

**BEFORE THE STATE CORPORATION COMMISSION
OF THE STATE OF KANSAS**

JUL 18 2013

by
State Corporation Commission
of Kansas

In the Matter of the Application of Kansas)
City Power & Light Company for Approval)
To Extend its Demand-Side Management)
Programs)

Docket No. 14-KCPE-042-TAR

**APPLICATION OF
KANSAS CITY POWER & LIGHT COMPANY
FOR APPROVAL TO EXTEND
ITS DEMAND-SIDE MANAGEMENT PROGRAMS**

COMES NOW Kansas City Power & Light Company ("KCP&L" or the "Company"), and hereby requests from the State Corporation Commission of the State of Kansas ("Commission" or "KCC") approval to extend its Demand-Side Management ("DSM") pilot programs for an additional two years. This Application is in compliance with applicable requirements of Docket Nos. 08-GIMX-441-GIV ("441 Docket") and 08-GIMX-442-GIV ("442 Docket"). In furtherance of this Application, KCP&L states as follows:

I. BACKGROUND

1. KCP&L is a vertically integrated electric public utility company under the jurisdiction of the Commission that is engaged in the generation, transmission, distribution and sale of electric energy to the public within the meaning of K.S.A. 66-104, in legally designated areas of Kansas. KCP&L holds a Certificate of Convenience and Authority issued by this Commission, authorizing KCP&L to engage in such utility business. KCP&L has previously filed with the Commission certified copies of its Articles of Incorporation under which it was organized, and its Certificate of Registration as a Foreign Corporation authorized to do business in Kansas, and all amendments thereto and restatements thereof, and the same are incorporated herein by reference.

2. In Docket No. 11-KCPE-780-TAR ("780 Docket"), the Commission approved continuation of KCP&L's current portfolio of DSM pilot programs for two years.¹ Those programs currently are set to expire on January 3, 2014.² The Commission ordered that the programs remain as pilot programs.³ Additionally, the Commission ruled that KCP&L must file for termination, modification, or permanent status of these programs following completion of Docket No. 12-GIMX-337-GIV ("337 Docket") and prior to the expiration of the programs.⁴ This filing fulfills that order by requesting a modification to extend for two years the end date for the pilot programs. With the conclusion of the 337 Docket, KCP&L will use the two-year extension to explore options for the future of its DSM program portfolio.

II. PORTFOLIO OF DSM PROGRAMS FOR APPROVAL

3. With this Application KCP&L is requesting Commission approval to continue its six active pilot DSM programs for two additional years or until December 31, 2015, with some minor modifications as requested in this filing.⁵ These programs were originally implemented as pilot programs under the Settlement Agreement in Docket No. 04-KCPE-1025-GIE ("1025 Docket").⁶ The six programs comprising KCP&L's current DSM portfolio are as follows:

¹ See *Order Approving Application with Modification*, 780 Docket, issued January 4, 2012, Ordering ¶ A.

² *Id.*, and currently approved KCP&L DSM tariffs, Schedules 6, 7, 8 and 76, effective January 4, 2012.

³ *Id.*

⁴ *Id.*, Ordering ¶ B.

⁵ KCP&L has three additional DSM pilot programs which are currently frozen to new activity. See Commission Orders issued June 22 and July 13, 2011 in Docket Nos. 11-KCPE-690-TAR (Energy Star® New Homes), 11-KCPE-694-TAR (Energy Audit and Energy Saving Measures), and 11-KCPE-695-TAR (Cool Homes).

⁶ See Joint Motion to Approve Stipulation and Agreement, Appendices B and B-1, filed April 27, 2005, in the 1025 Docket and *Order Approving Stipulation and Agreement*, issued August 5, 2005, also in the 1025 Docket.

Portfolio of Existing Pilot DSM Programs:

- Low Income Weatherization Approved December 9, 2005
- Home Energy Analyzer Approved March 7, 2006
- Business Energy Analyzer Approved December 22, 2006
- Building Operator Certification Approved May 15, 2007
- Energy Optimizer Approved January 10, 2006
- MPower Approved September 25, 2006

4. Of the above programs, Home Energy Analyzer, Business Energy Analyzer, and Building Operator Certification are classified by KCP&L as Educational Programs, consistent with the guidelines set out by the Commission in Docket No. 08-GIMX-442-GIV.⁷

5. This Application identifies proposed tariff language changes, and provides the information required to be filed with program applications as defined in Appendix A of the Commission's November 14, 2008 Order in the 441 Docket ("441 Order"), including new five-year budgets for the programs.⁸

Attachment 1 – Low Income Weatherization (renamed Income-Eligible Weatherization) -
Tariff and Appendix A Information

Attachment 2 – Home and Business Energy Analyzers - Appendix A Information

Attachment 3 – Building Operator Certification - Tariff and Appendix A Information

Attachment 4 – Energy Optimizer (renamed Programmable Thermostat) - Tariff and
Appendix A Information

⁷ See *Order Following Collaborative on Benefit-Cost Testing and Evaluation, Measurement, and Verification*, at ¶¶ 29-32, issued April 13, 2009.

⁸ See *Final Order* in 441 Docket (also known as "441 Order"), ¶ 34, p.12, Ordering ¶ E, p. 38 and Appendix A, pp. 40-41.

Attachment 5 – MPower (renamed Demand Response Incentive) - Tariff and Appendix A
Information

III. COST RECOVERY/INCENTIVE MECHANISM

6. KCP&L is not requesting any changes to its EE Rider mechanism at this time. Should the Commission approve this Application for KCP&L to continue to offer the six programs herein as filed, it is KCP&L's intent to continue to recover the costs of those programs through its EE Rider mechanism.

IV. TARIFF AND CONTACT INFORMATION

7. **Proposed Tariffs.** The proposed program tariffs for approval are attached to this Application. Redlined copies of these tariffs showing any changes to the currently approved tariffs for these programs are also attached. Appendix A information, including benefit/cost analysis where applicable, for each of the DSM programs KCP&L is requesting approval for as part of its portfolio is attached to this Application as well. (See Attachments 1 through 5.)

8. The changes to the program tariffs are minor in nature.

- a. KCP&L recently renamed its DSM programs to provide a clearer link between the program and its function for the customer. Energy Optimizer, MPower and Low Income Weatherization programs have been renamed accordingly.
- b. Under Program Funding for each tariff, the first sentence has been modified to include delivery costs to the list of recoverable costs. These costs are included in the approved budgets and this was an oversight in the last tariff version.

c. Energy Optimizer:

- Under Contract Term, the language in the second sentence was revised for clarity. The intent remains the same.
- Under Availability, and Controls and Incentives, language regarding the signals used to control the programmable thermostats was updated.
- Under Availability, a compound sentence was split for clarity.

d. MPower:

- Under Availability, language regarding KCP&L's former Peak Load Curtailment Credit (PLCC) program was removed as that program is no longer available and a compound sentence was split for clarity.
- Under Curtailment Season, the days of the month were included for further clarity in the definition of the Curtailment Season.
- Other minor grammatical clean-up changes are shown in the Term of Contract section and in the Curtailment Limits section.

9. **Contact Information.** In addition to signatory counsel, communications and correspondence in regard to this Application should be addressed to:

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V. MISCELLANEOUS

10. **Schedule Requirements.** KCP&L understands that by proposing a portfolio of DSM programs in a single filing, the Commission's *Order Following Collaborative on Benefit-Cost Testing and Evaluation, Measurement, and Verification* in the 442 Docket ("442 Order") indicates the Company should voluntarily waive the 240-day deadline for the Commission to issue a final order in this docket, unless Staff agrees that such a waiver is unnecessary.⁹ This requirement was established to accommodate the time necessary to evaluate an entire portfolio of new programs. As KCP&L has already been offering the programs in its portfolio for many years and such programs were reviewed when originally presented for approval as well as during Docket No. 10-KCPE-795-TAR and the 780 Docket, KCP&L does not believe that waiver of the 240-day deadline provided for under K.S.A. 66-117 as part of its Application is necessary and respectfully requests that the Commission find such waiver unnecessary at the outset of this docket.¹⁰ KCP&L has discussed this issue with Staff and Staff has indicated agreement that such a waiver is unnecessary.

11. As previously noted, KCP&L's existing programs will expire on January 3, 2014 if some action is not taken by the Commission in this docket prior to that time. In addition, evaluation, measurement and verification ("EM&V") results from the Commission-directed review of these programs will not be available until the summer of 2014. In light of these timing issues, KCP&L, Staff and CURB have filed a Joint Motion concurrently with the filing of this Application requesting the Commission issue an Order (1) staying further consideration of this Application until the EM&V results are available to the Commission, (2) allowing continuation

⁹ See 442 Order, 442 Docket, ¶ 175, p. 52, issued April 13, 2009.

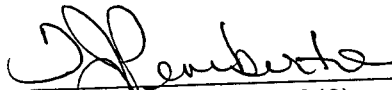
¹⁰ If the Commission grants the Joint Motion referenced in ¶11 of this Application, then KCP&L waives the 240-day deadline provided for under KSA 66-117.

of the subject DSM pilot programs until such further Order of the Commission, and (3) approving an interim budget at the existing level to allow continuation of the subject DSM pilot programs until such time as the Commission reaches a final decision on this Application.

WHEREFORE, KCP&L respectfully requests that the Commission approve the tariffs for the portfolio of DSM programs proposed in this Application, confirm that a waiver of the 240-day procedural schedule by KCP&L is unnecessary, and grant the Joint Motion of KCP&L, Staff and CURB filed concurrently with this application.

Respectfully submitted,

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ATTORNEYS FOR
KANSAS CITY POWER & LIGHT COMPANY

VERIFICATION

STATE OF MISSOURI)
)
COUNTY OF JACKSON)

I, Darrin R. Ives, being duly sworn, on oath state that I am Senior Director, Regulatory Affairs of Kansas City Power & Light Company, that I have read the foregoing Application and know the contents thereof, and that the facts set forth therein are true and correct to the best of my knowledge and belief.

KANSAS CITY POWER & LIGHT COMPANY

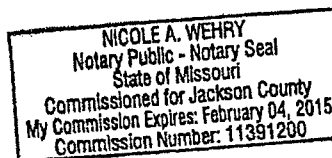
By: *Darrin R. Ives*
Darrin R. Ives

The foregoing Application was subscribed and sworn to before me this 18th day of July, 2013.

Nicole A. Wehry
Notary Public

My Commission Expires:

Feb. 04 2015



ATTACHMENT 1

KANSAS CITY POWER & LIGHT COMPANY

(Name of Issuing Utility)

Replacing Schedule 6 Sheet 1

Rate Areas No. 2 & 4

(Territory to which schedule is applicable)

which was filed May 27, 2011

No supplement or separate understanding shall modify the tariff as shown hereon. Sheet 1 of 2 Sheets

**INCOME-ELIGIBLE WEATHERIZATION
Schedule IEW**

PURPOSE:

This Program is intended to assist residential Customers in reducing their energy usage by weatherizing the homes of qualified Customers.

AVAILABILITY:

This Program is available to any Customer currently receiving service under any generally available residential rate schedule for a minimum of one year prior to completion of an application for weatherization assistance and who also meets the additional Customer eligibility requirements defined in the agreement between the Company and the Social Service Agency. The Company reserves the right to modify or terminate the Program at any time subject to Commission approval.

PROGRAM ADMINISTRATION:

The Program will be administered by Kansas-based Social Service Agencies that are directly involved in qualifying and assisting Customers under this Program.

PROGRAM ADMINISTRATION COSTS:

Program funds cannot be used for administrative costs except those incurred by the Social Service Agency that are directly related to qualifying and assisting Customers under this Program. The amount of reimbursable administrative costs per Program year shall not exceed 13 percent of the total Program funds, as defined in the agreement between the Company and the Social Service Agency, that are utilized by the Social Service Agency within a Program year.

PROGRAM GRANTS:

The total amount of grants offered to a Customer will be defined in the agreement between the Company and the Social Service Agency using established criteria for Income-Eligible Weatherization. The average expenditure per Customer in each program year shall not exceed the Adjusted Average Expenditure Limit for weatherization determined by the U.S. Department of Energy that is applicable for the month that the weatherization is completed.

Issued:	<u>July 18, 2013</u> Month Day Year
Effective:	_____ Month Day Year
By:	<u>Darrin R. Ives</u> Sr. Director Title

KANSAS CITY POWER & LIGHT COMPANY

Replacing Schedule 6 Sheet 2

(Name of Issuing Utility)

Rate Areas No. 2 & 4

(Territory to which schedule is applicable)

which was filed May 27, 2011

No supplement or separate understanding shall modify the tariff as shown hereon.

Sheet 2 of 2 Sheets

**INCOME-ELIGIBLE WEATHERIZATION
Schedule IEW (Continued)**

CUSTOMER ELIGIBILITY:

The Social Service Agency will select Customers eligible for Income-Eligible Weatherization using the following criteria: The Customer's household earnings meet the low income guidelines for weatherization specified by the Department of Energy (DOE) for the number of persons in the residence, the residence must have energy consumption greater than 3,000 kWh per year, the Customer must have received electric service from the Company for a minimum of one year prior to completion of an application, and other eligibility requirements defined in the agreement between the Company and Social Service Agency.

PROGRAM FUNDING:

The Company will provide for incentive payments, marketing costs, evaluation cost, and Program administrative and delivery costs. This Program and its costs shall be eligible for recovery under the Company's Energy Efficiency Rider, Schedule EE, subject to the provisions thereof.

EVALUATION:

Evaluation, measurement and verification of the Program will be completed consistent with requirements established by the Commission in Docket No. 08-GIMX-442-GIV and Docket No. 10-GIMX-013-GIV.

Issued:	<u>July 18, 2013</u> Month Day Year
Effective:	_____ Month Day Year
By:	<u>Darrin R. Ives, Sr. Director</u> Signature Title

KANSAS CITY POWER & LIGHT COMPANY

(Name of Issuing Utility)

Replacing Schedule 6 Sheet 1

Rate Areas No. 2 & 4

(Territory to which schedule is applicable)

which was filed July 9, 2009 ~~May 27, 2011~~

No supplement or separate understanding shall modify the tariff as shown hereon. Sheet 1 of 2 Sheets

**LOW-INCOME-ELIGIBLE WEATHERIZATION
Schedule LIWIEW**

PURPOSE:

This Program is intended to assist residential Customers in reducing their energy usage by weatherizing the homes of qualified Customers.

