

**COMMONWEALTH OF KENTUCKY**  
**BEFORE THE PUBLIC SERVICE COMMISSION**

**In the Matter of:**

<b>THE JOINT APPLICATION OF LOUISVILLE</b>	)	
<b>GAS AND ELECTRIC COMPANY AND</b>	)	
<b>KENTUCKY UTILITIES COMPANY DEMAND-</b>	)	<b>CASE NO. 2015-00398</b>
<b>SIDE MANAGEMENT FOR THE REVIEW AND</b>	)	
<b>MODIFICATION OF THE SCHOOL ENERGY</b>	)	
<b>MANAGEMENT PROGRAM</b>	)	

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**APPLICATION**

Louisville Gas and Electric Company (“LG&E”) and Kentucky Utilities Company (“KU”) (collectively “the Companies”) hereby petition the Kentucky Public Service Commission (“Commission”) pursuant to KRS 278.285 to issue an Order approving the extension of the School Energy Management Program (“SEMP”) and the proposed tariffs filed herein that will permit recovery of the costs associated with this program. This application is made in compliance with the “Settlement Agreement, Stipulation, and Recommendation (“Settlement”) reached in Case Nos. 2014-00371<sup>1</sup> and 2014-00372<sup>2</sup>. The Companies respectfully request the Commission to issue a final order in this proceeding by April 01, 2016. In support of this Application, LG&E and KU respectfully state:

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<sup>1</sup> *Application of Kentucky Utilities Company for an Adjustment of Its Electric Rates*, Order June 30, 2015.

<sup>2</sup> *Application of Louisville Gas and Electric Company for an Adjustment of Its Electric Rates*, Order June 30, 2015.

1. The full name and mailing address of LG&E is: Louisville Gas and Electric Company, Post Office Box 32010, 220 West Main Street, Louisville, Kentucky 40202. The full name and mailing address of KU is: Kentucky Utilities Company c/o Louisville Gas and Electric Company, Post Office Box 32010, 220 West Main Street, Louisville, Kentucky 40202. Both LG&E and KU are Kentucky corporations authorized to do business in the Commonwealth of Kentucky. The Companies may be reached by electronic mail at the electronic mail addresses of its counsel set forth below.

2. LG&E is incorporated in the Commonwealth of Kentucky and LG&E attests that it is in good corporate standing. LG&E was incorporated in Kentucky on July 2, 1913. KU is incorporated in the Commonwealth of Kentucky and the Commonwealth of Virginia and KU attests that it is in good corporate standing in both states. KU was incorporated in Kentucky on August 17, 1912 and in Virginia on November 26, 1991.

3. LG&E is a public utility, as defined in KRS 278.010(3)(a), engaged in the electric and gas business. LG&E generates and purchases electricity, and distributes and sells electricity at retail in Jefferson County and portions of Bullitt, Hardin, Henry, Meade, Oldham, Shelby, Spencer, and Trimble Counties. LG&E also purchases, stores, and transports natural gas and distributes and sells natural gas at retail in Jefferson County and portions of Barren, Bullitt, Green, Hardin, Hart, Henry, Larue, Marion, Meade, Metcalfe, Nelson, Oldham, Shelby, Spencer, Trimble, and Washington Counties.

4. KU is a public utility, as defined in KRS 278.010(3)(a), engaged in the electric business. KU generates and purchases electricity and distributes and sells electricity at retail in the following counties in Central, Northern, Southeastern and Western Kentucky:

Adair	Edmonson	Jessamine	Ohio
Anderson	Estill	Knox	Oldham
Ballard	Fayette	Larue	Owen
Barren	Fleming	Laurel	Pendleton
Bath	Franklin	Lee	Pulaski
Bell	Fulton	Lincoln	Robertson
Bourbon	Gallatin	Livingston	Rockcastle
Boyle	Garrard	Lyon	Rowan
Bracken	Grant	Madison	Russell
Bullitt	Grayson	Marion	Scott
Caldwell	Green	Mason	Shelby
Campbell	Hardin	McCracken	Spencer
Carlisle	Harlan	McCreary	Taylor
Carroll	Harrison	McLean	Trimble
Casey	Hart	Mercer	Union
Christian	Henderson	Montgomery	Washington
Clark	Henry	Muhlenberg	Webster
Clay	Hickman	Nelson	Whitley
Crittenden	Hopkins	Nicholas	Woodford
Daviess			

5. Pursuant to KRS 278.380, the Companies waive any right to service of Commission orders by mail for purposes of this proceeding only.<sup>3</sup> Copies of all orders, pleadings and other communications related to this proceeding should be directed to:

Edwin "Ed" R. Staton  
Vice President, State Regulation and Rates  
LG&E and KU Services Company  
220 West Main Street  
Louisville, Kentucky 40202  
(502) 627-4830  
ed.staton@lge-ku.com

Allyson K. Sturgeon  
Senior Corporate Attorney  
LG&E and KU Services Company  
220 West Main Street  
Louisville, Kentucky 40202  
(502) 627-2088  
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<sup>3</sup> On December 1, 2015, the Company gave notice to the Commission pursuant to 807 KAR 5:001, Section 8, of its intent to file this application and its use of electronic filing procedures.

6. On October 22, 2014, the Companies filed their notice of intent to file applications for approval of increases in their electric and gas rates based on a forecasted test year ending June 30, 2016. In April 2015, the Companies and case participants in Case No. 2014-00371<sup>4</sup> and Case No. 2014-00372<sup>5</sup> respectively filed a Settlement to address the rate-related issues raised in the two cases.

7. The Commission approved the Settlement in its Orders<sup>6</sup> including the terms pertaining to demand-side management ("DSM") and energy efficiency ("EE") ("DSM/EE"). Specifically, the Settlement provides that "The School Energy Management Program ("SEMP") approved in Case No. 2013-00067<sup>7</sup> should be extended through June 30, 2016, to be funded with the balance of \$475,000 in funds not yet requested by the schools in the SEMP's first two years. KU and LG&E should file an application with the Commission; (1) to extend the SEMP through June 30, 2018, at the funding levels approved in Case No. 2013-00067; and (2) for approval of a DSM/EE program to provide \$1.0 million in grants to schools to fund EE projects." Pursuant to the Commission's April 30, 2013 Order<sup>8</sup> in Case No. 2013-00067, the Kentucky School Boards Association ("KSBA") is currently managing and operating SEMP and the Companies intend to continue this arrangement. This filing will also outline the scope, operating plan and savings expectations for the new school grant program, as agreed upon by the Companies and the KSBA.

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<sup>4</sup> *Application of Kentucky Utilities Company for an Adjustment of Its Electric Rates*. Case No. 2014-00371, April 20, 2015.

<sup>5</sup> *Application of Louisville Gas and Electric Company for an Adjustment of Its Electric and Gas Rates*. Case No. 2014-00372, April 20, 2015.

<sup>6</sup> See Order dated June 30, 2015 in Case No. 2014-00371 (*Application of Kentucky Utilities Company for an Adjustment of Its Electric Rates*); Order dated June 30, 2015 in Case No. 2014-00372 (*Application of Louisville Gas and Electric Company for an Adjustment of Its Electric Rates*). , .

<sup>7</sup> *Joint Application of Louisville Gas and Electric Company and Kentucky Utilities Company for the Review and Approval of a Two-Year Demand-Side Program Related to School Energy Management and Associated Cost Recovery*. Case No. 2013-00067, February 28, 2013.

<sup>8</sup> *Joint Application of Louisville Gas and Electric Company and Kentucky Utilities Company for the Review and Approval of a Two-Year Demand-Side Program Related to School Energy Management and Associated Cost Recovery*. Case No. 2013-00067, Order April 30, 2013.

## **School Energy Management Program**

### 8.1 Background

Pursuant to the Commission's approval of the Settlement in its Orders<sup>9</sup> issued on June 30, 2015, the Companies are proposing to extend the SEMP approved in Case No. 2013-00067 through June 30, 2018, at the funding levels approved in Case No. 2013-00067. In addition, the Companies are proposing, consistent with the Commission Orders referenced above, to provide \$1.0 million in grants to schools to fund EE projects. This new program will also be managed by the KSBA.

### 8.2 Program Benefits

Extension of the SEMP will facilitate the continued hiring and retention of qualified, trained energy specialists by public and independent school districts through June 30, 2018 to lead the continued expansion of energy efficiency improvements within each district. The primary goal of the SEMP is to support school districts in utilizing energy more wisely, with the objective that each school district will reduce energy consumption by an annual rate of 2.5 percent and achieve energy utilization indices (“EUI”) of fifty or lower. The new EE project funding will assist in expediting the on-going energy efficiency efforts within schools. According to the KSBA, budgetary constraints have been a barrier to the installation of energy-efficient equipment and systems within school districts that would greatly benefit from both the lifetime operating cost savings associated with measures installed and the increase in environmental comfort within

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<sup>9</sup> See Order dated June 30, 2015 in Case No. 2014-00371 (*Application of Kentucky Utilities Company for an Adjustment of Its Electric Rates*); Order dated June 30, 2015 in Case No. 2014-00372 (*Application of Louisville Gas and Electric Company for an Adjustment of Its Electric and Gas Rates*).

effected facilities. The execution of energy efficiency projects within schools can be more quickly realized and implemented with this funding in place.

### 8.3 Program Audience

The program will be available to the eighty-three public and independent school districts served by the Companies under KRS 160.325.

### 8.4 Program Cost / Benefit Test Results

The Companies performed a cost / benefit analysis according to the California Standard Practice Manual. The calculations for the program were developed using DSMore, a PC based software package developed by Integral Analytics. Energy and demand savings entered in the software model associated with the funding of energy managers were derived from data provided by the KSBA, using FY2015 as the baseline. Energy and demand savings associated with the funding of EE projects were based on realized savings from a statistically-significant sample of rebates awarded to K-12 schools through the Companies’ Commercial Conservation/Commercial Incentives program. The cost/benefit test results for this program are shown below, where a “passing” score is a value of over 1.0. All of the inputs and outputs associated with the California Standard Practice Manual tests are attached to this filing as Appendix A and B, respectively.

	Total Resource Cost Test	Utility Cost Test	Ratepayer Impact Test	Participant Test
<b>Program Total</b>	<b>1.00</b>	<b>1.17</b>	<b>0.57</b>	<b>6.13</b>
<i>Energy Managers</i>	<i>0.94</i>	<i>1.18</i>	<i>0.56</i>	<i>4.33</i>
<i>EE Projects</i>	<i>1.14</i>	<i>1.14</i>	<i>0.59</i>	<i>N/A</i>

8.5 Implementation Plan

The KSBA will manage and operate both programs. Invoices for recovery of project costs through these programs will be paid upon receipt by the Companies until the approved funding is depleted.

8.6 Energy and Demand Impacts

Energy impacts for the Energy Managers portions of SEMP have been calculated assuming reductions for behavioral changes only. Therefore, its associated energy impacts are non-cumulative and are for one year only. Alternatively, energy savings achieved through funding the new EE projects in schools will accumulate over its two-year life. The anticipated annual energy impacts are below.

<b>Annual Reductions</b>		<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total</b>
Energy (MWh)	Program Total	8,043	8,043	7,592	23,678
	<i>Energy Managers</i>	7,592	7,592	7,592	22,776
	<i>EE Projects</i>	451	451	-	902
Demand (MW)	Program Total	1.95	1.95	1.76	5.67
	<i>Energy Managers</i>	1.76	1.76	1.76	5.29
	<i>EE Projects</i>	0.19	0.19	-	0.38

8.7 Annual Program Budget

The annual levels of funding for the SEMP are to be consistent with the Commission's ruling in Case Nos. 2014-00371 and 2014-00372. The balance of \$475,000 in funds not yet requested by the schools in the SEMP's first two years was paid in 2015.

<b><u>Budget (\$000's)</u></b>	<b><u>2016</u></b>	<b><u>2017</u></b>	<b><u>2018</u></b>	<b><u>Total</u></b>
Energy Managers	\$725	\$725	\$0	\$1,450
EE Projects	<u>\$500</u>	<u>\$500</u>	<u>\$0</u>	<u>\$1,000</u>
<b>Program Total</b>	<b>\$1,225</b>	<b>\$1,225</b>	<b>\$0</b>	<b>\$2,450</b>

9. While no notice to the public is required by the Commission's regulations, the Companies will, within five business days of the filing of this Application, post on their websites notice of such filing and a hyperlink to the location on the Commission's Web site where this Application is available.

10. Should the Commission determine that 807 KAR 5:011, Section 8 requires notice to the public of the proposed rate schedules, the Companies request a deviation from the requirements of that regulation. Given that the parties to the Companies' most recent rate cases agreed that this Application should be filed, that the estimated cost of publication of notice is \$250,000, and that any benefits from publication are relatively small in comparison to the costs of publication, good cause exists for such deviation.



**WHEREFORE**, Louisville Gas and Electric Company and Kentucky Utilities Company respectfully request the Kentucky Public Service Commission to issue an order:

1. Approving the School Energy Management Program and the associated cost recovery and tariff sheets (Appendix C and D);
2. Granting all other relief to which Louisville Gas and Electric Company and Kentucky Utilities Company may be entitled.

Dated: December 11, 2015

Respectfully Submitted,

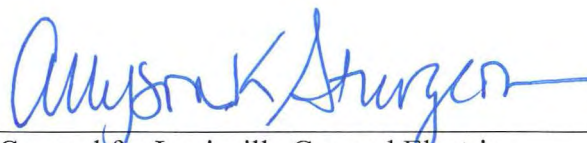


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**CERTIFICATE OF SERVICE**

In accordance with 807 KAR 5:001, Section 8, I certify that the December 11, 2015 electronic filing of this application is a true and accurate copy of the same document being filed in paper medium; that the electronic filing was transmitted to the Commission on December 11, 2015; that there are currently no parties that the Commission has excused from participation by electronic means in this proceeding; and that an original paper medium of this Application will be delivered to the Commission on or before December 15, 2015. I further certify that a true and correct copy of this Application was served on the following persons on December 11, 2015, by electronic mail:

Gregory Dutton  
Gregory.Dutton@ky.gov  
Lawrence W. Cook  
Larry.Cook@ky.gov  
Assistant Attorneys General  
Office of the Attorney General  
Office of Rate Intervention  
1024 Capital Center Drive, Suite 200  
Frankfort, KY 40601-8204

A handwritten signature in blue ink, reading "Allison K. Sturgen", written over a horizontal line.

