>Participation</b> | <b>Administrative</b> | <b>Implementation</b> | <b>Incentives</b> | <b>Other Utility Costs</b> |
|---|----------------------|-----------------------|-----------------------|-------------------|----------------------------|
| KY_ Smart Saver – Central Air Conditioner | 250                  | \$ 17,325             | \$ 20,500             | \$ 75,000         | \$ 20,000                  |
| KY_ Smart Saver – Heat Pump               | 400                  | \$ 27,420             | \$32,800              | \$ 120,000        | \$ 30,000                  |
| KY_ SS AC Tune Up                         | 200                  | \$ 4,500              |                       | \$ 10,000         | \$ 20,000                  |
| KY_ SS Attic Insulation Air Sealing       | 80                   | \$ 6,750              |                       | \$ 20,000         | \$ 25,000                  |
| KY_ SS Duct Sealing                       | 35                   | \$ 2,775              |                       | \$3,500           | \$15,000                   |
| KY_ SS HP Tune Up                         | 300                  | \$ 4,950              |                       | \$ 15,000         | \$18,000                   |

**b** Lost revenues are computed using the applicable marginal block rate net of fuel costs and other variable costs times the estimated kWh savings for a three-year period from installation of the DSM measure. Lost revenues accumulate over a three-year period from the installation of each measure, unless a general rate case has occurred.

In preparing its response to this discovery request, the Company discovered that Appendix B, as originally submitted with the Application included incorrect data. These discrepancies will be clearly addressed in the discovery responses where applicable and will contain reference to an “Appendix B Reconciliation 2010 – Revised” document. Attachment STAFF DR-01-005(b)(1) is the corrected Appendix B (“Appendix B Reconciliation 2010 – Revised”).

The net present value of projected lost revenues over the measure life was incorrectly provided instead of the total for the first year of the program. The actual value should be \$50,150 and not \$533,499. This value for one year has been updated in Attachment STAFF-DR-01-00(b)(1) - Appendix B Reconciliation 2010 - Revised. Please see Attachment STAFF-DR-01-005(b)(2) for the calculation in excel.

**c.** Shared savings are estimated by multiplying the projected spending by the UCT value and then subtracting the projected costs and multiplying by 10 percent. Duke Energy Kentucky utilized the shared incentive of 10% of the total savings net of the costs of measures, incentives to customers, marketing, impact evaluation, and administration. Please see STAFF-DR-01-005c attachment for the Excel format.

**d.** Duke Energy has an existing vendor, Wisconsin Energy Conservation Corporation (WECC), who is responsible for administering the Residential Smart Saver program in Duke Energy’s other service territories. Duke Energy Kentucky may elect to use WECC as the Program Administrator in Kentucky since most HVAC contractors in the

Cincinnati area, including northern Kentucky, are already participating in the Duke Energy Ohio Smart Saver program which WECC administers. Alternatively, Duke Energy Kentucky may utilize a Request for Proposal (RFP) process to select the program administrator. The RFP process includes program requirements, vendor proposals and offers a fair and transparent process for all bid participants. Duke Energy Kentucky would complete a comprehensive bidder search and posting to identify qualified companies that could best administer the program.

e. HVAC Contractors will follow an existing Duke Energy process to become a program trade ally by completing and submitting an on-line application to Duke Energy. This application is sent to the program administrator that manages the trade ally relationships and updates the Participating Vendor Search tool on the Duke Energy website. As we expand Smart Saver from an HVAC only program Duke Energy Kentucky will likely follow the same qualification parameters outlined in the Kentucky Home Performance program.

**PERSON RESPONSIBLE:** a,d,e: Delta Sonderman  
b,c: Richard G. Stevie

Appendix B  
 Kentucky DSM Rider

Comparison of Revenue Requirement to Rider Recovery

|  | (1)   | (2)   | (3)  | (4)  | (5)                                    | (6)                                     | (7)                                    | (8)                                     | (9)                            | (10)         | (11)                        | (12)         | (13)                             | (14)           |
|--|---|---|--|--|--|---|--|---|--------------------------------|--------------|-----------------------------|--------------|----------------------------------|----------------|
| Residential Programs                     | Projected Program Costs<br>7/2009 to 6/2010 (A) | Projected Lost Revenues<br>7/2009 to 6/2010 (A) | Projected Shared Savings<br>7/2009 to 6/2010 (A) | Program Expenditures:<br>7/09 through 6/10 (B) | Gas<br>Program Expenditures (C)        | Electric<br>Program Expenditures (C)    | Lost Revenues<br>7/09 through 6/10 (B) | Shared Savings<br>7/09 through 6/10 (B) | 2009 Reconciliation<br>Gas (D) | Electric (E) | Rider Collection (F)<br>Gas | Electric (F) | Over/Under Collection<br>Gas (G) | Electric (G)   |
| Res. Conservation & Energy Education     | \$ 100,000                                      | \$ 16,525                                       | \$ (3,489)                                       | \$ 389,007                                     | \$ 244,895                             | \$ 83,481                               | \$ 18,903                              | \$ 15,560                               |                                |              | NA                          | NA           | NA                               | NA             |
| Refrigerator Replacement                 | \$ 150,000                                      | \$ 6,145  | \$ 300   | \$ 83,481                                      | \$ 120,700                             | \$ 71,193                               | \$ 11,273                              | \$ (417)                                |                                |              | NA                          | NA           | NA                               | NA             |
| Residential Home Energy House Call       | \$ 81,500                                       | \$ 48,810                                       | \$ 35,700  | \$ 191,893                                     | \$ 48,781                              | \$ 28,779                               | \$ 30,643                              | \$ (384)                                |                                |              | NA                          | NA           | NA                               | NA             |
| Res. Comprehensive Energy Education      | \$ 150,000                                      | \$ -  | \$ -   | \$ 77,570                                      | \$ 80,426                              | \$ 80,426                               | \$ -                                   | \$ -                                    |                                |              | NA                          | NA           | NA                               | NA             |
| Payment Plus                             | \$ 675,000                                      | \$ -  | \$ -   | \$ 559,090                                     | \$ 36,754                              | \$ 559,090                              | \$ -                                   | \$ 53,117                               |                                |              | NA                          | NA           | NA                               | NA             |
| Power Manager                            | \$ 140,000                                      | \$ -  | \$ -   | \$ 58,433                                      | \$ 58,433                              | \$ 21,679                               | \$ -                                   | \$ -                                    |                                |              | NA                          | NA           | NA                               | NA             |
| Program Development Funds                | \$ 243,000                                      | \$ 690,225                                      | \$ 63,450  | \$ 63,450                                      | \$ 49,263                              | \$ 28,057                               | \$ 777,516                             | \$ 41,103                               |                                |              | NA                          | NA           | NA                               | NA             |
| Energy Star Products                     | \$ 31,110                                       | \$ 26,781                                       | \$ 2,855   | \$ 7,987                                       | \$ 7,987                               | \$ 4,718                                | \$ 7,701                               | \$ 1,920                                |                                |              | NA                          | NA           | NA                               | NA             |
| Energy Efficiency Website                | \$ 153,000                                      | \$ 121,547                                      | \$ 73,134  | \$ 170,253                                     | \$ 107,088                             | \$ 63,165                               | \$ 10,887                              | \$ 54,317                               |                                |              | NA                          | NA           | NA                               | NA             |
| Personalized Energy Report Program       | \$ -  | \$ -  | \$ -   | \$ -   | \$ -                                   | \$ -                                    | \$ -                                   | \$ -                                    |                                |              | NA                          | NA           | NA                               | NA             |
| Residential SmartSave Pilot Program      | \$ -  | \$ -  | \$ -   | \$ 247,848                                     | \$ 104,505                             | \$ 143,342                              | \$ -                                   | \$ -                                    |                                |              | \$ 104,505                  | \$ 143,342   | \$ -                             | \$ -           |
| Home Energy Assistance Pilot Program (I) | \$ -  | \$ -  | \$ -   | \$ -   | \$ -                                   | \$ -                                    | \$ -                                   | \$ -                                    |                                |              | \$ 4,272,175                | \$ 2,890,857 | \$ -                             | \$ -           |
| Revenues collected except for HEA        | \$ 2,423,410                                    | \$ 811,033                                      | \$ 346,040                                       | \$ 1,949,037                                   | \$ 719,783                             | \$ 1,229,254                            | \$ 856,903                             | \$ 185,216                              | \$ 3,852,899                   | \$ (257,957) | \$ 4,576,980                | \$ 3,034,188 | \$ (4,197)                       | \$ (1,946,783) |
| <b>Total</b>                             |   |   |  |  |  |   |  |   |                                |              |                             |              |                                  |                |
| Commercial Programs                      | (1)   | (2)   | (3)  | (4)  | (5)                                    | (6)                                     | (7)                                    | (8)                                     | (9)                            | (10)         | (11)                        | (12)         | (13)                             | (14)           |
| High Efficiency Program                  | Projected Program Costs<br>7/2009 to 6/2010 (A) | Projected Lost Revenues<br>7/2009 to 6/2010 (A) | Projected Shared Savings<br>7/2009 to 6/2010 (A) | Program Expenditures:<br>7/09 through 6/10 (B) | Lost Revenues<br>7/09 through 6/10 (B) | Shared Savings<br>7/09 through 6/10 (B) | Reconciliation (C)                     | Rider<br>Collection (D)                 | Over/Under<br>Collection (E)   |              |                             |              |                                  |                |
| Lighting                                 | \$ 209,520                                      | \$ 308,352                                      | \$ 10,698  | \$ 447,429                                     | \$ 688,891                             | \$ 166,888                              | \$ -                                   | \$ -                                    | \$ 236,743                     |              |                             |              |                                  |                |
| HVAC                                     | \$ 142,760                                      | \$ 29,247                                       | \$ 14,588  | \$ 20,878                                      | \$ 37,248                              | \$ 437                                  | \$ -                                   | \$ -                                    | \$ -                           |              |                             |              |                                  |                |
| Motors                                   | \$ 100,878                                      | \$ 21,031                                       | \$ 25,718  | \$ 57,849                                      | \$ 15,251                              | \$ 38,965                               | \$ -                                   | \$ -                                    | \$ -                           |              |                             |              |                                  |                |
| Other                                    | \$ 450,814                                      | \$ 289,896                                      | \$ 448,830                                       | \$ 184,184                                     | \$ 114,532                             | \$ 53,448                               | \$ -                                   | \$ -                                    | \$ -                           |              |                             |              |                                  |                |
| Program Development Funds                | \$ 903,772                                      | \$ 657,466                                      | \$ 499,834                                       | \$ 719,739                                     | \$ 855,821                             | \$ 259,718                              | \$ (233,589)                           | \$ 1,365,066                            | \$ 287,573                     |              |                             |              |                                  |                |
| Total for High Efficiency Program        | \$ 285,000                                      | \$ -  | \$ 107,641                                       | \$ 358,011                                     | \$ -                                   | \$ 134,254                              | \$ (183,533)                           | \$ 11,159                               | \$ 287,573                     |              |                             |              |                                  |                |

(A) Amounts identified in report filed on November 15, 2009.  
 (B) Actual program expenditures, lost revenues, and shared savings for the period July 1, 2009 through June 30, 2010 and lost revenues for this period and from prior period DSM measure installations.  
 (C) Recovery allowed in accordance with the Commission's Order in Case No. 2004-00389.  
 (D) Revenues collected through the DSM Rider between July 1, 2009 and June 30, 2010.  
 (E) Revenues collected through the DSM Rider between July 1, 2009 and June 30, 2010.  
 (F) Revenues collected through the DSM Rider between July 1, 2009 and June 30, 2010.  
 (G) Column (6) + Column (7) - Column (11).  
 (H) Column (6) + Column (7) - Column (11).  
 (I) Revenues and expenses for the Home Energy Assistance Pilot Program.



Appendix B

2011 Projected Program Costs, Lost Revenues, and Shared Savings

Residential Program Summary

|  | Residential Program Summary |               |                | Budget (Costs, Lost Revenues, & Shared Savings) |       |              |              |
|--|-----------------------------|---------------|----------------|---|-------|--------------|--------------|
|  | Costs                       | Lost Revenues | Shared Savings | Electric  | Gas   | Electric     | Gas          |
| Residential - Current Programs/Measures        |                             |               |                |   |       |              |              |
| Residential Conservation & Energy Education    | \$ 499,800                  | \$ 16,525     | \$ (3,489)     | 37.1%   | 62.9% | \$ 185,426   | \$ 198,452   |
| Refrigerator Replacement                       | \$ 100,000                  | \$ 6,145      | \$ 300         | 100.0%  | 0.0%  | \$ 100,000   | \$ 106,445   |
| Home Energy House Call                         | \$ 150,000                  | \$ 49,810     | \$ 35,700      | 37.1%   | 62.9% | \$ 55,650    | \$ 141,160   |
| Residential Comprehensive Energy Education     | \$ 81,500                   | \$ -          | \$ -           | 37.1%   | 62.9% | \$ 30,237    | \$ 30,237    |
| Home Energy Assistance Plus (continuing)       | \$ 150,000                  | \$ -          | \$ -           | 37.1%   | 62.9% | \$ 55,650    | \$ 55,650    |
| Power Manager                                  | \$ 875,000                  | \$ -          | \$ 174,000     | 100.0%  | 0.0%  | \$ 875,000   | \$ 1,049,000 |
| Program Development Funds                      | \$ 140,000                  | \$ -          | \$ -           | 37.1%   | 62.9% | \$ 51,940    | \$ 51,940    |
| Energy Star Products                           | \$ 243,000                  | \$ 690,225    | \$ 63,450      | 100.0%  | 0.0%  | \$ 243,000   | \$ 996,675   |
| CFL's (Compact Fluorescent Lights)             |                             |               |                |   |       |              |              |
| Torchiere's (Floor lamps)                      | \$ 31,110                   | \$ 26,781     | \$ 2,955       | 37.1%   | 62.9% | \$ 11,542    | \$ 41,278    |
| Energy Efficiency Web Site                     | \$ 153,000                  | \$ 121,547    | \$ 73,134      | 37.1%   | 62.9% | \$ 56,763    | \$ 251,444   |
| Personalized Energy Report Pilot Program       | \$ 448,520                  | \$ 50,150     | \$ 53,822      | 37.1%   | 62.9% | \$ 166,401   | \$ 270,373   |
| Residential SmartSaver                         | \$ 2,871,930                | \$ 961,183    | \$ 399,862     |   |       | \$ 1,831,608 | \$ 3,192,653 |
| Total Costs, Net Lost Revenues, Shared Savings | \$ 247,283                  | \$ -          | \$ -           |   |       | \$ 143,674   | \$ 103,609   |

C&I DSM Program Summary

|  | C&I DSM Program Summary |               |                | Budget (Costs, Lost Revenues, & Shared Savings) |      |              |              |
|--|-------------------------|---------------|----------------|---|------|--------------|--------------|
|  | Costs                   | Lost Revenues | Shared Savings | Electric  | Gas  | Electric     | Gas          |
| High Efficiency Program                                |                         |               |                |   |      |              |              |
| Lighting   | \$ 104,760              | \$ 273,388    | \$ 5,349       | 100.0%  | 0.0% | \$ 104,760   | \$ 383,497   |
| HVAC   | \$ 71,380               | \$ 15,925     | \$ 7,294       | 100.0%  | 0.0% | \$ 71,380    | \$ 94,598    |
| Motors   | \$ 50,339               | \$ 10,610     | \$ 12,859      | 100.0%  | 0.0% | \$ 50,339    | \$ 73,808    |
| Other  | \$ 225,407              | \$ 149,418    | \$ 224,415     | 100.0%  | 0.0% | \$ 225,407   | \$ 599,240   |
| Program Development Funds                              | \$ 60,000               | \$ -          | \$ -           | 100.0%  | 0.0% | \$ 60,000    | \$ 60,000    |
| Total for the High Efficiency Program                  | \$ 511,885              | \$ 449,341    | \$ 249,916     |   |      | \$ 511,885   | \$ 1,211,143 |
| High Efficiency School Incentive Program               |                         |               |                |   |      |              |              |
| Lighting   | \$ 104,760              | \$ 34,963     | \$ 5,349       | 100.0%  | 0.0% | \$ 104,760   | \$ 145,072   |
| HVAC   | \$ 71,380               | \$ 13,323     | \$ 7,294       | 100.0%  | 0.0% | \$ 71,380    | \$ 91,996    |
| Motors   | \$ 50,339               | \$ 10,421     | \$ 12,859      | 100.0%  | 0.0% | \$ 50,339    | \$ 73,619    |
| Other  | \$ 225,407              | \$ 149,418    | \$ 224,415     | 100.0%  | 0.0% | \$ 225,407   | \$ 599,240   |
| Total for the High Efficiency School Incentive Program | \$ 451,885              | \$ 208,125    | \$ 249,916     |   |      | \$ 451,885   | \$ 909,927   |
| PowerShare@ Program                                    |                         |               |                |   |      |              |              |
| Total C&I DSM Program                                  | \$ 1,228,771            | \$ 657,466    | \$ 607,474     |   |      | \$ 265,000   | \$ 372,641   |
| Total Program  | \$ 4,100,701            | \$ 1,618,649  | \$ 1,007,336   |   |      | \$ 2,493,710 | \$ 2,493,710 |

Appendix B

Duke Energy Kentucky  
Demand Side Management Cost Recovery Rider (DSMR)  
Summary of Calculations for Programs

January, 2011 through December, 2011

|   | Program<br>Costs (A) |
|---|----------------------|
| <u>Electric Rider DSM</u>                                     |                      |
| Residential Rate RS   | \$ 3,192,653         |
| Distribution Level Rates Part A<br>DS, DP, DT, GS-FL, EH & SP | \$ 2,121,069         |
| Transmission Level Rates &<br>Distribution Level Rates Part B | \$ 372,641           |
| <u>Gas Rider DSM</u>  |                      |
| Residential Rate RS   | \$ 1,040,322         |

(A) See Appendix I, page 2 of 5.