AVAILABILITY:

This Program is available to any Customer currently receiving service under any generally available residential rate schedule for a minimum of one year prior to completion of an application for weatherization assistance and who also meets the additional Customer eligibility requirements defined in the agreement between the Company and the Social Service Agency. The Company reserves the right to modify or terminate the Program at any time subject to Commission approval.

PROGRAM ADMINISTRATION:

The Program will be administered by Kansas-based Social Service Agencies that are directly involved in qualifying and assisting Customers under this Program.

PROGRAM ADMINISTRATION COSTS:

Program funds cannot be used for administrative costs except those incurred by the Social Service Agency that are directly related to qualifying and assisting Customers under this Program. The amount of reimbursable administrative costs per Program year shall not exceed 13 percent of the total Program funds, as defined in the agreement between the Company and the Social Service Agency, that are utilized by the Social Service Agency within a Program year.

PROGRAM GRANTS:

The total amount of grants offered to a Customer will be defined in the agreement between the Company and the Social Service Agency using established criteria for Low-Income-Eligible Weatherization. The average expenditure per Customer in each program year shall not exceed the Adjusted Average Expenditure Limit for weatherization determined by the U.S. Department of Energy that is applicable for the month that the weatherization is completed.

Issued: <u>May 27, 2011</u> <u>July 18, 2013</u> Month Day Year	<u>FILED</u>
Effective: <u>January 4, 2012</u> Month Day Year	<u>THE STATE CORPORATION COMMISSION OF KANSAS</u>
By: <u>Mary Britt</u> <u>Sr. Director</u> Title	By: _____ Secretary

KANSAS CITY POWER & LIGHT COMPANY

Replacing Schedule 6 Sheet 2

(Name of Issuing Utility)

Rate Areas No. 2 & 4
(Territory to which schedule is applicable)

which was filed July 9, 2009 May 27, 2011

No supplement or separate understanding shall modify the tariff as shown hereon. Sheet 2 of 2 Sheets

**LOW-INCOME-ELIGIBLE WEATHERIZATION
Schedule LIEW (Continued)**

CUSTOMER ELIGIBILITY:

The Social Service Agency will select Customers eligible for Low-Income-Eligible Weatherization using the following criteria: The Customer's household earnings meet the low income guidelines for weatherization specified by the Department of Energy (DOE) for the number of persons in the residence, the residence must have energy consumption greater than 3,000 kWh per year, the Customer must have received electric service from the Company for a minimum of one year prior to completion of an application, and other eligibility requirements defined in the agreement between the Company and Social Service Agency.

PROGRAM FUNDING:

The Company will provide for incentive payments, marketing costs, evaluation cost, and Program administrative and delivery costs. This Program and its costs shall be eligible for recovery under the Company's Energy Efficiency Rider, Schedule EE, subject to the provisions thereof.

EVALUATION:

Evaluation, measurement and verification of the Program will be completed consistent with requirements established by the Commission in Docket No. 08-GIMX-442-GIV and Docket No. 10-GIMX-013-GIV.

Issued: <u>May 27, 2011</u> <u>July 18, 2013</u> <small>Month Day Year</small>	FILED THE STATE CORPORATION COMMISSION OF KANSAS
Effective: <u>January 4, 2012</u> <small>Month Day Year</small>	
By: <u>Mary Britt</u> <u>Sr. Director</u> <small>Title</small>	
By: _____ <small>Secretary</small>	

ATTACHMENT 1

APPENDIX A INFORMATION

Kansas City Power & Light Company

INCOME-ELIGIBLE WEATHERIZATION PROGRAM

The following information regarding KCP&L's Income-Eligible Weatherization Program (formerly named Low Income Weatherization Program or Schedule LIW) is provided in compliance with Appendix A of the Commission's November 14, 2008 Final Order issued in Docket No. 08-GIMX-441-GIE. This program was originally approved by the Commission in December 2005. This program is set forth in KCP&L's proposed tariff Schedule 6, also referred to as Schedule IEW, provided with this filing.

1. Program Description

The Weatherization Assistance Program (WAP) run by the U.S. Department of Energy (DOE) enables low income families to permanently reduce their energy bills by making their homes more energy efficient. It is the nation's core method for delivering energy efficiency services to low income households. Weatherization reduces dependency on energy and liberates these funds for spending on more pressing family needs. On average nationwide, weatherization under the WAP reduces a home's energy bills by \$437 annually, depending upon fuel prices.

KCP&L's Income-Eligible Weatherization program is built around the DOE Weatherization Assistance Program. To deliver its Income-Eligible Weatherization program, KCP&L partners with Community Action Program (CAP) agencies to provide services under the Weatherization Assistance Program. Professionally trained weatherization crews perform on-site home energy audits using state-of-the-art equipment to identify outside drafts and inspect heating and cooling systems for efficiency. Typical weatherization services include: installing insulation, caulking windows, and conducting repairs to heating and central cooling systems.

A homeowner must meet the following requirements to qualify:

- Household income cannot exceed the income levels established by the DOE, which currently is 200% of Federal Poverty Income Guidelines.
- Owner of the home must have received electric service from KCP&L for a minimum of one year immediately preceding the date of application.
- Household energy consumption must be greater than 3,000 kWh per year.
- Applicant must have made attempts to maintain a payment history, no matter how small.

To qualify, a renter must meet the homeowner requirements plus:

- Must be fully responsible for the payment of electric bills.
- Landlord must agree under contract with the CAP agency to:

- o Pay no less than 50% of the total cost of the weatherization measures; and
- o Not raise the rent for at least two years from the date of completion of installation of the weatherization measures.

2. Program Goal

A. Expected energy and demand savings – time horizon

The expected annual, cumulative energy and demand savings for the Income-Eligible Weatherization Program over the estimated useful life of the measure are shown below.

	Program Energy Savings (kWh)	Program Demand Savings (kW)
2014	12,894	0.51
2015	25,531	1.00
2016	37,909	1.49
2017	50,030	1.96
2018	61,892	2.43
2019	60,603	2.38
2020	59,313	2.33
2021	58,024	2.28
2022	56,735	2.23
2023	55,445	2.18
2024	54,156	2.13
2025	42,809	1.68
2026	31,720	1.25
2027	20,889	0.82
2028	10,315	0.41

3. Program Framework/Strategy

A. Relationship to other programs

The Income-Eligible Weatherization Program is offered to residential customers; therefore, the program has a relationship with KCP&L's other residential demand-side management (DSM) programs:

- Home Energy Analyzer; and
- Programmable Thermostat Program (formerly named Energy Optimizer).

Each program offers significant opportunity for cross-promotion of KCP&L's other residential DSM programs when appropriate.

B. Marketing Strategy

KCP&L will seek to implement the following marketing strategy for its Income-Eligible Weatherization Program.

- Promote Program on www.kcpl.com Home Page and within website.
- Allow for Program-specific bill messaging on KCP&L's Kansas residential bills.
- Improve awareness of the Program by providing community education externally, as well as to KCP&L's Call Center.
- Supply collateral materials to local CAP agencies. KCP&L will send updates on the Program to CAP outreach coordinators. As budget allows, supplement marketing dollars for CAP agencies since these agencies tend to have limited capabilities to create marketing collateral.
- As budget allows, consider contacting households that seek help in keeping their electric service connected since this segment would likely income qualify for the Program. Contact would be through a third party via direct marketing or telemarketing.

C. Program delivery

The Income-Eligible Weatherization Program is administered by community-based partners (CAP agencies). The community-based partners are responsible for the application process of participants through the installment of weatherization measures. KCP&L supports the program through marketing, customer referrals and financial support.

The agency will educate the customer on how to apply for weatherization, determine if the customer qualifies for the services, and help the customer understand the entire weatherization process. The agency is also responsible for determining the work to be done at the customer's home and hiring the contractors to complete the services.

D. Partners

Specific Kansas community-based partners include:

- East Central Kansas Economic Opportunity Corporation;
- Johnson County Housing Services; and
- Southeast Kansas Community Action Program.

4. Program Budget (Five-Year)

Because the Program is an established program, KCP&L does not have any start-up costs. As required, the expected budget for the Income-Eligible Weatherization Program over the five-year period 2014 to 2018 is shown below; however, KCP&L is currently requesting only a two-year extension of the program. Currently, average

spending per home as defined by the Department of Energy is \$6,500.

	Start-up	Admin	Marketing	Customer Incentive	EM&V	TOTAL
2014	\$0	\$0	\$ 2,593	\$ 39,000	\$10,500	\$ 52,093
2015	0	0	2,657	39,000	0	41,657
2016	0	0	2,872	39,000	0	41,872
2017	0	0	2,944	39,000	0	41,944
2018	0	0	3,017	39,000	0	42,017
TOTAL	\$0	\$0	\$14,083	\$195,000	\$10,500	\$219,083

5. Program Beneficiaries

A. Expected number of participants by customer class or subclass

The number of income-eligible residential Kansas customers (net-free) expected to participate over the five-year period 2014 to 2018 is shown below although KCP&L is currently requesting only a two-year extension of the program.

	Kansas Residential Participants (Net Free)
2014	6
2015	6
2016	6
2017	6
2018	6
TOTAL	30

B. Other beneficiaries

No other beneficiaries have been observed.

6. Program Cost Benefit Analysis

All five benefit-cost tests are shown below. The dollar values below are on a present value basis with the assumption that all future cash flows start at the beginning of each annual period, discounted at the appropriate discount rate.

Income-Eligible Weatherization Program		
Test Name	Market Based Test Results	Cost Based Test Results
Utility Test	0.08	0.07
TRC Test	0.71	0.61
RIM Test	0.05	0.05
RIM (Net Fuel)	0.05	0.05
Participant Test	N/A	N/A
Societal Test 3% / \$10	1.04	0.91
Societal Test 3% / \$25	1.04	0.91
Societal Test 3% / \$40	1.04	0.91
Societal Test 7% / \$10	0.80	0.70
Societal Test 7% / \$25	0.80	0.70
Societal Test 7% / \$40	0.80	0.70

Assumptions	
Utility Discount Rate (%)	** [REDACTED] **
Participant Discount Rate (%)	10.00%
Electric Losses (%)	** [REDACTED] **
Societal Discount Rate1 (%)	3.00%
Societal Discount Rate2 (%)	7.00%

Avoided Costs	
Avoided T&D (\$ / kW)	** [REDACTED] **
Avoided Market-Based Ancillary Service Charges (OATT)	** [REDACTED] **
Year 1 Cost-Based Proxy for Avoided Capacity (\$ / kW Annualized)	** [REDACTED] **
CO ₂ emissions (kG / kWh)	** [REDACTED] **

Cost Based Avoided Electric Production	** [REDACTED] **
Avoided T&D Electric, w OATT	** [REDACTED] **
Avoided Electric Capacity	** [REDACTED] **
Total Cost Based Avoided Costs	** [REDACTED] **

Market Based Avoided Electric Production Costs	** [REDACTED] **
-------------------------------------------------------	------------------

Program Costs	
Administration Costs	** [REDACTED] **
Implementation / Participation Costs	** [REDACTED] **
Customer Incentives	** [REDACTED] **
Other / Miscellaneous Costs	** [REDACTED] **
Total Program Cost	** [REDACTED] **

Participant Cost	** [REDACTED] **
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Environmental Benefits	@ 3% Discount Rate	@ 7% Discount Rate
\$10 per Ton	** [REDACTED] **	** [REDACTED] **
\$25 per Ton	** [REDACTED] **	** [REDACTED] **
\$40 per Ton	** [REDACTED] **	** [REDACTED] **

Other Environmental Benefits, NOx SOx	** [REDACTED] **
----------------------------------------------	------------------

Lost Revenue	
Gross Lost Revenue, Electric	** [REDACTED] **
Net Fuel Lost Revenue, Electric	** [REDACTED] **

7. Program Evaluation, Measurement and Verification Plan

Program evaluation, measurement and verification (EM&V) are key elements of DSM programs. EM&V is used to document and measure the effects of a program and to determine whether the program met its goal with respect to being a reliable energy resource. EM&V is also used to help understand why certain effects occurred and to identify ways to improve current programs and to select future programs.

KCP&L contracted with Opinion Dynamics Corporation to conduct EM&V of the Low Income Weatherization program after it had been in place for two years. The final evaluation report was completed in July 2008. A copy of this report was included as Confidential Schedule JDJ-9 attached to the Direct Testimony of KCP&L witness Jason Jones in Docket No. 11-KCPE-780-TAR.

The two types of evaluation utilized are:

Process evaluation: Process evaluation assesses program delivery, from design to implementation, in order to identify bottlenecks, efficiencies, what did and did not work, constraints and potential improvements.

Evaluation plans are developed by the evaluation contractor(s) and describe all necessary data collection, process evaluation tasks and impact evaluation tasks by program. Evaluation Plans include the following information:

- study methodology by program;
- data collection strategies;
- data requests by program; and
- detailed work plan and schedule.

Impact evaluation: Impact evaluation determines the impacts (energy and demand savings) and co-benefits (avoided emissions, energy security, transmission/distribution benefits) that directly result from a program. Impact evaluations also support cost-effectiveness analyses aimed at identifying relative program costs and benefits.

The Monitoring and Verification (M&V) process acts as a quality control and quality assurance process for the savings, tracking and accounting for the program.

Monitoring: This is the monitoring of installations when needed to determine or verify savings from a measure that is applied in a unique way, is significant in savings, or is new to the market. Working with the evaluation contractor, guidelines are developed to determine which projects should be monitored.

Verification: During the processing of an application for customer incentives (rebates), KCP&L reviews the equipment specifications by model number to determine if that measure qualifies. This "paper" verification occurs on all applications. Additionally, there are random field visits to assure the correct number and types of measures were installed at the customer's facility.

Historically, KCP&L retained one or more EM&V contractors to perform process and impact evaluations for its programs in order to avoid conflicts of interest and to insure credibility of the evaluation results. EM&V was conducted by the implementation team with advice of the EM&V contractor.

Going forward, EM&V of the Income-Eligible Weatherization program will be completed consistent with requirements established by the Commission in Docket No. 08-GIMX-442-GIV and Docket No. 10-GIMX-013-GIV (the "013 Docket"). As shown in the five-year budget included in this Appendix A information, KCP&L expects that EM&V evaluation will be conducted on the Income-Eligible Weatherization program in 2014 (to evaluate the program through the end of 2013);

however, given the Commission's Order in the 013 Docket, Staff and the Commission will ultimately determine the timing and cost of such EM&V evaluations.