Counsel for Louisville Gas and Electric  
Company and Kentucky Utilities Company

**Louisville Gas and Electric Company  
and**

**Kentucky Utilities Company**

**DSMore Input Summary Reports**

**Appendix A**

Participation and Total Participant Costs									
Year	Participation						Total Participant Costs		
	New Participants	New Free Riders	Cumulative Participants	Cumulative Free Riders	Cumulative Participants (net free riders)	Cumulative Participants (net free/persist)	One-Time Investment	Annual Investment	Total Costs
1	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
2	4	0	4	0	4	4	\$0.00	\$0.00	\$0.00
3	4	0	8	0	8	8	\$0.00	\$0.00	\$0.00
4	0	0	8	0	8	8	\$0.00	\$0.00	\$0.00
5	0	0	8	0	8	8	\$0.00	\$0.00	\$0.00
6	0	0	8	0	8	8	\$0.00	\$0.00	\$0.00
7	0	0	8	0	8	8	\$0.00	\$0.00	\$0.00
8	0	0	8	0	8	8	\$0.00	\$0.00	\$0.00
9	0	0	8	0	8	8	\$0.00	\$0.00	\$0.00
10	0	0	8	0	8	8	\$0.00	\$0.00	\$0.00
11	0	0	8	0	8	8	\$0.00	\$0.00	\$0.00
12	0	0	8	0	8	8	\$0.00	\$0.00	\$0.00
13	0	0	8	0	8	8	\$0.00	\$0.00	\$0.00
14	0	0	8	0	8	8	\$0.00	\$0.00	\$0.00
15	0	0	8	0	8	8	\$0.00	\$0.00	\$0.00
16	0	0	8	0	8	8	\$0.00	\$0.00	\$0.00
17	0	0	8	0	8	8	\$0.00	\$0.00	\$0.00
18	0	0	8	0	8	8	\$0.00	\$0.00	\$0.00
19	0	0	8	0	8	8	\$0.00	\$0.00	\$0.00
20	0	0	8	0	8	8	\$0.00	\$0.00	\$0.00
21	0	0	8	0	8	8	\$0.00	\$0.00	\$0.00
22	0	0	4	0	4	4	\$0.00	\$0.00	\$0.00
Totals	8	0	160	0	160	160	\$0.00	\$0.00	\$0.00

Impacts and Savings																
Year	Electric Impacts/Savings															
	Per Participant								Cumulative							
	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)
1	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0
2	18.155	18.155	16.679	16.679	17.657	17.657	42,939	42,939	73	73	67	67	71	71	171,756	171,756
3	18.155	18.155	16.679	16.679	17.657	17.657	42,939	42,939	145	145	133	133	141	141	343,511	343,511
4	18.155	18.155	16.679	16.679	17.657	17.657	42,939	42,939	145	145	133	133	141	141	343,511	343,511
5	18.155	18.155	16.679	16.679	17.657	17.657	42,939	42,939	145	145	133	133	141	141	343,511	343,511
6	18.155	18.155	16.679	16.679	17.657	17.657	42,939	42,939	145	145	133	133	141	141	343,511	343,511
7	18.155	18.155	16.679	16.679	17.657	17.657	42,939	42,939	145	145	133	133	141	141	343,511	343,511
8	18.155	18.155	16.679	16.679	17.657	17.657	42,939	42,939	145	145	133	133	141	141	343,511	343,511
9	18.155	18.155	16.679	16.679	17.657	17.657	42,939	42,939	145	145	133	133	141	141	343,511	343,511
10	18.155	18.155	16.679	16.679	17.657	17.657	42,939	42,939	145	145	133	133	141	141	343,511	343,511
11	18.155	18.155	16.679	16.679	17.657	17.657	42,939	42,939	145	145	133	133	141	141	343,511	343,511
12	18.155	18.155	16.679	16.679	17.657	17.657	42,939	42,939	145	145	133	133	141	141	343,511	343,511
13	18.155	18.155	16.679	16.679	17.657	17.657	42,939	42,939	145	145	133	133	141	141	343,511	343,511
14	18.155	18.155	16.679	16.679	17.657	17.657	42,939	42,939	145	145	133	133	141	141	343,511	343,511
15	18.155	18.155	16.679	16.679	17.657	17.657	42,939	42,939	145	145	133	133	141	141	343,511	343,511
16	18.155	18.155	16.679	16.679	17.657	17.657	42,939	42,939	145	145	133	133	141	141	343,511	343,511
17	18.155	18.155	16.679	16.679	17.657	17.657	42,939	42,939	145	145	133	133	141	141	343,511	343,511
18	18.155	18.155	16.679	16.679	17.657	17.657	42,939	42,939	145	145	133	133	141	141	343,511	343,511
19	18.155	18.155	16.679	16.679	17.657	17.657	42,939	42,939	145	145	133	133	141	141	343,511	343,511
20	18.155	18.155	16.679	16.679	17.657	17.657	42,939	42,939	145	145	133	133	141	141	343,511	343,511
21	18.155	18.155	16.679	16.679	17.657	17.657	42,939	42,939	145	145	133	133	141	141	343,511	343,511
22	18.155	18.155	16.679	16.679	17.657	17.657	42,939	42,939	73	73	67	67	71	71	171,756	171,756
Totals							901,718	901,718							6,870,229	6,870,229

Impacts and Savings														
Year	Electric Impacts/Savings								Gas Impacts/Savings					
	Yearly Incremental (Per Participant * Incremental Participants)								Per Participant		Cumulative		Yearly Incremental	
	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	CCF	CCF (net)	CCF	CCF (net)	CCF	CCF (net)
1	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0	
2	73	73	67	67	71	71	171,756	0.00	0.00	0	0	0	0	
3	73	73	67	67	71	71	171,756	0.00	0.00	0	0	0	0	
4	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0	
5	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0	
6	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0	
7	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0	
8	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0	
9	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0	
10	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0	
11	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0	
12	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0	
13	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0	
14	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0	
15	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0	
16	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0	
17	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0	
18	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0	
19	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0	
20	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0	
21	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0	
22	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0	
Totals							343,511	343,511	0	0	0	0	0	0

Lost Revenue Dollars									
Year	Lost Revenue per Participant			Cumulative Lost Revenue			Cumulative Lost Revenue (Net Fuel)		
	Electric	Gas	Total	Net Free/Persist Electric	Net Free/Persist Gas	Net Free/Persist Total	Net Fuel Net Free/Persist Electric	Net Fuel Net Free/Persist Gas	Net Fuel Net Free/Persist Total
1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2	\$1,960.13	\$0.00	\$1,960.13	\$7,840.52	\$0.00	\$7,840.52	\$7,840.52	\$0.00	\$7,840.52
3	\$1,999.33	\$0.00	\$1,999.33	\$15,994.66	\$0.00	\$15,994.66	\$15,994.66	\$0.00	\$15,994.66
4	\$2,039.32	\$0.00	\$2,039.32	\$16,314.55	\$0.00	\$16,314.55	\$16,314.55	\$0.00	\$16,314.55
5	\$2,080.11	\$0.00	\$2,080.11	\$16,640.84	\$0.00	\$16,640.84	\$16,640.84	\$0.00	\$16,640.84
6	\$2,121.71	\$0.00	\$2,121.71	\$16,973.66	\$0.00	\$16,973.66	\$16,973.66	\$0.00	\$16,973.66
7	\$2,164.14	\$0.00	\$2,164.14	\$17,313.13	\$0.00	\$17,313.13	\$17,313.13	\$0.00	\$17,313.13
8	\$2,207.42	\$0.00	\$2,207.42	\$17,659.39	\$0.00	\$17,659.39	\$17,659.39	\$0.00	\$17,659.39
9	\$2,251.57	\$0.00	\$2,251.57	\$18,012.58	\$0.00	\$18,012.58	\$18,012.58	\$0.00	\$18,012.58
10	\$2,296.60	\$0.00	\$2,296.60	\$18,372.83	\$0.00	\$18,372.83	\$18,372.83	\$0.00	\$18,372.83
11	\$2,342.54	\$0.00	\$2,342.54	\$18,740.29	\$0.00	\$18,740.29	\$18,740.29	\$0.00	\$18,740.29
12	\$2,389.39	\$0.00	\$2,389.39	\$19,115.09	\$0.00	\$19,115.09	\$19,115.09	\$0.00	\$19,115.09
13	\$2,437.17	\$0.00	\$2,437.17	\$19,497.40	\$0.00	\$19,497.40	\$19,497.40	\$0.00	\$19,497.40
14	\$2,485.92	\$0.00	\$2,485.92	\$19,887.34	\$0.00	\$19,887.34	\$19,887.34	\$0.00	\$19,887.34
15	\$2,535.64	\$0.00	\$2,535.64	\$20,285.09	\$0.00	\$20,285.09	\$20,285.09	\$0.00	\$20,285.09
16	\$2,586.35	\$0.00	\$2,586.35	\$20,690.79	\$0.00	\$20,690.79	\$20,690.79	\$0.00	\$20,690.79
17	\$2,638.08	\$0.00	\$2,638.08	\$21,104.61	\$0.00	\$21,104.61	\$21,104.61	\$0.00	\$21,104.61
18	\$2,690.84	\$0.00	\$2,690.84	\$21,526.70	\$0.00	\$21,526.70	\$21,526.70	\$0.00	\$21,526.70
19	\$2,744.65	\$0.00	\$2,744.65	\$21,957.24	\$0.00	\$21,957.24	\$21,957.24	\$0.00	\$21,957.24
20	\$2,799.55	\$0.00	\$2,799.55	\$22,396.38	\$0.00	\$22,396.38	\$22,396.38	\$0.00	\$22,396.38
21	\$2,855.54	\$0.00	\$2,855.54	\$22,844.31	\$0.00	\$22,844.31	\$22,844.31	\$0.00	\$22,844.31
22	\$2,912.65	\$0.00	\$2,912.65	\$11,650.60	\$0.00	\$11,650.60	\$11,650.60	\$0.00	\$11,650.60
Totals	\$50,538.64	\$0.00	\$50,538.64	\$384,818.00	\$0.00	\$384,818.00	\$384,818.00	\$0.00	\$384,818.00

Utility Program Costs											
Year	Overall Costs					Total Costs per kW, kWh, and CCF Saved					
	Administration	Implementation	Incentives	Other	Total	\$/kW	\$/kW (net)	\$/kWh	\$/kWh (net)	\$/CCF	\$/CCF (net)
1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2	\$180,000.00	\$0.00	\$0.00	\$0.00	\$180,000.00	\$1,310.59	\$1,310.59	\$1.05	\$1.05	\$0.00	\$0.00
3	\$180,000.00	\$0.00	\$0.00	\$0.00	\$180,000.00	\$655.30	\$655.30	\$0.52	\$0.52	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$360,000.00	\$0.00	\$0.00	\$0.00	\$360,000.00	\$1,965.89	\$1,965.89	\$1.57	\$1.57	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Persistence) for Today Scenario								
Year	Cumulative Electric					Cumulative Gas		
	Energy	Adders/Capacity	T&D	Ancillary	Total	Gas Distribution	Gas Fuel	Total
1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2	\$7,983.86	\$6,805.06	\$0.00	\$0.00	\$14,788.91	\$0.00	\$0.00	\$0.00
3	\$16,287.06	\$13,882.32	\$0.00	\$0.00	\$30,169.38	\$0.00	\$0.00	\$0.00
4	\$16,612.81	\$14,159.96	\$0.00	\$0.00	\$30,772.77	\$0.00	\$0.00	\$0.00
5	\$16,945.06	\$14,443.16	\$0.00	\$0.00	\$31,388.22	\$0.00	\$0.00	\$0.00
6	\$17,283.96	\$14,732.02	\$0.00	\$0.00	\$32,015.99	\$0.00	\$0.00	\$0.00
7	\$17,629.64	\$15,026.66	\$0.00	\$0.00	\$32,656.31	\$0.00	\$0.00	\$0.00
8	\$17,982.24	\$15,327.20	\$0.00	\$0.00	\$33,309.43	\$0.00	\$0.00	\$0.00
9	\$18,341.88	\$15,633.74	\$0.00	\$0.00	\$33,975.62	\$0.00	\$0.00	\$0.00
10	\$18,708.72	\$15,946.42	\$0.00	\$0.00	\$34,655.13	\$0.00	\$0.00	\$0.00
11	\$19,082.89	\$16,265.34	\$0.00	\$0.00	\$35,348.24	\$0.00	\$0.00	\$0.00
12	\$19,464.55	\$16,590.65	\$0.00	\$0.00	\$36,055.20	\$0.00	\$0.00	\$0.00
13	\$19,853.84	\$16,922.46	\$0.00	\$0.00	\$36,776.31	\$0.00	\$0.00	\$0.00
14	\$20,250.92	\$17,260.91	\$0.00	\$0.00	\$37,511.83	\$0.00	\$0.00	\$0.00
15	\$20,655.94	\$17,606.13	\$0.00	\$0.00	\$38,262.07	\$0.00	\$0.00	\$0.00
16	\$21,069.05	\$17,958.25	\$0.00	\$0.00	\$39,027.31	\$0.00	\$0.00	\$0.00
17	\$21,490.44	\$18,317.42	\$0.00	\$0.00	\$39,807.86	\$0.00	\$0.00	\$0.00
18	\$21,920.24	\$18,683.77	\$0.00	\$0.00	\$40,604.01	\$0.00	\$0.00	\$0.00
19	\$22,358.65	\$19,057.44	\$0.00	\$0.00	\$41,416.09	\$0.00	\$0.00	\$0.00
20	\$22,805.82	\$19,438.59	\$0.00	\$0.00	\$42,244.41	\$0.00	\$0.00	\$0.00
21	\$23,261.94	\$19,827.36	\$0.00	\$0.00	\$43,089.30	\$0.00	\$0.00	\$0.00
22	\$11,863.59	\$10,111.96	\$0.00	\$0.00	\$21,975.54	\$0.00	\$0.00	\$0.00
Totals	\$391,853.10	\$333,996.85	\$0.00	\$0.00	\$725,849.94	\$0.00	\$0.00	\$0.00

Cost-Based Avoided Costs (Net Free Riders/Persistence)								
Year	Cumulative Electric					Cumulative Gas		
	Energy	Capacity	T&D	Ancillary	Total	Gas Distribution	Gas Fuel	Total
1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2	\$7,983.86	\$6,805.06	\$0.00	\$0.00	\$14,788.91	\$0.00	\$0.00	\$0.00
3	\$16,287.06	\$13,882.32	\$0.00	\$0.00	\$30,169.38	\$0.00	\$0.00	\$0.00
4	\$16,612.81	\$14,159.96	\$0.00	\$0.00	\$30,772.77	\$0.00	\$0.00	\$0.00
5	\$16,945.06	\$14,443.16	\$0.00	\$0.00	\$31,388.22	\$0.00	\$0.00	\$0.00
6	\$17,283.96	\$14,732.02	\$0.00	\$0.00	\$32,015.99	\$0.00	\$0.00	\$0.00
7	\$17,629.64	\$15,026.66	\$0.00	\$0.00	\$32,656.31	\$0.00	\$0.00	\$0.00
8	\$17,982.24	\$15,327.20	\$0.00	\$0.00	\$33,309.43	\$0.00	\$0.00	\$0.00
9	\$18,341.88	\$15,633.74	\$0.00	\$0.00	\$33,975.62	\$0.00	\$0.00	\$0.00
10	\$18,708.72	\$15,946.42	\$0.00	\$0.00	\$34,655.13	\$0.00	\$0.00	\$0.00
11	\$19,082.89	\$16,265.34	\$0.00	\$0.00	\$35,348.24	\$0.00	\$0.00	\$0.00
12	\$19,464.55	\$16,590.65	\$0.00	\$0.00	\$36,055.20	\$0.00	\$0.00	\$0.00
13	\$19,853.84	\$16,922.46	\$0.00	\$0.00	\$36,776.31	\$0.00	\$0.00	\$0.00
14	\$20,250.92	\$17,260.91	\$0.00	\$0.00	\$37,511.83	\$0.00	\$0.00	\$0.00
15	\$20,655.94	\$17,606.13	\$0.00	\$0.00	\$38,262.07	\$0.00	\$0.00	\$0.00
16	\$21,069.05	\$17,958.25	\$0.00	\$0.00	\$39,027.31	\$0.00	\$0.00	\$0.00
17	\$21,490.44	\$18,317.42	\$0.00	\$0.00	\$39,807.86	\$0.00	\$0.00	\$0.00
18	\$21,920.24	\$18,683.77	\$0.00	\$0.00	\$40,604.01	\$0.00	\$0.00	\$0.00
19	\$22,358.65	\$19,057.44	\$0.00	\$0.00	\$41,416.09	\$0.00	\$0.00	\$0.00
20	\$22,805.82	\$19,438.59	\$0.00	\$0.00	\$42,244.41	\$0.00	\$0.00	\$0.00
21	\$23,261.94	\$19,827.36	\$0.00	\$0.00	\$43,089.30	\$0.00	\$0.00	\$0.00
22	\$11,863.59	\$10,111.96	\$0.00	\$0.00	\$21,975.54	\$0.00	\$0.00	\$0.00
Totals	\$391,853.10	\$333,996.85	\$0.00	\$0.00	\$725,849.94	\$0.00	\$0.00	\$0.00