Duke Energy Kentucky  
Demand Side Management Cost Recovery Rider (DSMR)  
Summary of Billing Determinants

|  |               |
|--|---------------|
| Year                                     | 2011          |
| Projected Annual Electric Sales kWH      |               |
| Rates RS                                 | 1,419,793,000 |
| Rates DS, DP, DT,<br>GS-FL, EH, & SP     | 2,237,744,041 |
| Rates DS, DP, DT,<br>GS-FL, EH, SP, & TT | 2,453,380,000 |
| Projected Annual Gas Sales CCF           |               |
| Rate RS                                  | 62,760,920    |

Appendix B

Duke Energy Kentucky  
Demand Side Management Cost Recovery Rider (DSMR)  
Summary of Calculations

January, 2010 through December, 2010

| Rate Schedule   | True-Up Amount (A) | Expected Program Costs (B) | Total DSM Revenue Requirements | Estimated Billing Determinants (C) | DSM Cost Recovery Rider (DSMR) |
|---|--------------------|----------------------------|--------------------------------|------------------------------------|--------------------------------|
| Electric Rider DSM Residential Rate RS                        | \$ (1,043,628)     | \$ 3,192,653               | \$ 2,149,026                   | 1,419,793,000 kWh                  | \$ 0.001514 \$/kWh             |
| Distribution Level Rates Part A DS, DP, DT, GS-FL, EH & SP    | \$ 237,390         | \$ 2,121,069               | \$ 2,358,460                   | 2,237,744,041 kWh                  | \$ 0.001054 \$/kWh             |
| Transmission Level Rates & Distribution Level Rates Part B TT | \$ 298,386         | \$ 372,641                 | \$ 671,027                     | 2,453,380,000 kWh                  | \$ 0.000274 \$/kWh             |
| Distribution Level Rates Total DS, DP, DT, GS-FL, EH & SP     |                    |                            |                                |                                    | \$ 0.001327 \$/kWh             |
| Gas Rider DSM Residential Rate RS                             | \$ (4,209)         | \$ 1,040,322               | \$ 1,036,113                   | 62,760,920 CCF                     | \$ 0.016509 \$/CCF             |
| Total Rider Recovery  |                    |                            | \$ 6,214,626                   |                                    |                                |
| Customer Charge for HEA Program                               |                    |                            | Annual Revenues                | Number of Customers                | Monthly Customer Charge        |
| Electric No. 4 Residential Rate RS                            |                    |                            | \$ 143,674                     | 119,728                            | \$ 0.10                        |
| Gas No. 5 Residential Rate RS                                 |                    |                            | \$ 103,609                     | 86,341                             | \$ 0.10                        |
| Total Customer Charge Revenues                                |                    |                            | \$ 247,283                     |                                    |                                |
| Total Recovery  |                    |                            | \$ 6,461,909                   |                                    |                                |

(A) (Over)/Under of Appendix J page 1 multiplied by 1.002733 for 2010 for the average three-month commercial paper rate to include interest on over or under-recovery.  
 (B) Appendix I, page 2.  
 (C) Appendix I, page 4.

| DSMProfileName                           | Annual<br>KWh w/o<br>losses | net/ free<br>riders | Participat |           |            | Total<br>Kwh Year | LR Rate  | Lost     |          |              |               |               |
|--|-----------------------------|---------------------|------------|-----------|------------|-------------------|----------|----------|----------|--------------|---------------|---------------|
|  |                             |                     | on Year 1  | on Year 2 | on Year 3  |                   |          | Year 1   | Year 2   | Year 3       |               |               |
| KY_Smart Saver - Central Air Conditioner | 621.09                      | 250                 | 563        | 563       | 563        | 155,273.00        | 0.051619 | 0.052828 | 0.054066 | \$ 8,015.04  | \$ 26,675.62  | \$ 46,206.27  |
| KY_Smart Saver - Heat Pump               | 1,518.50                    | 400                 | 822        | 822       | 822        | 607,401.60        | 0.051619 | 0.052828 | 0.054066 | \$ 31,353.46 | \$ 98,029.15  | \$ 167,812.14 |
| KY_SS AC Tune Up                         | 78.00                       | 200                 | 1000       | 1500      | 220        | 15,600.00         | 0.051619 | 0.052828 | 0.054066 | \$ 805.26    | \$ 4,944.75   | \$ 11,386.36  |
| KY_SS Attic Insulation Air Sealing       | 943.60                      | 80                  | 180        | 220       | 75,488.00  | 245,336.00        | 0.051619 | 0.052828 | 0.054066 | \$ 3,896.62  | \$ 12,960.73  | \$ 24,488.13  |
| KY_SS Duct Sealing                       | 503.88                      | 35                  | 180        | 200       | 17,635.80  | 108,394.20        | 0.051619 | 0.052828 | 0.054066 | \$ 910.34    | \$ 5,723.13   | \$ 11,305.81  |
| KY_SS HP Tune Up                         | 333.84                      | 300                 | 800        | 1000      | 100,152.00 | 367,224.00        | 0.051619 | 0.052828 | 0.054066 | \$ 5,169.75  | \$ 19,399.88  | \$ 37,903.93  |
|  |                             |                     |            |           |            |                   |          |          |          | \$ 50,150.46 | \$ 167,733.25 | \$ 299,102.64 |

Shared Savings Calc by Year for Residential Smart Saver KY  
UCT 2.2

|      | Projected<br>Costs | Lost revenues | Energy Impacts | Shared Savings |
|------|--------------------|---------------|----------------|----------------|
| 2011 | \$448,520          | \$50,150      | 971,550 kWh    | \$53,822.40    |
| 2012 | \$747,007          | \$167,733     | 2,203,503 kWh  | \$89,640.84    |
| 2013 | \$731,609          | \$299,103     | 2,357,093 kWh  | \$87,793.08    |



**Duke Energy Kentucky**  
**Case No. 2010-00445**  
**Staff First Set Data Requests**  
**Date Received: January 5, 2011**

**STAFF-DR-01-006**

**REQUEST:**

On page 37 of the application, the administrative costs of the Home Energy Assistance (HEA) Program for Northern Kentucky Community Action Committee to distribute funds are \$30,189.53 for this filing period. Provide a detailed breakdown of these administrative costs.

**RESPONSE:**

The amount of \$30,189.53 was slightly understated in the application and the correct amount per Northern Kentucky Community Action Committee (NKYCAC) is \$30,316.11.

NKYCAC distributed \$201,263.52 to 1,092 clients from July 1, 2009 –June 30,2010 with an administrative fee of \$30,316.11 which is approximately 15.06% of funds distributed.

The administrative cost breakdown is as follows:

- Personnel are 80%
- Supplies are 15%
- Occupancy costs are 4%
- Other costs are 1%.

For a detailed breakdown of administrative cost please see STAFF-DR-01-006 attachment.

**PERSON RESPONSIBLE:** John Langston



Northern Kentucky Community Action Commission  
Statement of Revenues and Expenditures  
From 7/1/2009 Through 6/30/2010

KYPSC 2010-445  
STAFF-DR-01-006 Attachment  
1 of 1

|                                    |                  |              |
|------------------------------------|------------------|--------------|
| <b>Personnel</b>                   |                  |              |
| Salaries-ADP                       | 18,809.47        |              |
| Fica-ADP                           | 1,029.41         |              |
| Medicare-ADP                       | 300.19           |              |
| Payroll fees                       | 293.03           |              |
| Indirect Costs                     | 3,720.31         |              |
|                                    | 24,152.41        | 0.797        |
| <b>Supplies</b>                    |                  |              |
| Office Supplies                    | 3,242.21         |              |
| Cleaning Supplies                  | 18.72            |              |
| Other Supplies                     | 631.42           |              |
| Equip Maint-Repair                 | 3.10             |              |
| Other Equip Costs                  | 514.25           |              |
|                                    | 4,409.70         | 0.145        |
| <b>Occupancy</b>                   |                  |              |
| Telephone                          | 246.65           |              |
| Utilities                          | 235.84           |              |
| Maintenance Contracts              | 86.59            |              |
| Building Maint-Repair              | 150.11           |              |
| Other Occupancy Costs              | 40.12            |              |
| Depreciation & amortization - allo | 719.50           |              |
|                                    | 1,478.81         | 0.049        |
| <b>Other</b>                       |                  |              |
| Interest-general                   | 262.68           |              |
| Other expenses                     | 12.51            |              |
|                                    | 275.19           | 0.009        |
| <b>Total</b>                       | <b>30,316.11</b> | <b>1.000</b> |



**Duke Energy Kentucky**  
**Case No. 2010-00445**  
**Staff First Set Data Requests**  
**Date Received: January 5, 2011**

**STAFF-DR-01-007**

**REQUEST:**

Refer to the Residential Programs on Appendix B, page 1, of Duke Kentucky's application.

- a. The actual program expenditures for both electric and gas in Column 4 are \$1,949,037 and the projected costs for both electric and gas were \$2,423,410 in Column 1. Explain why the actual costs were significantly lower than projected.
- b. Compare the projected number of participants by program to the actual number of participants by program for the filing period.
- c. The actual lost revenues in Column 7 for electric are \$856,903, or 70 percent of actual program expenditures, and the projected lost revenues in Column 2 for electric were \$911,033. Compare and explain how the projected lost revenues were determined by program and how the actual lost revenues were calculated by program.
- d. The actual shared savings in Column 8 are \$165,216, or 13 percent of actual program expenditures. Explain how, by program, the actual shared savings were calculated.

**RESPONSE:**

a. The Power Manager program represents the most significant difference (about \$316,000). Duke Energy Kentucky determined that current capacity needs did not require adding more customers to the Power Manager program. Duke Energy Kentucky stopped acquiring new Power Manager customers and focused on maintaining the reliability of the existing Power Manager customer base.

Energy Star Products underspent by about \$165,000. Additional campaigns were delayed as Duke Energy Kentucky evaluated better ways to approach the market place for CFLs. The program experienced a steady decline in campaign response rate since 2008 (3.5% in 2008 vs. .8% in fall 2009). New campaigns are planned for the current fiscal year with deeper discounts and convenient redemption locations.

The Residential Conservation and Energy Education program under spent by about \$111,000 because of contract structure (based on participation and not spending cap). The contract is being revised to reflect funds available for each fiscal year.

Development funds under spent by \$82,000 because Measurement and Verification work expenses were down in 09-10 fiscal year. M&V expenses will increase in the current year.

The Payment Plus program under spent by about \$70,000 because customer demand was less than expected. Duke Energy Kentucky is planning additional campaigns to improve customer engagement.

b.

| <b>Residential - Current Programs/Measures</b> | <b>Participation</b> |               |
|--|----------------------|---------------|
|  | <b>Projected</b>     | <b>Actual</b> |
| Residential Conservation & Energy Education    | 300                  | 199           |
| Refrigerator Replacement                       | 50                   | 92            |
| Home Energy House Call                         | 500                  | 482           |
| Power Manager*                                 | 2500                 | 9792          |
| Energy Star Products                           | 40000                | 28890         |
| Energy Efficiency Web Site                     | 2112                 | 314           |
| Personalized Energy Report                     | 9059                 | 7010          |

\* Projected is incremental and actual is cumulative

c. Projected lost revenues were provided in Case No. 2007-00369 and reflected the three-year build-up of lost margins. The Company has not updated that projection since then. For actual lost revenue calculations by program over the most-recent three-year period, please refer to attachment STAFF-DR-01-007.

d. Shared savings are estimated by multiplying the projected spending by the UCT value and then subtracting the projected costs and multiplying by 10 percent. Duke Energy Kentucky utilized the shared incentive of 10% of the total savings net of the costs of measures, incentives to customers, marketing, impact evaluation, and administration.

For actual shared savings calculations by program, please refer to attachment STAFF-DR-01-007.

**PERSON RESPONSIBLE:** a: Rick Mifflin  
b,c,d: Richard G. Stevie

| Residential                          | Lost Revenue         | Shared Savings       |
|--------------------------------------|----------------------|----------------------|
| Res. Conservation & Energy Education | \$ 18,902.58         | \$ 15,560.29         |
| Refrigerator Replacement             | \$ 11,273.01         | \$ (417.40)          |
| Residential Home Energy House Call   | \$ 30,642.89         | \$ (383.79)          |
| Power Manager                        | \$ -                 | \$ 53,116.70         |
| Energy Star Products                 | \$ 777,516.23        | \$ 41,103.25         |
| Energy Efficiency Website            | \$ 7,701.11          | \$ 1,919.79          |
| Personalized Energy Report Program   | \$ 10,866.88         | \$ 54,317.06         |
| <b>Total</b>                         | <b>\$ 856,902.71</b> | <b>\$ 165,215.90</b> |

| NonResidential                           | Lost Revenue         | Shared Savings       |
|--|----------------------|----------------------|
| High Efficiency Program                  |                      |                      |
| Lighting                                 | \$ 688,890.68        | \$ 166,867.52        |
| HVAC                                     | \$ 37,247.76         | \$ 437.42            |
| Motors                                   | \$ 15,250.70         | \$ 38,964.77         |
| Other                                    | \$ 114,531.64        | \$ 53,448.58         |
| <b>Total for High Efficiency Program</b> | <b>\$ 855,920.77</b> | <b>\$ 259,718.29</b> |
| PowerShare*                              | \$ -                 | \$ 134,254.17        |

| Res. Conservation & Energy Education | 2008 Incremental Participation | 2008 Cumulative Participation | 2005 3 Year Adj. | 2009 Incremental Participation | 2009 Cumulative Participation | 2010 Incremental Participation | 2010 Cumulative Participation | 2010 Impacts per participant | 2010   | Total Impacts |      |             |          |        |     |              |              |
|--------------------------------------|--------------------------------|-------------------------------|------------------|--------------------------------|-------------------------------|--------------------------------|-------------------------------|------------------------------|--------|---------------|------|-------------|----------|--------|-----|--------------|--------------|
| <i>Cumulative from prior years</i>   | 328                            |                               | 64               | 529                            |                               | 568                            |                               | kwh                          | kw     | LR Rate       | UCT  | Cost/Part   | SS Rate  | kwh    | kw  | LR           | SS           |
| July                                 | 23                             | 351                           |                  | 17                             | 533                           | 9                              | 555                           | 72.7414                      | 0.1713 | 0.0517        | 1.40 | \$ 1,954.81 | 781.9240 | 40,371 | 95  | \$ 2,088.92  | \$ 703.73    |
| August                               | 11                             | 362                           |                  | 9                              | 534                           | 17                             | 551                           | 67.5060                      | 0.1636 |               |      |             |          | 37,196 | 90  | \$ 1,924.60  | \$ 1,329.27  |
| September                            | 14                             | 376                           |                  | 19                             | 549                           | -                              | 536                           | 51.1777                      | 0.1440 |               |      |             |          | 27,431 | 77  | \$ 1,419.36  | \$ -         |
| October                              | 10                             | 386                           |                  | 17                             | 562                           | 7                              | 538                           | -                            | -      |               |      |             |          | -      | -   | \$ -         | \$ 547.35    |
| November                             | 12                             | 398                           |                  | 34                             | 591                           | 24                             | 554                           | 53.6454                      | 0.1204 |               |      |             |          | 29,720 | 67  | \$ 1,537.76  | \$ 1,876.62  |
| December                             | 94                             | 492                           |                  | 29                             | 611                           | 90                             | 616                           | 75.3258                      | 0.1644 |               |      |             |          | 46,401 | 101 | \$ 2,400.89  | \$ 7,037.32  |
| January                              | 9                              | 501                           |                  | 19                             | 603                           | -                              | 616                           | 76.6503                      | 0.1511 |               |      |             |          | 47,217 | 93  | \$ 2,443.10  | \$ -         |
| February                             | 22                             | 523                           |                  | 7                              | 577                           | -                              | 601                           | 62.6571                      | 0.1362 |               |      |             |          | 37,657 | 82  | \$ 1,948.46  | \$ -         |
| March                                | 12                             | 535                           |                  | 32                             | 578                           | 36                             | 623                           | 56.0781                      | 0.1225 |               |      |             |          | 34,937 | 76  | \$ 1,807.71  | \$ 2,814.93  |
| April                                | 12                             | 547                           |                  | 22                             | 580                           | 7                              | 618                           | -                            | -      |               |      |             |          | -      | -   | \$ -         | \$ 547.35    |
| May                                  | 28                             | 575                           |                  | 11                             | 577                           | -                              | 600                           | 46.8231                      | 0.1121 |               |      |             |          | 28,094 | 67  | \$ 1,453.65  | \$ -         |
| June                                 | 18                             | 593                           |                  | 6                              | 568                           | 15                             | 601                           | 60.3951                      | 0.1620 |               |      |             |          | 36,297 | 97  | \$ 1,878.12  | \$ 703.73    |
| <b>Total</b>                         |                                |                               |                  |                                |                               |                                |                               |                              |        |               |      |             |          |        |     | \$ 18,902.58 | \$ 15,560.29 |