8. Program Specific Tariff Schedule

Please see the tariff included with this Attachment 1 for KCP&L's Income-Eligible Weatherization program, Schedule 6, also referred to as Schedule IEW.

ATTACHMENT 2

APPENDIX A INFORMATION

Kansas City Power & Light Company

ONLINE ENERGY INFORMATION AND ANALYSIS PROGRAMS

The following information regarding KCP&L's Online Energy Information and Analysis Programs, also referred to as the Home Energy Analyzer and Business Energy Analyzer, is provided in compliance with Appendix A of the Commission's November 14, 2008 Final Order issued in Docket No. 08-GIMX-441-GIE. These programs were originally approved by the Commission in March 2006 and December 2006 respectively in Docket Nos. 06-KCPE-548-TAR and 06-KCPE-1190-ACT. They are not tarified programs.

1. Program Description

KCP&L offers online energy information and analysis programs for its residential and commercial customers. These programs are referred to as the Home Energy Analyzer and the Business Energy Analyzer, respectively.

The Home Energy Analyzer allows Kansas residential customers with Internet capability to electronically access their billing information and compare their usage on a daily, weekly, monthly or annual basis. This tool will analyze the percentage of the customer's usage comprised by each end use and provide information on ways the customer can save energy by end use through a searchable resource center. This tool also allows a customer to analyze why their bill may have varied from one month to another. A home comparison also displays a comparison of the customer's home versus an average similar home via an energy guide label concept.

Similarly, the Business Energy Analyzer allows Kansas business and non-profit customers with Internet capability to electronically access their billing information and compare their usage on a daily, weekly, monthly or annual basis. As with the residential tool, business customers can see the percentage of their usage comprised by each end use and view information on ways to save energy by end use through a searchable resource center. Targeted case studies are also included to provide energy saving ideas relevant to the customer's industry. This tool also allows the customer to analyze why their bill may have varied from one month to another. A business comparison also displays usage benchmarking data versus similar types of businesses.

2. Program Goal

A. **Expected energy and demand savings – time horizon**

Because the Home and Business Energy Analyzers are educational programs, no energy and demand savings are attributed to these programs.

3. Program Framework/Strategy

A. Relationship to other programs

The Home and Business Energy Analyzers are considered a first step toward becoming energy efficient – they educate customers. These programs require a relatively small time investment from the customer and no financial investment from the customer to learn how to save energy.

B. Marketing Strategy

The Home and Business Energy Analyzers follow an integrated marketing strategy as needed. This strategy could involve utilizing online and offline media including traditional KCP&L channels such as bill inserts, bill messaging, and customer newsletters. Typically, KCP&L develops a marketing calendar created each year to stage awareness and participation campaigns with a focus on the summer months.

C. Program Delivery

The two Analyzer programs are managed by a KCP&L staff member and involve the coordination of vendors for delivery of the online tools. The Home and Business Energy Analyzers require a vendor to maintain, deliver, and support the online assessment tools.

4. Program Budget (Five-Year)

Because the Programs are established programs, KCP&L does not have any start-up costs for the budget period. As required, the expected budgets for the Home and Business Energy Analyzers, respectively, over the five-year period 2014 to 2018 are shown below; however, KCP&L is currently requesting only a two-year extension of the programs.

Home Energy Analyzer						
	Program Delivery	Admin	Marketing	Customer Incentive	EM&V	TOTAL
2014	** [REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	** [REDACTED]
2015	** [REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	** [REDACTED]
2016	** [REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	** [REDACTED]
2017	** [REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	** [REDACTED]
2018	** [REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	** [REDACTED]
TOTAL	** [REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	** [REDACTED]

Business Energy Analyzer						
	Program Delivery	Admin	Marketing	Customer Incentive	EM&V	TOTAL
2014	** [REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]**
2015	** [REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]**
2016	** [REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]**
2017	** [REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]**
2018	** [REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]**
TOTAL	** [REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]**

Energy Analyzer Aggregated Total						
	Program Delivery	Admin	Marketing	Customer Incentive	EM&V	TOTAL
2014	** [REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]**
2015	** [REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]**
2016	** [REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]**
2017	** [REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]**
2018	** [REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]**
TOTAL	** [REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]**

5. Program Beneficiaries

A. Expected number of participants by customer class or subclass

The expected numbers of residential and commercial participants over the five-year period 2014 to 2018 are shown below for the Home and Business Energy Analyzers, respectively, although KCP&L is currently requesting only a two-year extension of the programs.

	Kansas Residential Participants	Kansas Commercial Participants
2014	6,500	275
2015	6,500	275
2016	6,500	275
2017	6,500	275
2018	6,500	275

TOTAL	32,500	1,375
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B. Other beneficiaries

No other beneficiaries have been observed.

6. Program Benefit-Cost Analysis

In Docket No. 08-GIMX-441-GIV, page 16, the Commission ordered "...the Commission finds that it will not subject education programs to benefit-cost analysis but will require utilities to provide extensive explanations of the programs and their attendant costs, evidence of usefulness in other jurisdictions, and any additional information the utility believes will support the implementation of an education program." Therefore, because the Home and Business Energy Analyzers are considered education programs, no benefit-cost analysis is included.

7. Program Evaluation, Measurement and Verification Plan

Program evaluation, measurement and verification (EM&V) are key elements of demand-side management (DSM) programs. EM&V is used to document and measure the effects of a program and to determine whether the program met its goal with respect to being a reliable energy resource. EM&V is also used to help understand why certain effects occurred and to identify ways to improve current programs and to select future programs.

The two types of evaluation utilized are:

Process evaluation: Process evaluation assesses program delivery, from design to implementation, in order to identify bottlenecks, efficiencies, what did and did not work, constraints and potential improvements.

Evaluation plans are developed by the evaluation contractor(s) and describe all necessary data collection, process evaluation tasks and impact evaluation tasks by program. Evaluation Plans include the following information:

- study methodology by program;
- data collection strategies;
- data requests by program; and
- detailed work plan and schedule.

Impact evaluation: Impact evaluation determines the impacts (energy and demand savings) and co-benefits (avoided emissions, energy security, transmission/distribution benefits) that directly result from a program. Impact evaluations also support cost-effectiveness analyses aimed at identifying relative program costs and benefits.

Going forward, evaluation, measurement and verification of the Home and Business Energy Analyzer programs will be completed consistent with requirements

established by the Commission in Docket No. 08-GIMX-442-GIV and Docket No. 10-GIMX-013-GIV (the "013 Docket"). As these are education programs, only a process evaluation will be conducted. As shown in the five-year budget included in this Appendix A information, KCP&L expects that EM&V evaluation will be conducted in 2014 (to evaluate the program through the end of 2013); however, given the Commission's Order in the 013 Docket, Staff and the Commission will ultimately determine the timing and cost of such EM&V evaluations.

8. Program Specific Tariff Schedule

Not applicable.

ATTACHMENT 3

KANSAS CITY POWER & LIGHT COMPANY

(Name of Issuing Utility)

Replacing Schedule 8 Sheet 1

Rate Areas No. 2 & 4

(Territory to which schedule is applicable)

which was filed May 27, 2011

No supplement or separate understanding shall modify the tariff as shown hereon.

Sheet 1 of 1 Sheets

**BUILDING OPERATOR CERTIFICATION PROGRAM
Schedule BOC**

PURPOSE:

This voluntary Program is designed to establish and encourage Building Operator Certification through the Northwest Energy Efficiency Council's Building Operator Certification Level I and Level II curriculums to encourage energy efficient operation of buildings. In support of a partnership with the Midwest Energy Efficiency Alliance (MEEA), the Company will:

- Reimburse the annual cost to license the Level I and Level II curriculums for the Company's Kansas service territory.
- Reimburse portions of the tuition costs for Building Operators associated with properties in the Company's service area who successfully complete the certifications.

AVAILABILITY:

The certification courses funded by this Program will be available through MEEA for any building operators, managers and consultants employed by or associated with a company having at least one Kansas commercial property receiving electrical service from the Company.

Reimbursements for the successful completion of the certifications are available to any participant associated with at least one Kansas commercial property receiving electrical service from the Company.

The Company reserves the right to modify or terminate the program at any time, subject to Commission approval.

PROGRAM ADMINISTRATION:

The Program will be administered by MEEA. The Company will utilize an internal program manager to conduct its internal oversight of the program.

PROGRAM FUNDING:

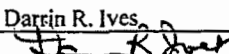
The Company will provide for incentive payments, marketing costs, evaluation cost, and Program administrative and delivery costs. This Program and its costs shall be eligible for recovery under the Company's Energy Efficiency Rider, Schedule EE, subject to the provisions thereof.

KCP&L will reimburse MEEA for the amount paid annually to license the Level I and Level II curriculums for the KCP&L area.

Tuition reimbursements of \$575 per certification level will be paid to the entity paying the tuition. To receive the reimbursement, qualified participants must complete a reimbursement request and submit it to the Company. The reimbursement form is available by contacting the Company directly.

EVALUATION:

Evaluation, measurement and verification of the Program will be completed consistent with requirements established by the Commission in Docket No. 08-GIMX-442-GIV and Docket No. 10-GIMX-013-GIV.

Issued:	July 18, 2013 <small>Month Day Year</small>
Effective:	 <small>Month Day Year</small>
By:	Darrin R. Ives, Sr. Director  Title

KANSAS CITY POWER & LIGHT COMPANY

(Name of Issuing Utility)

Replacing Schedule 8 Sheet 1 and 2

Rate Areas No. 2 & 4

(Territory to which schedule is applicable)

which was filed January 2, 2007 May 27, 2011

No supplement or separate understanding shall modify the tariff as shown hereon.

Sheet 1 of 1 Sheets

**BUILDING OPERATOR CERTIFICATION PROGRAM
Schedule BOC**

PURPOSE:

This voluntary Program is designed to establish and encourage Building Operator Certification through the Northwest Energy Efficiency Council's Building Operator Certification Level 4-I and Level 2-II curriculums to encourage energy efficient operation of buildings. In support of a partnership with the Midwest Energy Efficiency Alliance (MEEA), the Company will:

- Reimburse the annual cost to license the Level 4-I and Level 2-II curriculums for the Company's Kansas service territory.
- Reimburse portions of the tuition costs for Building Operators associated with properties in the Company's service area who successfully complete the certifications.

AVAILABILITY:

The certification courses funded by this Program will be available through MEEA for any building operators, managers and consultants employed by or associated with a company having at least one Kansas commercial property receiving electrical service from the Company.

Reimbursements for the successful completion of the certifications are available to any participant associated with at least one Kansas commercial property receiving electrical service from the Company.

The Company reserves the right to modify or terminate the program at any time, subject to Commission approval.

PROGRAM ADMINISTRATION:

The Program will be administered by MEEA. The Company will utilize an internal program manager to conduct its internal oversight of the program.

PROGRAM FUNDING:

The Company will provide for incentive payments, marketing costs, evaluation cost, and Program administrative and delivery costs. This Program and its costs shall be eligible for recovery under the Company's Energy Efficiency Rider, Schedule EE, subject to the provisions thereof.

KCP&L will reimburse MEEA for the amount paid annually to license the Level 4-I and Level 2-II curriculums for the KCP&L area.

Tuition reimbursements of \$575 per certification level will be paid to the entity paying the tuition. To receive the reimbursement, qualified participants must complete a reimbursement request and submit it to the Company. The reimbursement form is available by contacting the Company directly.

EVALUATION:

Evaluation, measurement and verification of the Program will be completed consistent with requirements established by the Commission in Docket No. 08-GIMX-442-GIV and Docket No. 10-GIMX-013-GIV.

Issued:	<u>May 27, 2011</u> <u>July 18, 2013</u>
	Month Day Year
Effective:	<u>January 4, 2012</u>
	Month Day Year
By:	<u>Mary Britt</u> <u>Turner Darrin R.</u> <u>Sr. Director</u>
	Title

FILED
THE STATE CORPORATION COMMISSION OF KANSAS
By: _____
Secretary

ATTACHMENT 3

APPENDIX A INFORMATION

Kansas City Power & Light Company

BUILDING OPERATOR CERTIFICATION PROGRAM

The following information regarding KCP&L's Building Operator Certification Program is provided in compliance with Appendix A of the Commission's November 14, 2008 Final Order issued in Docket No. 08-GIMX-441-GIE. Commission approval for this program was first granted in May 2007 in Docket No. 06-KCPE-683-MIS. This program is set forth in KCP&L's proposed tariff Schedule 8, also referred to as Schedule BOC, provided with this filing.

1. Program Description

The Building Operator Certification (BOC) program is a competency-based training and certification program for building operators, managers and consultants, offering improved job skills, and more comfortable and energy efficient facilities. The certification also provides a credential for professional development while offering employers a way to identify skilled operators.

Over 11,000 operators hold BOC certifications nationally. The certificate is registered with the Building Owners and Managers Institute (BOMI), the Association for Facilities Engineering (AFE) and the International Facilities Management Association (IFMA) for continuing education maintenance points.

The BOC program is licensed from the Northwest Energy Efficiency Council (NEEC) by program administrators across the country. NEEC is a non-profit regional consortium of utilities, government, public interest groups and the private sector dedicated to transforming markets for energy efficient products and services. NEEC provided support for the development of the BOC program. In the Midwest, the Midwest Energy Efficiency Alliance (MEEA) administers the Program. MEEA is also a non-profit regional consortium of utilities, government, public interest groups and the private sector dedicated to transforming markets for energy efficient products and services.

In the KCP&L service territory, BOC Level I and Level II training courses are offered. Both certification levels are earned by a combination of classroom training, written exams, and hands-on projects conducted at the operator's facility. Level I training emphasizes energy efficient building maintenance practices and is a series of eight courses conducted over seven months. Level II stresses advanced equipment troubleshooting and preventive maintenance and is a series of seven courses conducted over six months. Class sizes are typically between 18 and 25 students.

To encourage participation in the program KCP&L offers participants a rebate for a portion of their tuition cost. Each student in the class that is associated with a commercial property receiving electrical service from KCP&L and successfully completes the certification process is eligible for the rebate.

Below is a description of the current BOC courses.