Participation and Total Participant Costs									
Year	Participation						Total Participant Costs		
	New Participants	New Free Riders	Cumulative Participants	Cumulative Free Riders	Cumulative Participants (net free riders)	Cumulative Participants (net free/persist)	One-Time Investment	Annual Investment	Total Costs
1	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
2	7	0	7	0	7	7	\$0.00	\$0.00	\$0.00
3	7	0	14	0	14	14	\$0.00	\$0.00	\$0.00
4	0	0	14	0	14	14	\$0.00	\$0.00	\$0.00
5	0	0	14	0	14	14	\$0.00	\$0.00	\$0.00
6	0	0	14	0	14	14	\$0.00	\$0.00	\$0.00
7	0	0	14	0	14	14	\$0.00	\$0.00	\$0.00
8	0	0	14	0	14	14	\$0.00	\$0.00	\$0.00
9	0	0	14	0	14	14	\$0.00	\$0.00	\$0.00
10	0	0	14	0	14	14	\$0.00	\$0.00	\$0.00
11	0	0	14	0	14	14	\$0.00	\$0.00	\$0.00
12	0	0	14	0	14	14	\$0.00	\$0.00	\$0.00
13	0	0	14	0	14	14	\$0.00	\$0.00	\$0.00
14	0	0	14	0	14	14	\$0.00	\$0.00	\$0.00
15	0	0	14	0	14	14	\$0.00	\$0.00	\$0.00
16	0	0	14	0	14	14	\$0.00	\$0.00	\$0.00
17	0	0	14	0	14	14	\$0.00	\$0.00	\$0.00
18	0	0	14	0	14	14	\$0.00	\$0.00	\$0.00
19	0	0	14	0	14	14	\$0.00	\$0.00	\$0.00
20	0	0	14	0	14	14	\$0.00	\$0.00	\$0.00
21	0	0	14	0	14	14	\$0.00	\$0.00	\$0.00
22	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00
Totals	14	0	280	0	280	280	\$0.00	\$0.00	\$0.00

Impacts and Savings																
Year	Electric Impacts/Savings															
	Per Participant								Cumulative							
	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)
1	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0
2	18.224	18.224	16.209	16.209	18.224	18.224	43,101	43,101	128	128	113	113	128	128	301,709	301,709
3	18.224	18.224	16.209	16.209	18.224	18.224	43,101	43,101	255	255	227	227	255	255	603,418	603,418
4	18.224	18.224	16.209	16.209	18.224	18.224	43,101	43,101	255	255	227	227	255	255	603,418	603,418
5	18.224	18.224	16.209	16.209	18.224	18.224	43,101	43,101	255	255	227	227	255	255	603,418	603,418
6	18.224	18.224	16.209	16.209	18.224	18.224	43,101	43,101	255	255	227	227	255	255	603,418	603,418
7	18.224	18.224	16.209	16.209	18.224	18.224	43,101	43,101	255	255	227	227	255	255	603,418	603,418
8	18.224	18.224	16.209	16.209	18.224	18.224	43,101	43,101	255	255	227	227	255	255	603,418	603,418
9	18.224	18.224	16.209	16.209	18.224	18.224	43,101	43,101	255	255	227	227	255	255	603,418	603,418
10	18.224	18.224	16.209	16.209	18.224	18.224	43,101	43,101	255	255	227	227	255	255	603,418	603,418
11	18.224	18.224	16.209	16.209	18.224	18.224	43,101	43,101	255	255	227	227	255	255	603,418	603,418
12	18.224	18.224	16.209	16.209	18.224	18.224	43,101	43,101	255	255	227	227	255	255	603,418	603,418
13	18.224	18.224	16.209	16.209	18.224	18.224	43,101	43,101	255	255	227	227	255	255	603,418	603,418
14	18.224	18.224	16.209	16.209	18.224	18.224	43,101	43,101	255	255	227	227	255	255	603,418	603,418
15	18.224	18.224	16.209	16.209	18.224	18.224	43,101	43,101	255	255	227	227	255	255	603,418	603,418
16	18.224	18.224	16.209	16.209	18.224	18.224	43,101	43,101	255	255	227	227	255	255	603,418	603,418
17	18.224	18.224	16.209	16.209	18.224	18.224	43,101	43,101	255	255	227	227	255	255	603,418	603,418
18	18.224	18.224	16.209	16.209	18.224	18.224	43,101	43,101	255	255	227	227	255	255	603,418	603,418
19	18.224	18.224	16.209	16.209	18.224	18.224	43,101	43,101	255	255	227	227	255	255	603,418	603,418
20	18.224	18.224	16.209	16.209	18.224	18.224	43,101	43,101	255	255	227	227	255	255	603,418	603,418
21	18.224	18.224	16.209	16.209	18.224	18.224	43,101	43,101	255	255	227	227	255	255	603,418	603,418
22	18.224	18.224	16.209	16.209	18.224	18.224	43,101	43,101	128	128	113	113	128	128	301,709	301,709
Totals							905,127	905,127							12,068,356	12,068,356

Impacts and Savings														
Year	Electric Impacts/Savings								Gas Impacts/Savings					
	Yearly Incremental (Per Participant * Incremental Participants)								Per Participant		Cumulative		Yearly Incremental	
	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	CCF	CCF (net)	CCF	CCF (net)	CCF	CCF (net)
1	0	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0
2	128	128	113	113	128	128	301,709	301,709	0.00	0.00	0	0	0	0
3	128	128	113	113	128	128	301,709	301,709	0.00	0.00	0	0	0	0
4	0	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0
5	0	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0
6	0	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0
7	0	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0
8	0	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0
9	0	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0
10	0	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0
11	0	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0
12	0	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0
13	0	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0
14	0	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0
15	0	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0
16	0	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0
17	0	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0
18	0	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0
19	0	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0
20	0	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0
21	0	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0
22	0	0	0	0	0	0	0	0	0.00	0.00	0	0	0	0
Totals							603,418	603,418	0	0	0	0	0	0

Lost Revenue Dollars									
Year	Lost Revenue per Participant			Cumulative Lost Revenue			Cumulative Lost Revenue (Net Fuel)		
	Electric	Gas	Total	Net Free/Persist Electric	Net Free/Persist Gas	Net Free/Persist Total	Net Fuel Net Free/Persist Electric	Net Fuel Net Free/Persist Gas	Net Fuel Net Free/Persist Total
1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2	\$3,589.24	\$0.00	\$3,589.24	\$25,124.68	\$0.00	\$25,124.68	\$25,124.68	\$0.00	\$25,124.68
3	\$3,661.03	\$0.00	\$3,661.03	\$51,254.35	\$0.00	\$51,254.35	\$51,254.35	\$0.00	\$51,254.35
4	\$3,734.25	\$0.00	\$3,734.25	\$52,279.44	\$0.00	\$52,279.44	\$52,279.44	\$0.00	\$52,279.44
5	\$3,808.93	\$0.00	\$3,808.93	\$53,325.03	\$0.00	\$53,325.03	\$53,325.03	\$0.00	\$53,325.03
6	\$3,885.11	\$0.00	\$3,885.11	\$54,391.53	\$0.00	\$54,391.53	\$54,391.53	\$0.00	\$54,391.53
7	\$3,962.81	\$0.00	\$3,962.81	\$55,479.36	\$0.00	\$55,479.36	\$55,479.36	\$0.00	\$55,479.36
8	\$4,042.07	\$0.00	\$4,042.07	\$56,588.95	\$0.00	\$56,588.95	\$56,588.95	\$0.00	\$56,588.95
9	\$4,122.91	\$0.00	\$4,122.91	\$57,720.73	\$0.00	\$57,720.73	\$57,720.73	\$0.00	\$57,720.73
10	\$4,205.37	\$0.00	\$4,205.37	\$58,875.14	\$0.00	\$58,875.14	\$58,875.14	\$0.00	\$58,875.14
11	\$4,289.47	\$0.00	\$4,289.47	\$60,052.64	\$0.00	\$60,052.64	\$60,052.64	\$0.00	\$60,052.64
12	\$4,375.26	\$0.00	\$4,375.26	\$61,253.70	\$0.00	\$61,253.70	\$61,253.70	\$0.00	\$61,253.70
13	\$4,462.77	\$0.00	\$4,462.77	\$62,478.77	\$0.00	\$62,478.77	\$62,478.77	\$0.00	\$62,478.77
14	\$4,552.02	\$0.00	\$4,552.02	\$63,728.35	\$0.00	\$63,728.35	\$63,728.35	\$0.00	\$63,728.35
15	\$4,643.07	\$0.00	\$4,643.07	\$65,002.91	\$0.00	\$65,002.91	\$65,002.91	\$0.00	\$65,002.91
16	\$4,735.93	\$0.00	\$4,735.93	\$66,302.97	\$0.00	\$66,302.97	\$66,302.97	\$0.00	\$66,302.97
17	\$4,830.65	\$0.00	\$4,830.65	\$67,629.03	\$0.00	\$67,629.03	\$67,629.03	\$0.00	\$67,629.03
18	\$4,927.26	\$0.00	\$4,927.26	\$68,981.61	\$0.00	\$68,981.61	\$68,981.61	\$0.00	\$68,981.61
19	\$5,025.80	\$0.00	\$5,025.80	\$70,361.24	\$0.00	\$70,361.24	\$70,361.24	\$0.00	\$70,361.24
20	\$5,126.32	\$0.00	\$5,126.32	\$71,768.47	\$0.00	\$71,768.47	\$71,768.47	\$0.00	\$71,768.47
21	\$5,228.85	\$0.00	\$5,228.85	\$73,203.84	\$0.00	\$73,203.84	\$73,203.84	\$0.00	\$73,203.84
22	\$5,333.42	\$0.00	\$5,333.42	\$37,333.96	\$0.00	\$37,333.96	\$37,333.96	\$0.00	\$37,333.96
Totals	\$92,542.52	\$0.00	\$92,542.52	\$1,233,136.70	\$0.00	\$1,233,136.70	\$1,233,136.70	\$0.00	\$1,233,136.70

Utility Program Costs											
Year	Overall Costs					Total Costs per kW, kWh, and CCF Saved					
	Administration	Implementation	Incentives	Other	Total	\$/kW	\$/kW (net)	\$/kWh	\$/kWh (net)	\$/CCF	\$/CCF (net)
1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2	\$320,000.00	\$0.00	\$0.00	\$0.00	\$320,000.00	\$1,327.63	\$1,327.63	\$1.06	\$1.06	\$0.00	\$0.00
3	\$320,000.00	\$0.00	\$0.00	\$0.00	\$320,000.00	\$663.81	\$663.81	\$0.53	\$0.53	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$640,000.00	\$0.00	\$0.00	\$0.00	\$640,000.00	\$1,991.44	\$1,991.44	\$1.59	\$1.59	\$0.00	\$0.00



Market-Based Avoided Costs (Net Free Riders/Persistence) for Today Scenario									
Year	Cumulative Electric					Cumulative Gas			
	Energy	Adders/Capacity	T&D	Ancillary	Total	Gas Distribution	Gas Fuel	Total	
1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
2	\$14,774.65	\$11,573.35	\$0.00	\$0.00	\$26,348.00	\$0.00	\$0.00	\$0.00	
3	\$30,140.29	\$23,609.64	\$0.00	\$0.00	\$53,749.93	\$0.00	\$0.00	\$0.00	
4	\$30,743.10	\$24,081.83	\$0.00	\$0.00	\$54,824.93	\$0.00	\$0.00	\$0.00	
5	\$31,357.96	\$24,563.47	\$0.00	\$0.00	\$55,921.42	\$0.00	\$0.00	\$0.00	
6	\$31,985.12	\$25,054.73	\$0.00	\$0.00	\$57,039.85	\$0.00	\$0.00	\$0.00	
7	\$32,624.82	\$25,555.83	\$0.00	\$0.00	\$58,180.65	\$0.00	\$0.00	\$0.00	
8	\$33,277.32	\$26,066.95	\$0.00	\$0.00	\$59,344.26	\$0.00	\$0.00	\$0.00	
9	\$33,942.86	\$26,588.28	\$0.00	\$0.00	\$60,531.15	\$0.00	\$0.00	\$0.00	
10	\$34,621.72	\$27,120.05	\$0.00	\$0.00	\$61,741.77	\$0.00	\$0.00	\$0.00	
11	\$35,314.16	\$27,662.45	\$0.00	\$0.00	\$62,976.61	\$0.00	\$0.00	\$0.00	
12	\$36,020.44	\$28,215.70	\$0.00	\$0.00	\$64,236.14	\$0.00	\$0.00	\$0.00	
13	\$36,740.85	\$28,780.01	\$0.00	\$0.00	\$65,520.86	\$0.00	\$0.00	\$0.00	
14	\$37,475.66	\$29,355.61	\$0.00	\$0.00	\$66,831.28	\$0.00	\$0.00	\$0.00	
15	\$38,225.18	\$29,942.73	\$0.00	\$0.00	\$68,167.90	\$0.00	\$0.00	\$0.00	
16	\$38,989.68	\$30,541.58	\$0.00	\$0.00	\$69,531.26	\$0.00	\$0.00	\$0.00	
17	\$39,769.48	\$31,152.41	\$0.00	\$0.00	\$70,921.89	\$0.00	\$0.00	\$0.00	
18	\$40,564.86	\$31,775.46	\$0.00	\$0.00	\$72,340.33	\$0.00	\$0.00	\$0.00	
19	\$41,376.16	\$32,410.97	\$0.00	\$0.00	\$73,787.13	\$0.00	\$0.00	\$0.00	
20	\$42,203.69	\$33,059.19	\$0.00	\$0.00	\$75,262.88	\$0.00	\$0.00	\$0.00	
21	\$43,047.76	\$33,720.37	\$0.00	\$0.00	\$76,768.13	\$0.00	\$0.00	\$0.00	
22	\$21,954.36	\$17,197.39	\$0.00	\$0.00	\$39,151.75	\$0.00	\$0.00	\$0.00	
Totals	\$725,150.11	\$568,028.02	\$0.00	\$0.00	\$1,293,178.13	\$0.00	\$0.00	\$0.00	