| Refrigerator Replacement           | 2008 Incremental Participation | 2008 Cumulative Participation | 2005 3 Year Adj. | 2009 Incremental Participation | 2009 Cumulative Participation | 2010 Incremental Participation | 2010 Cumulative Participation | 2010 Impacts per participant | 2010   | Total Impacts |      |           |         |        |    |              |             |
|------------------------------------|--------------------------------|-------------------------------|------------------|--------------------------------|-------------------------------|--------------------------------|-------------------------------|------------------------------|--------|---------------|------|-----------|---------|--------|----|--------------|-------------|
| <i>Cumulative from prior years</i> | 89                             |                               | 21               | 153                            |                               | 168                            |                               | kwh                          | kw     | LR Rate       | UCT  | Cost/Part | SS Rate | kwh    | kw | LR           | SS          |
| July                               | 3                              | 92                            |                  | 5                              | 154                           | 10                             | 177                           | 111.4121                     | 0.2624 | 0.0517        | 0.95 | \$ 907.40 | (45.37) | 19,720 | 46 | \$ 1,020.36  | \$ (45.37)  |
| August                             | 2                              | 94                            |                  | 8                              | 160                           | 2                              | 177                           | 103.3934                     | 0.2505 |               |      |           |         | 18,301 | 44 | \$ 946.92    | \$ (9.07)   |
| September                          | 2                              | 96                            |                  | 1                              | 159                           | -                              | 176                           | 78.3847                      | 0.2206 |               |      |           |         | 13,796 | 39 | \$ 713.82    | \$ -        |
| October                            | 25                             | 121                           |                  | 10                             | 167                           | 5                              | 179                           | 66.3264                      | 0.1586 |               |      |           |         | 11,872 | 28 | \$ 614.31    | \$ (22.69)  |
| November                           | 5                              | 126                           |                  | 3                              | 170                           | 13                             | 191                           | 82.1643                      | 0.1844 |               |      |           |         | 15,693 | 35 | \$ 812.01    | \$ (58.98)  |
| December                           | 18                             | 144                           |                  | 16                             | 185                           | 32                             | 218                           | 115.3704                     | 0.2518 |               |      |           |         | 25,151 | 55 | \$ 1,301.36  | \$ (145.18) |
| January                            | 11                             | 155                           |                  | 2                              | 180                           | -                              | 218                           | 117.3990                     | 0.2314 |               |      |           |         | 25,593 | 50 | \$ 1,324.24  | \$ -        |
| February                           | 3                              | 158                           |                  | 6                              | 178                           | -                              | 206                           | 95.9668                      | 0.2086 |               |      |           |         | 19,769 | 43 | \$ 1,022.91  | \$ -        |
| March                              | 5                              | 163                           |                  | 6                              | 177                           | 11                             | 216                           | 85.8903                      | 0.1876 |               |      |           |         | 18,552 | 41 | \$ 959.94    | \$ (49.91)  |
| April                              | 1                              | 164                           |                  | 2                              | 171                           | 7                              | 212                           | 66.4753                      | 0.1518 |               |      |           |         | 14,093 | 32 | \$ 729.19    | \$ (31.76)  |
| May                                | 9                              | 173                           |                  | 4                              | 169                           | 4                              | 214                           | 71.7151                      | 0.1716 |               |      |           |         | 15,347 | 37 | \$ 794.09    | \$ (18.15)  |
| June                               | 1                              | 174                           |                  | 3                              | 168                           | 8                              | 216                           | 92.5023                      | 0.2481 |               |      |           |         | 19,981 | 54 | \$ 1,033.84  | \$ (36.30)  |
| <b>Total</b>                       |                                |                               |                  |                                |                               |                                |                               |                              |        |               |      |           |         |        |    | \$ 11,273.01 | \$ (417.40) |

| Residential Home Energy House Call | 2008 Incremental Participation | 2008 Cumulative Participation | 2005 3 Year Adj. | 2009 Incremental Participation | 2009 Cumulative Participation | 2009 Participation Base for 2010 | 2009 Impacts per participant | 2010 Incremental Participation | 2010 Cumulative Participation | 2010 Impacts per participant | 2010      | Total Impacts |        |        |      |              |             |        |     |             |            |
|------------------------------------|--------------------------------|-------------------------------|------------------|--------------------------------|-------------------------------|----------------------------------|------------------------------|--------------------------------|-------------------------------|------------------------------|-----------|---------------|--------|--------|------|--------------|-------------|--------|-----|-------------|------------|
| <i>Cumulative from prior years</i> | 1,234                          |                               | 208              | 1,594                          |                               | 1,393                            | kwh                          | kw                             | LR Rate                       | UCT                          | Cost/Part | SS Rate       | kwh    | kw     | LR   | SS           |             |        |     |             |            |
| July                               | 54                             | 1,288                         |                  | 2                              | 1,553                         | 14                               | 1,379                        | 44.0185                        | 0.0600                        | 47                           | 47        | 66.2311       | 0.1438 | 0.0517 | 0.98 | \$ 398.12    | (7,9624)    | 63,814 | 89  | \$ 3,301.91 | \$ (37.42) |
| August                             | 89                             | 1,377                         |                  | 2                              | 1,529                         | 2                                | 1,377                        | 40.8503                        | 0.0600                        | 39                           | 86        | 63.9774       | 0.1296 |        |      |              |             | 61,753 | 94  | \$ 3,195.25 | \$ (31.05) |
| September                          | -                              | 1,377                         |                  | 5                              | 1,499                         | 61                               | 1,316                        | 30.9695                        | 0.0600                        | 46                           | 132       | 55.9453       | 0.1200 |        |      |              |             | 48,141 | 95  | \$ 2,490.92 | \$ (36.63) |
| October                            | 7                              | 1,384                         |                  | 48                             | 1,501                         | 112                              | 1,204                        | -                              | -                             | 76                           | 208       | 35.2908       | 0.0709 |        |      |              |             | 7,340  | 15  | \$ 379.82   | \$ (60.51) |
| November                           | 21                             | 1,405                         |                  | 15                             | 1,496                         | 34                               | 1,170                        | 32.4628                        | 0.0600                        | 41                           | 249       | 57.0317       | 0.1229 |        |      |              |             | 52,182 | 101 | \$ 2,700.05 | \$ (32.65) |
| December                           | 11                             | 1,416                         |                  | 43                             | 1,503                         | 57                               | 1,113                        | 45.5824                        | 0.0600                        | -                            | 249       | 67.3306       | 0.1305 |        |      |              |             | 67,499 | 99  | \$ 3,492.54 | \$ -       |
| January                            | 62                             | 1,478                         |                  | 69                             | 1,452                         | 83                               | 1,030                        | 46.3839                        | 0.0600                        | 38                           | 287       | 67.9444       | 0.1229 |        |      |              |             | 67,275 | 97  | \$ 3,481.00 | \$ (30.26) |
| February                           | 74                             | 1,552                         |                  | 47                             | 1,343                         | 35                               | 995                          | 37.9161                        | 0.0600                        | 37                           | 324       | 58.8570       | 0.1305 |        |      |              |             | 56,796 | 102 | \$ 2,938.78 | \$ (29.46) |
| March                              | 75                             | 1,627                         |                  | 46                             | 1,312                         | 72                               | 923                          | 33.9349                        | 0.0600                        | 45                           | 369       | 59.1202       | 0.1262 |        |      |              |             | 53,137 | 102 | \$ 2,749.46 | \$ (35.83) |
| April                              | 83                             | 1,710                         |                  | 41                             | 1,316                         | 76                               | 847                          | -                              | -                             | 33                           | 402       | 34.1516       | 0.0860 |        |      |              |             | 13,729 | 35  | \$ 710.37   | \$ (26.28) |
| May                                | 67                             | 1,777                         |                  | 41                             | 1,352                         | 81                               | 766                          | 28.3444                        | 0.0600                        | 43                           | 445       | 55.2357       | 0.1106 |        |      |              |             | 46,284 | 95  | \$ 2,394.85 | \$ (34.24) |
| June                               | 25                             | 1,802                         |                  | 46                             | 1,393                         | 70                               | 696                          | 36.5473                        | 0.0600                        | 37                           | 482       | 59.8152       | 0.1312 |        |      |              |             | 54,268 | 105 | \$ 2,807.95 | \$ (29.46) |
| <b>Total</b>                       |                                |                               |                  |                                |                               |                                  |                              |                                |                               |                              |           |               |        |        |      | \$ 30,642.89 | \$ (383.79) |        |     |             |            |



| Lighting                             | 2007 3 Year Adj. | 2007 Participation |               | 2007 Impact per participant |        | 2008 Participation |               | 2008 Impacts per participant |         | 2009 Participation |               | 2009 Impacts per participant |         | 2010                      |                               | 2010 |    | Total Impacts |         |                |           |       |    |           |    |            |    |            |
|--------------------------------------|------------------|--------------------|---------------|-----------------------------|--------|--------------------|---------------|------------------------------|---------|--------------------|---------------|------------------------------|---------|---------------------------|-------------------------------|------|----|---------------|---------|----------------|-----------|-------|----|-----------|----|------------|----|------------|
|                                      |                  | Base for 2010      | Base for 2010 | kwh                         | kw     | Base for 2010      | Base for 2010 | kwh                          | kw      | Base for 2010      | Base for 2010 | kwh                          | kw      | Incremental Participation | 2010 Cumulative Participation | kwh  | kw | LR Rate       | UCT     | 2010 Cost/Part | SS Rate   | kwh   | kw | LR        | SS |            |    |            |
| <i>Cumulative from prior year(s)</i> |                  |                    | 12742         |                             |        |                    |               |                              |         |                    |               |                              |         |                           |                               |      |    |               |         |                |           |       |    |           |    |            |    |            |
| July                                 | 2,348            | 10,394             | 24 3193       | 0.0792                      | 24,777 | 57 2242            | 0.1732        | 28,580                       | 49 5488 | 0.1066             | 9,460         | 9,460                        | 12 8363 | 0.0285                    | 0.0184                        | 4 72 | \$ | 18 07         | 67 2826 |                | 3,208,156 | 8,430 | \$ | 59,132 74 | \$ | 63,649 32  |    |            |
| August                               | 545              | 9,849              | 24 3193       | 0.0845                      | 24,777 | 57 2242            | 0.1732        | 28,580                       | 49 5488 | 0.1039             | 334           | 9,794                        | 12 8363 | 0.0283                    |                               |      |    |               |         |                | 3,199,190 | 8,370 | \$ | 58,967 47 | \$ | 2,247 24   |    |            |
| September                            | 3,239            | 6,610              | 23 4098       | 0.0867                      | 24,777 | 55 4010            | 0.1733        | 28,580                       | 47 8965 | 0.1089             | -             | 9,794                        | 12 4192 | 0.0229                    |                               |      |    |               |         |                | 3,017,927 | 8,203 | \$ | 55,626 44 | \$ | -          |    |            |
| October                              | 415              | 6,195              | 24 1902       | 0.0631                      | 24,777 | 57 2478            | 0.1733        | 28,580                       | 49 4931 | 0.1162             | 84            | 9,878                        | 12 7627 | 0.0285                    |                               |      |    |               |         |                | 3,108,867 | 8,286 | \$ | 57,302 64 | \$ | 565 17     |    |            |
| November                             | 643              | 5,552              | 23 4098       | 0.0867                      | 24,777 | 55 4010            | 0.1733        | 28,580                       | 47 8965 | 0.0939             | 414           | 10,292                       | 12 4192 | 0.0283                    |                               |      |    |               |         |                | 2,999,344 | 7,749 | \$ | 55,283 92 | \$ | 2,785 50   |    |            |
| December                             | 322              | 5,230              | 24 1902       | 0.0867                      | 24,777 | 57 2478            | 0.1733        | 28,580                       | 49 4931 | 0.0939             | 1,447         | 11,739                       | 12 8332 | 0.0284                    |                               |      |    |               |         |                | 3,110,103 | 7,764 | \$ | 57,325 42 | \$ | 9,735 79   |    |            |
| January                              | -                | 5,230              | 24 1902       | 0.0867                      | 24,777 | 57 2478            | 0.1733        | 28,580                       | 49 4931 | 0.1035             | 5,573         | 17,312                       | 12 8332 | 0.0287                    |                               |      |    |               |         |                | 3,181,622 | 8,202 | \$ | 58,643 66 | \$ | 37,496 58  |    |            |
| February                             | -                | 5,230              | 22 0620       | 0.0788                      | 24,777 | 52 2113            | 0.1733        | 28,580                       | 45 1388 | 0.1119             | (226)         | 17,086                       | 11 7042 | 0.0285                    |                               |      |    |               |         |                | 2,899,069 | 8,391 | \$ | 53,435 64 | \$ | (1,520 59) |    |            |
| March                                | 361              | 4,869              | 24 1902       | 0.0841                      | 24,777 | 57 2478            | 0.1733        | 28,580                       | 49 4931 | 0.1102             | 5,462         | 22,548                       | 12 8332 | 0.0231                    |                               |      |    |               |         |                | 3,240,084 | 8,374 | \$ | 59,721 23 | \$ | 36,749 74  |    |            |
| April                                | 68               | 4,801              | 23 4098       | 0.0867                      | 24,777 | 55 4010            | 0.1733        | 28,580                       | 47 8965 | 0.1024             | 897           | 23,445                       | 12 3510 | 0.0287                    |                               |      |    |               |         |                | 3,143,514 | 8,307 | \$ | 57,941 24 | \$ | 6,035 25   |    |            |
| May                                  | 1,369            | 3,432              | 24 1902       | 0.0578                      | 24,777 | 57 2478            | 0.1733        | 28,580                       | 49 4931 | 0.1279             | 34            | 23,479                       | 12 8332 | 0.0285                    |                               |      |    |               |         |                | 3,217,271 | 8,815 | \$ | 59,300 73 | \$ | 228 76     |    |            |
| June                                 | 3,432            | -                  | 23 4098       | 0.0841                      | 24,777 | 55 4010            | 0.1733        | 28,580                       | 47 8965 | 0.1039             | 1,322         | 24,801                       | 12 4192 | 0.0287                    |                               |      |    |               |         |                | 3,049,563 | 7,974 | \$ | 56,209 55 | \$ | 8,894 76   |    |            |
| Total                                |                  |                    |               |                             |        |                    |               |                              |         |                    |               |                              |         |                           |                               |      |    |               |         |                |           |       |    |           | \$ | 688,890 68 | \$ | 166,867 52 |

| HVAC                                 | 2007 3 Year Adj. | 2007 Participation |               | 2007 Impacts per participant |    | 2008 Participation |               | 2008 Impacts per participant |            | 2009 Base              |                        | 2009 Impacts per participant |          | 2010                      |                               | 2010 |    | Total Impacts |         |                |         |     |    |          |    |           |    |        |
|--------------------------------------|------------------|--------------------|---------------|------------------------------|----|--------------------|---------------|------------------------------|------------|------------------------|------------------------|------------------------------|----------|---------------------------|-------------------------------|------|----|---------------|---------|----------------|---------|-----|----|----------|----|-----------|----|--------|
|                                      |                  | Base for 2010      | Base for 2010 | kwh                          | kw | Base for 2010      | Base for 2010 | kwh                          | kw         | Participation for 2010 | Participation for 2010 | kwh                          | kw       | Incremental Participation | 2010 Cumulative Participation | kwh  | kw | LR Rate       | UCT     | 2010 Cost/Part | SS Rate | kwh | kw | LR       | SS |           |    |        |
| <i>Cumulative from prior year(s)</i> |                  |                    | 20            |                              |    |                    |               |                              |            |                        |                        |                              |          |                           |                               |      |    |               |         |                |         |     |    |          |    |           |    |        |
| July                                 | -                | 20                 | 187 7823      | 1.0986                       | 19 | 706 2701           | 1.0171        | 86                           | 4,383 6603 | 4.1345                 | 2                      | 2                            | 143 2188 | 0.2837                    | 0.0184                        | 1.08 | \$ | 649 99        | 49 1480 |                | 394,456 | 397 | \$ | 7,270 61 | \$ | 9 83      |    |        |
| August                               | -                | 20                 | 190 0501      | 1.0986                       | 19 | 712 6475           | 1.0171        | 86                           | 4,423 2433 | 4.1961                 | -                      | 2                            | 144 5120 | 0.2878                    |                               |      |    |               |         |                | 398,029 | 403 | \$ | 7,336 48 | \$ | -         |    |        |
| September                            | -                | 20                 | 162 1511      | 1.0986                       | 19 | 612 2457           | 1.0171        | 86                           | 3,800 0722 | -                      | 6                      | 8                            | 124 1524 | 0.2740                    |                               |      |    |               |         |                | 342,675 | 43  | \$ | 6,316 19 | \$ | 29 49     |    |        |
| October                              | 4                | 16                 | -             | -                            | 19 | -                  | -             | 86                           | 302 6954   | -                      | 2                      | 10                           | 15 9743  | 0.0321                    |                               |      |    |               |         |                | 26,192  | 0   | \$ | 482 76   | \$ | 9 83      |    |        |
| November                             | -                | 16                 | -             | -                            | 19 | -                  | -             | 86                           | 290 9790   | -                      | -                      | 10                           | 15 3559  | 0.0272                    |                               |      |    |               |         |                | 25,178  | 0   | \$ | 464 08   | \$ | -         |    |        |
| December                             | -                | 16                 | -             | -                            | 19 | -                  | -             | 86                           | 325 3335   | -                      | -                      | 10                           | 17 1829  | 0.0288                    |                               |      |    |               |         |                | 28,151  | 0   | \$ | 518 87   | \$ | -         |    |        |
| January                              | -                | 16                 | -             | -                            | 19 | -                  | -             | 86                           | 328 1290   | -                      | 41                     | 51                           | 17 3165  | 0.0324                    |                               |      |    |               |         |                | 29,102  | 2   | \$ | 536 41   | \$ | 201 51    |    |        |
| February                             | -                | 16                 | -             | -                            | 19 | -                  | -             | 86                           | 289 6480   | -                      | 26                     | 77                           | 15 2857  | 0.0390                    |                               |      |    |               |         |                | 26,087  | 3   | \$ | 480 83   | \$ | 127 78    |    |        |
| March                                | 13               | 3                  | -             | -                            | 19 | -                  | -             | 86                           | 299 5308   | -                      | 1                      | 78                           | 15 8072  | 0.0321                    |                               |      |    |               |         |                | 26,993  | 3   | \$ | 497 53   | \$ | 4 91      |    |        |
| April                                | -                | 3                  | -             | -                            | 19 | -                  | -             | 86                           | 280 8771   | -                      | -                      | 78                           | 14 8228  | 0.0295                    |                               |      |    |               |         |                | 25,312  | 2   | \$ | 466 54   | \$ | -         |    |        |
| May                                  | 3                | -                  | 158 7308      | 1.0986                       | 19 | -                  | -             | 86                           | 3,685 9052 | -                      | 1                      | 79                           | 120 4224 | 0.2485                    |                               |      |    |               |         |                | 326,501 | 19  | \$ | 6,018 07 | \$ | 4 91      |    |        |
| June                                 | -                | -                  | 173 7557      | 1.0986                       | 19 | 651 9371           | 1.0171        | 86                           | 4,046 4274 | 3.9908                 | 10                     | 89                           | 132 2011 | 0.2741                    |                               |      |    |               |         |                | 372,145 | 387 | \$ | 6,859 39 | \$ | 49 15     |    |        |
| Total                                |                  |                    |               |                              |    |                    |               |                              |            |                        |                        |                              |          |                           |                               |      |    |               |         |                |         |     |    |          | \$ | 37,247 76 | \$ | 437 42 |