Level I Course Descriptions

BOC 1001 – Energy Efficient Operation of Building HVAC Systems (1 Day-Core)

Focuses on operation and maintenance of equipment and components typically found in commercial buildings, including central heating, cooling, air and ventilating systems in buildings.

Project: Heating System Operational Review

BOC 1002 – Measuring & Benchmarking Energy Performance (1 Day-Core)

Helps operators gain a better understanding of how energy is used in commercial buildings and how to identify and prioritize conservation opportunities.

Project: Energy Use Profile for Facility

BOC 1003 – Efficient Lighting Fundamentals (1 Day-Core)

Covers lighting fundamentals and types of lighting for economical and energy-efficient lighting systems.

Project: Lighting Survey for Facility

BOC 1004 – HVAC Controls Fundamentals (1 Day-Core)

Focuses on operation and maintenance of equipment and components typically found in commercial buildings, including central heating, cooling, air and ventilating systems in buildings.

Project: Heating System Operational Review

BOC1005 – Indoor Environmental Quality (1 Day-Core)

Introduces the basic causes of indoor air quality problems and begins to develop a method of diagnosis and solution.

BOC 1006 – Common Opportunities for Low Cost Operational Improvement (1 Day-Core)

Focuses on a set of best practices for operations and maintenance that create and sustain green or high performance buildings.

Supplemental Courses: One offered per course series

BOC 1007 – Facility Electrical Systems (1 Day)

Introduces basic electrical theory, safety procedures, power distribution, and energy conservation to develop a practical understanding of electricity and its use in commercial facilities. Also covers basic troubleshooting in order to effectively work with licensed staff and/or contractors with ongoing electrical problems and maintenance support.

BOC 1008 – Operation & Maintenance Practices for Sustainable Buildings (1 Day)

Covers O&M best practices for green or high performance buildings including exterior site issues, water efficiency, cleaning products, material and supply purchasing, energy, and indoor environmental quality to improve the performance of both existing buildings and newly-designed green buildings.

BOC 1009 – Building Scoping for Operational Improvement (1 Day)

Focuses on creating a prioritized scope of work for finding opportunities for energy saving operational adjustments.

Project: E-learning module and collection and analysis of data from their facility.

BOC 1010 – Energy Efficient Ventilation Strategies and High Performance Heating and Cooling Equipment (1 Day)

Covers the theory, design, and operational practices for displacement ventilation strategies, under-floor air distribution systems, and naturally ventilated and mixed mode strategies in buildings, including new HVAC equipment technologies being installed in high performance buildings. Includes the financial, energy, operations, maintenance and indoor environmental quality considerations related to high performance HVAC equipment.

BOC 1011 – Energy Efficient Ventilation Strategies and Energy Savings through Energy Recovery (1 Day)

Covers the theory, design, and operational practices for displacement ventilation strategies, under-floor air distribution systems, naturally ventilated and mixed mode strategies in buildings, and energy recovery from air and water source systems. Includes methods for capturing heating and cooling energy before it is vented or wasted, and related technologies currently available in the market.

BOC 1012 – High Performance Heating and Cooling Equipment and Energy Savings through Energy Recovery (1 Day)

Focuses on new HVAC equipment technologies being installed in high performance buildings. The course covers the financial, energy, operations, maintenance and indoor environmental quality considerations related to high performance HVAC equipment. Covers methods for capturing heating and cooling energy from air and water source systems before it is vented or wasted, and about related technologies currently available in the market.

Level II Course Descriptions

BOC 201 – Preventive Maintenance & Operations (1 Day-Core)

Covers the step-by-step process for starting and operating a preventive maintenance program that produces energy savings and equipment reliability.

BOC 202 – Advanced Electrical Diagnostics (1 Day-Core)

Learn to locate and repair electrical opens, shorts, overloads, and high resistance.

Project: Power Quality Upgrade Plan

BOC 203 – HVAC Troubleshooting & Maintenance (2 Days-Core)

Learn to troubleshoot and improve the efficiencies of the primary heating, cooling and ventilation systems of commercial buildings.

Project: HVAC System Comparison

BOC 204 – HVAC Controls & Optimization (1 Day-Core)

Learn energy efficient operation, maintenance, and service of HVAC controls and related devices for central air systems commonly found in commercial buildings.

Project: Controls System Diagram

Supplemental Courses: Two offered per course series

BOC 210 – Advanced Indoor Air Quality (1 Day)

Learn to use the EPA recommended procedures for preventing and troubleshooting Indoor Air Quality problems for equipment and building operations.

BOC 211 – Motors in Facilities (1 Day)

Understand how motors work and identify their uses and applications in facilities.

BOC 212 – Water Efficiency for Building Operators (1/2 Day)

Identify water savings measures in commercial and institutional facilities through detection and repair of leaks, operational changes, and low-cost equipment improvements.

BOC 213 – Mastering Electrical Control Circuits (1/2 Day)

Introduces basic electric control concepts, wiring schematic fundamentals and blueprint to panel-board recognition.

BOC 214 – Introduction to Building Commissioning (1 Day)

Introduces the building commissioning process for new and existing buildings with an emphasis on existing building commissioning and the building operator's role.

BOC 215 – Electric Motor Management (1/2 Day)

Learn how to calculate power costs for electric motors, and to identify improvements in motor management practices that make big differences in system reliability and electricity bills.

BOC 216 – Enhanced Automation & Demand Reduction (1 Day)

Introduces technologies to help building personnel better manage their energy use, reduce electrical demand, and maintain or even improve the comfort of building occupants.

2. Program Goal

A. Expected energy and demand savings – time horizon

Because the BOC program is an educational program, no energy and demand savings will be attributed to the program; however, it is expected that operational savings will be achieved by participants.

3. Program Framework/Strategy

A. Relationship to other programs

The BOC program is designed for commercial and industrial building operators; therefore, the program provides a natural opportunity for customers to learn about the Business Energy Analyzer program. In addition, there are a number of other non-demand-side management programs that are designed for the commercial customer segment. Those programs include AccountLink, AccountLink Advantage and ApartmentLink.

B. Marketing Strategy

The target market for Building Operator Certification is defined as the person or persons responsible for maintaining a building's operating facilities on a daily basis. Most facilities have a specific person responsible for this function; however, only larger facilities, usually 50,000 square feet or more, will have a person designated full-time for this function. The BOC program is designed for building operators, building managers, maintenance staff and utility representatives. The following business sectors are targeted:

- Education
- Government
- Health Care
- Hospitality
- Municipal and County Government
- Property Management
- Retail

There is a two-tiered customer value proposition for the building owner, or facility manager, and the building operator.

Building Owner or Facility Manager	Building Operator
<ul style="list-style-type: none">▪ Lower energy expenditures potential in the 5-15% range	<ul style="list-style-type: none">▪ Receive recognition for industry expertise
<ul style="list-style-type: none">▪ Increase tenant satisfaction and retention rates by providing better comfort, air quality and safety	<ul style="list-style-type: none">▪ Potential additional compensation due to documented industry expertise

Marketing Tactics

KCP&L may utilize the methods described below to reach the targeted building owner, facility manager, or building operator:

- Promote the BOC program to specific customers through KCP&L Energy Consultants and Commercial Consultants.
- Utilize newsletter communications such as the commercial version of The Wire and the Customer Solutions monthly electronic newsletter called Energy Talk, which is emailed to approximately 750 contacts.
- Advertise in industry publications/newsletters.
- Promote Program on www.kcpl.com Home Page, within site and in AccountLink Advantage portal.
- Include information on customers' bills (bill message).
- Reach out to industry associations such as BOMI through their websites, electronic newsletters, speaking opportunities, and testimonials.

C. Program Delivery

In Missouri, the Department of Energy of the Missouri Department of Natural Resources (MDNR) operates BOC on behalf of MEEA. This is done with support from KCP&L, and other utilities, to offer the training in their respective Missouri service areas. MDNR Department of Energy is a non-regulatory state agency that works to protect the environment and stimulate the economy through energy efficiency and renewable energy resources and technologies.

In Kansas, MEEA operates the BOC program directly. The program is supported in Kansas by KCP&L, Westar, and Midwest Energy.

KCP&L customers may take the BOC program courses in Kansas or Missouri with the partnerships that are in place.

KCP&L has an internal staff person who manages the BOC program.

D. Partners

KCP&L will continue to use its existing partners in the BOC program. These include the following:

- NEEC provides support for the development of the BOC program. NEEC is a non-profit regional consortium of utilities, government, public interest groups and the private sector dedicated to transforming markets for energy efficient products and services.
- MEEA is the leading source and champion for advancing sound energy-efficiency policies, programs and priorities to stretch essential resources. MEEA balances the interests of its diverse members, creating a common ground to affect positive change. Through MEEA, utilities, local and state governments, non-profits, manufacturers, retailers, consultants and others work together toward a shared vision for energy efficiency in the Midwest.

- MDNR Department of Energy is a non-regulatory state agency that works to protect the environment and stimulate the economy through energy efficiency and renewable energy resources and technologies.

4. Program Budget (Five-Year)

Since the BOC program is an established program, KCP&L does not have any start-up costs for the budget period. As required, the expected budget for the BOC program over the five-year period 2014 to 2018 is shown below although KCP&L is currently requesting only a two-year extension of the program.

	Program Delivery	Admin	Marketing	Customer Incentive	EM&V	TOTAL
2014	\$4,900	\$0	\$ 400	\$ 3,450	\$10,500	\$19,250
2015	1,400	0	300	2,300	0	4,000
2016	1,400	0	300	2,300	0	4,000
2017	1,400	0	300	2,300	0	4,000
2018	700	0	150	1,150	0	2,000
TOTAL	\$9,800	\$0	\$1,450	\$11,500	\$10,500	\$33,250

5. Program Beneficiaries

A. Expected number of participants by customer class or subclass

The expected number of participants over the five-year period 2014 to 2018 is shown below although KCP&L is currently requesting only a two-year extension of the program.

	Kansas Commercial/Industrial Participants*
2014	6
2015	4
2016	4
2017	4
2018	2
Total	20
*Classes consist of customers from all KCP&L jurisdictions in Kansas, Missouri, and GMO.	

B. Other beneficiaries

No other beneficiaries have been observed.

6. Program Benefit-Cost Analysis

In Docket No. 08-GIMX-441-GIV, page 16, the Commission ordered "...the Commission finds that it will not subject education programs to benefit-cost analysis but will require utilities to provide extensive explanations of the programs and their attendant costs, evidence of usefulness in other jurisdictions, and any additional information the utility believes will support the implementation of an education program." Therefore, because KCP&L's Building Operator Certification program is considered an education program, no benefit-cost analysis is included.

7. Program Evaluation, Measurement and Verification Plan

Program evaluation, measurement and verification (EM&V) are key elements of demand-side management (DSM) programs. EM&V is used to document and measure the effects of a program and to determine whether the program met its goal with respect to being a reliable energy resource. EM&V is also used to help understand why certain effects occurred and to identify ways to improve current programs and to select future programs.

KCP&L contracted with Opinion Dynamics Corporation to conduct EM&V of the BOC program after it had been in place for two years. The final evaluation report was completed in September 2009. A copy of this report was included as Confidential Schedule JDJ-8 attached to the Direct Testimony of KCP&L witness Jason Jones in Docket No. 11-KCPE-780-TAR.

The two types of evaluation utilized are:

Process evaluation: Process evaluation assesses program delivery, from design to implementation, in order to identify bottlenecks, efficiencies, what did and did not work, constraints and potential improvements.

Evaluation plans are developed by the evaluation contractor(s) and describe all necessary data collection, process evaluation tasks and impact evaluation tasks by program. Evaluation Plans include the following information:

- study methodology by program;
- data collection strategies;
- data requests by program; and
- detailed work plan and schedule.

Impact evaluation: Impact evaluation determines the impacts (energy and demand savings) and co-benefits (avoided emissions, energy security, transmission/distribution benefits) that directly result from a program. Impact evaluations also support cost-effectiveness analyses aimed at identifying relative program costs and benefits.

Going forward, EM&V of the BOC program will be completed consistent with requirements established by the Commission in Docket No. 08-GIMX-442-GIV and Docket No. 10-GIMX-013-GIV (the "013 Docket"). Because the BOC program is an education program, only a process evaluation will be conducted. As shown in the five-year budget included in this Appendix A information, KCP&L expects that EM&V evaluation will be conducted on the BOC program in 2014 (to evaluate the program through the end of 2013); however, given the Commission's Order in the 013 Docket, Staff and the Commission will ultimately determine the timing and cost of such EM&V evaluations.

8. Program Specific Tariff Schedule

Please see the tariff included as part of this Attachment 3 for KCP&L's Building Operator Certification Program, Schedule 8, also referred to as Schedule BOC.

ATTACHMENT 4

KANSAS CITY POWER & LIGHT COMPANY

(Name of Issuing Utility)

Replacing Schedule 7 Sheet 1

Rate Areas No. 2 & 4

(Territory to which schedule is applicable)

which was filed May 27, 2011

No supplement or separate understanding shall modify the tariff as shown hereon. Sheet 1 of 3 Sheets

RESIDENTIAL, SMALL AND MEDIUM GENERAL SERVICE AIR CONDITIONER CYCLING RIDER PROGRAMMABLE THERMOSTAT PROGRAM
Schedule PT

PURPOSE:

The Programmable Thermostat Program (Program) is intended to help reduce system peak load and thus defer the need for additional capacity. The Program accomplishes this by cycling a Participant's air conditioning unit (and/or other appliances) temporarily in a Company coordinated effort to limit overall system peak load.

AVAILABILITY:

This Program is available to any Customer currently receiving or requesting service under any residential rate schedule or any small or medium general service rate schedule. Customers must also have adequate paging, radio, Wi-Fi or other acceptable technology coverage and have a working central air conditioning system of suitable size and technology to be controlled by the programmable thermostat and economically contribute to the Program. Residential property owner's (owner occupant or landlord for a rental property) permission is required to participate. Commercial property owner's permission may be required for the tenant to participate, based on thermostat ownership. The Company may limit the number of participants based on available Program budget. The Company reserves the right to modify or terminate the Program at any time subject to Commission approval.

CONTROLS AND INCENTIVES:

Participating Customers will receive a programmable thermostat that can be controlled via signals sent to the unit by the Company or its assignees. During a curtailment event, the Company or its assignee will send a signal to the thermostat that will cycle the air conditioner and/or other equipment. Customers may use the programmable thermostat throughout the year to improve heating and cooling efficiency. Other Company-supplied control devices may be substituted for, or provided in addition to, the programmable thermostat to control other appliances such as pool pumps or electric water heaters with the Customer's permission.