Cost-Based Avoided Costs (Net Free Riders/Persistence)									
Year	Cumulative Electric					Cumulative Gas			
	Energy	Capacity	T&D	Ancillary	Total	Gas Distribution	Gas Fuel	Total	
1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
2	\$14,774.65	\$11,573.35	\$0.00	\$0.00	\$26,348.00	\$0.00	\$0.00	\$0.00	
3	\$30,140.29	\$23,609.64	\$0.00	\$0.00	\$53,749.93	\$0.00	\$0.00	\$0.00	
4	\$30,743.10	\$24,081.83	\$0.00	\$0.00	\$54,824.93	\$0.00	\$0.00	\$0.00	
5	\$31,357.96	\$24,563.47	\$0.00	\$0.00	\$55,921.42	\$0.00	\$0.00	\$0.00	
6	\$31,985.12	\$25,054.73	\$0.00	\$0.00	\$57,039.85	\$0.00	\$0.00	\$0.00	
7	\$32,624.82	\$25,555.83	\$0.00	\$0.00	\$58,180.65	\$0.00	\$0.00	\$0.00	
8	\$33,277.32	\$26,066.95	\$0.00	\$0.00	\$59,344.26	\$0.00	\$0.00	\$0.00	
9	\$33,942.86	\$26,588.28	\$0.00	\$0.00	\$60,531.15	\$0.00	\$0.00	\$0.00	
10	\$34,621.72	\$27,120.05	\$0.00	\$0.00	\$61,741.77	\$0.00	\$0.00	\$0.00	
11	\$35,314.16	\$27,662.45	\$0.00	\$0.00	\$62,976.61	\$0.00	\$0.00	\$0.00	
12	\$36,020.44	\$28,215.70	\$0.00	\$0.00	\$64,236.14	\$0.00	\$0.00	\$0.00	
13	\$36,740.85	\$28,780.01	\$0.00	\$0.00	\$65,520.86	\$0.00	\$0.00	\$0.00	
14	\$37,475.66	\$29,355.61	\$0.00	\$0.00	\$66,831.28	\$0.00	\$0.00	\$0.00	
15	\$38,225.18	\$29,942.73	\$0.00	\$0.00	\$68,167.90	\$0.00	\$0.00	\$0.00	
16	\$38,989.68	\$30,541.58	\$0.00	\$0.00	\$69,531.26	\$0.00	\$0.00	\$0.00	
17	\$39,769.48	\$31,152.41	\$0.00	\$0.00	\$70,921.89	\$0.00	\$0.00	\$0.00	
18	\$40,564.86	\$31,775.46	\$0.00	\$0.00	\$72,340.33	\$0.00	\$0.00	\$0.00	
19	\$41,376.16	\$32,410.97	\$0.00	\$0.00	\$73,787.13	\$0.00	\$0.00	\$0.00	
20	\$42,203.69	\$33,059.19	\$0.00	\$0.00	\$75,262.88	\$0.00	\$0.00	\$0.00	
21	\$43,047.76	\$33,720.37	\$0.00	\$0.00	\$76,768.13	\$0.00	\$0.00	\$0.00	
22	\$21,954.36	\$17,197.39	\$0.00	\$0.00	\$39,151.75	\$0.00	\$0.00	\$0.00	
Totals	\$725,150.11	\$568,028.02	\$0.00	\$0.00	\$1,293,178.13	\$0.00	\$0.00	\$0.00	

Participation and Total Participant Costs									
Year	Participation						Total Participant Costs		
	New Participants	New Free Riders	Cumulative Participants	Cumulative Free Riders	Cumulative Participants (net free riders)	Cumulative Participants (net free/persist)	One-Time Investment	Annual Investment	Total Costs
1	168	0	168	0	168	168	\$39,312.00	\$0.00	\$39,312.00
2	168	0	168	0	168	168	\$39,312.00	\$0.00	\$39,312.00
3	168	0	168	0	168	168	\$39,312.00	\$0.00	\$39,312.00
4	168	0	168	0	168	168	\$0.00	\$0.00	\$0.00
Totals	672	0	672	0	672	672	\$117,936.00	\$0.00	\$117,936.00

Impacts and Savings																	
Year	Electric Impacts/Savings										Cumulative						
	Per Participant						kWh				kWh						
	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)		kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)
1	6.745	6.745	5.059	5.059	6.559	6.559	20,407.76	20,407.76		1,133	1,133	850	850	1,102	1,102	3,428,504	3,428,504
2	6.745	6.745	5.059	5.059	6.559	6.559	20,407.76	20,407.76		1,133	1,133	850	850	1,102	1,102	3,428,504	3,428,504
3	6.745	6.745	5.059	5.059	6.559	6.559	20,407.76	20,407.76		1,133	1,133	850	850	1,102	1,102	3,428,504	3,428,504
4	6.745	6.745	5.059	5.059	6.559	6.559	20,407.76	20,407.76		1,133	1,133	850	850	1,102	1,102	3,428,504	3,428,504
Totals							81,631	81,631								13,714,016	13,714,016

Impacts and Savings														
Year	Electric Impacts/Savings								Gas Impacts/Savings					
	Yearly Incremental (Per Participant * Incremental Participants)								Per Participant		Cumulative		Yearly Incremental	
	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	CCF	CCF (net)	CCF	CCF (net)	CCF	CCF (net)
1	1,133	1,133	850	850	1,102	1,102	3,428,504	3,428,504	0.00	0.00	0	0	0	0
2	1,133	1,133	850	850	1,102	1,102	3,428,504	3,428,504	0.00	0.00	0	0	0	0
3	1,133	1,133	850	850	1,102	1,102	3,428,504	3,428,504	0.00	0.00	0	0	0	0
4	1,133	1,133	850	850	1,102	1,102	3,428,504	3,428,504	0.00	0.00	0	0	0	0
Totals							13,714,016	13,714,016	0	0	0	0	0	0

Lost Revenue Dollars									
Year	Lost Revenue per Participant			Cumulative Lost Revenue			Cumulative Lost Revenue (Net Fuel)		
	Electric	Gas	Total	Net Free/Persist Electric	Net Free/Persist Gas	Net Free/Persist Total	Net Free/Persist Electric	Net Free/Persist Gas	Net Free/Persist Total
1	\$913.33	\$0.00	\$913.33	\$153,439.80	\$0.00	\$153,439.80	\$153,439.80	\$0.00	\$153,439.80
2	\$931.60	\$0.00	\$931.60	\$156,508.60	\$0.00	\$156,508.60	\$156,508.60	\$0.00	\$156,508.60
3	\$950.23	\$0.00	\$950.23	\$159,638.77	\$0.00	\$159,638.77	\$159,638.77	\$0.00	\$159,638.77
4	\$969.24	\$0.00	\$969.24	\$162,831.54	\$0.00	\$162,831.54	\$162,831.54	\$0.00	\$162,831.54
Totals	\$3,764.40	\$0.00	\$3,764.40	\$632,418.71	\$0.00	\$632,418.71	\$632,418.71	\$0.00	\$632,418.71

Utility Program Costs											
Year	Overall Costs					Total Costs per kW, kWh, and CCF Saved					
	Administration	Implementation	Incentives	Other	Total	\$/kW	\$/kW (net)	\$/kWh	\$/kWh (net)	\$/CCF	\$/CCF (net)
1	\$147,414.00	\$0.00	\$0.00	\$0.00	\$147,414.00	\$75.53	\$75.53	\$0.04	\$0.04	\$0.00	\$0.00
2	\$225,000.00	\$0.00	\$0.00	\$0.00	\$225,000.00	\$115.28	\$115.28	\$0.07	\$0.07	\$0.00	\$0.00
3	\$225,000.00	\$0.00	\$0.00	\$0.00	\$225,000.00	\$115.28	\$115.28	\$0.07	\$0.07	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$597,414.00	\$0.00	\$0.00	\$0.00	\$597,414.00	\$306.08	\$306.08	\$0.17	\$0.17	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Persistence) for Today Scenario								
Year	Cumulative Electric					Cumulative Gas		
	Energy	Adders/Capacity	T&D	Ancillary	Total	Gas Distribution	Gas Fuel	Total
1	\$156,244.93	\$84,983.85	\$0.00	\$0.00	\$241,228.78	\$0.00	\$0.00	\$0.00
2	\$159,369.83	\$86,683.53	\$0.00	\$0.00	\$246,053.35	\$0.00	\$0.00	\$0.00
3	\$162,557.22	\$88,417.20	\$0.00	\$0.00	\$250,974.42	\$0.00	\$0.00	\$0.00
4	\$165,808.37	\$90,185.54	\$0.00	\$0.00	\$255,993.91	\$0.00	\$0.00	\$0.00
Totals	\$643,980.35	\$350,270.12	\$0.00	\$0.00	\$994,250.46	\$0.00	\$0.00	\$0.00

Cost-Based Avoided Costs (Net Free Riders/Persistence)								
Year	Cumulative Electric					Cumulative Gas		
	Energy	Capacity	T&D	Ancillary	Total	Gas Distribution	Gas Fuel	Total
1	\$156,244.93	\$84,983.85	\$0.00	\$0.00	\$241,228.78	\$0.00	\$0.00	\$0.00
2	\$159,369.83	\$86,683.53	\$0.00	\$0.00	\$246,053.35	\$0.00	\$0.00	\$0.00
3	\$162,557.22	\$88,417.20	\$0.00	\$0.00	\$250,974.42	\$0.00	\$0.00	\$0.00
4	\$165,808.37	\$90,185.54	\$0.00	\$0.00	\$255,993.91	\$0.00	\$0.00	\$0.00
Totals	\$643,980.35	\$350,270.12	\$0.00	\$0.00	\$994,250.46	\$0.00	\$0.00	\$0.00

Participation and Total Participant Costs									
Year	Participation						Total Participant Costs		
	New Participants	New Free Riders	Cumulative Participants	Cumulative Free Riders	Cumulative Participants (net free riders)	Cumulative Participants (net free/persist)	One-Time Investment	Annual Investment	Total Costs
1	237	0	237	0	237	237	\$123,951.00	\$0.00	\$123,951.00
2	237	0	237	0	237	237	\$123,951.00	\$0.00	\$123,951.00
3	237	0	237	0	237	237	\$123,951.00	\$0.00	\$123,951.00
4	237	0	237	0	237	237	\$0.00	\$0.00	\$0.00
Totals	948	0	948	0	948	948	\$371,853.00	\$0.00	\$371,853.00

Impacts and Savings																
Year	Per Participant										Cumulative					
	Electric Impacts/Savings						Gas Impacts/Savings									
	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	CCF	CCF (net)	CCF	CCF (net)	CCF	CCF (net)	CCF	CCF (net)
1	5.731	5.731	4.298	4.298	5.731	5.731	19,498.32	19,498.32	1,358	1,358	1,019	1,019	1,358	1,358	4,621,102	4,621,102
2	5.731	5.731	4.298	4.298	5.731	5.731	19,498.32	19,498.32	1,358	1,358	1,019	1,019	1,358	1,358	4,621,102	4,621,102
3	5.731	5.731	4.298	4.298	5.731	5.731	19,498.32	19,498.32	1,358	1,358	1,019	1,019	1,358	1,358	4,621,102	4,621,102
4	5.731	5.731	4.298	4.298	5.731	5.731	19,498.32	19,498.32	1,358	1,358	1,019	1,019	1,358	1,358	4,621,102	4,621,102
Totals							77,993	77,993							18,484,407	18,484,407

Impacts and Savings														
Year	Electric Impacts/Savings								Gas Impacts/Savings					
	Yearly Incremental (Per Participant * Incremental Participants)				Per Participant				Cumulative			Yearly Incremental		
	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	CCF	CCF (net)	CCF	CCF (net)	CCF	CCF (net)
1	1,358	1,358	1,019	1,019	1,358	1,358	4,621,102	4,621,102	0.00	0.00	0	0	0	0
2	1,358	1,358	1,019	1,019	1,358	1,358	4,621,102	4,621,102	0.00	0.00	0	0	0	0
3	1,358	1,358	1,019	1,019	1,358	1,358	4,621,102	4,621,102	0.00	0.00	0	0	0	0
4	1,358	1,358	1,019	1,019	1,358	1,358	4,621,102	4,621,102	0.00	0.00	0	0	0	0
Totals							18,484,407	18,484,407	0	0	0	0	0	0

Lost Revenue Dollars									
Year	Lost Revenue per Participant			Cumulative Lost Revenue			Cumulative Lost Revenue (Net Fuel)		
	Electric	Gas	Total	Net Free/Persist Electric	Net Free/Persist Gas	Net Free/Persist Total	Net Free/Persist Electric	Net Free/Persist Gas	Net Free/Persist Total
1	\$1,591.88	\$0.00	\$1,591.88	\$377,274.85	\$0.00	\$377,274.85	\$377,274.85	\$0.00	\$377,274.85
2	\$1,623.71	\$0.00	\$1,623.71	\$384,820.34	\$0.00	\$384,820.34	\$384,820.34	\$0.00	\$384,820.34
3	\$1,656.19	\$0.00	\$1,656.19	\$392,516.75	\$0.00	\$392,516.75	\$392,516.75	\$0.00	\$392,516.75
4	\$1,689.31	\$0.00	\$1,689.31	\$400,367.09	\$0.00	\$400,367.09	\$400,367.09	\$0.00	\$400,367.09
Totals	\$6,561.09	\$0.00	\$6,561.09	\$1,554,979.03	\$0.00	\$1,554,979.03	\$1,554,979.03	\$0.00	\$1,554,979.03

Utility Program Costs											
Year	Overall Costs					Total Costs per kW, kWh, and CCF Saved					
	Administration	Implementation	Incentives	Other	Total	\$/kW	\$/kW (net)	\$/kWh	\$/kWh (net)	\$/CCF	\$/CCF (net)
1	\$327,586.00	\$0.00	\$0.00	\$0.00	\$327,586.00	\$137.82	\$137.82	\$0.07	\$0.07	\$0.00	\$0.00
2	\$500,000.00	\$0.00	\$0.00	\$0.00	\$500,000.00	\$210.35	\$210.35	\$0.11	\$0.11	\$0.00	\$0.00
3	\$500,000.00	\$0.00	\$0.00	\$0.00	\$500,000.00	\$210.35	\$210.35	\$0.11	\$0.11	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$1,327,586.00	\$0.00	\$0.00	\$0.00	\$1,327,586.00	\$558.52	\$558.52	\$0.29	\$0.29	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Persistence) for Today Scenario								
Year	Cumulative Electric					Cumulative Gas		
	Energy	Adders/Capacity	T&D	Ancillary	Total	Gas Distribution	Gas Fuel	Total
1	\$221,857.72	\$101,870.23	\$0.00	\$0.00	\$323,727.95	\$0.00	\$0.00	\$0.00
2	\$226,294.88	\$103,907.63	\$0.00	\$0.00	\$330,202.51	\$0.00	\$0.00	\$0.00
3	\$230,820.77	\$105,985.78	\$0.00	\$0.00	\$336,806.56	\$0.00	\$0.00	\$0.00
4	\$235,437.19	\$108,105.50	\$0.00	\$0.00	\$343,542.69	\$0.00	\$0.00	\$0.00
Totals	\$914,410.56	\$419,869.14	\$0.00	\$0.00	\$1,334,279.70	\$0.00	\$0.00	\$0.00

Cost-Based Avoided Costs (Net Free Riders/Persistence)								
Year	Cumulative Electric					Cumulative Gas		
	Energy	Capacity	T&D	Ancillary	Total	Gas Distribution	Gas Fuel	Total
1	\$221,857.72	\$101,870.23	\$0.00	\$0.00	\$323,727.95	\$0.00	\$0.00	\$0.00
2	\$226,294.88	\$103,907.63	\$0.00	\$0.00	\$330,202.51	\$0.00	\$0.00	\$0.00
3	\$230,820.77	\$105,985.78	\$0.00	\$0.00	\$336,806.56	\$0.00	\$0.00	\$0.00
4	\$235,437.19	\$108,105.50	\$0.00	\$0.00	\$343,542.69	\$0.00	\$0.00	\$0.00
Totals	\$914,410.56	\$419,869.14	\$0.00	\$0.00	\$1,334,279.70	\$0.00	\$0.00	\$0.00

**Louisville Gas and Electric Company  
and**

**Kentucky Utilities Company**

**DSMore Output Summary Reports**

**Appendix B**

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	1.13	0.88	1.13	1.18	1.10	2.11
TRC Test	1.13	0.88	1.13	1.18	1.10	2.11
RIM Test	0.71	0.55	0.71	0.74	0.68	1.31
RIM (Net Fuel)	0.71	0.55	0.71	0.74	0.68	1.31
Societal Test	1.13	0.88	1.13	1.18	1.10	2.11
Participant Test	N/A	N/A	N/A	N/A	N/A	N/A