| Motors                               | 2007 3 Year Adj. | 2007 Participation |               | 2007 Impacts per participant |    | 2008 Participation |               | 2008 Impacts per participant |            | 2009 Base              |                        | 2009 Impacts per participant |            | 2010                      |                               | 2010  |    | Total Impacts |           |                |         |     |    |          |    |           |    |           |
|--------------------------------------|------------------|--------------------|---------------|------------------------------|----|--------------------|---------------|------------------------------|------------|------------------------|------------------------|------------------------------|------------|---------------------------|-------------------------------|-------|----|---------------|-----------|----------------|---------|-----|----|----------|----|-----------|----|-----------|
|                                      |                  | Base for 2010      | Base for 2010 | kwh                          | kw | Base for 2010      | Base for 2010 | kwh                          | kw         | Participation for 2010 | Participation for 2010 | kwh                          | kw         | Incremental Participation | 2010 Cumulative Participation | kwh   | kw | LR Rate       | UCT       | 2010 Cost/Part | SS Rate | kwh | kw | LR       | SS |           |    |           |
| <i>Cumulative from prior year(s)</i> |                  |                    | 4             |                              |    |                    |               |                              |            |                        |                        |                              |            |                           |                               |       |    |               |           |                |         |     |    |          |    |           |    |           |
| July                                 | -                | 4                  | 113 8301      | 0.2610                       | 4  | 39 4810            | 0.1254        | 11                           | 4,471 4196 | 7.4571                 | -                      | -                            | 2,790 5564 | 5 6351                    | 0.0184                        | 19 57 | \$ | 1,165 44      | 21,647 09 |                | 49,799  | 84  | \$ | 917 89   | \$ | -         |    |           |
| August                               | -                | 4                  | 115 2048      | 0.2610                       | 4  | 39 4810            | 0.1592        | 11                           | 4,511 7951 | 7.4571                 | -                      | -                            | 2,812 3876 | 5 7054                    |                               |       |    |               |           |                | 50,248  | 84  | \$ | 926 18   | \$ | -         |    |           |
| September                            | -                | 4                  | 98 2930       | 0.2610                       | 4  | 37 9641            | 0.1582        | 11                           | 3,876 1483 | 7.4571                 | 10                     | 10                           | 2,455 0101 | 5 4685                    |                               |       |    |               |           |                | 67,733  | 138 | \$ | 1,248 45 | \$ | 21,647 09 |    |           |
| October                              | 4                | -                  | 93 6397       | 0.2610                       | 4  | 35 2295            | 0.0288        | 11                           | 3,715 7886 | 7.4571                 | -                      | 10                           | 2,379 2135 | 4 9207                    |                               |       |    |               |           |                | 64,823  | 131 | \$ | 1,194 81 | \$ | -         |    |           |
| November                             | -                | -                  | 90 1390       | 0.2610                       | 4  | 37 9641            | 0.1582        | 11                           | 3,571 9624 | 7.4571                 | -                      | 10                           | 2,289 4204 | 4 3281                    |                               |       |    |               |           |                | 62,338  | 126 | \$ | 1,149 01 | \$ | -         |    |           |
| December                             | -                | -                  | 100 7304      | 0.2610                       | 4  | 35 2295            | 0.1582        | 11                           | 3,996 9345 | 7.4571                 | -                      | 10                           | 2,532 2609 | 4 5285                    |                               |       |    |               |           |                | 69,446  | 128 | \$ | 1,280 03 | \$ | -         |    |           |
| January                              | -                | -                  | 89 8035       | 0.2610                       | 4  | 35 2295            | 0.2820        | 11                           | 4,028 0038 | 7.4571                 | -                      | 10                           | 2,549 1741 | 4 9880                    |                               |       |    |               |           |                | 69,957  | 133 | \$ | 1,289 44 | \$ | -         |    |           |
| February                             | -                | -                  | 93 2291       | 0.2610                       | 4  | 35 7783            | 0.2563        | 11                           | 3,555 6238 | 7.4571                 | 1                      | 11                           | 2,260 6654 | 5 0093                    |                               |       |    |               |           |                | 64,122  | 138 | \$ | 1,181 90 | \$ | 2,164 71  |    |           |
| March                                | -                | -                  | 87 1372       | 0.2610                       | 4  | 35 2295            | 0.2734        | 11                           | 3,676 9414 | 7.4571                 | 5                      | 16                           | 2,358 0662 | 4 9501                    |                               |       |    |               |           |                | 78,332  | 162 | \$ | 1,443 82 | \$ | 10,823 55 |    |           |
| April                                | -                | -                  | 96 2196       | 0.2610                       | 4  | 37 9641            | 0.2820        | 11                           | 3,447 9556 | 7.4571                 | -                      | 16                           | 2,221 9148 | 4 6145                    |                               |       |    |               |           |                | 73,630  | 157 | \$ | 1,357 15 | \$ | -         |    |           |
| May                                  | -                | -                  | -             | -                            | 4  | 35 2295            | 0.1794        | 11                           | 3,759 6958 | 7.4571                 | 2                      | 18                           | 2,403 1152 | 4 6242                    |                               |       |    |               |           |                | 84,770  | 166 | \$ | 1,562 47 | \$ | 4,329 42  |    |           |
| June                                 | -                | -                  | 105 3274      | 0.2610                       | 4  | 37 9641            | 0.2820        | 11                           | 4,127 4355 | 7.4571                 | -                      | 18                           | 2,591 8034 | 5 4699                    |                               |       |    |               |           |                | 92,206  | 182 | \$ | 1,699 54 | \$ | -         |    |           |
| Total                                |                  |                    |               |                              |    |                    |               |                              |            |                        |                        |                              |            |                           |                               |       |    |               |           |                |         |     |    |          | \$ | 15,250 70 | \$ | 38,964 77 |





| Cumulative from prior year(s) | 2010 Incremental | 2010 Cumulative | 2010 Impacts per participant |         |         | 2010 |           |           |             | Total Impacts |    |           |             |
|-------------------------------|------------------|-----------------|------------------------------|---------|---------|------|-----------|-----------|-------------|---------------|----|-----------|-------------|
|                               | 1 Participation  | Participation   | kwh                          | kw      | LR Rate | UCT  | Cost/Part | SS Rate   | kwh         | kw            | LR | SS        |             |
| July                          | -                | -               | 10,756.9142                  | 13.8766 | 0.0184  |      | 3.76 \$   | 25,896.32 | 71,565.2685 | -             | -  | \$ -      | \$ -        |
| August                        | -                | -               | 10,324.2044                  | 13.8766 |         |      |           |           |             | -             | -  | \$ -      | \$ -        |
| September                     | -                | -               | 9,991.1656                   | 13.8766 |         |      |           |           |             | -             | -  | \$ -      | \$ -        |
| October                       | -                | -               | 10,324.2044                  | 13.8766 |         |      |           |           |             | -             | -  | \$ -      | \$ -        |
| November                      | -                | -               | 9,991.1656                   | 13.8766 |         |      |           |           |             | -             | -  | \$ -      | \$ -        |
| December                      | -                | -               | 10,324.2044                  | 13.8766 |         |      |           |           |             | -             | -  | \$ -      | \$ -        |
| January                       | -                | -               | 10,324.2044                  | 13.8766 |         |      |           |           |             | -             | -  | \$ -      | \$ -        |
| February                      | -                | -               | 9,415.9166                   | 13.8766 |         |      |           |           |             | -             | -  | \$ -      | \$ -        |
| March                         | 1                | 1               | 10,324.2044                  | 13.8766 |         |      |           |           |             | 10,324        | 14 | \$ 190.30 | \$ 7,156.53 |
| April                         | -                | 1               | 9,991.1656                   | 13.8766 |         |      |           |           |             | 9,991         | 14 | \$ 184.16 | \$ -        |
| May                           | -                | 1               | 10,324.2044                  | 13.8766 |         |      |           |           |             | 10,324        | 14 | \$ 190.30 | \$ -        |
| June                          | -                | 1               | 9,991.1656                   | 13.8766 |         |      |           |           |             | 9,991         | 14 | \$ 184.16 | \$ -        |
| Total                         |                  |                 |                              |         |         |      |           |           |             |               |    | \$ 748.91 | \$ 7,156.53 |

| Cumulative from prior year(s) | 2010 Incremental | 2010 Cumulative | 2010 Impacts per participant |        |         | 2010 |           |         |          | Total Impacts |    |      |          |
|-------------------------------|------------------|-----------------|------------------------------|--------|---------|------|-----------|---------|----------|---------------|----|------|----------|
|                               | 2 Participation  | Participation   | kwh                          | kw     | LR Rate | UCT  | Cost/Part | SS Rate | kwh      | kw            | LR | SS   |          |
| July                          | -                | -               | -                            | -      | 0.0184  |      | 4.06 \$   | 320.79  | 980.2100 | -             | -  | \$ - | \$ -     |
| August                        | -                | -               | -                            | -      |         |      |           |         |          | -             | -  | \$ - | \$ -     |
| September                     | -                | -               | -                            | 9.0250 |         |      |           |         |          | -             | -  | \$ - | \$ -     |
| October                       | -                | -               | -                            | 9.0250 |         |      |           |         |          | -             | -  | \$ - | \$ -     |
| November                      | -                | -               | -                            | 9.0250 |         |      |           |         |          | -             | -  | \$ - | \$ -     |
| December                      | -                | -               | -                            | 9.0250 |         |      |           |         |          | -             | -  | \$ - | \$ -     |
| January                       | -                | -               | (0.0000)                     | 4.6492 |         |      |           |         |          | -             | -  | \$ - | \$ -     |
| February                      | -                | -               | 0.0000                       | 9.0250 |         |      |           |         |          | -             | -  | \$ - | \$ -     |
| March                         | 1                | 1               | -                            | 9.0250 |         |      |           |         |          | -             | 9  | \$ - | \$ 98.02 |
| April                         | -                | 1               | -                            | 9.0250 |         |      |           |         |          | -             | 9  | \$ - | \$ -     |
| May                           | -                | 1               | -                            | 9.0250 |         |      |           |         |          | -             | 9  | \$ - | \$ -     |
| June                          | -                | 1               | -                            | -      |         |      |           |         |          | -             | -  | \$ - | \$ -     |
| Total                         |                  |                 |                              |        |         |      |           |         |          |               |    | \$ - | \$ 98.02 |

| Cumulative from prior year(s) | 2010 Incremental | 2010 Cumulative | 2010 Impacts per participant |        |         | 2010 |           |          |            | Total Impacts |    |           |           |
|-------------------------------|------------------|-----------------|------------------------------|--------|---------|------|-----------|----------|------------|---------------|----|-----------|-----------|
|                               | 3 Participation  | Participation   | kwh                          | kw     | LR Rate | UCT  | Cost/Part | SS Rate  | kwh        | kw            | LR | SS        |           |
| July                          | -                | -               | 1,531.1263                   | 2.9079 | 0.0184  |      | 3.83 \$   | 2,939.04 | 8,325.7235 | -             | -  | \$ -      | \$ -      |
| August                        | -                | -               | 1,565.3568                   | 3.1000 |         |      |           |          |            | -             | -  | \$ -      | \$ -      |
| September                     | -                | -               | 2,024.8627                   | 4.6582 |         |      |           |          |            | -             | -  | \$ -      | \$ -      |
| October                       | -                | -               | 2,748.0122                   | 6.3270 |         |      |           |          |            | -             | -  | \$ -      | \$ -      |
| November                      | -                | -               | 2,150.8526                   | 4.2714 |         |      |           |          |            | -             | -  | \$ -      | \$ -      |
| December                      | -                | -               | 2,755.1404                   | 5.1813 |         |      |           |          |            | -             | -  | \$ -      | \$ -      |
| January                       | -                | -               | 3,835.3773                   | 6.6991 |         |      |           |          |            | -             | -  | \$ -      | \$ -      |
| February                      | -                | -               | 4,310.2880                   | 8.3447 |         |      |           |          |            | -             | -  | \$ -      | \$ -      |
| March                         | 1                | 1               | 2,628.0741                   | 5.1216 |         |      |           |          |            | 2,628         | 5  | \$ 48.44  | \$ 832.57 |
| April                         | -                | 1               | 2,039.0572                   | 4.3721 |         |      |           |          |            | 2,039         | 4  | \$ 37.58  | \$ -      |
| May                           | -                | 1               | 1,386.5501                   | 3.0505 |         |      |           |          |            | 1,387         | 3  | \$ 25.56  | \$ -      |
| June                          | -                | 1               | 1,205.1025                   | 2.4723 |         |      |           |          |            | 1,205         | 2  | \$ 22.21  | \$ -      |
| Total                         |                  |                 |                              |        |         |      |           |          |            |               |    | \$ 133.79 | \$ 832.57 |

| Cumulative from prior year(s) | 2010 Incremental | 2010 Cumulative | 2010 Impacts per participant |        |         | 2010 |           |         |            | Total Impacts |    |          |           |
|-------------------------------|------------------|-----------------|------------------------------|--------|---------|------|-----------|---------|------------|---------------|----|----------|-----------|
|                               | 4 Participation  | Participation   | kwh                          | kw     | LR Rate | UCT  | Cost/Part | SS Rate | kwh        | kw            | LR | SS       |           |
| July                          | -                | -               | 509.4655                     | 0.9669 | 0.0184  |      | 3.85 \$   | 606.98  | 1,728.7756 | -             | -  | \$ -     | \$ -      |
| August                        | -                | -               | 504.6559                     | 0.9994 |         |      |           |         |            | -             | -  | \$ -     | \$ -      |
| September                     | -                | -               | 620.7270                     | 1.4280 |         |      |           |         |            | -             | -  | \$ -     | \$ -      |
| October                       | -                | -               | 502.6893                     | 1.1574 |         |      |           |         |            | -             | -  | \$ -     | \$ -      |
| November                      | -                | -               | 402.4327                     | 0.7992 |         |      |           |         |            | -             | -  | \$ -     | \$ -      |
| December                      | -                | -               | 411.7665                     | 0.7744 |         |      |           |         |            | -             | -  | \$ -     | \$ -      |
| January                       | -                | -               | 416.5352                     | 0.7275 |         |      |           |         |            | -             | -  | \$ -     | \$ -      |
| February                      | -                | -               | 379.8828                     | 0.7355 |         |      |           |         |            | -             | -  | \$ -     | \$ -      |
| March                         | 1                | 1               | 398.9274                     | 0.7774 |         |      |           |         |            | 399           | 1  | \$ 7.35  | \$ 172.88 |
| April                         | -                | 1               | 389.2777                     | 0.8347 |         |      |           |         |            | 389           | 1  | \$ 7.18  | \$ -      |
| May                           | -                | 1               | 500.1826                     | 1.1004 |         |      |           |         |            | 500           | 1  | \$ 9.22  | \$ -      |
| June                          | -                | 1               | 460.1574                     | 0.9440 |         |      |           |         |            | 460           | 1  | \$ 8.48  | \$ -      |
| Total                         |                  |                 |                              |        |         |      |           |         |            |               |    | \$ 32.23 | \$ 172.88 |