CYCLING METHODS:

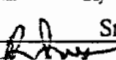
The Company may elect to cycle participating Customers' air conditioner units either by raising the thermostat setting, or by directly cycling the compressor unit.

NOTIFICATION:

The Company will notify participating Customers of a curtailment event via a website and/or on the thermostat. The notification can occur prior to or at the start of a curtailment event.

CURTAILMENT SEASON:

The curtailment season will extend from June 1 to September 30.

Issued:	<u>July 18, 2013</u> <small>Month Day Year</small>
Effective:	_____ <small>Month Day Year</small>
By:	<u>Darwin R. Ives</u>  <u>Sr. Director</u> <small>Title</small>

KANSAS CITY POWER & LIGHT COMPANY

(Name of Issuing Utility)

Replacing Schedule 7 Sheet 2

Rate Areas No. 2 & 4

(Territory to which schedule is applicable)

which was filed May 27, 2011

No supplement or separate understanding shall modify the tariff as shown hereon. Sheet 2 of 3 Sheets

**RESIDENTIAL, SMALL AND MEDIUM GENERAL SERVICE AIR CONDITIONER CYCLING RIDER
PROGRAMMABLE THERMOSTAT PROGRAM
Schedule PT (Continued)**

CURTAILMENT LIMITS:

The Company may call a curtailment event any weekday, Monday through Friday, excluding Independence Day and Labor Day, or any day celebrated as such. A curtailment event occurs whenever the thermostat is being controlled by the Company. The Company may call a maximum of one curtailment event per day lasting no longer than four (4) hours per Customer. The Company is not required to curtail all participating Customers simultaneously and may stagger curtailment events across participating Customers.

CURTAILMENT OPT OUT PROVISION:

Participating Customers may opt out of one air conditioning cycling curtailment event each month during the Curtailment Season by notifying the Company at any time prior to or during a curtailment event. Notification must be communicated to the Company by using the Company's website (www.kcpl.com) or by calling the Company at the telephone number provided with the air conditioner cycling agreement. If an event does not occur on the day the Customer requested to opt out, the Customer is not considered as having used their once-per-month opt out provision.

NEED FOR CURTAILMENT:

Curtailments may be requested for operational or economic reasons. Operational curtailments may occur when any physical operating parameter(s) approach a constraint on the generation, transmission or distribution systems or to maintain the Company's capacity margin requirement. Economic reasons may include any occasion when the marginal cost to produce or procure energy or the price to sell the energy in the wholesale market is greater than a Customer's retail price.

CONTRACT TERM:

Initial contracts will be for a term of three years. Thereafter, the contract will continue to be in force, terminable on 90 days written notice. At the end of the initial contract term, the thermostat becomes the Customer's property; and, so long as the contract is in force, the Company will provide maintenance and repair to the programmable thermostat as may be required due to normal use. If the Customer leaves the Program prior to the end of the initial contract, the Company will have 60 days thereafter to remove the thermostat and/or other control equipment; otherwise, any equipment previously installed at Company expense becomes the Customer's property. With the exception of thermostats, the Company may retain ownership of all other Company supplied control devices after the initial contract term.

Issued:	<u>July 18, 2013</u> <small>Month Day Year</small>
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By:	<u>Darrin R. Ives</u> <i>[Signature]</i> <u>Sr. Director</u> <small>Title</small>

THE STATE CORPORATION COMMISSION OF KANSAS

SCHEDULE 7

KANSAS CITY POWER & LIGHT COMPANY

(Name of Issuing Utility)

Replacing Schedule 7 Sheet 3

Rate Areas No. 2 & 4

(Territory to which schedule is applicable)

which was filed May 27, 2011

No supplement or separate understanding shall modify the tariff as shown hereon.

Sheet 3 of 3 Sheets

**RESIDENTIAL, SMALL AND MEDIUM GENERAL SERVICE AIR CONDITIONER CYCLING RIDER PROGRAMMABLE THERMOSTAT PROGRAM
Schedule PT (Continued)**

PROGRAM FUNDING:

The Company will provide for incentive payments, marketing costs, evaluation cost, and Program administrative and delivery costs. Such costs shall be eligible for recovery under the Company's Energy Efficiency Rider, Schedule EE, subject to the provisions thereof.

EVALUATION:

Evaluation, measurement and verification of the Program will be completed consistent with requirements established by the Commission in Docket No. 08-GIMX-442-GIV and Docket No. 10-GIMX-013-GIV.

Issued:	<u>July 18, 2013</u> Month Day Year
Effective:	_____ Month Day Year
By:	<u>Darrin R. Ives</u> Sr. Director Title

KANSAS CITY POWER & LIGHT COMPANY

(Name of Issuing Utility)

Replacing Schedule 7 Sheet 1

Rate Areas No. 2 & 4

(Territory to which schedule is applicable)

which was filed September 6, 2007 May 27, 2011

No supplement or separate understanding shall modify the tariff as shown hereon. Sheet 1 of 3 Sheets

**RESIDENTIAL, SMALL AND MEDIUM GENERAL SERVICE AIR CONDITIONER CYCLING RIDER
ENERGY OPTIMIZER PROGRAMMABLE THERMOSTAT PROGRAM
Schedule EOPT**

PURPOSE:

The ~~Energy Optimizer Programmable Thermostat Program~~ (Program) is intended to help reduce system peak load and thus defer the need for additional capacity. The Program accomplishes this by cycling a Participant's air conditioning unit (and/or other appliances) temporarily in a Company coordinated effort to limit overall system peak load.

AVAILABILITY:

-This Program is available to any Customer currently receiving or requesting service under any residential rate schedule or any small or medium general service rate schedule. Customers must also have adequate paging, ~~and/or radio, Wi-Fi or other acceptable technology~~ coverage and have a working central air conditioning system of suitable size and technology to be controlled by the programmable thermostat and economically contribute to the Program. Residential property owner's (owner occupant or landlord for a rental property) permission is required to participate. Commercial property owner's permission may be required for the tenant to participate, based on thermostat ownership. The Company may limit the number of participants based on available Program budget, ~~and The Company~~ reserves the right to modify or terminate the Program at any time subject to Commission approval.

CONTROLS AND INCENTIVES:

Participating Customers will receive a programmable thermostat that can be controlled via ~~radio~~-signals sent to the unit by the Company or its assignees. During a curtailment event, the Company or its assignee will send a ~~radio~~-signal to the thermostat that will cycle the air conditioner and/or other equipment. Customers may use the programmable thermostat throughout the year to improve heating and cooling efficiency. Other Company-supplied control devices may be substituted for, or provided in addition to, the programmable thermostat to control other appliances such as pool pumps or electric water heaters with the Customer's permission.

CYCLING METHODS:

The Company may elect to cycle participating Customers' air conditioner units either by raising the thermostat setting, or by directly cycling the compressor unit.

NOTIFICATION:

The Company will notify participating Customers of a curtailment event via a website and/or on the thermostat. The notification can occur prior to or at the start of a curtailment event.

CURTAILMENT SEASON:

The curtailment season will extend from June 1 to September 30.

Issued: <u>May 27, 2011</u> <u>July 18, 2013</u> Month Day Year	FILED
Effective: <u>January 4, 2012</u> Month Day Year	THE STATE CORPORATION COMMISSION OF KANSAS
By: <u>Mary Britt</u> <u>Sr. Director</u> Title	By: _____ Secretary

KANSAS CITY POWER & LIGHT COMPANY

(Name of Issuing Utility)

Replacing Schedule 7 Sheet 2

Rate Areas No. 2 & 4

(Territory to which schedule is applicable)

which was filed September 6, 2007 ~~May 27, 2011~~

No supplement or separate understanding shall modify the tariff as shown hereon.

Sheet 2 of 3 Sheets

RESIDENTIAL, SMALL AND MEDIUM GENERAL SERVICE AIR CONDITIONER CYCLING RIDER ENERGY OPTIMIZER PROGRAMMABLE THERMOSTAT PROGRAM

Schedule PT-EO

(Continued)

CURTAILMENT LIMITS:

The Company may call a curtailment event any weekday, Monday through Friday, excluding Independence Day and Labor Day, or any day celebrated as such. A curtailment event occurs whenever the thermostat is being controlled by the Company. The Company may call a maximum of one curtailment event per day lasting no longer than four (4) hours per Customer. The Company is not required to curtail all participating Customers simultaneously and may stagger curtailment events across participating Customers.

CURTAILMENT OPT OUT PROVISION:

Participating Customers may opt out of one air conditioning cycling curtailment event each month during the Curtailment Season by notifying the Company at any time prior to or during a curtailment event. Notification must be communicated to the Company by using the Company's website (www.kcpl.com) or by calling the Company at the telephone number provided with the air conditioner cycling agreement. If an event does not occur on the day the Customer requested to opt out, the Customer is not considered as having used their once-per-month opt out provision.

NEED FOR CURTAILMENT:

Curtailments may be requested for operational or economic reasons. Operational curtailments may occur when any physical operating parameter(s) approach a constraint on the generation, transmission or distribution systems or to maintain the Company's capacity margin requirement. Economic reasons may include any occasion when the marginal cost to produce or procure energy or the price to sell the energy in the wholesale market is greater than a Customer's retail price.

CONTRACT TERM:

Initial contracts will be for a term of three years. Thereafter, the contract will continue to be in force, ~~except that the Customer may terminate the program on 90 days written notice terminable thereafter on 90 days written notice.~~ At the end of the initial contract term, the thermostat becomes the Customer's property; and, so long as the contract is in force, the Company will provide maintenance and repair to the programmable thermostat as may be required due to normal use. If the Customer leaves the Program prior to the end of the initial contract, the Company will have 60 days thereafter to remove the thermostat and/or other control equipment; otherwise, any equipment previously installed at Company expense becomes the Customer's property. With the exception of thermostats, the Company may retain ownership of all other Company supplied control devices after the initial contract term.

Issued:	<u>May 27, 2011</u> Month Day Year	<u>July 18, 2013</u> Month Day Year
Effective:	<u>January 4, 2012</u> Month Day Year	
By:	<u>Mary Britt</u> Title	<u>Sr. Director</u> Title

FILED
THE STATE CORPORATION COMMISSION OF KANSAS
By: _____ Secretary

KANSAS CITY POWER & LIGHT COMPANY

(Name of Issuing Utility)

Replacing Schedule 7 Sheet 3

Rate Areas No. 2 & 4

(Territory to which schedule is applicable)

which was filed May 27, 2011

No supplement or separate understanding shall modify the tariff as shown hereon. Sheet 3 of 3 Sheets

**RESIDENTIAL, SMALL AND MEDIUM GENERAL SERVICE AIR CONDITIONER CYCLING RIDER
ENERGY OPTIMIZER PROGRAMMABLE THERMOSTAT PROGRAM
Schedule PT-EO (Continued)**

PROGRAM FUNDING:

The Company will provide for incentive payments, marketing costs, evaluation cost, and Program administrative and delivery costs. Such costs shall be eligible for recovery under the Company's Energy Efficiency Rider, Schedule EE, subject to the provisions thereof.

EVALUATION:

Evaluation, measurement and verification of the Program will be completed consistent with requirements established by the Commission in Docket No. 08-GIMX-442-GIV and Docket No. 10-GIMX-013-GIV.

Issued: May 27, 2011 July 18, 2013
Month Day Year

Effective: January 4, 2012
Month Day Year

By: Mary Britt Sr. Director
Title

FILED

— THE STATE CORPORATION COMMISSION OF
KANSAS

By: _____
Secretary

ATTACHMENT 4

APPENDIX A INFORMATION

Kansas City Power & Light Company

PROGRAMMABLE THERMOSTAT PROGRAM

The following information regarding KCP&L's Residential, Small and Medium General Service Programmable Thermostat program, (formerly named the Energy Optimizer Program or Schedule EO) is provided in compliance with Appendix A of the Commission's November 14, 2008 Final Order issued in Docket No. 08-GIMX-441-GIE. This program was first approved by the Commission in January 2006 in Docket No. 06-KCPE-315-TAR. This program is set forth in KCP&L's proposed tariff Schedule 7, also referred to as Schedule PT, provided with this filing.

1. Program Description

KCP&L's Residential, Small and Medium General Service Programmable Thermostat Program addresses the opportunity for load reduction on KCP&L's system on peak summer days. This demand response program focuses on residential and small to mid-tier commercial customers with peak demand less than 200 kW.

Customers who partner with KCP&L in this program receive a free programmable thermostat that they can use to help manage their energy usage throughout the year. Programmable thermostats can reduce heating and cooling costs by automatically adjusting temperature settings throughout the day to match homeowners' or businesses' schedules. The thermostat is maintained by KCP&L, free of charge to the customer, and can be accessed by the customer via the Internet as long as the customer remains a participant in the program.

The Company achieves load reduction with the Programmable Thermostat Program by sending a signal to each participating customer's thermostat. The signal contains instructions that are used by the thermostat to enact one of several possible load reduction strategies:

- The thermostat can cycle the outdoor compressor on and off at a level set by KCP&L;
- The thermostat can adjust the temperature by immediately raising the temperature several degrees at the beginning of an event;
- The thermostat can raise the temperature one degree per hour for a few hours; or
- A one-hour pre-cooling option is available whereby the temperature of a building is lowered by a few degrees before the start of a cycling event.

The Programmable Thermostat Program is designed to run from June 1 to September 30 each year. Curtailments can be called on weekdays only, with no limit on the total number of curtailments or number of consecutive days curtailed.

Curtailment length is limited to a maximum of four hours per day per participant. The overall curtailment period can be lengthened by strategically and sequentially curtailing load across the service territory (although this will reduce the maximum load reduction available for any one event). Program participants are permitted to override the system once per month and must communicate their override request via the Internet or by phone.

2. Program Goal

A. Expected energy and demand savings:

As of June 13, 2013, the program had 20,305 participants in Kansas, providing 18.3 MW of load reduction. Historically, based upon evaluation, measurement and verification (EM&V) studies of KCP&L's Energy Optimizer/Programmable Thermostat Program, savings achieved have equated to approximately 1 kW of load reduction per unit in single family homes and approximately 0.5 kW of load reduction in multi-family housing units. The commercial market has not undergone an EM&V study to date because, at the time the EM&V study was being conducted, there were not enough commercial participants to perform a valid evaluation. It is anticipated that the commercial aspect of the program will be fully reviewed during the next evaluation and it is anticipated that the savings from commercial participants will be significantly higher than those achieved in the single-family residential market.