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
<b>Utility (PAC) Test</b>						
Avoided Electric Production	\$200,684.56	\$117,204.77	\$200,684.56	\$217,175.36	\$187,879.13	\$518,963.02
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$171,053.92	\$171,053.92	\$171,053.92	\$171,053.92	\$171,053.92	\$171,053.92
Avoided T&D Electric	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$371,738.48	\$288,258.69	\$371,738.48	\$388,229.28	\$358,933.06	\$690,016.94
Administration Costs	\$327,667.09	\$327,667.09	\$327,667.09	\$327,667.09	\$327,667.09	\$327,667.09
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$327,667.09	\$327,667.09	\$327,667.09	\$327,667.09	\$327,667.09	\$327,667.09
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>TRC Test</b>						
Avoided Electric Production	\$200,684.56	\$117,204.77	\$200,684.56	\$217,175.36	\$187,879.13	\$518,963.02
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$171,053.92	\$171,053.92	\$171,053.92	\$171,053.92	\$171,053.92	\$171,053.92
Avoided T&D Electric	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$371,738.48	\$288,258.69	\$371,738.48	\$388,229.28	\$358,933.06	\$690,016.94
Administration Costs	\$327,667.09	\$327,667.09	\$327,667.09	\$327,667.09	\$327,667.09	\$327,667.09
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$327,667.09	\$327,667.09	\$327,667.09	\$327,667.09	\$327,667.09	\$327,667.09
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Tax Credits (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

<b>RIM Test</b>						
Avoided Electric Production	\$200,684.56	\$117,204.77	\$200,684.56	\$217,175.36	\$187,879.13	\$518,963.02
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$171,053.92	\$171,053.92	\$171,053.92	\$171,053.92	\$171,053.92	\$171,053.92
Avoided T&D Electric	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$371,738.48	\$288,258.69	\$371,738.48	\$388,229.28	\$358,933.06	\$690,016.94
Administration Costs	\$327,667.09	\$327,667.09	\$327,667.09	\$327,667.09	\$327,667.09	\$327,667.09
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$327,667.09	\$327,667.09	\$327,667.09	\$327,667.09	\$327,667.09	\$327,667.09
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$197,081.59	\$194,713.00	\$197,081.59	\$197,081.59	\$197,081.59	\$198,431.63
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$197,081.59	\$194,713.00	\$197,081.59	\$197,081.59	\$197,081.59	\$198,431.63
Net Fuel Lost Revenue (Electric)	\$197,081.59	\$194,713.00	\$197,081.59	\$197,081.59	\$197,081.59	\$198,431.63
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$197,081.59	\$194,713.00	\$197,081.59	\$197,081.59	\$197,081.59	\$198,431.63
<b>Societal Test</b>						
Avoided Electric Production	\$200,684.56	\$117,204.77	\$200,684.56	\$217,175.36	\$187,879.13	\$518,963.02
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$171,053.92	\$171,053.92	\$171,053.92	\$171,053.92	\$171,053.92	\$171,053.92
Avoided T&D Electric	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$371,738.48	\$288,258.69	\$371,738.48	\$388,229.28	\$358,933.06	\$690,016.94
Administration Costs	\$327,667.09	\$327,667.09	\$327,667.09	\$327,667.09	\$327,667.09	\$327,667.09
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$327,667.09	\$327,667.09	\$327,667.09	\$327,667.09	\$327,667.09	\$327,667.09
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Participant Test</b>						
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$197,081.59	\$194,713.00	\$197,081.59	\$197,081.59	\$197,081.59	\$198,431.63
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$197,081.59	\$194,713.00	\$197,081.59	\$197,081.59	\$197,081.59	\$198,431.63

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	1.14	0.88	1.14	1.19	1.10	2.19
TRC Test	1.14	0.88	1.14	1.19	1.10	2.19
RIM Test	0.55	0.43	0.55	0.57	0.53	1.04
RIM (Net Fuel)	0.55	0.43	0.55	0.57	0.53	1.04
Societal Test	1.14	0.88	1.14	1.19	1.10	2.19
Participant Test	N/A	N/A	N/A	N/A	N/A	N/A

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
<b>Utility (PAC) Test</b>						
Avoided Electric Production	\$371,380.07	\$224,198.74	\$371,380.07	\$403,007.43	\$349,019.04	\$985,089.19
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$290,911.19	\$290,911.19	\$290,911.19	\$290,911.19	\$290,911.19	\$290,911.19
Avoided T&D Electric	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$662,291.26	\$515,109.93	\$662,291.26	\$693,918.62	\$639,930.23	\$1,276,000.38
Administration Costs	\$582,519.27	\$582,519.27	\$582,519.27	\$582,519.27	\$582,519.27	\$582,519.27
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$582,519.27	\$582,519.27	\$582,519.27	\$582,519.27	\$582,519.27	\$582,519.27
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>TRC Test</b>						
Avoided Electric Production	\$371,380.07	\$224,198.74	\$371,380.07	\$403,007.43	\$349,019.04	\$985,089.19
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$290,911.19	\$290,911.19	\$290,911.19	\$290,911.19	\$290,911.19	\$290,911.19
Avoided T&D Electric	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$662,291.26	\$515,109.93	\$662,291.26	\$693,918.62	\$639,930.23	\$1,276,000.38
Administration Costs	\$582,519.27	\$582,519.27	\$582,519.27	\$582,519.27	\$582,519.27	\$582,519.27
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$582,519.27	\$582,519.27	\$582,519.27	\$582,519.27	\$582,519.27	\$582,519.27
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Tax Credits (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

<b>RIM Test</b>						
Avoided Electric Production	\$371,380.07	\$224,198.74	\$371,380.07	\$403,007.43	\$349,019.04	\$985,089.19
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$290,911.19	\$290,911.19	\$290,911.19	\$290,911.19	\$290,911.19	\$290,911.19
Avoided T&D Electric	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$662,291.26</b>	<b>\$515,109.93</b>	<b>\$662,291.26</b>	<b>\$693,918.62</b>	<b>\$639,930.23</b>	<b>\$1,276,000.38</b>
Administration Costs	\$582,519.27	\$582,519.27	\$582,519.27	\$582,519.27	\$582,519.27	\$582,519.27
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$582,519.27</b>	<b>\$582,519.27</b>	<b>\$582,519.27</b>	<b>\$582,519.27</b>	<b>\$582,519.27</b>	<b>\$582,519.27</b>
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$631,541.50	\$617,824.06	\$631,541.50	\$631,541.50	\$631,541.50	\$643,908.72
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$631,541.50</b>	<b>\$617,824.06</b>	<b>\$631,541.50</b>	<b>\$631,541.50</b>	<b>\$631,541.50</b>	<b>\$643,908.72</b>
Net Fuel Lost Revenue (Electric)	\$631,541.50	\$617,824.06	\$631,541.50	\$631,541.50	\$631,541.50	\$643,908.72
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$631,541.50</b>	<b>\$617,824.06</b>	<b>\$631,541.50</b>	<b>\$631,541.50</b>	<b>\$631,541.50</b>	<b>\$643,908.72</b>
<b>Societal Test</b>						
Avoided Electric Production	\$371,380.07	\$224,198.74	\$371,380.07	\$403,007.43	\$349,019.04	\$985,089.19
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$290,911.19	\$290,911.19	\$290,911.19	\$290,911.19	\$290,911.19	\$290,911.19
Avoided T&D Electric	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$662,291.26</b>	<b>\$515,109.93</b>	<b>\$662,291.26</b>	<b>\$693,918.62</b>	<b>\$639,930.23</b>	<b>\$1,276,000.38</b>
Administration Costs	\$582,519.27	\$582,519.27	\$582,519.27	\$582,519.27	\$582,519.27	\$582,519.27
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$582,519.27</b>	<b>\$582,519.27</b>	<b>\$582,519.27</b>	<b>\$582,519.27</b>	<b>\$582,519.27</b>	<b>\$582,519.27</b>
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Participant Test</b>						
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$631,541.50	\$617,824.06	\$631,541.50	\$631,541.50	\$631,541.50	\$643,908.72
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$631,541.50</b>	<b>\$617,824.06</b>	<b>\$631,541.50</b>	<b>\$631,541.50</b>	<b>\$631,541.50</b>	<b>\$643,908.72</b>



Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	1.63	1.19	1.63	1.71	1.56	3.30
TRC Test	1.36	0.99	1.36	1.43	1.30	2.75
RIM Test	0.80	0.59	0.80	0.84	0.77	1.61
RIM (Net Fuel)	0.80	0.59	0.80	0.84	0.77	1.61
Societal Test	1.36	0.99	1.36	1.43	1.30	2.75
Participant Test	5.19	5.13	5.19	5.19	5.19	5.23

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
<b>Utility (PAC) Test</b>						
Avoided Electric Production	\$586,392.73	\$342,467.94	\$586,392.73	\$634,578.25	\$548,975.77	\$1,516,390.44
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$318,947.39	\$318,947.39	\$318,947.39	\$318,947.39	\$318,947.39	\$318,947.39
Avoided T&D Electric	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$905,340.12	\$661,415.32	\$905,340.12	\$953,525.64	\$867,923.16	\$1,835,337.83
Administration Costs	\$556,997.86	\$556,997.86	\$556,997.86	\$556,997.86	\$556,997.86	\$556,997.86
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$556,997.86	\$556,997.86	\$556,997.86	\$556,997.86	\$556,997.86	\$556,997.86
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>TRC Test</b>						
Avoided Electric Production	\$586,392.73	\$342,467.94	\$586,392.73	\$634,578.25	\$548,975.77	\$1,516,390.44
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$318,947.39	\$318,947.39	\$318,947.39	\$318,947.39	\$318,947.39	\$318,947.39
Avoided T&D Electric	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$905,340.12	\$661,415.32	\$905,340.12	\$953,525.64	\$867,923.16	\$1,835,337.83
Administration Costs	\$556,997.86	\$556,997.86	\$556,997.86	\$556,997.86	\$556,997.86	\$556,997.86
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$556,997.86	\$556,997.86	\$556,997.86	\$556,997.86	\$556,997.86	\$556,997.86
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$110,874.49	\$110,874.49	\$110,874.49	\$110,874.49	\$110,874.49	\$110,874.49
Participant Tax Credits (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

<b>RIM Test</b>						
Avoided Electric Production	\$586,392.73	\$342,467.94	\$586,392.73	\$634,578.25	\$548,975.77	\$1,516,390.44
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$318,947.39	\$318,947.39	\$318,947.39	\$318,947.39	\$318,947.39	\$318,947.39
Avoided T&D Electric	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$905,340.12	\$661,415.32	\$905,340.12	\$953,525.64	\$867,923.16	\$1,835,337.83
Administration Costs	\$556,997.86	\$556,997.86	\$556,997.86	\$556,997.86	\$556,997.86	\$556,997.86
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$556,997.86	\$556,997.86	\$556,997.86	\$556,997.86	\$556,997.86	\$556,997.86
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$575,864.99	\$568,944.06	\$575,864.99	\$575,864.99	\$575,864.99	\$579,809.76
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$575,864.99	\$568,944.06	\$575,864.99	\$575,864.99	\$575,864.99	\$579,809.76
Net Fuel Lost Revenue (Electric)	\$575,864.99	\$568,944.06	\$575,864.99	\$575,864.99	\$575,864.99	\$579,809.76
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$575,864.99	\$568,944.06	\$575,864.99	\$575,864.99	\$575,864.99	\$579,809.76
<b>Societal Test</b>						
Avoided Electric Production	\$586,392.73	\$342,467.94	\$586,392.73	\$634,578.25	\$548,975.77	\$1,516,390.44
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$318,947.39	\$318,947.39	\$318,947.39	\$318,947.39	\$318,947.39	\$318,947.39
Avoided T&D Electric	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$905,340.12	\$661,415.32	\$905,340.12	\$953,525.64	\$867,923.16	\$1,835,337.83
Administration Costs	\$556,997.86	\$556,997.86	\$556,997.86	\$556,997.86	\$556,997.86	\$556,997.86
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$556,997.86	\$556,997.86	\$556,997.86	\$556,997.86	\$556,997.86	\$556,997.86
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$110,874.49	\$110,874.49	\$110,874.49	\$110,874.49	\$110,874.49	\$110,874.49
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Participant Test</b>						
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (gross)	\$110,874.49	\$110,874.49	\$110,874.49	\$110,874.49	\$110,874.49	\$110,874.49
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$575,864.99	\$568,944.06	\$575,864.99	\$575,864.99	\$575,864.99	\$579,809.76
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$575,864.99	\$568,944.06	\$575,864.99	\$575,864.99	\$575,864.99	\$579,809.76

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	0.98	0.71	0.98	1.04	0.94	2.09
TRC Test	0.77	0.56	0.77	0.81	0.73	1.63
RIM Test	0.46	0.34	0.46	0.48	0.44	0.97
RIM (Net Fuel)	0.46	0.34	0.46	0.48	0.44	0.97
Societal Test	0.77	0.56	0.77	0.81	0.73	1.63
Participant Test	4.05	3.96	4.05	4.05	4.05	4.13

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
<b>Utility (PAC) Test</b>						
Avoided Electric Production	\$832,639.86	\$502,657.05	\$832,639.86	\$903,548.90	\$782,506.10	\$2,208,585.20
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$382,322.56	\$382,322.56	\$382,322.56	\$382,322.56	\$382,322.56	\$382,322.56
Avoided T&D Electric	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,214,962.41	\$884,979.61	\$1,214,962.41	\$1,285,871.46	\$1,164,828.65	\$2,590,907.75
Administration Costs	\$1,237,772.36	\$1,237,772.36	\$1,237,772.36	\$1,237,772.36	\$1,237,772.36	\$1,237,772.36
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,237,772.36	\$1,237,772.36	\$1,237,772.36	\$1,237,772.36	\$1,237,772.36	\$1,237,772.36
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>TRC Test</b>						
Avoided Electric Production	\$832,639.86	\$502,657.05	\$832,639.86	\$903,548.90	\$782,506.10	\$2,208,585.20
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$382,322.56	\$382,322.56	\$382,322.56	\$382,322.56	\$382,322.56	\$382,322.56
Avoided T&D Electric	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,214,962.41	\$884,979.61	\$1,214,962.41	\$1,285,871.46	\$1,164,828.65	\$2,590,907.75
Administration Costs	\$1,237,772.36	\$1,237,772.36	\$1,237,772.36	\$1,237,772.36	\$1,237,772.36	\$1,237,772.36
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,237,772.36	\$1,237,772.36	\$1,237,772.36	\$1,237,772.36	\$1,237,772.36	\$1,237,772.36
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$349,588.02	\$349,588.02	\$349,588.02	\$349,588.02	\$349,588.02	\$349,588.02
Participant Tax Credits (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

<b>RIM Test</b>						
Avoided Electric Production	\$832,639.86	\$502,657.05	\$832,639.86	\$903,548.90	\$782,506.10	\$2,208,585.20
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$382,322.56	\$382,322.56	\$382,322.56	\$382,322.56	\$382,322.56	\$382,322.56
Avoided T&D Electric	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,214,962.41	\$884,979.61	\$1,214,962.41	\$1,285,871.46	\$1,164,828.65	\$2,590,907.75
Administration Costs	\$1,237,772.36	\$1,237,772.36	\$1,237,772.36	\$1,237,772.36	\$1,237,772.36	\$1,237,772.36
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,237,772.36	\$1,237,772.36	\$1,237,772.36	\$1,237,772.36	\$1,237,772.36	\$1,237,772.36
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$1,415,925.82	\$1,385,171.10	\$1,415,925.82	\$1,415,925.82	\$1,415,925.82	\$1,443,653.32
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,415,925.82	\$1,385,171.10	\$1,415,925.82	\$1,415,925.82	\$1,415,925.82	\$1,443,653.32
Net Fuel Lost Revenue (Electric)	\$1,415,925.82	\$1,385,171.10	\$1,415,925.82	\$1,415,925.82	\$1,415,925.82	\$1,443,653.32
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,415,925.82	\$1,385,171.10	\$1,415,925.82	\$1,415,925.82	\$1,415,925.82	\$1,443,653.32
<b>Societal Test</b>						
Avoided Electric Production	\$832,639.86	\$502,657.05	\$832,639.86	\$903,548.90	\$782,506.10	\$2,208,585.20
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$382,322.56	\$382,322.56	\$382,322.56	\$382,322.56	\$382,322.56	\$382,322.56
Avoided T&D Electric	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,214,962.41	\$884,979.61	\$1,214,962.41	\$1,285,871.46	\$1,164,828.65	\$2,590,907.75
Administration Costs	\$1,237,772.36	\$1,237,772.36	\$1,237,772.36	\$1,237,772.36	\$1,237,772.36	\$1,237,772.36
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,237,772.36	\$1,237,772.36	\$1,237,772.36	\$1,237,772.36	\$1,237,772.36	\$1,237,772.36
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$349,588.02	\$349,588.02	\$349,588.02	\$349,588.02	\$349,588.02	\$349,588.02
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Participant Test</b>						
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (gross)	\$349,588.02	\$349,588.02	\$349,588.02	\$349,588.02	\$349,588.02	\$349,588.02
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$1,415,925.82	\$1,385,171.10	\$1,415,925.82	\$1,415,925.82	\$1,415,925.82	\$1,443,653.32
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,415,925.82	\$1,385,171.10	\$1,415,925.82	\$1,415,925.82	\$1,415,925.82	\$1,443,653.32