| Cumulative from prior year(s) | 2010 Incremental | 2010 Cumulative | 2010 impacts per participant |          |         | UCT    | 2010      |             |             | Total Impacts |    |      |             |
|-------------------------------|------------------|-----------------|------------------------------|----------|---------|--------|-----------|-------------|-------------|---------------|----|------|-------------|
|                               | 5 Participation  | Participation   | kwh                          | kw       | LR Rate |        | Cost/Part | SS Rate     | kwh         | kw            | LR | SS   |             |
| July                          | -                | -               | -                            | -        | -       | 0.0184 | 3.92      | \$ 5,058.13 | 14,745.5146 | -             | -  | \$ - | \$ -        |
| August                        | -                | -               | -                            | -        | -       |        |           |             |             | -             | -  | \$ - | \$ -        |
| September                     | -                | -               | -                            | -        | -       |        |           |             |             | -             | -  | \$ - | \$ -        |
| October                       | -                | -               | -                            | -        | -       |        |           |             |             | -             | -  | \$ - | \$ -        |
| November                      | -                | -               | 25,949.7402                  | 154.9387 | -       |        |           |             |             | -             | -  | \$ - | \$ -        |
| December                      | -                | -               | -                            | -        | -       |        |           |             |             | -             | -  | \$ - | \$ -        |
| January                       | -                | -               | -                            | -        | -       |        |           |             |             | -             | -  | \$ - | \$ -        |
| February                      | -                | -               | -                            | -        | -       |        |           |             |             | -             | -  | \$ - | \$ -        |
| March                         | -                | -               | 29,188.4598                  | 124.9506 | -       |        |           |             |             | -             | -  | \$ - | \$ -        |
| April                         | -                | -               | -                            | -        | -       |        |           |             |             | -             | -  | \$ - | \$ -        |
| May                           | 1                | 1               | -                            | -        | -       |        |           |             |             | -             | -  | \$ - | \$ 1,474.55 |
| June                          | -                | 1               | -                            | -        | -       |        |           |             |             | -             | -  | \$ - | \$ -        |
|                               |                  |                 |                              |          |         |        |           |             |             |               |    | \$ - | \$ 1,474.55 |

| Cumulative from prior year(s) | 2010 Incremental | 2010 Cumulative | 2010 impacts per participant |        |         | UCT    | 2010      |           |          | Total Impacts |          |           |      |
|-------------------------------|------------------|-----------------|------------------------------|--------|---------|--------|-----------|-----------|----------|---------------|----------|-----------|------|
|                               | 6 Participation  | Participation   | kwh                          | kw     | LR Rate |        | Cost/Part | SS Rate   | kwh      | kw            | LR       | SS        |      |
| July                          | -                | -               | 412.0603                     | 0.7821 | -       | 0.0184 | 3.85      | \$ 758.72 | 2,162.18 | -             | -        | \$ -      | \$ - |
| August                        | -                | -               | 498.4870                     | 0.9872 | -       |        |           |           |          | -             | -        | \$ -      | \$ - |
| September                     | -                | -               | 619.1630                     | 1.4244 | -       |        |           |           |          | -             | -        | \$ -      | \$ - |
| October                       | -                | -               | 515.1609                     | 1.1861 | -       |        |           |           |          | -             | -        | \$ -      | \$ - |
| November                      | -                | -               | 574.0740                     | 1.1401 | -       |        |           |           |          | -             | -        | \$ -      | \$ - |
| December                      | -                | -               | 738.4672                     | 1.3888 | -       |        |           |           |          | -             | -        | \$ -      | \$ - |
| January                       | -                | -               | 927.3559                     | 1.6198 | -       |        |           |           |          | -             | -        | \$ -      | \$ - |
| February                      | -                | -               | 850.2559                     | 1.6461 | -       |        |           |           |          | -             | -        | \$ -      | \$ - |
| March                         | 1                | 1               | 661.0292                     | 1.2882 | -       |        |           |           | 661      | 1             | \$ 12.18 | \$ 216.22 |      |
| April                         | -                | 1               | 503.4093                     | 1.0794 | -       |        |           |           | 503      | 1             | \$ 9.28  | \$ -      |      |
| May                           | -                | 1               | 573.3279                     | 1.2614 | -       |        |           |           | 573      | 1             | \$ 10.57 | \$ -      |      |
| June                          | -                | 1               | 492.5594                     | 1.0105 | -       |        |           |           | 492      | 1             | \$ 9.08  | \$ -      |      |
|                               |                  |                 |                              |        |         |        |           |           |          |               | \$ 41.11 | \$ 216.22 |      |

| Cumulative from prior year(s) | 2010 Incremental | 2010 Cumulative | 2010 impacts per participant |        |         | UCT    | 2010      |             |            | Total Impacts |           |           |      |
|-------------------------------|------------------|-----------------|------------------------------|--------|---------|--------|-----------|-------------|------------|---------------|-----------|-----------|------|
|                               | 7 Participation  | Participation   | kwh                          | kw     | LR Rate |        | Cost/Part | SS Rate     | kwh        | kw            | LR        | SS        |      |
| July                          | -                | -               | 1,281.7823                   | 2.4327 | -       | 0.0184 | 2.24      | \$ 3,141.37 | 3,889.9621 | -             | -         | \$ -      | \$ - |
| August                        | -                | -               | 1,341.1507                   | 2.6560 | -       |        |           |             |            | -             | -         | \$ -      | \$ - |
| September                     | -                | -               | 1,901.6660                   | 4.3748 | -       |        |           |             |            | -             | -         | \$ -      | \$ - |
| October                       | -                | -               | 1,475.2046                   | 3.3965 | -       |        |           |             |            | -             | -         | \$ -      | \$ - |
| November                      | -                | -               | 1,496.9474                   | 2.9728 | -       |        |           |             |            | -             | -         | \$ -      | \$ - |
| December                      | -                | -               | 1,359.2055                   | 2.5561 | -       |        |           |             |            | -             | -         | \$ -      | \$ - |
| January                       | -                | -               | 1,289.6332                   | 2.2526 | -       |        |           |             |            | -             | -         | \$ -      | \$ - |
| February                      | -                | -               | 1,214.9702                   | 2.3522 | -       |        |           |             |            | -             | -         | \$ -      | \$ - |
| March                         | 1                | 1               | 1,445.7467                   | 2.8175 | -       |        |           |             | 1,446      | 3             | \$ 26.65  | \$ 389.00 |      |
| April                         | -                | 1               | 1,520.4097                   | 3.2601 | -       |        |           |             | 1,520      | 3             | \$ 28.02  | \$ -      |      |
| May                           | -                | 1               | 1,671.9981                   | 3.6785 | -       |        |           |             | 1,672      | 4             | \$ 30.82  | \$ -      |      |
| June                          | -                | 1               | 1,797.6356                   | 3.6880 | -       |        |           |             | 1,798      | 4             | \$ 33.13  | \$ -      |      |
|                               |                  |                 |                              |        |         |        |           |             |            |               | \$ 118.62 | \$ 389.00 |      |

|                               | 2010 Incremental |               | 2010 Cumulative |          | 2010 Impacts per participant |         |      | 2010      |          | Total Impacts |    |          |          |
|-------------------------------|------------------|---------------|-----------------|----------|------------------------------|---------|------|-----------|----------|---------------|----|----------|----------|
|                               | 8                | Participation | Participation   | kwh      | kw                           | LR Rate | UCT  | Cost/Part | SS Rate  | kwh           | kw | LR       | SS       |
| Cumulative from prior year(s) |                  |               |                 |          |                              |         |      |           |          |               |    |          |          |
| July                          | -                | -             | -               | 162 1444 | 0.3077                       | 0.0184  | 3.89 | \$ 263.56 | 762 5802 | -             | -  | \$ -     | \$ -     |
| August                        | -                | -             | -               | 191 1177 | 0.3785                       |         |      |           |          | -             | -  | \$ -     | \$ -     |
| September                     | -                | -             | -               | 267 4482 | 0.6153                       |         |      |           |          | -             | -  | \$ -     | \$ -     |
| October                       | -                | -             | -               | 213 9256 | 0.4925                       |         |      |           |          | -             | -  | \$ -     | \$ -     |
| November                      | -                | -             | -               | 207 0427 | 0.4112                       |         |      |           |          | -             | -  | \$ -     | \$ -     |
| December                      | -                | -             | -               | 235 6100 | 0.4431                       |         |      |           |          | -             | -  | \$ -     | \$ -     |
| January                       | -                | -             | -               | 244 1049 | 0.4264                       |         |      |           |          | -             | -  | \$ -     | \$ -     |
| February                      | -                | -             | -               | 248 7112 | 0.4815                       |         |      |           |          | -             | -  | \$ -     | \$ -     |
| March                         | -                | 1             | 1               | 228.1034 | 0.4445                       |         |      |           |          | 228           | 0  | \$ 4.20  | \$ 76.26 |
| April                         | -                | -             | 1               | 196.8241 | 0.4220                       |         |      |           |          | 197           | 0  | \$ 3.63  | \$ -     |
| May                           | -                | -             | 1               | 243.7755 | 0.5363                       |         |      |           |          | 244           | 1  | \$ 4.49  | \$ -     |
| June                          | -                | -             | 1               | 236.3924 | 0.4850                       |         |      |           |          | 236           | 0  | \$ 4.36  | \$ -     |
|                               |                  |               |                 |          |                              |         |      |           |          |               |    | \$ 16.68 | \$ 76.26 |

|                               | 2010 Incremental |               | 2010 Cumulative |          | 2010 Impacts per participant |         |      | 2010      |            | Total Impacts |    |          |           |
|-------------------------------|------------------|---------------|-----------------|----------|------------------------------|---------|------|-----------|------------|---------------|----|----------|-----------|
|                               | 9                | Participation | Participation   | kwh      | kw                           | LR Rate | UCT  | Cost/Part | SS Rate    | kwh           | kw | LR       | SS        |
| Cumulative from prior year(s) |                  |               |                 |          |                              |         |      |           |            |               |    |          |           |
| July                          | -                | -             | -               | 529.9807 | 1.0059                       | 0.0184  | 3.89 | \$ 753.40 | 2,175.2669 | -             | -  | \$ -     | \$ -      |
| August                        | -                | -             | -               | 613.1941 | 1.2143                       |         |      |           |            | -             | -  | \$ -     | \$ -      |
| September                     | -                | -             | -               | 770.3329 | 1.7721                       |         |      |           |            | -             | -  | \$ -     | \$ -      |
| October                       | -                | -             | -               | 595.1187 | 1.3702                       |         |      |           |            | -             | -  | \$ -     | \$ -      |
| November                      | -                | -             | -               | 528.4123 | 1.0494                       |         |      |           |            | -             | -  | \$ -     | \$ -      |
| December                      | -                | -             | -               | 603.3611 | 1.1347                       |         |      |           |            | -             | -  | \$ -     | \$ -      |
| January                       | -                | -             | -               | 657.4092 | 1.1483                       |         |      |           |            | -             | -  | \$ -     | \$ -      |
| February                      | -                | -             | -               | 552.4164 | 1.0695                       |         |      |           |            | -             | -  | \$ -     | \$ -      |
| March                         | -                | 1             | 1               | 617.3431 | 1.2031                       |         |      |           |            | 617           | 1  | \$ 11.38 | \$ 217.53 |
| April                         | -                | -             | 1               | 505.0645 | 1.0830                       |         |      |           |            | 505           | 1  | \$ 9.31  | \$ -      |
| May                           | -                | -             | 1               | 760.1551 | 1.6724                       |         |      |           |            | 760           | 2  | \$ 14.01 | \$ -      |
| June                          | -                | -             | 1               | 640.2571 | 1.3135                       |         |      |           |            | 640           | 1  | \$ 11.80 | \$ -      |
|                               |                  |               |                 |          |                              |         |      |           |            |               |    | \$ 46.50 | \$ 217.53 |

|                               | 2010 Incremental |               | 2010 Cumulative |            | 2010 Impacts per participant |         |      | 2010        |            | Total Impacts |    |           |           |
|-------------------------------|------------------|---------------|-----------------|------------|------------------------------|---------|------|-------------|------------|---------------|----|-----------|-----------|
|                               | 10               | Participation | Participation   | kwh        | kw                           | LR Rate | UCT  | Cost/Part   | SS Rate    | kwh           | kw | LR        | SS        |
| Cumulative from prior year(s) |                  |               |                 |            |                              |         |      |             |            |               |    |           |           |
| July                          | -                | -             | -               | 47.1943    | 0.0896                       | 0.0184  | 3.71 | \$ 1,763.69 | 4,784.1652 | -             | -  | \$ -      | \$ -      |
| August                        | -                | -             | -               | 50.5414    | 0.1001                       |         |      |             |            | -             | -  | \$ -      | \$ -      |
| September                     | -                | -             | -               | 66.2728    | 0.1525                       |         |      |             |            | -             | -  | \$ -      | \$ -      |
| October                       | -                | -             | -               | 122.1696   | 0.2813                       |         |      |             |            | -             | -  | \$ -      | \$ -      |
| November                      | -                | -             | -               | 134.2192   | 0.2665                       |         |      |             |            | -             | -  | \$ -      | \$ -      |
| December                      | -                | -             | -               | 2,609.0732 | 4.9066                       |         |      |             |            | -             | -  | \$ -      | \$ -      |
| January                       | -                | -             | -               | 3,473.6320 | 6.0673                       |         |      |             |            | -             | -  | \$ -      | \$ -      |
| February                      | -                | -             | -               | 2,392.8498 | 4.6326                       |         |      |             |            | -             | -  | \$ -      | \$ -      |
| March                         | -                | 1             | 1               | 2,642.8790 | 5.1505                       |         |      |             |            | 2,643         | 5  | \$ 48.71  | \$ 478.42 |
| April                         | -                | -             | 1               | 2,071.8619 | 4.4425                       |         |      |             |            | 2,072         | 4  | \$ 38.19  | \$ -      |
| May                           | -                | -             | 1               | 1,678.2416 | 3.6923                       |         |      |             |            | 1,678         | 4  | \$ 30.93  | \$ -      |
| June                          | -                | -             | 1               | 1,558.0803 | 3.1965                       |         |      |             |            | 1,558         | 3  | \$ 28.72  | \$ -      |
|                               |                  |               |                 |            |                              |         |      |             |            |               |    | \$ 146.55 | \$ 478.42 |

|                               | 2010 Incremental |               | 2010 Cumulative |          | 2010 Impacts per participant |         |      | 2010      |            | Total Impacts |    |          |           |
|-------------------------------|------------------|---------------|-----------------|----------|------------------------------|---------|------|-----------|------------|---------------|----|----------|-----------|
|                               | 11               | Participation | Participation   | kwh      | kw                           | LR Rate | UCT  | Cost/Part | SS Rate    | kwh           | kw | LR       | SS        |
| Cumulative from prior year(s) |                  |               |                 |          |                              |         |      |           |            |               |    |          |           |
| July                          | -                | -             | -               | 262.5554 | 0.4983                       | 0.0184  | 3.89 | \$ 380.69 | 1,099.1558 | -             | -  | \$ -     | \$ -      |
| August                        | -                | -             | -               | 279.2550 | 0.5530                       |         |      |           |            | -             | -  | \$ -     | \$ -      |
| September                     | -                | -             | -               | 418.2133 | 0.9621                       |         |      |           |            | -             | -  | \$ -     | \$ -      |
| October                       | -                | -             | -               | 353.4047 | 0.8137                       |         |      |           |            | -             | -  | \$ -     | \$ -      |
| November                      | -                | -             | -               | 290.2603 | 0.5764                       |         |      |           |            | -             | -  | \$ -     | \$ -      |
| December                      | -                | -             | -               | 295.3107 | 0.5554                       |         |      |           |            | -             | -  | \$ -     | \$ -      |
| January                       | -                | -             | -               | 311.9234 | 0.5448                       |         |      |           |            | -             | -  | \$ -     | \$ -      |
| February                      | -                | -             | -               | 251.4561 | 0.4868                       |         |      |           |            | -             | -  | \$ -     | \$ -      |
| March                         | -                | 1             | 1               | 283.6108 | 0.5527                       |         |      |           |            | 284           | 1  | \$ 5.23  | \$ 109.92 |
| April                         | -                | -             | 1               | 301.7647 | 0.6470                       |         |      |           |            | 302           | 1  | \$ 5.56  | \$ -      |
| May                           | -                | -             | 1               | 355.3510 | 0.7818                       |         |      |           |            | 355           | 1  | \$ 6.55  | \$ -      |
| June                          | -                | -             | 1               | 369.3445 | 0.7577                       |         |      |           |            | 369           | 1  | \$ 6.81  | \$ -      |
|                               |                  |               |                 |          |                              |         |      |           |            |               |    | \$ 24.15 | \$ 109.92 |