3. Program Framework/Strategy

A. Relationship to other programs

The Programmable Thermostat Program has significant awareness throughout the KCP&L service territory. This awareness serves as a natural conduit to promote other demand-side management (DSM) programs and energy efficiency in general.

B. Marketing strategy

For at least the next year, KCP&L will not initiate marketing efforts to obtain new customers in the Programmable Thermostat Program.

C. Program Delivery

This Programmable Thermostat Program is a turn-key program provided by Honeywell Utility Solutions. Honeywell supplies the call center, marketing, appointment setting, installation and service. This program is managed by a KCP&L Product Manager.

D. Partners

Honeywell Utility Solutions is currently the primary partner for the Programmable Thermostat Program, providing appointment setting, installation, thermostat maintenance, and ongoing customer service.

4. Program Budget (Five-Year)

As required, the expected budget for the Programmable Thermostat Program over a five-year period (2014 – 2018) is shown below; however, KCP&L is currently requesting only a two-year extension for this program.

	Program Delivery	Admin	Marketing	Customer Incentive	EM&V	TOTAL
2014	**					**
2015	**					**
2016	**					**
2017	**					**
2018	**					**
TOTAL	**					**

5. Program Beneficiaries

A. Number of participants by customer class

KCP&L currently expects to maintain the current level of participation and load reduction over the next two years (extrapolated out to five years for purposes of showing the required five-year budget) without adding any incremental participants; however, as noted previously, KCP&L will re-evaluate desired participation levels annually and bring any proposed changes to the attention of Commission Staff and request Commission approval of any necessary budget changes.

As of June 13, 2013, the program had 20,305 participants in Kansas, providing 18.3 MW of load reduction.

B. Other beneficiaries

Demand response programs such as the Programmable Thermostat Program are designed to postpone the need for new peaking power plants – plants that provide energy only during peak demand periods. While the direct financial beneficiaries of the Programmable Thermostat Program are the customers who participate in the program, to the extent that construction of new peaking power plants is postponed, all KCP&L customers will benefit, not just the program participants.

6. Program Benefit-Cost Analysis

All five benefit-cost tests are shown below. The dollar values below are on a present value basis with the assumption that all future cash flows start at the beginning of each annual period, discounted at the appropriate discount rate.

Programmable Thermostat Program		
Test Name	Test Results	
Utility Test	5.75	
TRC Test	5.75	
RIM Test	5.75	
RIM (Net Fuel)	5.75	
Participant Test	N/A	
Societal Test 3% / \$10	5.58	
Societal Test 3% / \$25	5.58	
Societal Test 3% / \$40	5.58	
Societal Test 7% / \$10	5.75	
Societal Test 7% / \$25	5.75	
Societal Test 7% / \$40	5.75	

Assumptions	No kWh energy savings, only kW demand reduction
Utility Discount Rate (%)	** [REDACTED] **
Participant Discount Rate (%)	10.00%
Electric Losses (%)	** [REDACTED] **
Societal Discount Rate1 (%)	3.00%
Societal Discount Rate2 (%)	7.00%

Avoided Costs	
Avoided T&D (\$ / kW)	** [REDACTED] **
Avoided Market-Based Ancillary Service Charges (OATT)	** [REDACTED] **
Cost-Based Proxy for Avoided Capacity (\$ / kW Annualized)	** [REDACTED] **
CO ₂ emissions (kG/kWh)	** [REDACTED] **

Cost Based Avoided Electric Production	** [REDACTED] **
----------------------------------------	------------------

Avoided T&D Electric	** [REDACTED] **
Avoided Electric Capacity	** [REDACTED] **
Total Cost Based Avoided Costs	** [REDACTED] **

Market Based Avoided Electric Production Costs	** [REDACTED] **
-------------------------------------------------------	-------------------------

Program Costs	
Administration Costs	** [REDACTED] **
Implementation / Participation Costs	** [REDACTED] **
Customer Incentives	** [REDACTED] **
Other / Miscellaneous Costs	** [REDACTED] **
Total Program Cost	** [REDACTED] **

Participant Cost	** [REDACTED] **
-------------------------	-------------------------

Environmental Benefits	@ 3% Discount Rate	@ 7% Discount Rate
\$10 per Ton	** [REDACTED] **	** [REDACTED] **
\$25 per Ton	** [REDACTED] **	** [REDACTED] **
\$40 per Ton	** [REDACTED] **	** [REDACTED] **

Other Environmental Benefits, NOx SOx	** [REDACTED] **
----------------------------------------------	-------------------------

Lost Revenue	
Gross Lost Revenue, Electric	** [REDACTED] **
Net Fuel Lost Revenue, Electric	** [REDACTED] **

7. Program Evaluation, Measurement and Verification Plan

Program EM&V provides a key element of DSM programs. EM&V is used to document and measure the effects of a program and to determine whether the program met its goal with respect to being a reliable resource. EM&V is also used to help understand why certain effects occurred and to identify ways to improve current programs and to select future programs.

KCP&L contracted with Opinion Dynamics Corporation to conduct EM&V of the Energy Optimizer program after it had been in place for two years. The final evaluation report was completed in April 2008. A copy of this report was included as

Confidential Schedule JDJ-6 attached to the Direct Testimony of KCP&L witness Jason Jones in Docket No. 11-KCPE-780-TAR.

The two types of evaluation utilized are:

Process evaluation: Process evaluation assesses program delivery, from design to implementation, in order to identify bottlenecks, efficiencies, what did and did not work, constraints and potential improvements.

Evaluation plans are developed by the evaluation contractor(s) and describe all necessary data collection, process evaluation tasks and impact evaluation tasks by program. Evaluation Plans include the following information:

- study methodology by program;
- data collection strategies;
- data requests by program; and
- detailed work plan and schedule.

Impact evaluation: Impact evaluation determines the impacts (energy and demand savings) and co-benefits (avoided emissions, energy security, transmission/distribution benefits) that directly result from a program. Impact evaluations also support cost-effectiveness analyses aimed at identifying relative program costs and benefits.

The Monitoring and Verification (M&V) process acts as a quality control and quality assurance process for the savings, tracking and accounting for the program.

Monitoring: This is the monitoring of installations when needed to determine or verify savings from a measure that is applied in a unique way, is significant in savings, or is new to the market. Working with the evaluation contractor, guidelines are developed to determine which projects should be monitored.

Verification: During the processing of an application for customer incentives (rebates), KCP&L reviews the equipment specifications by model number to determine if that measure qualifies. This "paper" verification occurs on all applications. Additionally, there are random field visits to assure the correct number and types of measures were installed at the customer's facility.

Historically, KCP&L retained one or more EM&V contractors to perform process and impact evaluations for its programs in order to avoid conflicts of interest and to insure credibility of the evaluation results. EM&V was conducted by the implementation team with advice of the EM&V contractor.

Going forward, EM&V of the Programmable Thermostat Program will be completed consistent with requirements established by the Commission in Docket No. 08-GIMX-442-GIV and Docket No. 10-GIMX-013-GIV (the "013 Docket"). As shown in

the five-year budget included in this Appendix A information, KCP&L expects that EM&V evaluation will be conducted on the Programmable Thermostat Program in 2014 (to evaluate the program through the end of 2013); however, given the Commission's Order in the 013 Docket, Staff and the Commission will ultimately determine the timing and cost of such EM&V evaluations.

8. Program Specific Tariff Schedule

Please see the tariff included as part of this Attachment 4 for KCP&L's Residential and Small and Medium General Service Programmable Thermostat Program, Schedule 7, also referred to as Schedule PT.

ATTACHMENT 5

KANSAS CITY POWER & LIGHT COMPANY

(Name of Issuing Utility)

Replacing Schedule 76 Sheet 1

Rate Areas No. 2 & 4

(Territory to which schedule is applicable)

which was filed May 27, 2011

No supplement or separate understanding shall modify the tariff as shown hereon.	Sheet <u>1</u> of <u>6</u> Sheets
<p>DEMAND RESPONSE INCENTIVE RIDER Schedule DR</p>	
<p>PURPOSE:</p> <p>This voluntary rider is intended to help defer future generation capacity additions and provide for improvements in energy supply.</p>	
<p>AVAILABILITY:</p> <p>This Rider is available to any Customer currently receiving or requesting service under any generally available non-residential rate schedule. The Customer must have load curtailment capability of at least 25 kW during the Curtailment Season within designated Curtailment Hours and must agree to establish Firm Power Levels as set forth herein. Availability is further subject to the economic and technical feasibility of the installation of required Company equipment. The Company reserves the right to limit the total Curtailable Load determined under this Rider. The Company also reserves the right to modify or terminate the Program at any time subject to Commission approval.</p>	
<p>NEED FOR CURTAILMENT:</p> <p>Curtailments can be requested for operational or economic reasons. Operational curtailments may occur when physical operating parameters approach becoming a constraint on the generation, transmission, or distribution systems or to maintain the Company's capacity margin requirement. Economic reasons may include any occasion when the marginal cost to produce or procure energy or the opportunity to sell the energy in the wholesale market is greater than the Customer's retail price.</p>	
<p>AGGREGATION OF A CUSTOMER'S MULTIPLE ACCOUNTS:</p> <p>For the purposes of this Rider only, and at the Company's option, a Customer with multiple accounts may request that some or all of its accounts be aggregated with respect to Estimated Peak Demands, Curtailable Loads and Firm Power Levels, so long as each account in the aggregation is able to provide a Curtailable Load of at least 25 kW.</p> <p>The aggregated account will be treated as a single account for purposes of calculating the Program Participation Payments, Curtailment Occurrence Payments and Penalties.</p>	
<p>TERM OF CONTRACT:</p> <p>Contracts under this Rider shall be for a one-year, three-year, or five-year term. Thereafter, Customers may enter into a new contract for a term of one year, three years, or five years subject to the terms and conditions of this Rider as may be modified from time to time. The Company reserves the right to limit the contract term. Written notice by either the Customer or Company to terminate a contract must be given at least thirty (30) days prior to commencement of the Curtailment Season.</p>	
<p>CURTAILMENT SEASON:</p> <p>The Curtailment Season shall be June 1 through September 30. The Curtailment Season will exclude Independence Day, Labor Day, or the days celebrated as such.</p>	
Issued: <u>July 18, 2013</u> <small>Month Day Year</small>	
Effective: _____ <small>Month Day Year</small>	
By: <u>Darrin R. Ives</u> <u>Sr. Director</u> <small>Title</small>	

KANSAS CITY POWER & LIGHT COMPANY

(Name of Issuing Utility)

Replacing Schedule 76 Sheet 2

Rate Areas No. 2 & 4

(Territory to which schedule is applicable)

which was filed May 27, 2011

No supplement or separate understanding shall modify the tariff as shown hereon. Sheet 2 of 6 Sheets

**DEMAND RESPONSE INCENTIVE RIDER
Schedule DR**

(Continued)

CURTAILMENT HOURS:

Curtailment will occur during the hours of 12:00 noon through 10:00 pm, Monday through Friday, during the Curtailment Season. The Curtailment Hours associated with a Curtailment Event will be established at the time of the Curtailment Notification.

CURTAILMENT NOTIFICATION:

Customers will receive Curtailment Notification a minimum of four hours prior to the start time of a Curtailment Event.

CURTAILMENT LIMITS:

The Customer shall specify in the contract, the Maximum Number of Curtailment Events for which the Customer agrees to curtail each Curtailment Season. The Maximum Number of Curtailment Events shall not exceed ten (10) separate occurrences per year. Each occurrence shall be no less than two hours and no more than eight hours per day and no more than one occurrence will be required per day. The Company may call a Curtailment Event no more than three consecutive days per calendar week. The cumulative Curtailment Hours per Customer shall not exceed eighty (80) hours in any calendar year.

ESTIMATED PEAK DEMANDS:

The Estimated Peak Demand is the average of the Customer's Monthly Maximum Demand for Monday through Friday between 12:00 noon and 10:00 pm for June through September of the previous year.

The Company may use such other data or methodology as may be appropriate to establish the Estimated Peak Demand or to otherwise measure the Customer's curtailment performance.

ESTIMATED PEAK DEMAND MODIFICATIONS:

The Company may review and, if necessary, adjust the Customer's Estimated Peak Demand based on evidence that the Customer's actual peak demand has changed, or will change, significantly from the Estimated Peak Demand currently being used to calculate Curtailable Load. If a change in the Customer's Estimated Peak Demand results in a change in their Curtailable Load, the Customer shall lose and/or repay their curtailment payments proportional to the number of days curtailment was not available and the change in the Curtailable Load.

FIRM POWER LEVELS:

During the months of June through September, the Customer's Firm Power Level, which is the maximum demand level to be drawn during a Curtailment Event, shall be set at least 25 kW less than the Customer's Estimated Peak Demand.

The Company may use a Test Curtailment to establish the Firm Power Levels for the Customer.

Issued:	<u>July 18, 2013</u>
	Month Day Year
Effective:	_____
	Month Day Year
By:	<u>Darrin R. Ives, Sr. Director</u>
	Signature Title

KANSAS CITY POWER & LIGHT COMPANY

(Name of Issuing Utility)

Replacing Schedule 76 Sheet 3

Rate Areas No. 2 & 4

(Territory to which schedule is applicable)

which was filed May 27, 2011

No supplement or separate understanding shall modify the tariff as shown hereon.

Sheet 3 of 6 Sheets

**DEMAND RESPONSE INCENTIVE RIDER
Schedule DR**

(Continued)

FIRM POWER LEVEL MODIFICATION:

After the Curtailment Season and upon ninety (90) days written notice by the Customer, the Firm Power Level may be modified to reflect significant change in Customer load, subject to verification and approval by the Company. Any adjusted Firm Power Level shall continue to provide for a minimum Curtailable Load of 25 kW. At any time the Company may adjust the Customer's Firm Power Level downward based on evidence that the Customer's actual demand has dropped, or will drop, significantly from the Estimated Peak Demand. Any change in Firm Power Level that decreases Curtailable Load for the Customer shall result in re-evaluation of all curtailment compensation to the Customer including any payment or credits made in advance of the Curtailment Season. The Customer shall repay the Company prior payments/credits made in excess of the curtailment compensation due based upon the decreased level of Curtailable Load.