**Louisville Gas and Electric Company**  
**Supporting Calculations for the**  
**DSM Cost Recovery Mechanism**  
**ELECTRIC SERVICE**  
**Appendix C**

# Louisville Gas and Electric Company

P.S.C. Electric No. 10, Second Revision of Original Sheet No. 86.10  
Canceling P.S.C. Electric No. 10, First Revision of Original Sheet No. 86.10

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**Adjustment Clause** **DSM**  
**Demand-Side Management Cost Recovery Mechanism**

## Monthly Adjustment Factors

Residential Service Rate RS, Residential Time-of-Day Energy Service Rate RTOD-Energy, Residential Time-of-Day Demand Service Rate RTOD-Demand and Volunteer Fire Department Service Rate VFD	<u>Energy Charge</u>	
DSM Cost Recovery Component (DCR)	\$ 0.00170 per kWh	
DSM Revenues from Lost Sales (DRLS)	\$ 0.00000 per kWh	
DSM Incentive (DSMI)	\$ 0.00008 per kWh	
DSM Capital Cost Recovery Component (DCCR)	\$ 0.00138 per kWh	
DSM Balance Adjustment (DBA)	\$ <u>0.00040</u> per kWh	
Total DSMRC for Rates RS, RTOD-Energy, RTOD-Demand, and VFD	\$ 0.00356 per kWh	
<u>General Service Rate GS*</u>	<u>Energy Charge</u>	
DSM Cost Recovery Component (DCR)	\$ 0.00090 per kWh	I
DSM Revenues from Lost Sales (DRLS)	\$ 0.00010 per kWh	I
DSM Incentive (DSMI)	\$ 0.00005 per kWh	I
DSM Capital Cost Recovery Component (DCCR)	\$ 0.00011 per kWh	
DSM Balance Adjustment (DBA)	\$ <u>(0.00024)</u> per kWh	
Total DSMRC for Rate GS	\$ 0.00092 per kWh	I
<u>Power Service Rate PS*</u>	<u>Energy Charge</u>	
DSM Cost Recovery Component (DCR)	\$ 0.00036 per kWh	I
DSM Revenues from Lost Sales (DRLS)	\$ 0.00004 per kWh	I
DSM Incentive (DSMI)	\$ 0.00001 per kWh	
DSM Capital Cost Recovery Component (DCCR)	\$ 0.00024 per kWh	
DSM Balance Adjustment (DBA)	\$ <u>0.00015</u> per kWh	
Total DSMRC for Rate PS	\$ 0.00080 per kWh	I
Time-of-Day Secondary Service Rate TODS*, Time-of-Day Primary Service Rate TODP*, and Retail Transmission Service Rate RTS*	<u>Energy Charge</u>	
DSM Cost Recovery Component (DCR)	\$ 0.00026 per kWh	I
DSM Revenues from Lost Sales (DRLS)	\$ 0.00002 per kWh	I
DSM Incentive (DSMI)	\$ 0.00001 per kWh	
DSM Capital Cost Recovery Component (DCCR)	\$ 0.00003 per kWh	
DSM Balance Adjustment (DBA)	\$ <u>(0.00018)</u> per kWh	
Total DSMRC for Rates TODS, and TODP	\$ 0.00014 per kWh	I

\* These charges do not apply to industrial customers taking service under these rates because the Company currently does not offer industrial DSM programs.

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**DATE OF ISSUE:** December 11, 2015

**DATE EFFECTIVE:** January 10, 2016

**ISSUED BY:** /s/ Edwin R. Staton, Vice President  
State Regulation and Rates  
Louisville, Kentucky

**Issued by Authority of an Order of the  
Public Service Commission in Case No.  
2015-00398 dated \_\_\_\_\_**

# Louisville Gas and Electric Company

P.S.C. Electric No. 10, Second Revision of Original Sheet No. 86.10  
Canceling P.S.C. Electric No. 10, First Revision of Original Sheet No. 86.10

Deleted: P.S.C. Electric No. 10, Original Sheet No. 86.10

**Adjustment Clause** **DSM**  
**Demand-Side Management Cost Recovery Mechanism**

## Monthly Adjustment Factors

Residential Service Rate RS, Residential Time-of-Day Energy Service Rate RTOD-Energy, Residential Time-of-Day Demand Service Rate RTOD-Demand and Volunteer Fire Department Service Rate VFD

	<u>Energy Charge</u>
DSM Cost Recovery Component (DCR)	\$ 0.00170 per kWh
DSM Revenues from Lost Sales (DRLS)	\$ 0.00000 per kWh
DSM Incentive (DSMI)	\$ 0.00008 per kWh
DSM Capital Cost Recovery Component (DCCR)	\$ 0.00138 per kWh
DSM Balance Adjustment (DBA)	\$ <u>0.00040</u> per kWh
Total DSMRC for Rates RS, RTOD-Energy, RTOD-Demand, and VFD	\$ 0.00356 per kWh

### General Service Rate GS\*

	<u>Energy Charge</u>
DSM Cost Recovery Component (DCR)	\$ 0.00090 per kWh
DSM Revenues from Lost Sales (DRLS)	\$ 0.00010 per kWh
DSM Incentive (DSMI)	\$ 0.00005 per kWh
DSM Capital Cost Recovery Component (DCCR)	\$ 0.00011 per kWh
DSM Balance Adjustment (DBA)	\$ <u>(0.00024)</u> per kWh
Total DSMRC for Rate GS	\$ 0.00092 per kWh

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### Power Service Rate PS\*

	<u>Energy Charge</u>
DSM Cost Recovery Component (DCR)	\$ 0.00036 per kWh
DSM Revenues from Lost Sales (DRLS)	\$ 0.00004 per kWh
DSM Incentive (DSMI)	\$ 0.00001 per kWh
DSM Capital Cost Recovery Component (DCCR)	\$ 0.00024 per kWh
DSM Balance Adjustment (DBA)	\$ <u>0.00015</u> per kWh
Total DSMRC for Rate PS	\$ 0.00080 per kWh

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Time-of-Day Secondary Service Rate TODS\*, Time-of-Day Primary Service Rate TODP\*, and Retail Transmission Service Rate RTS\*

	<u>Energy Charge</u>
DSM Cost Recovery Component (DCR)	\$ 0.00026 per kWh
DSM Revenues from Lost Sales (DRLS)	\$ 0.00002 per kWh
DSM Incentive (DSMI)	\$ 0.00001 per kWh
DSM Capital Cost Recovery Component (DCCR)	\$ 0.00003 per kWh
DSM Balance Adjustment (DBA)	\$ <u>(0.00018)</u> per kWh
Total DSMRC for Rates TODS, and TODP	\$ 0.00014 per kWh

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\* These charges do not apply to industrial customers taking service under these rates because the Company currently does not offer industrial DSM programs.

**DATE OF ISSUE:** December 11, 2015

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**DATE EFFECTIVE:** January 10, 2016

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**ISSUED BY:** /s/ Edwin R. Staton, Vice President  
 State Regulation and Rates  
 Louisville, Kentucky

**Issued by Authority of an Order of the Public Service Commission in Case No. 2015-00398 dated \_\_\_\_\_**

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**Summary of Total DSM Recovery Component (DSMRC)  
 12-Month Period Beginning January 1, 2016**

Rate Schedule		Cost Recovery Component (DCR)	Lost Sales Component (DRLS)	Incentive Component (DSMI)	Capital Cost Recovery Component (DCCR)	Balance Adj Component (DBA)	DSM Recovery Component (DSMRC)	
<b><u>New KSBA Program Rate Schedule</u></b>								
Residential Service, Volunteer Fire Dept., & Residential Time- of-Day Energy and Demand	RS, VFD, RTOD- Energy & RTOD- Demand	0.000	0.000	0.000	0.000	0.000	0.000	¢/kWh
General Service	GS	0.015	0.010	0.001	0.000	0.000	0.026	¢/kWh
Commercial Service under Power Service	PS	0.007	0.004	0.000	0.000	0.000	0.011	¢/kWh
Time-of-Day - Primary & Secondary	TODP & TODS	0.004	0.002	0.000	0.000	0.000	0.006	¢/kWh
<b><u>Existing 2015 DSM Program Rate Schedule</u></b>								
Residential Service, Volunteer Fire Dept., & Residential Time- of-Day Energy and Demand	RS, VFD, RTOD- Energy & RTOD- Demand	0.170	0.000	0.008	0.138	0.040	0.356	¢/kWh
General Service	GS	0.075	0.000	0.004	0.011	(0.024)	0.066	¢/kWh
Commercial Service under Power Service	PS	0.029	0.000	0.001	0.024	0.015	0.069	¢/kWh
Time-of-Day - Primary & Secondary	TODP & TODS	0.022	0.000	0.001	0.003	(0.018)	0.008	¢/kWh
<b><u>Total New DSM Program Rate Schedule</u></b>								
Residential Service, Volunteer Fire Dept., & Residential Time- of-Day Energy and Demand	RS, VFD, RTOD- Energy & RTOD- Demand	0.170	0.000	0.008	0.138	0.040	0.356	¢/kWh
General Service	GS	0.090	0.010	0.005	0.011	(0.024)	0.092	¢/kWh
Commercial Service under Power Service	PS	0.036	0.004	0.001	0.024	0.015	0.080	¢/kWh
Time-of-Day - Primary & Secondary	TODP & TODS	0.026	0.002	0.001	0.003	(0.018)	0.014	¢/kWh



**Summary of DSM Revenues from DSM Cost Recovery Component (DCR)**  
**12-Month Period Beginning January 1, 2016**

Rate Schedule		DSM Cost Recovery Total Amount	Estimated Billing Determinants		DSM Cost Recovery Component (DCR)	
Residential Service, Residential Time-of-Day Energy, Residential Time-of- Day Demand & Volunteer Fire Dept.,	RS, RTOD- Energy RTOD- Demand & VFD	\$ -	4,254,765,508 kWh		0.000	¢/kWh
General Service	GS	\$ 206,053	1,361,926,369 kWh		0.015	¢/kWh
Commercial Service under Power Service	PS	\$ 131,540	1,827,178,852 kWh		0.007	¢/kWh
Time-of-Day - Primary & Secondary	TODP & TODS	\$ 42,579	1,066,767,918 kWh		0.004	¢/kWh
Total DCR Amount		\$ 380,172				

Program costs, which are categorized by residential and commercial must be allocated to the individual rate schedules. The first step, allocation between gas and electric, and between LGE and KU, is shown on "DSM Budget Allocation" page.

Next, the DSM Program costs are further assigned to the rate schedules, which is the second and final step of the cost allocation process and is shown on the "Calculation of DCR Component from Forecast Sales" page. The total amount to be collected for each rate class is divided by the forecasted sales for that rate class to calculate the component rate in terms of ¢ / kWh.

Louisville Gas and Electric - Electric Service  
DCR Summary

**DSM Budget Allocation**

Program	Allocation	2016	Program	Allocation	2016
<b>Total of All Programs</b>			<b>KSBA</b>		
LGE: RS et al	0.0%	0	LGE: RS et al	0.0%	0
LGE: RGS et al	0.0%	0	LGE: RGS et al	0.0%	0
LGE: GS et al	16.8%	206,053	LGE: GS et al	16.8%	206,053
LGE: PS	10.7%	131,540	LGE: PS	10.7%	131,540
LGE: CTOD et al	3.5%	42,579	LGE: CTOD et al	3.5%	42,579
LGE: CGS et al	0.0%	0	LGE: CGS et al	0.0%	0
KU: RS et al	0.0%	0	KU: RS et al	0.0%	0
KU: GS	36.8%	451,138	KU: GS	36.8%	451,138
KU: AES	1.2%	15,207	KU: AES	1.2%	15,207
KU: PS et al	30.9%	378,483	KU: PS et al	30.9%	378,483
Total	100.0%	1,225,000	Total	100.0%	1,225,000

*Note: Residential DLC, Commercial DLC and Advance Metering Systems all run through the DCCR component of the DSM Mechanism.*

Louisville Gas and Electric - Electric Service  
DCR Summary

**Calculation of DCR Component from Forecast Sales  
12-Month Period Beginning January 1, 2016**

Forecast Sales kWh	Residential Service RS et al	General Service GS	Power Service PS	Time of Day TOD et al
January 2016	380,406,580	114,628,718	153,742,981	89,091,557
February 2016	340,027,159	109,410,588	141,165,728	84,287,927
March 2016	308,883,610	105,449,036	135,853,951	84,081,784
April 2016	272,955,175	101,453,171	134,522,106	84,626,332
May 2016	261,994,405	99,654,720	141,874,854	86,229,606
June 2016	376,536,617	116,283,386	161,469,167	92,101,872
July 2016	499,772,463	135,196,311	173,165,669	95,452,646
August 2016	507,578,434	137,290,344	175,544,034	95,368,600
September 2016	448,304,606	130,585,630	175,830,442	96,808,092
October 2016	278,237,294	106,188,157	149,785,603	87,510,560
November 2016	259,067,658	99,369,408	138,858,391	83,758,603
December 2016	321,001,507	106,416,900	145,365,926	87,450,339
<b>Total</b>	<b>4,254,765,508</b>	<b>1,361,926,369</b>	<b>1,827,178,852</b>	<b>1,066,767,918</b>
Total Program Costs	\$ -	\$ 206,053	\$ 131,540	\$ 42,579
DCR Factor in ¢ per kWh	0.000	0.015	0.007	0.004

**Summary of DSM Revenues from DSM Lost Sales Component (DRLS)  
12-Month Period Beginning January 1, 2016**

Rate Schedule		Lost Net Revenues Total Amount	Estimated Billing Determinants		DSM Revenue from Lost Sales Component (DRLS)	
Residential Service, Residential Time-of-Day Energy, Residential Time-of- Day Demand & Volunteer Fire Dept.,	RS, RTOD- Energy RTOD- Demand & VFD	\$ -	4,254,765,508 kWh		0.000	¢/kWh
General Service	GS	\$ 132,328	1,361,926,369 kWh		0.010	¢/kWh
Commercial Service under Power Service	PS	\$ 70,643	1,827,178,852 kWh		0.004	¢/kWh
Time-of-Day - Primary & Secondary	TODP & TODS	\$ 18,692	1,066,767,918 kWh		0.002	¢/kWh
Total DRLS Amount		\$ 221,663				