|                               | 2010 Incremental |               | 2010 Cumulative |             | 2010 Impacts per participant |         |       | 2010        |             | Total Impacts           |    |           |             |
|-------------------------------|------------------|---------------|-----------------|-------------|------------------------------|---------|-------|-------------|-------------|-------------------------|----|-----------|-------------|
|                               | 12               | Participation | Participation   | kwh         | kw                           | LR Rate | UCT   | Cost/Part   | SS Rate     | kwh                     | kw | LR        | SS          |
| Cumulative from prior year(s) |                  |               |                 |             |                              |         |       |             |             |                         |    |           |             |
| July                          | -                | -             | -               | 23,367.9716 | 44.3510                      | 0.0184  | 50.77 | \$ 1,597.31 | 79,499.5637 | -                       | -  | \$ -      | \$ -        |
| August                        | -                | -             | -               | 24,156.7789 | 47.8390                      | -       | -     | -           | -           | -                       | -  | \$ -      | \$ -        |
| September                     | -                | -             | -               | 21,336.1251 | 49.0835                      | -       | -     | -           | -           | -                       | -  | \$ -      | \$ -        |
| October                       | -                | -             | -               | 19,928.8384 | 45.8840                      | -       | -     | -           | -           | -                       | -  | \$ -      | \$ -        |
| November                      | -                | -             | -               | -           | -                            | -       | -     | -           | -           | -                       | -  | \$ -      | \$ -        |
| December                      | -                | -             | -               | -           | -                            | -       | -     | -           | -           | -                       | -  | \$ -      | \$ -        |
| January                       | -                | -             | -               | -           | -                            | -       | -     | -           | -           | -                       | -  | \$ -      | \$ -        |
| February                      | -                | -             | -               | -           | -                            | -       | -     | -           | -           | -                       | -  | \$ -      | \$ -        |
| March                         | -                | 1             | 1               | 20,469.3942 | 39.8909                      | -       | -     | -           | -           | 20,469                  | 40 | \$ 377.29 | \$ 7,949.96 |
| April                         | -                | -             | 1               | 19,205.3201 | 41.1799                      | -       | -     | -           | -           | 19,205                  | 41 | \$ 353.99 | \$ -        |
| May                           | -                | -             | 1               | 20,928.9510 | 46.0453                      | -       | -     | -           | -           | 20,929                  | 46 | \$ 385.76 | \$ -        |
| June                          | -                | -             | 1               | 21,474.5707 | 44.0563                      | -       | -     | -           | -           | 21,475                  | 44 | \$ 395.82 | \$ -        |
|                               |                  |               |                 |             |                              |         |       |             |             | \$ 1,512.87 \$ 7,949.96 |    |           |             |

|                               | 2010 Incremental |               | 2010 Cumulative |             | 2010 Impacts per participant |         |      | 2010         |              | Total Impacts            |    |           |              |
|-------------------------------|------------------|---------------|-----------------|-------------|------------------------------|---------|------|--------------|--------------|--------------------------|----|-----------|--------------|
|                               | 13               | Participation | Participation   | kwh         | kw                           | LR Rate | UCT  | Cost/Part    | SS Rate      | kwh                      | kw | LR        | SS           |
| Cumulative from prior year(s) |                  |               |                 |             |                              |         |      |              |              |                          |    |           |              |
| July                          | -                | -             | -               | 24,224.9142 | 29.0195                      | 0.0184  | 3.66 | \$ 57,649.43 | 153,580.7892 | -                        | -  | \$ -      | \$ -         |
| August                        | -                | -             | -               | 21,590.5192 | 29.0195                      | -       | -    | -            | -            | -                        | -  | \$ -      | \$ -         |
| September                     | -                | -             | -               | 20,894.0508 | 29.0195                      | -       | -    | -            | -            | -                        | -  | \$ -      | \$ -         |
| October                       | -                | -             | -               | 21,590.5192 | 29.0195                      | -       | -    | -            | -            | -                        | -  | \$ -      | \$ -         |
| November                      | -                | -             | -               | 20,894.0508 | 29.0195                      | -       | -    | -            | -            | -                        | -  | \$ -      | \$ -         |
| December                      | -                | -             | -               | 21,590.5192 | 29.0195                      | -       | -    | -            | -            | -                        | -  | \$ -      | \$ -         |
| January                       | -                | -             | -               | 21,590.5192 | 29.0195                      | -       | -    | -            | -            | -                        | -  | \$ -      | \$ -         |
| February                      | -                | -             | -               | 19,691.0600 | 29.0195                      | -       | -    | -            | -            | -                        | -  | \$ -      | \$ -         |
| March                         | -                | 1             | 1               | 21,590.5192 | 29.0195                      | -       | -    | -            | -            | 21,591                   | 29 | \$ 397.96 | \$ 15,358.08 |
| April                         | -                | -             | 1               | 20,894.0508 | 29.0195                      | -       | -    | -            | -            | 20,894                   | 29 | \$ 385.12 | \$ -         |
| May                           | -                | -             | 1               | 21,590.5192 | 29.0195                      | -       | -    | -            | -            | 21,591                   | 29 | \$ 397.96 | \$ -         |
| June                          | -                | -             | 1               | 20,894.0508 | 29.0195                      | -       | -    | -            | -            | 20,894                   | 29 | \$ 385.12 | \$ -         |
|                               |                  |               |                 |             |                              |         |      |              |              | \$ 1,566.15 \$ 15,358.08 |    |           |              |

|                               | 2010 Incremental |               | 2010 Cumulative |             | 2010 Impacts per participant |         |      | 2010         |             | Total Impacts           |    |           |             |
|-------------------------------|------------------|---------------|-----------------|-------------|------------------------------|---------|------|--------------|-------------|-------------------------|----|-----------|-------------|
|                               | 14               | Participation | Participation   | kwh         | kw                           | LR Rate | UCT  | Cost/Part    | SS Rate     | kwh                     | kw | LR        | SS          |
| Cumulative from prior year(s) |                  |               |                 |             |                              |         |      |              |             |                         |    |           |             |
| July                          | -                | -             | -               | 32,335.7138 | -                            | 0.0184  | 3.99 | \$ 27,529.57 | 82,300.2056 | -                       | -  | \$ -      | \$ -        |
| August                        | -                | -             | -               | 32,335.7138 | -                            | -       | -    | -            | -           | -                       | -  | \$ -      | \$ -        |
| September                     | -                | -             | -               | 31,292.6262 | -                            | -       | -    | -            | -           | -                       | -  | \$ -      | \$ -        |
| October                       | -                | -             | -               | 32,335.7138 | -                            | -       | -    | -            | -           | -                       | -  | \$ -      | \$ -        |
| November                      | -                | -             | -               | 31,292.6262 | -                            | -       | -    | -            | -           | -                       | -  | \$ -      | \$ -        |
| December                      | -                | -             | -               | 32,335.7138 | -                            | -       | -    | -            | -           | -                       | -  | \$ -      | \$ -        |
| January                       | -                | -             | -               | 32,335.7138 | 23.7065                      | -       | -    | -            | -           | -                       | -  | \$ -      | \$ -        |
| February                      | -                | -             | -               | 29,490.9296 | -                            | -       | -    | -            | -           | -                       | -  | \$ -      | \$ -        |
| March                         | -                | 1             | 1               | 32,335.7138 | -                            | -       | -    | -            | -           | 32,335.7138             | -  | \$ 596.01 | \$ 8,230.02 |
| April                         | -                | -             | 1               | 31,292.6262 | -                            | -       | -    | -            | -           | 31,292.6262             | -  | \$ 576.79 | \$ -        |
| May                           | -                | -             | 1               | 32,335.7138 | -                            | -       | -    | -            | -           | 32,335.7138             | -  | \$ 596.01 | \$ -        |
| June                          | -                | -             | 1               | 31,292.6262 | -                            | -       | -    | -            | -           | 31,292.6262             | -  | \$ 576.79 | \$ -        |
|                               |                  |               |                 |             |                              |         |      |              |             | \$ 2,345.60 \$ 8,230.02 |    |           |             |

|                               | 2010 Incremental |               | 2010 Cumulative |            | 2010 Impacts per participant |         |      | 2010        |             | Total Impacts         |    |          |             |
|-------------------------------|------------------|---------------|-----------------|------------|------------------------------|---------|------|-------------|-------------|-----------------------|----|----------|-------------|
|                               | 15               | Participation | Participation   | kwh        | kw                           | LR Rate | UCT  | Cost/Part   | SS Rate     | kwh                   | kw | LR       | SS          |
| Cumulative from prior year(s) |                  |               |                 |            |                              |         |      |             |             |                       |    |          |             |
| July                          | -                | -             | -               | 1,903.3912 | 3.6125                       | 0.0184  | 3.88 | \$ 4,823.86 | 13,891.9547 | -                     | -  | \$ -     | \$ -        |
| August                        | -                | -             | -               | 2,326.3670 | 4.6070                       | -       | -    | -           | -           | -                     | -  | \$ -     | \$ -        |
| September                     | -                | -             | -               | 5,005.2139 | 11.5144                      | -       | -    | -           | -           | -                     | -  | \$ -     | \$ -        |
| October                       | -                | -             | -               | 4,511.7421 | 10.3878                      | -       | -    | -           | -           | -                     | -  | \$ -     | \$ -        |
| November                      | -                | -             | -               | 5,146.2058 | 10.2199                      | -       | -    | -           | -           | -                     | -  | \$ -     | \$ -        |
| December                      | -                | -             | -               | 5,075.7098 | 9.5454                       | -       | -    | -           | -           | -                     | -  | \$ -     | \$ -        |
| January                       | -                | -             | -               | 5,075.7098 | 8.8656                       | -       | -    | -           | -           | -                     | -  | \$ -     | \$ -        |
| February                      | -                | -             | -               | 4,300.2542 | 8.3253                       | -       | -    | -           | -           | -                     | -  | \$ -     | \$ -        |
| March                         | -                | 1             | 1               | 5,146.2058 | 10.0290                      | -       | -    | -           | -           | 5,146                 | 10 | \$ 94.85 | \$ 1,389.20 |
| April                         | -                | -             | 1               | 4,511.7421 | 9.6741                       | -       | -    | -           | -           | 4,512                 | 10 | \$ 83.16 | \$ -        |
| May                           | -                | -             | 1               | 4,793.7260 | 10.5466                      | -       | -    | -           | -           | 4,794                 | 11 | \$ 88.36 | \$ -        |
| June                          | -                | -             | 1               | 3,806.7824 | 7.8098                       | -       | -    | -           | -           | 3,807                 | 8  | \$ 70.17 | \$ -        |
|                               |                  |               |                 |            |                              |         |      |             |             | \$ 336.54 \$ 1,389.20 |    |          |             |

| Cumulative from prior year(s) | 2010 Incremental | 2010 Cumulative | 2010 Impacts per participant |        |         | 2010 |           | Total Impacts |             |    |    |        |             |
|-------------------------------|------------------|-----------------|------------------------------|--------|---------|------|-----------|---------------|-------------|----|----|--------|-------------|
|                               | 16 Participation | Participation   | kwh                          | kw     | LR Rate | UCT  | Cost/Part | SS Rate       | kwh         | kw | LR | SS     |             |
| July                          | -                | -               | 2,741.4128                   | 3.5351 | 0.0184  |      | 3.76 \$   | 6,611.51      | 18,265.5048 | -  | -  | \$ -   | \$ -        |
| August                        | -                | -               | 2,630.1264                   | 3.5351 |         |      |           |               |             | -  | -  | \$ -   | \$ -        |
| September                     | -                | -               | 2,545.2836                   | 3.5351 |         |      |           |               |             | -  | -  | \$ -   | \$ -        |
| October                       | -                | -               | 2,630.1264                   | 3.5351 |         |      |           |               |             | -  | -  | \$ -   | \$ -        |
| November                      | -                | -               | 2,545.2836                   | 3.5351 |         |      |           |               |             | -  | -  | \$ -   | \$ -        |
| December                      | -                | -               | 2,630.1264                   | 3.5351 |         |      |           |               |             | -  | -  | \$ -   | \$ -        |
| January                       | -                | -               | 2,630.1264                   | 3.5351 |         |      |           |               |             | -  | -  | \$ -   | \$ -        |
| February                      | -                | -               | 2,398.7370                   | 3.5351 |         |      |           |               |             | -  | -  | \$ -   | \$ -        |
| March                         | 1                | 1               | 2,630.1264                   | 3.5351 |         |      |           |               | 2,630       | 4  | \$ | 48.48  | \$ 1,826.55 |
| April                         | -                | 1               | 2,545.2836                   | 3.5351 |         |      |           |               | 2,545       | 4  | \$ | 46.91  | \$ -        |
| May                           | -                | 1               | 2,630.1264                   | 3.5351 |         |      |           |               | 2,630       | 4  | \$ | 48.48  | \$ -        |
| June                          | -                | 1               | 2,545.2836                   | 3.5351 |         |      |           |               | 2,545       | 4  | \$ | 46.91  | \$ -        |
|                               |                  |                 |                              |        |         |      |           |               |             |    | \$ | 190.79 | \$ 1,826.55 |

| Cumulative from prior year(s) | 2010 Incremental | 2010 Cumulative | 2010 Impacts per participant |         |         | 2010 |           | Total Impacts |            |    |    |        |           |
|-------------------------------|------------------|-----------------|------------------------------|---------|---------|------|-----------|---------------|------------|----|----|--------|-----------|
|                               | 17 Participation | Participation   | kwh                          | kw      | LR Rate | UCT  | Cost/Part | SS Rate       | kwh        | kw | LR | SS     |           |
| July                          | -                | -               | -                            | -       | 0.0184  |      | 4.06 \$   | 364.72        | 1,114.3156 | -  | -  | \$ -   | \$ -      |
| August                        | -                | -               | -                            | -       |         |      |           |               |            | -  | -  | \$ -   | \$ -      |
| September                     | -                | -               | -                            | 10.2600 |         |      |           |               |            | -  | -  | \$ -   | \$ -      |
| October                       | -                | -               | -                            | 10.2600 |         |      |           |               |            | -  | -  | \$ -   | \$ -      |
| November                      | -                | -               | -                            | 10.2600 |         |      |           |               |            | -  | -  | \$ -   | \$ -      |
| December                      | -                | -               | 0.0000                       | 10.2600 |         |      |           |               |            | -  | -  | \$ -   | \$ -      |
| January                       | -                | -               | -                            | 5.2855  |         |      |           |               |            | -  | -  | \$ -   | \$ -      |
| February                      | -                | -               | (0.0000)                     | 10.2600 |         |      |           |               |            | -  | -  | \$ -   | \$ -      |
| March                         | 1                | 1               | -                            | 10.2600 |         |      |           |               |            | -  | 10 | \$     | 111.43    |
| April                         | -                | 1               | (0.0000)                     | 10.2600 |         |      |           |               | (0)        | 10 | \$ | (0.00) | \$ -      |
| May                           | -                | 1               | -                            | 10.2600 |         |      |           |               |            | -  | 10 | \$     | -         |
| June                          | -                | 1               | -                            | -       |         |      |           |               |            | -  | -  | \$ -   | \$ -      |
|                               |                  |                 |                              |         |         |      |           |               |            |    | \$ | (0.00) | \$ 111.43 |

| Cumulative from prior year(s) | 2010 Incremental | 2010 Cumulative | 2010 Impacts per participant |         |         | 2010 |           | Total Impacts |             |    |    |        |             |
|-------------------------------|------------------|-----------------|------------------------------|---------|---------|------|-----------|---------------|-------------|----|----|--------|-------------|
|                               | 18 Participation | Participation   | kwh                          | kw      | LR Rate | UCT  | Cost/Part | SS Rate       | kwh         | kw | LR | SS     |             |
| July                          | -                | -               | 439.4588                     | 0.8341  | 0.0184  |      | 3.57 \$   | 5,364.29      | 13,801.1719 | -  | -  | \$ -   | \$ -        |
| August                        | -                | -               | 634.7739                     | 1.2571  |         |      |           |               |             | -  | -  | \$ -   | \$ -        |
| September                     | -                | -               | 830.0889                     | 1.9096  |         |      |           |               |             | -  | -  | \$ -   | \$ -        |
| October                       | -                | -               | 659.1882                     | 1.5177  |         |      |           |               |             | -  | -  | \$ -   | \$ -        |
| November                      | -                | -               | 756.8458                     | 1.5030  |         |      |           |               |             | -  | -  | \$ -   | \$ -        |
| December                      | -                | -               | 6,396.5673                   | 12.0294 |         |      |           |               |             | -  | -  | \$ -   | \$ -        |
| January                       | -                | -               | 14,599.7987                  | 25.5010 |         |      |           |               |             | -  | -  | \$ -   | \$ -        |
| February                      | -                | -               | 8,545.0327                   | 16.5432 |         |      |           |               |             | -  | -  | \$ -   | \$ -        |
| March                         | 1                | 1               | 5,835.0366                   | 11.3713 |         |      |           |               | 5,835       | 11 | \$ | 107.55 | \$ 1,380.12 |
| April                         | -                | 1               | 1,025.4039                   | 2.1987  |         |      |           |               | 1,025       | 2  | \$ | 18.90  | \$ -        |
| May                           | -                | 1               | 610.3595                     | 1.3428  |         |      |           |               | 610         | 1  | \$ | 11.25  | \$ -        |
| June                          | -                | 1               | 756.8458                     | 1.5527  |         |      |           |               | 757         | 2  | \$ | 13.95  | \$ -        |
|                               |                  |                 |                              |         |         |      |           |               |             |    | \$ | 151.65 | \$ 1,380.12 |