CURTAILABLE LOAD:

Curtailable Load shall be that portion of a Customer's Estimated Peak Demand that the Customer is willing and able to commit for curtailment and the Company agrees to accept for curtailment. The Curtailable Load shall be the same amount for each month of the contract. Under no circumstances shall the Curtailable Load be less than 25 kW. Curtailable Load is calculated as the difference between the Estimated Peak Demand as determined above, and the Firm Power Level.

Issued:	<u>July 18, 2013</u>
	Month Day Year
Effective:	_____
	Month Day Year
By:	<u>Darrin R. Ives</u> Sr. Director
	Title

KANSAS CITY POWER & LIGHT COMPANY

(Name of Issuing Utility)

Replacing Schedule 76 Sheet 4

Rate Areas No. 2 & 4

(Territory to which schedule is applicable)

which was filed May 27, 2011

No supplement or separate understanding shall modify the tariff as shown hereon.

Sheet 4 of 6 Sheets

**DEMAND RESPONSE INCENTIVE RIDER
Schedule DR**

(Continued)

CUSTOMER COMPENSATION:

Customer compensation shall be defined within each Customer contract and will be based on contract term, Maximum Number of Curtailment Events and the number of actual curtailment occurrences per season. Timing of all payments/credits shall be specified in the contract with each Customer. Payments shall be paid to the Customer in the form of a check or bill credit as specified in the contract. The credits shall be applied before any applicable taxes. All other billing, operational, and related provisions of other applicable rate schedules shall remain in effect.

Compensation will include:

INITIAL PAYMENT: A Customer, upon agreement with the Company, may receive a one-time payment to purchase specific equipment necessary to participate in the MPOWER Rider. The amount of any Initial Payment will be deducted from the Program Participation Payment on a net present value (NPV) basis calculated by the Company and in no case will the Initial Payment amount exceed the Program Participation Payment amount. The Initial Payment amount will not be greater than a level which would result in an annual Program Participation Payment of less than \$2.50 per kilowatt of Curtailable Load per Curtailment Event.

PROGRAM PARTICIPATION PAYMENT: For each Curtailment Season, Customer shall receive a payment/credit of a minimum of:

- One-year contract: \$2.50 per kilowatt of Curtailable Load multiplied by the Maximum Number of Curtailment Events. Customers enrolling in their third or fourth consecutive one-year contracts will receive \$3.25 per kilowatt of Curtailable Load multiplied by the Maximum Number of Curtailment Events. Customers enrolling in their fifth or greater consecutive one-year contract will receive \$4.50 per kilowatt of Curtailable Load multiplied by the Maximum Number of Curtailment Events.
- Three-year contract: \$3.25 per kilowatt of Curtailable Load multiplied by the Maximum Number of Curtailment Events.
- Five-year contract: \$4.50 per kilowatt of Curtailable Load multiplied by the Maximum Number of Curtailment Events.

The Program Participation Payment will be divided by the number of months in the Curtailment Season and applied as bill credits equally for each month of the Curtailment Season.

CURTAILMENT OCCURRENCE PAYMENT: The Customer will also receive \$0.35 per kW of Curtailable Load for each Curtailment Hour during which the Customer's metered demand is less than or equal to his Firm Power Level during a Curtailment Event.

Payments for Additional Voluntary Events could be an amount other than \$0.35 per kW and will be determined in advance of each Additional Voluntary Event.

Issued:	<u>July 18, 2013</u>
	<small>Month Day Year</small>
Effective:	_____
	<small>Month Day Year</small>
By:	<u>Darrin R. Ives</u> <u>Sr. Director</u>
	<small>Title</small>

KANSAS CITY POWER & LIGHT COMPANY

(Name of Issuing Utility)

Replacing Schedule 76 Sheet 5

Rate Areas No. 2 & 4

(Territory to which schedule is applicable)

which was filed May 27, 2011

No supplement or separate understanding shall modify the tariff as shown hereon.

Sheet 5 of 6 Sheets

**DEMAND RESPONSE INCENTIVE RIDER
Schedule DR**

(Continued)

PENALTIES:

Failure of the Customer to effect load reduction to its Firm Power Level or lower in response to any Company request for curtailment shall result in the following reduction in, or refund of, Program Participation Payments and Curtailment Occurrence Payments for each such failure as outlined below:

Curtailment Occurrence Payment reduction: Customer will forfeit Curtailment Occurrence Payment for every hour during which it fails to effect load reduction to its Firm Power Level or lower.

Program Participation Payment reduction: Customer will receive reduced future Program Participation Payments or a bill debit, in an amount equal to 150% of the Program Participation Payment divided by the Maximum Number of Curtailment Events, the result of which is multiplied by the percentage by which the customer underperformed during a curtailment occurrence.

Any Customer who fails to reduce load to its Firm Power Level on three or more days within any Curtailment Season may be ineligible for this Rider for a period of two years from the date of the third failure.

CURTAILMENT CANCELLATION:

The Company reserves the right to cancel a scheduled curtailment prior to the start time of such curtailment. However, if cancellation occurs with less than two hours of the notification period remaining prior to commencement of a curtailment occurrence, the canceled curtailment shall be counted as a separate occurrence with a zero-hour duration.

TEST CURTAILMENT:

The Company reserves the right to request a test Curtailment once each year and/or within three months after a failure to effect load reduction to its Firm Power Level or lower with any request for curtailment. Test Curtailments do not count toward the Maximum Number of Curtailment Events. Customers will not be compensated for Test Curtailments.

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	Month Day Year
Effective:	_____
	Month Day Year
By:	<u>Darrin R. Ives, Sr. Director</u>
	Signature Title

KANSAS CITY POWER & LIGHT COMPANY

(Name of Issuing Utility)

Replacing Schedule 76 Sheet 6

Rate Areas No. 2 & 4

(Territory to which schedule is applicable)

which was filed May 27, 2011

No supplement or separate understanding shall modify the tariff as shown hereon.

Sheet 6 of 6 Sheets

**DEMAND RESPONSE INCENTIVE RIDER
Schedule DR**

(Continued)

ADDITIONAL VOLUNTARY EVENTS

At any time while the Customer's contract is in effect, the Company may request a Customer to participate, on a voluntary basis, in additional Curtailment Events. Customers who are asked and who participate in these additional voluntary curtailments will receive Curtailment Occurrence Payments as outlined previously in this Rider, but will not receive additional Program Participation Payments. This provision applies to all Customers whose contracts are still in force, whether or not they have participated in a number of events equal to their chosen Maximum Number of Events.

PROGRAM FUNDING:

The Company will provide for customer compensation, marketing costs, evaluation cost, and Program administrative and delivery costs. This Program and its costs shall be eligible for recovery under the Company's Energy Efficiency Rider, Schedule EE, subject to the provisions thereof.

EVALUATION:

Evaluation, measurement and verification of the Program will be completed consistent with requirements established by the Commission in Docket No. 08-GIMX-442-GIV and Docket No. 10-GIMX-013-GIV.

Issued:	<u>July 18, 2013</u> Month Day Year
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By:	<u>Darrin R. Ives</u> Sr. Director Title

KANSAS CITY POWER & LIGHT COMPANY

(Name of Issuing Utility)

Replacing Schedule 76 Sheet 1

Rate Areas No. 2 & 4

(Territory to which schedule is applicable)

which was filed April 30, 2008 ~~May 27, 2011~~

No supplement or separate understanding shall modify the tariff as shown hereon. Sheet 1 of 6 Sheets

MPOWER DEMAND RESPONSE INCENTIVE RIDER
Schedule MPDR

PURPOSE:

This voluntary rider is intended to help defer future generation capacity additions and provide for improvements in energy supply.

AVAILABILITY:

This Rider is available to any Customer currently receiving or requesting service under any generally available non-residential rate schedule. The Customer must have load curtailment capability of at least 25 kW during the Curtailment Season within designated Curtailment Hours and must agree to establish Firm Power Levels as set forth herein. Availability is further subject to the economic and technical feasibility of the installation of required Company equipment. The Company reserves the right to limit the total Curtailable Load determined under this Rider, and ~~The Company also reserves the right to modify or terminate the Program at any time subject to Commission approval. MPOWER is a replacement for the Peak Load Curtailment Credit (PLCC). References to PLCC found in other tariffs shall be considered references to MPOWER. PLCC contracts existing at the time of approval of this MPOWER Rider will be honored.~~

NEED FOR CURTAILMENT:

Curtailments can be requested for operational or economic reasons. Operational curtailments may occur when physical operating parameters approach becoming a constraint on the generation, transmission, or distribution systems or to maintain the Company's capacity margin requirement. Economic reasons may include any occasion when the marginal cost to produce or procure energy or the opportunity to sell the energy in the wholesale market is greater than the Customer's retail price.

AGGREGATION OF A CUSTOMER'S MULTIPLE ACCOUNTS:

For the purposes of this Rider only, and at the Company's option, a Customer with multiple accounts may request that some or all of its accounts be aggregated with respect to Estimated Peak Demands, Curtailable Loads and Firm Power Levels, so long as each account in the aggregation is able to provide a Curtailable Load of at least 25 kW.

The aggregated account will be treated as a single account for purposes of calculating the Program Participation Payments, Curtailment Occurrence Payments and Penalties.

TERM OF CONTRACT:

Contracts under this Rider shall be for a one-year, three-year, or five-year term. Thereafter, Customers may enter into a new contract for a term of one_year, three_years, or five_years subject to the terms and conditions of this Rider as may be modified from time to time. The Company reserves the right to limit the contract term. Written notice by either the Customer or Company to terminate a contract must be given at least thirty (30) days prior to commencement of the Curtailment Season.

CURTAILMENT SEASON:

—The Curtailment Season shall be June_1 through September_30. The Curtailment Season will exclude Independence Day, Labor Day, or the days celebrated as such.

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By: <u>Mary Britt</u> Turner Darrin D Sr. Director Title	By: _____ Secretary

KANSAS CITY POWER & LIGHT COMPANY

(Name of Issuing Utility)

Replacing Schedule 76 Sheet 2

Rate Areas No. 2 & 4

(Territory to which schedule is applicable)

which was filed April 9, 2007 May 27, 2011

No supplement or separate understanding shall modify the tariff as shown hereon. Sheet 2 of 6 Sheets

MPower Demand Response Incentive Rider
Schedule DR-MP

(Continued)

CURTAILMENT HOURS:

Curtailment will occur during the hours of 12:00 noon through 10:00 pm, Monday through Friday, during the Curtailment Season. The Curtailment Hours associated with a Curtailment Event will be established at the time of the Curtailment Notification.

CURTAILMENT NOTIFICATION:

Customers will receive Curtailment Notification a minimum of four hours prior to the start time of a Curtailment Event.

CURTAILMENT LIMITS:

The Customer shall specify in the contract, the Maximum Number of Curtailment Events for which the Customer agrees to curtail each Curtailment Season. The Maximum Number of Curtailment Events shall not exceed ten (10) separate occurrences per year. Each occurrence shall be no less than two hours and no more than eight hours per day and no more than one occurrence will be required per day. The Company may call a Curtailment Event no more than three consecutive days per calendar week. The cumulative Curtailment Hours per Customer shall not exceed eighty (80) hours in any calendar year.

ESTIMATED PEAK DEMANDS:

The Estimated Peak Demand is the average of the Customer's Monthly Maximum Demand for Monday through Friday between 12:00 noon and 10:00 pm for June through September of the previous year.

The Company may use such other data or methodology as may be appropriate to establish the Estimated Peak Demand or to otherwise measure the Customer's curtailment performance.

ESTIMATED PEAK DEMAND MODIFICATIONS:

The Company may review and, if necessary, adjust the Customer's Estimated Peak Demand based on evidence that the Customer's actual peak demand has changed, or will change, significantly from the Estimated Peak Demand currently being used to calculate Curtailable Load. If a change in the Customer's Estimated Peak Demand results in a change in their Curtailable Load, the Customer shall lose and/or repay their curtailment payments proportional to the number of days curtailment was not available and the change in the Curtailable Load.

FIRM POWER LEVELS:

During the months of June through September, the Customer's Firm Power Level, which is the maximum demand level to be drawn during a Curtailment Event, shall be set at least 25 kW less than the Customer's Estimated Peak Demand.

The Company may use a Test Curtailment to establish the Firm Power Levels for the Customer.

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By: <u>Mary Britt</u> <u>Sr. Director</u> <small>Title</small>	By: _____ <small>Secretary</small>

KANSAS CITY POWER & LIGHT COMPANY

(Name of Issuing Utility)

Replacing Schedule 76 Sheet 3

Rate Areas No. 2 & 4

(Territory to which schedule is applicable)

which was filed April 9, 2007 May 27, 2011

No supplement or separate understanding shall modify the tariff as shown hereon.

Sheet 3 of 6 Sheets

MPower-Demand Response Incentive Rider
Schedule DR-MP

(Continued)

FIRM POWER LEVEL MODIFICATION:

After the Curtailment Season and upon ninety (90) days written notice by the Customer, the Firm Power Level may be modified to reflect significant change in Customer load, subject to verification and approval by the Company. Any adjusted Firm Power Level shall continue to provide for a minimum Curtailable Load of 25 kW. At any time the Company may adjust the Customer's Firm Power Level downward based on evidence that the Customer's actual demand has dropped, or will drop, significantly from the Estimated Peak Demand. Any change in Firm Power Level that decreases Curtailable Load for the Customer shall result in re-evaluation of all curtailment compensation to the Customer including any payment or credits made in advance of the Curtailment Season. The Customer shall repay the Company prior payments/credits made in excess of the curtailment compensation due based upon the decreased level of Curtailable Load.

CURTAILABLE LOAD:

Curtailable Load shall be that portion of a Customer's Estimated Peak Demand that the Customer is willing and able to commit for curtailment and the Company agrees to accept for curtailment. The Curtailable Load shall be the same amount for each month of the contract. Under no circumstances shall the Curtailable Load be less than 25 kW. Curtailable Load is calculated as the difference between the Estimated Peak Demand as determined above, and the Firm Power Level.