**Calculation of DRLS Component from Forecast Sales  
12-Month Period Beginning January 1, 2016**

Forecast Sales kWh	Residential Service RS et al	General Service GS	Power Service PS	Time of Day CTOD et al
January 2016	380,406,580	114,628,718	153,742,981	89,091,557
February 2016	340,027,159	109,410,588	141,165,728	84,287,927
March 2016	308,883,610	105,449,036	135,853,951	84,081,784
April 2016	272,955,175	101,453,171	134,522,106	84,626,332
May 2016	261,994,405	99,654,720	141,874,854	86,229,606
June 2016	376,536,617	116,283,386	161,469,167	92,101,872
July 2016	499,772,463	135,196,311	173,165,669	95,452,646
August 2016	507,578,434	137,290,344	175,544,034	95,368,600
September 2016	448,304,606	130,585,630	175,830,442	96,808,092
October 2016	278,237,294	106,188,157	149,785,603	87,510,560
November 2016	259,067,658	99,369,408	138,858,391	83,758,603
December 2016	321,001,507	106,416,900	145,365,926	87,450,339
<b>Total</b>	<b>4,254,765,508</b>	<b>1,361,926,369</b>	<b>1,827,178,852</b>	<b>1,066,767,918</b>
Total Energy Savings	-	2,183,632	1,390,608	447,182
Non-variable Revenue per kWh	0.0514	0.0606	0.0508	0.0418
Lost Net Revenue	\$ -	\$ 132,328	\$ 70,643	\$ 18,692
DRLS Factor in ¢ per kWh	0.000	0.010	0.004	0.002

**Summary of DSM Revenues from DSM Incentive Component (DSMI)**  
**12-Month Period Beginning January 1, 2016**

Rate Schedule		DSM Incentive Total Amount	Estimated Billing Determinants		DSM Incentive Component (DSMI)	
Residential Service, Residential Time-of-Day Energy, Residential Time-of- Day Demand & Volunteer Fire Dept.,	RS, RTOD- Energy RTOD- Demand & VFD	\$ -	4,254,765,508 kWh		0.000	¢/kWh
General Service	GS	\$ 10,303	1,361,926,369 kWh		0.001	¢/kWh
Commercial Service under Power Service	PS	\$ 6,577	1,827,178,852 kWh		0.000	¢/kWh
Time-of-Day - Primary & Secondary	TODP & TODS	\$ 2,129	1,066,767,918 kWh		0.000	¢/kWh
<b>Total DSMI Amount</b>		<b>\$ 19,009</b>				

Incentives for each individual program is calculated as 15% of Net Resource Benefits (as specified in the California Standardized Tests) capped at 5% of program costs. The incentive by programs is then allocated across the rate classes using the same method as the cost recovery component.

**Calculation of DSMI Component from Forecast Sales  
12-Month Period Beginning January 1, 2016**

Forecast Sales kWh	Residential Service RS et al	General Service GS	Power Service PS	Time of Day TOD et al
January 2016	380,406,580	114,628,718	153,742,981	89,091,557
February 2016	340,027,159	109,410,588	141,165,728	84,287,927
March 2016	308,883,610	105,449,036	135,853,951	84,081,784
April 2016	272,955,175	101,453,171	134,522,106	84,626,332
May 2016	261,994,405	99,654,720	141,874,854	86,229,606
June 2016	376,536,617	116,283,386	161,469,167	92,101,872
July 2016	499,772,463	135,196,311	173,165,669	95,452,646
August 2016	507,578,434	137,290,344	175,544,034	95,368,600
September 2016	448,304,606	130,585,630	175,830,442	96,808,092
October 2016	278,237,294	106,188,157	149,785,603	87,510,560
November 2016	259,067,658	99,369,408	138,858,391	83,758,603
December 2016	321,001,507	106,416,900	145,365,926	87,450,339
<b>Total</b>	<b>4,254,765,508</b>	<b>1,361,926,369</b>	<b>1,827,178,852</b>	<b>1,066,767,918</b>
Total Program Incentive	\$ -	\$ 10,303	\$ 6,577	\$ 2,129
DSMI Factor in ¢ per kWh	0.000	0.001	0.000	0.000

**Summary of DSM Revenues from DSM Capital Cost Recovery (DCCR)  
12-Month Period Beginning January 1, 2016**

Rate Schedule		DSM Capital Cost Recovery Total Amount	Estimated Billing Determinants		DSM Capital Cost Recovery Component (DCCR)	
Residential Service, Residential Time-of-Day Energy, Residential Time-of- Day Demand & Volunteer Fire Dept.,	RS, RTOD- Energy RTOD- Demand & VFD	\$ -	4,254,765,508 kWh		0.000	¢/kWh
General Service	GS	\$ -	1,361,926,369 kWh		0.000	¢/kWh
Commercial Service under Power Service	PS	\$ -	1,827,178,852 kWh		0.000	¢/kWh
Time-of-Day - Primary & Secondary	TODP & TODS	\$ -	1,066,767,918 kWh		0.000	¢/kWh
Total DCCR Amount		\$ -				

The DSM Capital Cost Recovery (DCCR), allows the Companies' to earn an approved rate of return on equity exclusively for the capital expenditures. The Companies' return on equity is equal to 10.50%.



**Calculation of Total E(m) and Jurisdictional Surcharge Billing Factor  
12-Month Period Beginning January 1, 2016**

**Calculation of Total E(m)**

$E(m) = [(RB) (ROR+(ROR -DR)(TR/(1-TR)))] + OE$ , where

RB	=	DSM Rate Base	=	\$	0
ROR	=	Rate of Return on the DSM Rate Base	=	7.14%	
DR	=	Debt Rate (both short-term and long-term debt)	=	1.94%	
TR	=	Composite Federal & State Income Tax Rate	=	38.90%	
OE	=	Operating Expenses			

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**DSM Plans**

RB		=	\$	0
(ROR + (ROR - DR) (TR / (1 - TR)))		=	10.45%	
Return on Rate Base		=	\$	0
OE		=	\$	0
E(m)		=	\$	-

---

**E(m) by Rate Class**

Electric	Residential Service	RS et al	\$	-
	General Service	GS	\$	-
	Power Service	PS	\$	-
	Commercial T-of-D	CTOD et al	\$	-
	Total		\$	-

**Calculation of Base Rate and Operating Expense  
12-Month Period Beginning January 1, 2016**

**Determination of DSM Rate Base**

Eligible Plant / Capital Expenditures In Service	\$	0	
Eligible Accumulated Depreciation	\$	0	
CWIP Amount Excluding AFUDC	\$	0	
Eligible Net Plant / Capital Expenditures In Service		\$	0
Deferred Tax Balance as of January 1, 2016		\$	0
Yearly Depreciation Expense		\$	0
Yearly Property Tax Expense		\$	0
		\$	0
Total		\$	0

**Determination of DSM Operating Expenses**

		O&M	Depreciation Expense	Property Tax Expense
Demand Load Conservation	Residential	\$ -	\$ -	\$ -
	Commercial	\$ -	\$ -	\$ -
	Total	\$ -	\$ -	\$ -
AMI / Smart Grid	Residential	\$ -	\$ -	\$ -
	Commercial	\$ -	\$ -	\$ -
	Total	\$ -	\$ -	\$ -
			<b>Total Operating Expenses</b>	
	Residential		\$	-
	Commercial		\$	-
Total Operating Expenses	Total		\$	-

**Calculation of DCCR Component from Forecast Sales  
12-Month Period Beginning January 1, 2016**

Forecast Sales kWh	Residential Service RS et al	General Service GS	Power Service PS	Commercial Time of Day CTOD et al
January 2016	380,406,580	114,628,718	153,742,981	89,091,557
February 2016	340,027,159	109,410,588	141,165,728	84,287,927
March 2016	308,883,610	105,449,036	135,853,951	84,081,784
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November 2016	259,067,658	99,369,408	138,858,391	83,758,603
December 2016	321,001,507	106,416,900	145,365,926	87,450,339
<b>Total</b>	<b>4,254,765,508</b>	<b>1,361,926,369</b>	<b>1,827,178,852</b>	<b>1,066,767,918</b>
Total DCCR Program Component	\$ -	\$ -	\$ -	\$ -
DCCR Factor in ¢ per kWh	0.000	0.000	0.000	0.000

**Rate Base by Program**  
**12-Month Period Beginning January 1, 2016**

**Rate Base by Program**

Demand Load Conservation	Residential	\$	0
	Commercial	\$	<u>0</u>
	Total	\$	0

AMI / Smart Grid	Residential	\$	0
	Commercial	\$	<u>0</u>
	Total	\$	0

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Allocation between Residential and Commercial	Residential	\$	0
	Commercial	\$	<u>0</u>
	Total	\$	0

**Kentucky Utilities Company**  
**Supporting Calculations for the**  
**DSM Cost Recovery Mechanism**  
**ELECTRIC SERVICE**

**Appendix D**

# Kentucky Utilities Company

P.S.C. No. 17, Second Revision of Original Sheet No. 86.10  
 Canceling P.S.C. No. 17, First Revision of Original Sheet No. 86.10

**Adjustment Clause** **DSM**  
**Demand-Side Management Cost Recovery Mechanism**

**Monthly Adjustment Factors**

Residential Service Rate RS, Residential Time-of-Day  
 Energy Service Rate RTOD-Energy, Residential  
 Time-of-Day Demand Service Rate RTOD-Demand,  
and Volunteer Fire Department Service Rate VFD

	<u>Energy Charge</u>
DSM Cost Recovery Component (DCR)	\$ 0.00167 per kWh
DSM Revenues from Lost Sales (DRLS)	\$ 0.00000 per kWh
DSM Incentive (DSMI)	\$ 0.00008 per kWh
DSM Capital Cost Recovery Component (DCCR)	\$ 0.00090 per kWh
DSM Balance Adjustment (DBA)	\$(0.00006) per kWh
Total DSMRC for Rates RS, RTOD-Energy, RTOD-Demand, and VFD	\$ 0.00259 per kWh

General Service Rate GS\*

	<u>Energy Charge</u>	
DSM Cost Recovery Component (DCR)	\$ 0.00094 per kWh	I
DSM Revenues from Lost Sales (DRLS)	\$ 0.00008 per kWh	I
DSM Incentive (DSMI)	\$ 0.00004 per kWh	I
DSM Capital Cost Recovery Component (DCCR)	\$ 0.00008 per kWh	
DSM Balance Adjustment (DBA)	\$(0.00017) per kWh	
Total DSMRC for Rate GS	\$ 0.00097 per kWh	I

All Electric School Rate AES

	<u>Energy Charge</u>	
DSM Cost Recovery Component (DCR)	\$ 0.00034 per kWh	I
DSM Revenues from Lost Sales (DRLS)	\$ 0.00002 per kWh	I
DSM Incentive (DSMI)	\$ 0.00001 per kWh	
DSM Capital Cost Recovery Component (DCCR)	\$ 0.00031 per kWh	
DSM Balance Adjustment (DBA)	\$(0.00006) per kWh	
Total DSMRC for Rate AES	\$ 0.00062 per kWh	I

Power Service Rate PS\*, Time of Day Secondary Service  
 Rate TODS\*, Time-of-Day Primary Service Rate TODP\*,  
and Retail Transmission Service Rate RTS\*

	<u>Energy Charge</u>	
DSM Cost Recovery Component (DCR)	\$ 0.00035 per kWh	I
DSM Revenues from Lost Sales (DRLS)	\$ 0.00002 per kWh	I
DSM Incentive (DSMI)	\$ 0.00002 per kWh	I
DSM Capital Cost Recovery Component (DCCR)	\$ 0.00013 per kWh	
DSM Balance Adjustment (DBA)	\$(0.00009) per kWh	
Total DSMRC for Rates PS, TODS, TODP and RTS	\$ 0.00043 per kWh	I

\* These charges do not apply to industrial customers taking service under these rates because the Company currently does not offer industrial DSM programs.

**DATE OF ISSUE:** December 11, 2015

**DATE EFFECTIVE:** January 10, 2016

**ISSUED BY:** /s/ Edwin R. Staton, Vice President  
 State Regulation and Rates  
 Lexington, Kentucky

**Issued by Authority of an Order of the  
 Public Service Commission in Case No.  
 2015-00398 dated \_\_\_\_\_**

# Kentucky Utilities Company

P.S.C. No. 17, Second Revision of Original Sheet No. 86.10  
Canceling P.S.C. No. 17, First Revision of Original Sheet No. 86.10

**Adjustment Clause** **DSM**  
**Demand-Side Management Cost Recovery Mechanism**

Deleted: P.S.C. No. 17, Original Sheet No. 86.10¶

**Monthly Adjustment Factors**

Residential Service Rate RS, Residential Time-of-Day  
 Energy Service Rate RTOD-Energy, Residential  
 Time-of-Day Demand Service Rate RTOD-Demand,  
and Volunteer Fire Department Service Rate VFD

	<u>Energy Charge</u>
DSM Cost Recovery Component (DCR)	\$ 0.00167 per kWh
DSM Revenues from Lost Sales (DRLS)	\$ 0.00000 per kWh
DSM Incentive (DSMI)	\$ 0.00008 per kWh
DSM Capital Cost Recovery Component (DCCR)	\$ 0.00090 per kWh
DSM Balance Adjustment (DBA)	\$(0.00006) per kWh
Total DSMRC for Rates RS, RTOD-Energy, RTOD-Demand, and VFD	\$ 0.00259 per kWh

General Service Rate GS\*

	<u>Energy Charge</u>
DSM Cost Recovery Component (DCR)	\$ 0.00094 per kWh
DSM Revenues from Lost Sales (DRLS)	\$ 0.00008 per kWh
DSM Incentive (DSMI)	\$ 0.00004 per kWh
DSM Capital Cost Recovery Component (DCCR)	\$ 0.00008 per kWh
DSM Balance Adjustment (DBA)	\$(0.00017) per kWh
Total DSMRC for Rate GS	\$ 0.00097 per kWh

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All Electric School Rate AES

	<u>Energy Charge</u>
DSM Cost Recovery Component (DCR)	\$ 0.00034 per kWh
DSM Revenues from Lost Sales (DRLS)	\$ 0.00002 per kWh
DSM Incentive (DSMI)	\$ 0.00001 per kWh
DSM Capital Cost Recovery Component (DCCR)	\$ 0.00031 per kWh
DSM Balance Adjustment (DBA)	\$(0.00006) per kWh
Total DSMRC for Rate AES	\$ 0.00062 per kWh

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Power Service Rate PS\*, Time of Day Secondary Service  
 Rate TODS\*, Time-of-Day Primary Service Rate TODP\*,  
and Retail Transmission Service Rate RTS\*

	<u>Energy Charge</u>
DSM Cost Recovery Component (DCR)	\$ 0.00035 per kWh
DSM Revenues from Lost Sales (DRLS)	\$ 0.00002 per kWh
DSM Incentive (DSMI)	\$ 0.00002 per kWh
DSM Capital Cost Recovery Component (DCCR)	\$ 0.00013 per kWh
DSM Balance Adjustment (DBA)	\$(0.00009) per kWh
Total DSMRC for Rates PS, TODS, TODP and RTS	\$ 0.00043 per kWh

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\* These charges do not apply to industrial customers taking service under these rates because the Company currently does not offer industrial DSM programs.