|                               | 2010 Incremental |               | 2010 Cumulative |            | 2010 Impacts per participant |         |      | 2010        |            | Total Impacts |    |           |           |
|-------------------------------|------------------|---------------|-----------------|------------|------------------------------|---------|------|-------------|------------|---------------|----|-----------|-----------|
|                               | 19               | Participation | Participation   | kwh        | kw                           | LR Rate | UCT  | Cost/Part   | SS Rate    | kwh           | kw | LR        | SS        |
| Cumulative from prior year(s) |                  |               |                 |            |                              |         |      |             |            |               |    |           |           |
| July                          | -                | -             | -               | 1,298,0149 | 2,4636                       | 0.0184  | 3.87 | \$ 1,731.75 | 4,978,3512 | -             | -  | \$ -      | \$ -      |
| August                        | -                | -             | -               | 1,091,3893 | 2,1613                       |         |      |             |            | -             | -  | \$ -      | \$ -      |
| September                     | -                | -             | -               | 1,493,9830 | 3,4369                       |         |      |             |            | -             | -  | \$ -      | \$ -      |
| October                       | -                | -             | -               | 1,276,9429 | 2,9400                       |         |      |             |            | -             | -  | \$ -      | \$ -      |
| November                      | -                | -             | -               | 1,177,9212 | 2,3392                       |         |      |             |            | -             | -  | \$ -      | \$ -      |
| December                      | -                | -             | -               | 1,276,3446 | 2,4003                       |         |      |             |            | -             | -  | \$ -      | \$ -      |
| January                       | -                | -             | -               | 1,268,4355 | 2,2155                       |         |      |             |            | -             | -  | \$ -      | \$ -      |
| February                      | -                | -             | -               | 1,118,8559 | 2,1661                       |         |      |             |            | -             | -  | \$ -      | \$ -      |
| March                         | -                | 1             | 1               | 1,331,2590 | 2,5944                       |         |      |             |            | 1,331         | 3  | \$ 24.54  | \$ 497.84 |
| April                         | -                | -             | 1               | 1,160,7382 | 2,4888                       |         |      |             |            | 1,161         | 2  | \$ 21.39  | \$ -      |
| May                           | -                | -             | 1               | 2,808,1338 | 6,1781                       |         |      |             |            | 2,808         | 6  | \$ 51.76  | \$ -      |
| June                          | -                | -             | 1               | 1,458,8318 | 2,9929                       |         |      |             |            | 1,459         | 3  | \$ 26.89  | \$ -      |
|                               |                  |               |                 |            |                              |         |      |             |            |               |    | \$ 124.58 | \$ 497.84 |

|                               | 2010 Incremental |               | 2010 Cumulative |        | 2010 Impacts per participant |         |      | 2010      |          | Total Impacts |    |         |          |
|-------------------------------|------------------|---------------|-----------------|--------|------------------------------|---------|------|-----------|----------|---------------|----|---------|----------|
|                               | 20               | Participation | Participation   | kwh    | kw                           | LR Rate | UCT  | Cost/Part | SS Rate  | kwh           | kw | LR      | SS       |
| Cumulative from prior year(s) |                  |               |                 |        |                              |         |      |           |          |               |    |         |          |
| July                          | -                | -             | -               | -      | -                            | 0.0184  | 4.06 | \$ 320.79 | 980.2100 | -             | -  | \$ -    | \$ -     |
| August                        | -                | -             | -               | -      | -                            |         |      |           |          | -             | -  | \$ -    | \$ -     |
| September                     | -                | -             | -               | -      | 9,0250                       |         |      |           |          | -             | -  | \$ -    | \$ -     |
| October                       | -                | -             | -               | -      | 9,0250                       |         |      |           |          | -             | -  | \$ -    | \$ -     |
| November                      | -                | -             | -               | -      | 9,0250                       |         |      |           |          | -             | -  | \$ -    | \$ -     |
| December                      | -                | -             | -               | -      | 9,0250                       |         |      |           |          | -             | -  | \$ -    | \$ -     |
| January                       | -                | -             | -               | -      | 4,6492                       |         |      |           |          | -             | -  | \$ -    | \$ -     |
| February                      | -                | -             | -               | -      | 9,0250                       |         |      |           |          | -             | -  | \$ -    | \$ -     |
| March                         | -                | 1             | 1               | -      | 9,0250                       |         |      |           |          | -             | 9  | \$ -    | \$ 98.02 |
| April                         | -                | -             | 1               | 0.0000 | 9,0250                       |         |      |           |          | 0             | 9  | \$ 0.00 | \$ -     |
| May                           | -                | -             | 1               | -      | 9,0250                       |         |      |           |          | -             | 9  | \$ -    | \$ -     |
| June                          | -                | -             | 1               | -      | -                            |         |      |           |          | -             | -  | \$ -    | \$ -     |
|                               |                  |               |                 |        |                              |         |      |           |          |               |    | \$ 0.00 | \$ 98.02 |

|                               | 2010 Incremental |               | 2010 Cumulative |            | 2010 Impacts per participant |         |      | 2010        |            | Total Impacts |    |          |           |
|-------------------------------|------------------|---------------|-----------------|------------|------------------------------|---------|------|-------------|------------|---------------|----|----------|-----------|
|                               | 21               | Participation | Participation   | kwh        | kw                           | LR Rate | UCT  | Cost/Part   | SS Rate    | kwh           | kw | LR       | SS        |
| Cumulative from prior year(s) |                  |               |                 |            |                              |         |      |             |            |               |    |          |           |
| July                          | -                | -             | -               | 640,1387   | 1,2149                       | 0.0184  | 3.83 | \$ 1,416.28 | 4,008,4998 | -             | -  | \$ -     | \$ -      |
| August                        | -                | -             | -               | 656,1329   | 1,2994                       |         |      |             |            | -             | -  | \$ -     | \$ -      |
| September                     | -                | -             | -               | 1,130,3413 | 2,6003                       |         |      |             |            | -             | -  | \$ -     | \$ -      |
| October                       | -                | -             | -               | 1,017,9115 | 2,3436                       |         |      |             |            | -             | -  | \$ -     | \$ -      |
| November                      | -                | -             | -               | 1,045,5573 | 2,0764                       |         |      |             |            | -             | -  | \$ -     | \$ -      |
| December                      | -                | -             | -               | 1,467,9103 | 2,7606                       |         |      |             |            | -             | -  | \$ -     | \$ -      |
| January                       | -                | -             | -               | 1,864,2628 | 3,2562                       |         |      |             |            | -             | -  | \$ -     | \$ -      |
| February                      | -                | -             | -               | 1,856,1594 | 3,5935                       |         |      |             |            | -             | -  | \$ -     | \$ -      |
| March                         | -                | 1             | 1               | 1,343,4037 | 2,6180                       |         |      |             |            | 1,343         | 3  | \$ 24.76 | \$ 400.85 |
| April                         | -                | -             | 1               | 999,0744   | 2,1422                       |         |      |             |            | 999           | 2  | \$ 18.41 | \$ -      |
| May                           | -                | -             | 1               | 981,3789   | 2,1591                       |         |      |             |            | 981           | 2  | \$ 18.09 | \$ -      |
| June                          | -                | -             | 1               | 855,8538   | 1,7558                       |         |      |             |            | 856           | 2  | \$ 15.78 | \$ -      |
|                               |                  |               |                 |            |                              |         |      |             |            |               |    | \$ 77.04 | \$ 400.85 |

|                               | 2010 Incremental |               | 2010 Cumulative |          | 2010 Impacts per participant |         |      | 2010        |             | Total Impacts |    |           |             |
|-------------------------------|------------------|---------------|-----------------|----------|------------------------------|---------|------|-------------|-------------|---------------|----|-----------|-------------|
|                               | 22               | Participation | Participation   | kwh      | kw                           | LR Rate | UCT  | Cost/Part   | SS Rate     | kwh           | kw | LR        | SS          |
| Cumulative from prior year(s) |                  |               |                 |          |                              |         |      |             |             |               |    |           |             |
| July                          | -                | -             | -               | -        | 28,5000                      | 0.0184  | 3.57 | \$ 8,621.46 | 22,171,7100 | -             | -  | \$ -      | \$ -        |
| August                        | -                | -             | -               | -        | 28,5000                      |         |      |             |             | -             | -  | \$ -      | \$ -        |
| September                     | -                | -             | -               | -        | 28,5000                      |         |      |             |             | -             | -  | \$ -      | \$ -        |
| October                       | -                | -             | -               | -        | 28,5000                      |         |      |             |             | -             | -  | \$ -      | \$ -        |
| November                      | -                | -             | -               | -        | 28,5000                      |         |      |             |             | -             | -  | \$ -      | \$ -        |
| December                      | -                | -             | -               | -        | 28,5000                      |         |      |             |             | -             | -  | \$ -      | \$ -        |
| January                       | -                | -             | -               | -        | 14,6818                      |         |      |             |             | -             | -  | \$ -      | \$ -        |
| February                      | -                | -             | -               | -        | 28,5000                      |         |      |             |             | -             | -  | \$ -      | \$ -        |
| March                         | -                | 1             | 1               | -        | 28,5000                      |         |      |             |             | -             | 29 | \$ -      | \$ 2,217.17 |
| April                         | -                | -             | 1               | -        | 28,5000                      |         |      |             |             | -             | 29 | \$ -      | \$ -        |
| May                           | -                | -             | 1               | (0.0000) | 28,5000                      |         |      |             |             | (0)           | 29 | \$ (0.00) | \$ -        |
| June                          | -                | -             | 1               | -        | 28,5000                      |         |      |             |             | -             | 29 | \$ -      | \$ -        |
|                               |                  |               |                 |          |                              |         |      |             |             |               |    | \$ (0.00) | \$ 2,217.17 |

| Cumulative from prior year(s) | 2010 Incremental | 2010 Cumulative | 2010 Impacts per participant |        |         | UCT     | 2010      |            |     | Total Impacts |          |           |   |
|-------------------------------|------------------|-----------------|------------------------------|--------|---------|---------|-----------|------------|-----|---------------|----------|-----------|---|
|                               | 23 Participation | Participation   | kwh                          | kw     | LR Rate |         | Cost/Part | SS Rate    | kwh | kw            | LR       | SS        |   |
| July                          | -                | -               | 534 5774                     | 1 0146 | 0.0184  | 3 86 \$ | 1,051 56  | 3,003 3077 | -   | -             | \$ -     | \$ -      | - |
| August                        | -                | -               | 641.4929                     | 1.2704 |         |         |           |            | -   | -             | \$ -     | \$ -      | - |
| September                     | -                | -               | 1,107 7632                   | 2.5484 |         |         |           |            | -   | -             | \$ -     | \$ -      | - |
| October                       | -                | -               | 902 8418                     | 2.0787 |         |         |           |            | -   | -             | \$ -     | \$ -      | - |
| November                      | -                | -               | 798.8962                     | 1.5865 |         |         |           |            | -   | -             | \$ -     | \$ -      | - |
| December                      | -                | -               | 925 8163                     | 1.7411 |         |         |           |            | -   | -             | \$ -     | \$ -      | - |
| January                       | -                | -               | 1,241.4075                   | 2.1683 |         |         |           |            | -   | -             | \$ -     | \$ -      | - |
| February                      | -                | -               | 769.1975                     | 1.4892 |         |         |           |            | -   | -             | \$ -     | \$ -      | - |
| March                         | 1                | 1               | 896 9021                     | 1.7479 |         |         |           |            | 897 | 2 \$          | 16.53 \$ | 300.33    | - |
| April                         | -                | 1               | 775 1372                     | 1.6620 |         |         |           |            | 775 | 2 \$          | 14.29 \$ | -         | - |
| May                           | -                | 1               | 972 6339                     | 2.1399 |         |         |           |            | 973 | 2 \$          | 17.93 \$ | -         | - |
| June                          | -                | 1               | 972.6339                     | 1.9954 |         |         |           |            | 973 | 2 \$          | 17.93 \$ | -         | - |
|                               |                  |                 |                              |        |         |         |           |            |     |               | \$ 66.67 | \$ 300.33 |   |

| Cumulative from prior year(s) | 2010 Incremental | 2010 Cumulative | 2010 Impacts per participant |        |         | UCT     | 2010      |            |       | Total Impacts |          |           |   |
|-------------------------------|------------------|-----------------|------------------------------|--------|---------|---------|-----------|------------|-------|---------------|----------|-----------|---|
|                               | 24 Participation | Participation   | kwh                          | kw     | LR Rate |         | Cost/Part | SS Rate    | kwh   | kw            | LR       | SS        |   |
| July                          | -                | -               | 762 9558                     | 1.4480 | 0.0184  | 3 83 \$ | 3,197 27  | 9,062 5448 | -     | -             | \$ -     | \$ -      | - |
| August                        | -                | -               | 915.5469                     | 1.8131 |         |         |           |            | -     | -             | \$ -     | \$ -      | - |
| September                     | -                | -               | 1,581.0139                   | 3.6371 |         |         |           |            | -     | -             | \$ -     | \$ -      | - |
| October                       | -                | -               | 1,288.5475                   | 2.9667 |         |         |           |            | -     | -             | \$ -     | \$ -      | - |
| November                      | -                | -               | 1,140.1950                   | 2.2643 |         |         |           |            | -     | -             | \$ -     | \$ -      | - |
| December                      | -                | -               | 1,321 3369                   | 2.4849 |         |         |           |            | -     | -             | \$ -     | \$ -      | - |
| January                       | -                | -               | 1,771.7529                   | 3.0947 |         |         |           |            | -     | -             | \$ -     | \$ -      | - |
| February                      | -                | -               | 1,097.8086                   | 2.1254 |         |         |           |            | -     | -             | \$ -     | \$ -      | - |
| March                         | 1                | 1               | 1,280.0702                   | 2.4946 |         |         |           |            | 1,280 | 2 \$          | 23.59 \$ | 906.25    | - |
| April                         | -                | 1               | 1,106.2859                   | 2.3721 |         |         |           |            | 1,106 | 2 \$          | 20.39 \$ | -         | - |
| May                           | -                | 1               | 1,388.1557                   | 3.0540 |         |         |           |            | 1,388 | 3 \$          | 25.59 \$ | -         | - |
| June                          | -                | 1               | 1,388.1557                   | 2.8479 |         |         |           |            | 1,388 | 3 \$          | 25.59 \$ | -         | - |
|                               |                  |                 |                              |        |         |         |           |            |       |               | \$ 95.16 | \$ 906.25 |   |

| Cumulative from prior year(s) | 2010 Incremental | 2010 Cumulative | 2010 Impacts per participant |         |         | UCT     | 2010      |            |     | Total Impacts |         |           |        |
|-------------------------------|------------------|-----------------|------------------------------|---------|---------|---------|-----------|------------|-----|---------------|---------|-----------|--------|
|                               | 25 Participation | Participation   | kwh                          | kw      | LR Rate |         | Cost/Part | SS Rate    | kwh | kw            | LR      | SS        |        |
| July                          | -                | -               | -                            | -       | 0.0184  | 4.04 \$ | 372.70    | 1,133 7187 | -   | -             | \$ -    | \$ -      | -      |
| August                        | -                | -               | -                            | -       |         |         |           |            | -   | -             | \$ -    | \$ -      | -      |
| September                     | -                | -               | -                            | 10.4500 |         |         |           |            | -   | -             | \$ -    | \$ -      | -      |
| October                       | -                | -               | -                            | 10.4500 |         |         |           |            | -   | -             | \$ -    | \$ -      | -      |
| November                      | -                | -               | -                            | 10.4500 |         |         |           |            | -   | -             | \$ -    | \$ -      | -      |
| December                      | -                | -               | -                            | 10.4500 |         |         |           |            | -   | -             | \$ -    | \$ -      | -      |
| January                       | -                | -               | -                            | 5.3833  |         |         |           |            | -   | -             | \$ -    | \$ -      | -      |
| February                      | -                | -               | -                            | 10.4500 |         |         |           |            | -   | -             | \$ -    | \$ -      | -      |
| March                         | 1                | 1               | -                            | 10.4500 |         |         |           |            | -   | 10 \$         | -       | -         | 113.37 |
| April                         | -                | 1               | 0.0000                       | 10.4500 |         |         |           |            | 0   | 10 \$         | 0.00 \$ | -         | -      |
| May                           | -                | 1               | -                            | 10.4500 |         |         |           |            | -   | 10 \$         | -       | -         | -      |
| June                          | -                | 1               | -                            | -       |         |         |           |            | -   | -             | \$ -    | \$ -      | -      |
|                               |                  |                 |                              |         |         |         |           |            |     |               | \$ 0.00 | \$ 113.37 |        |

| Cumulative from prior year(s) | 2010 Incremental          | 2010 Cumulative | 2010 Impacts per participant |         |          | UCT  | 2010        |              |     | Total Impacts |      |               |   |
|-------------------------------|---------------------------|-----------------|------------------------------|---------|----------|------|-------------|--------------|-----|---------------|------|---------------|---|
|                               | PowerShare* Participation | Participation   | kwh                          | kw      | LR Rate  |      | Cost/Part   | SS Rate      | kwh | kw            | LR   | SS            |   |
| July                          | 12                        | 12              | 0                            | 1079.75 | 0.018432 | 4.75 | 29834 25917 | 111,878.4719 | 0   | 12957 \$      | -    | \$ 134,254.17 | - |
| August                        | 0                         | 12              | 0                            | 1079.75 |          |      |             |              | 0   | 12957 \$      | -    | \$ -          | - |
| September                     | 0                         | 12              | 0                            | 1079.75 |          |      |             |              | 0   | 12957 \$      | -    | \$ -          | - |
| October                       | 0                         | 12              | 0                            | 0       |          |      |             |              | 0   | 0 \$          | -    | \$ -          | - |
| November                      | 0                         | 12              | 0                            | 0       |          |      |             |              | 0   | 0 \$          | -    | \$ -          | - |
| December                      | 0                         | 12              | 0                            | 0       |          |      |             |              | 0   | 0 \$          | -    | \$ -          | - |
| January                       | 0                         | 12              | 0                            | 0       |          |      |             |              | 0   | 0 \$          | -    | \$ -          | - |
| February                      | 0                         | 12              | 0                            | 0       |          |      |             |              | 0   | 0 \$          | -    | \$ -          | - |
| March                         | 0                         | 12              | 0                            | 0       |          |      |             |              | 0   | 0 \$          | -    | \$ -          | - |
| April                         | 0                         | 12              | 0                            | 0       |          |      |             |              | 0   | 0 \$          | -    | \$ -          | - |
| May                           | 0                         | 12              | 0                            | 0       |          |      |             |              | 0   | 0 \$          | -    | \$ -          | - |
| June                          | 0                         | 12              | 0                            | 1079.75 |          |      |             |              | 0   | 12957 \$      | -    | \$ -          | - |
|                               |                           |                 |                              |         |          |      |             |              |     |               | \$ - | \$ 134,254.17 |   |





**Duke Energy Kentucky**  
**Case No. 2010-00445**  
**Staff First Set Data Requests**  
**Date Received: January 5, 2011**

**STAFF-DR-01-008**

**REQUEST:**

Refer to the Commercial Programs – High Efficiency Program on Appendix B, page 1, of the application.