**DATE OF ISSUE:** December 11, 2015

Deleted: July 10

**DATE EFFECTIVE:** January 10, 2016

Deleted: July 1, 2015

**ISSUED BY:** /s/ Edwin R. Staton, Vice President  
 State Regulation and Rates  
 Lexington, Kentucky

**Issued by Authority of an Order of the  
 Public Service Commission in Case No.  
 2015-00398, dated** \_\_\_\_\_

Deleted: ¶  
 2014-00371

Deleted: June 30, 2015

**Summary of Total DSM Recovery Component (DSMRC)  
12-Month Period Beginning January 1, 2016**

Rate Schedule		Cost Recovery Component (DCR)	Lost Sales Component (DRLS)	Incentive Component (DSMI)	Capital Cost Recovery Component (DCCR)	Balance Adj Component (DBA)	DSM Recovery Component (DSMRC)	
<b><u>New KSBA Program Rate Schedule</u></b>								
Residential Service, Residential Time-of-Day Energy, Residential Time-of-Day Demand & Volunteer Fire Dept.,	RS, RTOD- Energy RTOD- Demand & VFD	0.000	0.000	0.000	0.000	0.000	0.000	¢/kWh
General Service	GS	0.026	0.008	0.001	0.000	0.000	0.035	¢/kWh
All Electric Schools	AES	0.010	0.002	0.000	0.000	0.000	0.012	¢/kWh
Power Service, Time-of-Day Service - Primary & Secondary	PS, TODP, & TODS	0.011	0.002	0.001	0.000	0.000	0.014	¢/kWh
<b><u>Existing 2015 DSM Program Rate Schedule</u></b>								
Residential Service, Residential Time-of-Day Energy, Residential Time-of-Day Demand & Volunteer Fire Dept.,	RS, RTOD- Energy RTOD- Demand & VFD	0.167	0.000	0.008	0.090	(0.006)	0.259	¢/kWh
General Service	GS	0.068	0.000	0.003	0.008	(0.017)	0.062	¢/kWh
All Electric Schools	AES	0.024	0.000	0.001	0.031	(0.006)	0.050	¢/kWh
Power Service, Time-of-Day Service - Primary & Secondary	PS, TODP, & TODS	0.024	0.000	0.001	0.013	(0.009)	0.029	¢/kWh
<b><u>Total New DSM Program Rate Schedule</u></b>								
Residential Service, Residential Time-of-Day Energy, Residential Time-of-Day Demand & Volunteer Fire Dept.,	RS, RTOD- Energy RTOD- Demand & VFD	0.167	0.000	0.008	0.090	(0.006)	0.259	¢/kWh
General Service	GS	0.094	0.008	0.004	0.008	(0.017)	0.097	¢/kWh
All Electric Schools	AES	0.034	0.002	0.001	0.031	(0.006)	0.062	¢/kWh
Power Service, Time-of-Day Service - Primary & Secondary	PS, TODP, & TODS	0.035	0.002	0.002	0.013	(0.009)	0.043	¢/kWh



**Summary of DSM Revenues from DSM Cost Recovery Component (DCR)  
12-Month Period Beginning January 1, 2016**

Rate Schedule		DSM Cost Recovery Total Amount	Estimated Billing Determinants	DSM Cost Recovery Component (DCR)		
Residential Service, Residential Time-of-Day Energy, Residential Time-of-Day Demand & Volunteer Fire Dept.,	RS, RTOD- Energy RTOD- Demand & VFD	\$ -	6,182,740,404 kWh	0.000	¢/kWh	
General Service	GS	\$ 451,138	1,755,790,644 kWh	0.026	¢/kWh	
All Electric Schools	AES	\$ 15,207	153,782,380 kWh	0.010	¢/kWh	
Power Service, Time-of-Day Service - Primary & Secondary	PS, TODP, & TODS	\$ 378,483	3,384,130,650 kWh	0.011	¢/kWh	
<b>Total DCR Amount</b>		<b>\$ 844,828</b>				

Program costs, which are categorized by residential and commercial must be allocated to the individual rate schedules. The first step, allocation between gas and electric, and between LGE and KU, is shown on "DSM Budget Allocation" page.

Next, the DSM Program costs are further assigned to the rate schedules, which is the second and final step of the cost allocation process and is shown on the "Calculation of DCR Component from Forecast Sales" page. The total amount to be collected for each rate class is divided by the forecasted sales for that rate class to calculate the component rate in terms of ¢ / kWh.

Kentucky Utilities - Electric Service  
DCR Summary

**DSM Budget Allocation**

Program	Allocation	2016	Program	Allocation	2016
<b>Total of All Programs</b>			<b>KSBA</b>		
LGE: RS et al	0.0%	0	LGE: RS et al	0.0%	0
LGE: RGS et al	0.0%	0	LGE: RGS et al	0.0%	0
LGE: GS et al	16.8%	206,053	LGE: GS et al	16.8%	206,053
LGE: PS	10.7%	131,540	LGE: PS	10.7%	131,540
LGE: CTOD et al	3.5%	42,579	LGE: CTOD et al	3.5%	42,579
LGE: CGS et al	0.0%	0	LGE: CGS et al	0.0%	0
KU: RS et al	0.0%	0	KU: RS et al	0.0%	0
KU: GS	36.8%	451,138	KU: GS	36.8%	451,138
KU: AES	1.2%	15,207	KU: AES	1.2%	15,207
KU: PS et al	30.9%	378,483	KU: PS et al	30.9%	378,483
Total	100.0%	1,225,000	Total	100.0%	1,225,000

*Note: Residential DLC, Commercial DLC and Advance Metering Systems all run through the DCCR component of the DSM Mechanism.*

**Calculation of DCR Component from Forecast Sales  
12-Month Period Beginning January 1, 2016**

Forecast Sales kWh	Residential Service RS et al	General Service GS	All Electric Schools AES	Power Service (excl. Industrial) PS et al
January 2016	738,060,232	169,068,954	15,784,254	284,785,035
February 2016	669,489,863	160,168,166	15,231,530	271,045,457
March 2016	560,267,955	150,154,159	14,250,121	266,727,625
April 2016	437,008,255	135,901,075	12,688,112	255,668,418
May 2016	338,696,114	121,204,358	11,507,905	266,027,160
June 2016	434,727,607	133,595,620	11,303,208	291,786,546
July 2016	550,346,566	158,026,135	11,731,979	307,146,936
August 2016	564,777,866	165,097,871	11,827,809	311,764,362
September 2016	516,284,980	157,817,586	11,516,799	308,162,228
October 2016	382,053,058	131,233,370	11,289,313	279,643,901
November 2016	411,953,328	126,775,875	12,464,742	263,868,615
December 2016	579,074,580	146,747,475	14,186,608	277,504,367
<b>Total</b>	<b>6,182,740,404</b>	<b>1,755,790,644</b>	<b>153,782,380</b>	<b>3,384,130,650</b>
Total Program Costs	\$ -	\$ 451,138	\$ 15,207	\$ 378,483
DCR Factor in ¢ per kWh	0.000	0.026	0.010	0.011

**Summary of DSM Revenues from DSM Lost Sales Component (DRLS)  
12-Month Period Beginning January 1, 2016**

Rate Schedule		Lost Net Revenues Total Amount	Estimated Billing Determinants		DSM Revenue from Lost Sales Component (DRLS)	
Residential Service, Residential Time-of-Day Energy, Residential Time-of-Day Demand & Volunteer Fire Dept.,	RS, RTOD- Energy RTOD- Demand & VFD	\$ -	6,182,740,404 kWh		0.000	¢/kWh
General Service	GS	\$ 139,641	1,755,790,644 kWh		0.008	¢/kWh
All Electric Schools	AES	\$ 3,579	153,782,380 kWh		0.002	¢/kWh
Power Service, Time-of-Day Service - Primary & Secondary	PS, TODP, & TODS	\$ 80,062	3,384,130,650 kWh		0.002	¢/kWh
<b>Total DRLS Amount</b>		<b>\$ 223,283</b>				

**Calculation of DRLS Component from Forecast Sales**  
**12-Month Period Beginning January 1, 2016**

Forecast Sales kWh	Residential Service RS et al	General Service GS	All Electric Schools AES	Power Service (excl. Industrial) PS et al
January 2016	738,060,232	169,068,954	15,784,254	284,785,035
February 2016	669,489,863	160,168,166	15,231,530	271,045,457
March 2016	560,267,955	150,154,159	14,250,121	266,727,625
April 2016	437,008,255	135,901,075	12,688,112	255,668,418
May 2016	338,696,114	121,204,358	11,507,905	266,027,160
June 2016	434,727,607	133,595,620	11,303,208	291,786,546
July 2016	550,346,566	158,026,135	11,731,979	307,146,936
August 2016	564,777,866	165,097,871	11,827,809	311,764,362
September 2016	516,284,980	157,817,586	11,516,799	308,162,228
October 2016	382,053,058	131,233,370	11,289,313	279,643,901
November 2016	411,953,328	126,775,875	12,464,742	263,868,615
December 2016	579,074,580	146,747,475	14,186,608	277,504,367
<b>Total</b>	<b>6,182,740,404</b>	<b>1,755,790,644</b>	<b>153,782,380</b>	<b>3,384,130,650</b>
Total Energy Savings	-	2,145,027	73,190	1,803,206
Non-variable Revenue per kWh	0.0524	0.0651	0.0489	0.0444
Lost Net Revenue	\$ -	\$ 139,641	\$ 3,579	\$ 80,062
DRLS Factor in ¢ per kWh	0.000	0.008	0.002	0.002

**Summary of DSM Revenues from DSM Incentive Component (DSMI)**  
**12-Month Period Beginning January 1, 2016**

Rate Schedule		DSM Incentive Total Amount	Estimated Billing Determinants		DSM Incentive Component (DSMI)	
Residential Service, Residential Time-of-Day Energy, Residential Time-of-Day Demand & Volunteer Fire Dept.,	RS, RTOD-Energy RTOD-Demand & VFD	\$ -	6,182,740,404 kWh		0.000	¢/kWh
General Service	GS	\$ 22,557	1,755,790,644 kWh		0.001	¢/kWh
All Electric Schools*	AES	\$ 760	153,782,380 kWh		0.000	¢/kWh
Power Service, Time-of-Day Service - Primary & Secondary	PS, TODP, & TODS	\$ 18,924	3,384,130,650 kWh		0.001	¢/kWh
<b>Total DSMI Amount</b>		<b>\$ 42,241</b>				

Incentives for each individual program is calculated as 15% of Net Resource Benefits (as specified in the California Standardized Tests) capped at 5% of program costs. The incentive by programs is then allocated across the rate classes using the same method as the cost recovery component.

**Calculation of DSMI Component from Forecast Sales**  
**12-Month Period Beginning January 1, 2016**

Forecast Sales kWh	Residential Service RS et al	General Service GS	All Electric Schools AES	Power Service (excl. Industrial) PS et al
January 2016	738,060,232	169,068,954	15,784,254	284,785,035
February 2016	669,489,863	160,168,166	15,231,530	271,045,457
March 2016	560,267,955	150,154,159	14,250,121	266,727,625
April 2016	437,008,255	135,901,075	12,688,112	255,668,418
May 2016	338,696,114	121,204,358	11,507,905	266,027,160
June 2016	434,727,607	133,595,620	11,303,208	291,786,546
July 2016	550,346,566	158,026,135	11,731,979	307,146,936
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November 2016	411,953,328	126,775,875	12,464,742	263,868,615
December 2016	579,074,580	146,747,475	14,186,608	277,504,367
<b>Total</b>	<b>6,182,740,404</b>	<b>1,755,790,644</b>	<b>153,782,380</b>	<b>3,384,130,650</b>
Total Program Incentive	\$ -	\$ 22,557	\$ 760	\$ 18,924
DSMI Factor in ¢ per kWh	0.000	0.001	0.000	0.001

**Summary of DSM Revenues from DSM Capital Cost Recovery (DCCR)  
12-Month Period Beginning January 1, 2016**

Rate Schedule		DSM Capital Cost Recovery Total Amount	Estimated Billing Determinants	DSM Capital Cost Recovery Component (DCCR)
Residential Service, Residential Time-of-Day Energy, Residential Time-of-Day Demand & Volunteer Fire Dept.,	RS, RTOD- Energy RTOD- Demand & VFD	\$ -	6,182,740,404 kWh	0.000 ¢/kWh
General Service	GS	\$ -	1,755,790,644 kWh	0.000 ¢/kWh
All Electric Schools	AES	\$ -	153,782,380 kWh	0.000 ¢/kWh
Power Service, Time-of-Day Service - Primary & Secondary	PS, TODP, & TODS	\$ -	3,384,130,650 kWh	0.000 ¢/kWh
<b>Total DCCR Amount</b>		<b>\$ -</b>		

The DSM Capital Cost Recovery (DCCR), allows the Companies' to earn an approved rate of return on equity exclusively for the capital expenditures. The Companies' return on equity is equal to 10.50%.



**Calculation of Total E(m) and Jurisdictional Surcharge Billing Factor  
12-Month Period Beginning January 1, 2016**

**Calculation of Total E(m)**

$E(m) = [(RB) (ROR+(ROR -DR)(TR/(1-TR)))] + OE$ , where

RB	=	DSM Rate Base	=	\$	0
ROR	=	Rate of Return on the DSM Rate Base	=	7.21%	
DR	=	Debt Rate (both short-term and long-term debt)	=	1.87%	
TR	=	Composite Federal & State Income Tax Rate	=	38.90%	
OE	=	Operating Expenses			

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**DSM Plans**

RB	=	\$	0
$(ROR + (ROR - DR) (TR / (1 - TR)))$	=	10.61%	
Return on Rate Base	=	\$	0
OE	=	\$	0
E(m)	=	\$	-

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**E(m) by Rate Class**

Electric	Residential Service	RS et al	\$	-
	General Service	GS	\$	-
	All Electric Schools	AES	\$	-
	Power Service (excl. Industrial)	PS et al	\$	-
	Total		\$	-

**Calculation of Base Rate and Operating Expense  
12-Month Period Beginning January 1, 2016**

**Determination of DSM Rate Base**

Eligible Plant / Capital Expenditures In Service	\$	8,488,681	
Eligible Accumulated Depreciation	\$	(1,143,084)	
CWIP Amount Excluding AFUDC	\$	0	
Eligible Net Plant / Capital Expenditures In Service		\$	7,345,597
Deferred Tax Balance as of January 1, 2016		\$	0
Yearly Depreciation Expense		\$	0
Yearly Property Tax Expense		\$	0
			<hr/>
Total		\$	7,345,597

**Determination of DSM Operating Expenses**

		O&M	Depreciation Expense	Property Tax Expense
Demand Load Conservation	Residential	\$ -	\$ -	\$ -
	Commercial	\$ -	\$ -	\$ -
	Total	\$ -	\$ -	\$ -
AMI / Smart Grid	Residential	\$ -	\$ -	\$ -
	Commercial	\$ -	\$ -	\$ -
	Total	\$ -	\$ -	\$ -
Total Operating Expenses	Residential			Total Operating Expenses \$ -
	Commercial			\$ -
	Total			<hr/> \$ -

**Calculation of DCCR Component from Forecast Sales  
12-Month Period Beginning January 1, 2016**

Forecast Sales kWh	Residential Service RS et al	General Service GS	All Electric Schools AES	Power Service (excl. Industrial) PS et al
January 2016	738,060,232	169,068,954	15,784,254	284,785,035
February 2016	669,489,863	160,168,166	15,231,530	271,045,457
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November 2016	411,953,328	126,775,875	12,464,742	263,868,615
December 2016	579,074,580	146,747,475	14,186,608	277,504,367
<b>Total</b>	<b>6,182,740,404</b>	<b>1,755,790,644</b>	<b>153,782,380</b>	<b>3,384,130,650</b>
Total DCCR Program Component	\$ -	\$ -	\$ -	\$ -
DCCR Factor in ¢ per kWh	0.000	0.000	0.000	0.000

**Rate Base by Program**  
**12-Month Period Beginning January 1, 2016**

**Rate Base by Program**

Demand Load Conservation	Residential	\$	0
	Commercial	\$	0
	Total	\$	0

AMI / Smart Grid	Residential	\$	0
	Commercial	\$	0
	Total	\$	0

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Allocation between Residential and Commercial	Residential	\$	0
	Commercial	\$	0
	Total	\$	0