- a. The actual program expenditures in Column 4 are \$719,739 and the projected program costs were \$903,772 in Column 1. Explain why the actual program costs were significantly lower than projected. Include in the explanation whether the participation rate in the programs met expectations.
- b. The actual lost revenues in Column 5 are \$815,924 or 113 percent of actual program expenditures, and the projected lost revenues were \$657,466, or 73 percent of projected program costs. Compare and explain how the projected lost revenues were determined by program and how the actual lost revenues were calculated by program.
- c. Explain how actual lost revenues exceeded actual program expenditures in the filing period and whether such an outcome is normally expected.
- d. Provide the individual program expenditures for the High Efficiency program that are omitted in Column 4.

**RESPONSE:**

- a. The projected program costs of \$903,772 are from a previous filing, Case No. 2006-00426 in which the Company received approval to expand the budget for this program due to an increase in demand for energy efficiency by customers. For the previous reconciliation (July 2008 to June 2009), approximately 95% of the budget was spent. For this filing, participation rates did not meet expectations for Smart Saver programs due to the poor economy and companies holding the line on overall expenditures including equipment replacements and upgrades.
- b. The projected lost revenues total of \$657,466 were developed in Case No. 2007-00369. This projection did not consider the full impact of recovery of lost margins for a three

year period. If the Company had included a more accurate projection of lost margins for this period, it would have been \$865,591. However, the Company had been keeping the projected number to that provided in the previous filing. For future filings, this can be updated to be closer.

c. Lost revenues for a program are accumulated for three year's worth of participants (assuming no rate case), while program expenditures reflect costs for just one year's worth of participants. This type of difference is normally expected.

d. The below numbers are also updated in Attachment STAFF-DR-001-005(b)(1), Appendix B Reconciliation 2010 – Revised.

|                         | (4)                          |         |
|-------------------------|------------------------------|---------|
|                         | Program Expenditures         |         |
| High Efficiency Program | <u>7/09 through 6/10 (B)</u> |         |
| Lighting                | \$                           | 447,428 |
| HVAC                    | \$                           | 20,978  |
| Motors                  | \$                           | 57,849  |
| Other                   | \$                           | 184,164 |

These program expenditures were utilized in the cost-effectiveness analyses reported in Appendix A. The total for costs for these programs used in the cost-effectiveness analyses will not match the total on Appendix B Reconciliation 2010 - Revised due to the timing of the payment of expenditures relative to the timing of actual customer participation. At the end of a reporting year (July to June), program participants may not be paid an incentive until the next reporting year.

**PERSON RESPONSIBLE:** Richard G. Stevie



**Duke Energy Kentucky**  
**Case No. 2010-00445**  
**Staff First Set Data Requests**  
**Date Received: January 5, 2011**

**STAFF-DR-01-009**

**REQUEST:**

Refer to the Commercial Programs – PowerShare on Appendix B, page 1, of Duke Kentucky’s application.

- a. The actual program expenditures in Column 4 are \$73,320 and the projected program costs in Column 1 were \$265,000. Since the actual program expenditures were so much less than the projected program costs, was the difference due to the fee that was charged as part of the Energy Profiler Online product? Explain the difference.
- b. Did the customers who left the PowerShare program migrate to the Call Option Program?
- c. The projected shared savings in Column 3, or 41 percent of projected program costs, were \$107,641 and the actual shared savings are \$14,077, or 19 percent of actual program expenditures. Explain how the projected shared savings were determined and how the actual shared savings were calculated.

**RESPONSE:**

- a. Please refer to Attachment STAFF-DR-001-005(b)(1), Appendix B Reconciliation 2010 – Revised, page 1 which shows the corrected value for actual program expenditures in Column 4 as \$344,772. The actual expenditures are higher than projected program costs due to increased capacity credits, reflecting 13.6 MW of curtailable CallOption load vs. 12.2 MW in the previous year, and enhancements to information systems to track participation, settlement and perform customer notifications.

The discrepancy between the original reported number and the corrected value is attributed to only reporting associated labor costs and not including the program incentives paid to customers. A revised Appendix A is included as Attachment STAFF-DR-001-009(a) for the corrected cost effectiveness scores based upon the corrected program expenditure from Attachment STAFF-DR-001-005(b)(1), Appendix B Reconciliation 2010 – Revised.

b. Customers who left the QuoteOption program primarily left PowerShare altogether, although a small number did migrate to CallOption.

C. The projected and actual shared savings calculations utilize the same formula. In the case of a demand response program with no lost revenues, the formula can be summarized as:

1. Net Benefit = NPV of Avoided Costs – NPV of Program Costs
2. Once the Net Benefit is determined, it is annualized over the useful life of the program. In this case, “annualized” is defined as the fixed annual payment stream value that would be equivalent to receiving the Net Benefit.
3. Shared Savings = Annualized Net Benefit \* Shared Savings Percentage

**PERSON RESPONSIBLE:** a,b: Rich Philip  
c: Bruce Sailors

Appendix A

Cost Effectiveness Test Results

| Program  | UCT   | TRC   | RIM  | Participant |
|--|-------|-------|------|-------------|
| Residential Conservation and Energy Education              | 1.40  | 1.40  | 0.92 | NA          |
| Refrigerator Replacement                                   | 0.95  | 0.95  | 0.53 | NA          |
| Residential Home Energy House Call                         | 0.98  | 1.19  | 0.58 | NA          |
| Residential Comprehensive Energy Education Program (NEED)  | 0.37  | 0.37  | 0.30 | NA          |
| Power Manager  | 1.95  | 2.20  | 1.95 | NA          |
| Energy Star Products                                       | 6.25  | 3.56  | 0.89 | NA          |
| Energy Efficiency Website                                  | 2.51  | 3.32  | 0.73 | NA          |
| Personal Energy Report (PER)                               | 4.19  | 8.87  | 0.83 | NA          |
| C&I High Efficiency Incentive (for Businesses and Schools) |       |       |      |             |
| Lighting   | 4.72  | 2.00  | 1.30 | 2.41        |
| HVAC   | 1.08  | 1.57  | 0.72 | 3.54        |
| Motors   | 19.57 | 10.91 | 1.63 | 12.35       |
| Other  | 1.67  | 0.90  | 0.86 | 1.44        |
| Custom Incentives for Schools                              | 4.20  | 0.41  | 1.41 | 0.43        |
| PowerShare   | 4.75  | 4.75  | 2.24 | NA          |



**STAFF-DR-01-010**

**REQUEST:**

Refer to Appendix B, page 2 of the application.

- a. The title of the exhibit is 2010 Projected Program Costs, Lost Revenues, and Shared Savings. Should the title of the exhibit be 2011 Projected Program Costs, Lost Revenues, and Shared Savings?
- b. The projected program costs for both the electric and gas residential programs for Year 2011 are \$2,871,930. The actual program expenditures for both electric and gas in this filing are \$1,949,037. This results in an approximate \$.9 million increase in residential program activity. Since the year 2011 projected program costs influence the proposed DSM factors, identify and explain the anticipated increased DSM activity by program for both electric and gas residential programs for Year 2011.

**RESPONSE:**

- a. Yes, the title should be 2011 Projected Program Costs, Lost Revenues, and Shared Savings.
- b. Duke Kentucky plans to increase 2011 spending in the existing portfolio by:
  - Evaluating and repairing existing Power Manager switches
  - Launching CFL campaigns
  - Improving contractual language for Conservation and Energy Education program
  - Conducting additional M&V studies

In addition, the new Smart Saver program added \$448,520 to the projected budget amount.

**PERSON RESPONSIBLE:** Rick Mifflin





**Duke Energy Kentucky  
Case No. 2010-00445  
Staff First Set Data Requests  
Date Received: January 5, 2011**

**STAFF-DR-01-011**

**REQUEST:**

Explain whether Duke Kentucky has considered any new DSM programs that might be implemented that would pass the California Total Resource Cost test. Include in the explanation whether Duke Kentucky is considering or has considered other DSM programs that are currently being implemented in other jurisdictions of states by other Duke Energy subsidiaries.

**RESPONSE:**

Duke Energy Kentucky continues to evaluate possible programs for inclusion in its Kentucky portfolio. The Company proposed its new Residential Smart Saver Program as part of this proceeding. In addition, Duke Energy Kentucky is evaluating the possibility of a Custom Incentive Program that would be available to Commercial and Industrial Customers. A successful custom program is currently available in Duke Energy Ohio's service territory.

**PERSON RESPONSIBLE:** Rick Mifflin







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**Duke Energy Kentucky, Inc.**  
**Case No. 2010-00445**  
**First Set Attorney General Data Requests**  
**Date Received: January 11, 2011**

**AG-DR-01-001**

**REQUEST:**

Appendix B. to the filing indicates that the company's actual expenditures for the period July, 2009 through June 10, 2010 of \$1.949 mil. were significantly less (19.57%) than the projected costs for the same time frame. The company has stated that the economic downturn was the primary factor. Given that the economy has not significantly improved since then, please explain why the company is projecting that its costs for the Residential DSM program will increase from the 2010 projected level of \$2.432 mil. to a projected level of \$2.872 mil. in 2011.

**RESPONSE:**

The Power Manager program represents the most significant difference (about \$316,000). Duke Energy Kentucky determined that that current capacity needs did not require adding more customers to the Power Manager program. Duke Energy Kentucky stopped acquiring new Power Manager customers and focused on maintaining the reliability of the existing Power Manager customer base.

Energy Star Products underspent by about \$165,000. Additional campaigns were delayed as Duke Kentucky evaluated better ways to approach the market place for CFLs. The program experienced a steady decline in campaign response rate since 2008 (3.5% in 2008 vs. .8% in fall 2009). New campaigns are planned for the current fiscal year with deeper discounts and convenient redemption locations.

The Residential Conservation and Energy Education program under spent by about \$111,000 because of contract structure (based on participation and not spending cap). The contract is being revised to reflect funds available for each fiscal year.

Development funds under spent by \$82,000 because Measurement and Verification work expenses were down in 09-10 fiscal year. M&V expenses will increase in the current year.

The Payment Plus program under spent by about \$70,000 because customer demand was less than expected. Duke Kentucky is planning additional campaigns to improve customer engagement.

In addition, the new Smart Saver program added \$448,520 to the projected budget amount.

**PERSON RESPONSIBLE:** Rick Mifflin





**Duke Energy Kentucky, Inc.**  
**Case No. 2010-00445**  
**First Set Attorney General Data Requests**  
**Date Received: January 11, 2011**

**AG-DR-01-002**

**REQUEST:**

Confirm that the company has over-collected \$1.040 mil. under the Residential DSM (electric) program during the last reporting period.

**RESPONSE:**

Yes, the company over-collected \$1.040 mil. under the Residential DSM (electric) program during the last reporting period.

**PERSON RESPONSIBLE:** Richard G. Stevie



**Duke Energy Kentucky, Inc.**  
**Case No. 2010-00445**  
**First Set Attorney General Data Requests**  
**Date Received: January 11, 2011**

**AG-DR-01-003**

**REQUEST:**

With regard to the over-collection of funds for the Residential DSM (electric) during the last reporting period:

- a. Does the \$3.676 mil. projected program costs for the 2011 Residential DSM (electric) already reflect the reduction of \$1.040 mil. ; or
- b. Will the company need to collect approximately \$2.635 mil. for the Residential Electric Rider DSM?

**RESPONSE:**

- a. No
- b. The stated number in the original filing is \$2.632 million. In preparing its responses to Discovery, the Company discovered an error in its calculation. This number has been reduced due to correcting the projected lost revenue for Residential Smart Saver from \$533,499 to \$50,150. The initial calculation of projected lost revenues included the net present value over the measure life instead of a total for the first year of the program. As such, the actual value should be \$50,150 and not \$533,499. This value has been updated in Attachment STAFF-DR-01-00(b)(1) - Appendix B Reconciliation 2010 – Revised. With this correction, the total amount to be collected will be \$2.149 million for the Residential Electric Rider DSM.

**PERSON RESPONSIBLE:** Richard G. Stevie



**Duke Energy Kentucky, Inc.**  
**Case No. 2010-00445**  
**First Set Attorney General Data Requests**  
**Date Received: January 11, 2011**

**AG-DR-01-004**

**REQUEST:**

With regard to your response to the above (AG-DR-01-003), confirm that if choice (a) is correct; this would represent an increase of approximately 199.1% over the 2010 actual spending for 2010 DSM (electric) program of \$1.229 mil. If choice (b) is correct, confirm that this would represent an increase of approximately 114.38%. Regardless of which figures are correct, please provide a detailed explanation as to why such a dramatic increase in spending for the Residential DSM (electric) is needed.

**RESPONSE:**

Reviewing the calculation, the Company discovered that gas program expenditures were inadvertently excluded from the sum of program expenditures. Including the gas expenditures, the difference is 35.06% and not 114.38%. This is based on the original Residential Electric Rider DSM amount. With the new Residential Electric Rider amount stated in AG-DR-01-003 of \$2,149,025 the difference is 10.26%. Nonetheless, the DSM revenue requirement cannot be compared to program expenditures because the DSM revenue requirement takes into account the lost revenues and shared savings in addition to program expenditures.

**PERSON RESPONSIBLE:** Richard G. Stevie



**Duke Energy Kentucky, Inc.**  
**Case No. 2010-00445**  
**First Set Attorney General Data Requests**  
**Date Received: January 11, 2011**

**AG-DR-01-005**

**REQUEST:**

Provide a detailed response as to why the company needs to increase spending on the overall Residential DSM Program by such a significant sum.

**RESPONSE:**

See response to AG-DR-01-004. Reviewing the calculation, it seems that gas program expenditures were excluded from the sum of program expenditures. Including the gas expenditures, the difference is 35.06% and not 114.38%. This is based on the original Residential Electric Rider DSM amount. With the new Residential Electric Rider amount stated in AG-DR-01-003 of \$2,149,025 the difference is 10.26%.

Duke Kentucky plans to increase 2011 spending in the existing portfolio by:

- Evaluating and repairing existing Power Manager switches
- Launching CFL campaigns
- Improving contractual language for Conservation and Energy Education program
- Conducting additional M&V studies

In addition, the new Smart Saver program added \$448,520 to the projected budget amount.

**PERSON RESPONSIBLE:** Rick Mifflin





**Duke Energy Kentucky, Inc.**  
**Case No. 2010-00445**  
**First Set Attorney General Data Requests**  
**Date Received: January 11, 2011**

**AG-DR-01-006**

**REQUEST:**

With regard to the response the company will provide to PSC 1-11, please indicate whether any DSM programs to which the company may refer in that response were ever presented to or discussed in Duke's Residential DSM Collaborative.

**RESPONSE:**

Yes, the Residential Smart Saver proposed program was discussed and voted on for inclusion in the application during the November 9, 2010 DSM Collaborative meeting. The Custom Incentives program has not been discussed at this time but will be discussed during a 2011 DSM Collaborative meeting.

**PERSON RESPONSIBLE:** Rick Mifflin



**Duke Energy Kentucky, Inc.**  
**Case No. 2010-00445**  
**First Set Attorney General Data Requests**  
**Date Received: January 11, 2011**

**AG-DR-01-007**

**REQUEST:**

With regard to the independent entities Duke retains to administer its DSM programs, please explain whether they are compensated on the basis of lost sales.

**RESPONSE:**

Duke Kentucky employs a number of vendors to support the energy efficiency programs. The compensation structure varies depending on the responsibilities contracted. In general, the agreements pay for specific trackable activities that support the requirements and goals of the programs. In most cases, the compensation isn't directly tied to lost sales. The contracts do include service levels, with a compensation at risk pool, that require vendors to achieve pre-determined goals and perform to minimum expectations in delivering the services. If the vendor fails to meet the service level obligations, they may be required to provide a bill credit to Duke Energy.

**PERSON RESPONSIBLE:** Rick Mifflin



**Duke Energy Kentucky, Inc.**  
**Case No. 2010-00445**  
**First Set Attorney General Data Requests**  
**Date Received: January 11, 2011**

**AG-DR-01-008**

**REQUEST:**

Please reference PSC 1-7(c). Appendix B, p. 1 indicates that the company's actual lost revenues for \$856,903 for the Residential DSM (electric) program constituted 70% of the actual program expenditures. In light of the fact that Duke's customers are receiving only 30% of the benefit of the total expenditures, explain in detail how the company's program is an efficient means of achieving the goal of DSM.

**RESPONSE:**

Lost revenues for a program are accumulated for three year's worth of participants (assuming no rate case), while program expenditures reflect costs for just one year's worth of participants. This type of difference is normally expected. In addition, customers are receiving the benefit of the reduction in energy consumption for the life of the measures, not just a three year period.

**PERSON RESPONSIBLE:** Richard G. Stevie