Issued: May 27, 2011 July 18, 2013
Month Day Year
Effective: January 4, 2012
Month Day Year
By: Mary Britt
Turner Darrin R. Sr. Director
Title

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THE STATE CORPORATION COMMISSION OF
KANSAS
By: _____
Secretary

KANSAS CITY POWER & LIGHT COMPANY

(Name of Issuing Utility)

Replacing Schedule 76 Sheet 4

Rate Areas No. 2 & 4

(Territory to which schedule is applicable)

which was filed April 9, 2007 May 27, 2011

No supplement or separate understanding shall modify the tariff as shown hereon. Sheet 4 of 6 Sheets

MPOWER DEMAND RESPONSE INCENTIVE RIDER
Schedule DR-MP

(Continued)

CUSTOMER COMPENSATION:

Customer compensation shall be defined within each Customer contract and will be based on contract term, Maximum Number of Curtailment Events and the number of actual curtailment occurrences per season. Timing of all payments/credits shall be specified in the contract with each Customer. Payments shall be paid to the Customer in the form of a check or bill credit as specified in the contract. The credits shall be applied before any applicable taxes. All other billing, operational, and related provisions of other applicable rate schedules shall remain in effect.

Compensation will include:

INITIAL PAYMENT: A Customer, upon agreement with the Company, may receive a one-time payment to purchase specific equipment necessary to participate in the MPOWER Rider. The amount of any Initial Payment will be deducted from the Program Participation Payment on a net present value (NPV) basis calculated by the Company and in no case will the Initial Payment amount exceed the Program Participation Payment amount. The Initial Payment amount will not be greater than a level which would result in an annual Program Participation Payment of less than \$2.50 per kilowatt of Curtailable Load per Curtailment Event.

PROGRAM PARTICIPATION PAYMENT: For each Curtailment Season, Customer shall receive a payment/credit of a minimum of:

- One-year contract: \$2.50 per kilowatt of Curtailable Load multiplied by the Maximum Number of Curtailment Events. Customers enrolling in their third or fourth consecutive one-year contracts will receive \$3.25 per kilowatt of Curtailable Load multiplied by the Maximum Number of Curtailment Events. Customers enrolling in their fifth or greater consecutive one-year contract will receive \$4.50 per kilowatt of Curtailable Load multiplied by the Maximum Number of Curtailment Events.
- Three-year contract: \$3.25 per kilowatt of Curtailable Load multiplied by the Maximum Number of Curtailment Events.
- Five-year contract: \$4.50 per kilowatt of Curtailable Load multiplied by the Maximum Number of Curtailment Events.

The Program Participation Payment will be divided by the number of months in the Curtailment Season and applied as bill credits equally for each month of the Curtailment Season.

CURTAILMENT OCCURRENCE PAYMENT: The Customer will also receive \$0.35 per kW of Curtailable Load for each Curtailment Hour during which the Customer's metered demand is less than or equal to his Firm Power Level during a Curtailment Event.

Payments for Additional Voluntary Events could be an amount other than \$0.35 per kW and will be determined in advance of each Additional Voluntary Event.

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Effective: <u>January 4, 2012</u> <small>Month Day Year</small>	By: _____ <small>Secretary</small>
By: <u>Mary Britt</u> <u>Sr. Director</u> <small>Title</small>	

KANSAS CITY POWER & LIGHT COMPANY

(Name of Issuing Utility)

Replacing Schedule 76 Sheet 5

Rate Areas No. 2 & 4

(Territory to which schedule is applicable)

which was filed April 9, 2007 ~~May 27, 2011~~

No supplement or separate understanding shall modify the tariff as shown hereon. Sheet 5 of 6 Sheets

~~MPOWER DEMAND RESPONSE INCENTIVE RIDER~~
Schedule DR-MP

(Continued)

PENALTIES:

Failure of the Customer to effect load reduction to its Firm Power Level or lower in response to any Company request for curtailment shall result in the following reduction in, or refund of, Program Participation Payments and Curtailment Occurrence Payments for each such failure as outlined below:

Curtailment Occurrence Payment reduction: Customer will forfeit Curtailment Occurrence Payment for every hour during which it fails to effect load reduction to its Firm Power Level or lower.

Program Participation Payment reduction: Customer will receive reduced future Program Participation Payments or a bill debit, in an amount equal to 150% of the Program Participation Payment divided by the Maximum Number of Curtailment Events, the result of which is multiplied by the percentage by which the customer underperformed during a curtailment occurrence.

Any Customer who fails to reduce load to its Firm Power Level on three or more days within any Curtailment Season may be ineligible for this Rider for a period of two years from the date of the third failure.

CURTAILMENT CANCELLATION:

The Company reserves the right to cancel a scheduled curtailment prior to the start time of such curtailment. However, if cancellation occurs with less than two hours of the notification period remaining prior to commencement of a curtailment occurrence, the canceled curtailment shall be counted as a separate occurrence with a zero-hour duration.

TEST CURTAILMENT:

The Company reserves the right to request a test Curtailment once each year and/or within three months after a failure to effect load reduction to its Firm Power Level or lower with any request for curtailment. Test Curtailments do not count toward the Maximum Number of Curtailment Events. Customers will not be compensated for Test Curtailments.

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By: <u>Mary Britt</u> Sr. Director Title	By: _____ Secretary

KANSAS CITY POWER & LIGHT COMPANY

(Name of Issuing Utility)

Replacing Schedule 76 Sheet 6

Rate Areas No. 2 & 4

(Territory to which schedule is applicable)

which was filed April 9, 2007 ~~May 27, 2011~~

No supplement or separate understanding shall modify the tariff as shown hereon. Sheet 6 of 6 Sheets

MPower-Demand Response Incentive Rider
Schedule DR-MP

(Continued)

ADDITIONAL VOLUNTARY EVENTS

At any time while the Customer's contract is in effect, the Company may request a Customer to participate, on a voluntary basis, in additional Curtailment Events. Customers who are asked and who participate in these additional voluntary curtailments will receive Curtailment Occurrence Payments as outlined previously in this Rider, but will not receive additional Program Participation Payments. This provision applies to all Customers whose contracts are still in force, whether or not they have participated in a number of events equal to their chosen Maximum Number of Events.

PROGRAM FUNDING:

The Company will provide for customer compensation, marketing costs, evaluation cost, and Program administrative and delivery costs. This Program and its costs shall be eligible for recovery under the Company's Energy Efficiency Rider, Schedule EE, subject to the provisions thereof.

EVALUATION:

Evaluation, measurement and verification of the Program will be completed consistent with requirements established by the Commission in Docket No. 08-GIMX-442-GIV and Docket No. 10-GIMX-013-GIV.

Issued:	<u>May 27, 2011</u> <u>July 18, 2013</u>
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	Title

<u>FILED</u>
<u>THE STATE CORPORATION COMMISSION OF KANSAS</u>
By: _____
Secretary

ATTACHMENT 5

APPENDIX A INFORMATION

Kansas City Power & Light Company

DEMAND RESPONSE INCENTIVE PROGRAM

The following information regarding KCP&L's Demand Response Incentive program (formerly named the MPower program or Schedule MP) is provided in compliance with Appendix A of the Commission's November 14, 2008 Final Order issued in Docket No. 08-GIMX-441-GIE. This program was originally approved by the Commission in September 2006 in Docket No. 06-KCPE-809-TAR. This program is set forth in KCP&L's proposed tariff Schedule 76, also referred to as Schedule DR, provided with this filing.

1. Program Description

The Demand Response Incentive program is a commercial and industrial customer peak electric load reduction program. KCP&L collaborates with customers to curtail (or reduce) their energy use during times of peak electric demand during the months of June through September. The customer can accomplish the required curtailment by reducing lighting and HVAC load, shutting down equipment, or switching facility load to a generator.

The Demand Response Incentive program provides two forms of payment to participating customers. Participants receive a monthly "participation payment" for signing up for the program and being "on call" to reduce power consumption at KCP&L's request. Participating customers also receive an additional "event payment" for successfully reducing demand each time they are called upon to do so.

2. Program Goal

As of June 2014, the Demand Response Incentive program has 4,442 kW of curtailable load under contract in Kansas (net of free riders). KCP&L expects the following capacity reductions to be available through the Demand Response Incentive Program over the next two years:

	Net Free Curtailable Load (kW)
2014	4,442
2015	300

3. Program Framework/Strategy

A. Relationship to other programs

The Demand Response Incentive program is a demand response program for commercial customers with peak loads greater than 200 kW. It is designed to reduce system load during times of peak demand. It is one of two programs in KCP&L's demand response portfolio with the other being the Programmable Thermostat program (formerly named the Energy Optimizer program) which is designed for residential and small commercial customers with peak loads under 200 kW.

B. Marketing Strategy

The Demand Response Incentive program is currently under a moratorium to new participants due to a decline in demand caused by the economic downturn as well as the start-up of KCP&L's new 1,200 MW power plant in August 2010. As a result, the program is not being actively marketed at this time. Customers who express an interest in participating are added to a waiting list and will be brought into the program when the supply/demand equation indicates it is time to do so. The Company plans to re-evaluate program participation levels each year with any changes brought to the attention of Commission Staff with any necessary budget change approvals sought from the Commission. Marketing efforts will resume when market conditions indicate it is necessary to do so.

C. Program Delivery

The Demand Response Incentive program is managed by an internal KCP&L product manager. Back-office systems and support are handled by a third party vendor, currently Negawatt (formerly named Ziphany).

The product manager is responsible for educating and training account managers, analyzing customer loads and curtailment capabilities, processing contracts, setting customers up in the Demand Response Incentive program database, conducting market analyses, forecasting, developing marketing strategies and materials, processing payments and penalties and conducting annual baseline reviews for each account. The product manager also executes curtailments at the direction of KCP&L's power supply group.

Negawatt, the back-office support vendor, manages the customer database, produces reports, provides event notification services, analyzes event meter data and supplies the product manager with monthly customer credit and penalty tables, which the product manager then reviews and submits to KCP&L's billing and accounting departments for the application of monthly credits and penalties to customer bills.

D. Partners

KCP&L partners with Negawatt for back-office support and meter data management services. It also relies on various meter manufacturers for support in providing necessary data to customers and the company.

4. Program Budget (Five-Year)

Because the Demand Response Incentive program is an established program, KCP&L does not have any start-up costs in the budgeted time period. The expected budget for the Demand Response Incentive program over the five-year period 2014 to 2018 is shown below; however, KCP&L is currently requesting only a two-year extension of this program.

	Program Delivery	Admin	Marketing	Customer Incentive	EM&V	TOTAL
2014	\$20,000	\$5,000	\$0	\$207,900	\$100,000	\$332,900
2015	1,625	500	0	17,280	0	19,405
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
TOTAL	\$21,625	\$5,500	\$0	\$225,180	\$100,000	\$352,305

5. Program Beneficiaries

A. Expected number of participants by customer class or subclass

Historically, about 82 percent of Demand Response Incentive program participants are on a large general service rate and 18 percent are on a medium general service rate. Customers on a small commercial rate are generally unable to meet the program's minimum curtailable load requirement. Customer counts by class in Kansas are expected to be as follows over the next two years based upon existing contracts:

	2014	2015
Small	-	-
Medium	2	-
Large	9	1
Total	11	1

B. Other beneficiaries

Demand response programs such as KCP&L's Demand Response Incentive program are designed to postpone the need for new peaking power plants – plants that provide energy only during peak demand periods. While the direct financial beneficiaries of the Demand Response Incentive program are the

customers who participate in the program, to the extent that construction of new peaking power plants is postponed, all KCP&L customers benefit.

6. Program Benefit-Cost Analysis

All five benefit-cost tests are shown below. The dollar values presented below are on a present value basis with the assumption that all future cash flows start at the beginning of each annual period, discounted at the appropriate rate.

Demand Response Incentive Program	
Test Name	Test Results
Utility Test	0.648
TRC Test	0.648
RIM Test	0.648
RIM (Net Fuel)	0.648
Participant Test	N/A
Societal Test 3% / \$10	0.648
Societal Test 3% / \$25	0.648
Societal Test 3% / \$40	0.648
Societal Test 7% / \$10	0.648
Societal Test 7% / \$25	0.648
Societal Test 7% / \$40	0.648

Assumptions	No kWh energy savings, only kW demand reduction
Utility Discount Rate (%)	** [REDACTED] **
Participant Discount Rate (%)	10.00%
Electric Losses (%)	** [REDACTED] **
Societal Discount Rate1 (%)	3.00%
Societal Discount Rate2 (%)	7.00%

Avoided Costs	
Avoided T&D (\$ / kW)	** [REDACTED] **
Cost-Based Proxy for Avoided Capacity (\$ / kW Annualized)	** [REDACTED] **
CO2 emissions (kG/kWh)	** [REDACTED] **

Market Based Avoided Electric Production Costs	** [REDACTED] **
-------------------------------------------------------	------------------

NPV Program Costs	
Administration Costs	** [REDACTED] **
Implementation / Participation Costs	** [REDACTED] **
Customer Incentives	** [REDACTED] **
Other / Miscellaneous Costs	** [REDACTED] **
Total Program Cost	** [REDACTED] **

Participant Cost	** [REDACTED] **
-------------------------	------------------

Environmental Benefits (no kWh reduction)	@ 3% Discount Rate	@ 7% Discount Rate
\$10 per Ton	** [REDACTED] **	** [REDACTED] **
\$25 per Ton	** [REDACTED] **	** [REDACTED] **
\$40 per Ton	** [REDACTED] **	** [REDACTED] **

7. Program Evaluation, Measurement and Verification Plan

Program evaluation, measurement and verification (EM&V) are key elements of demand-side management (DSM) programs. EM&V is used to document and measure the effects of a program and to determine whether the program met its goal with respect to being a reliable energy resource. EM&V is also used to help understand why certain effects occurred and to identify ways to improve current programs and to select future programs.

KCP&L contracted with Opinion Dynamics Corporation to conduct EM&V of the MPower program after it had been in place for two years. The final evaluation report was completed in May 2009. A copy of this report was included as Confidential Schedule JDJ-7 attached to the Direct Testimony of KCP&L witness Jason Jones in Docket No. 11-KCPE-780-TAR.

The two types of evaluation utilized are:

Process evaluation: Process evaluation assesses program delivery, from design to implementation, in order to identify bottlenecks, efficiencies, what did and did not work, constraints and potential improvements.

Evaluation plans are developed by the evaluation contractor(s) and describe all necessary data collection, process evaluation tasks and impact evaluation tasks by program. Evaluation Plans include the following information:

- study methodology by program;
- data collection strategies;

- data requests by program; and
- detailed work plan and schedule.

Impact evaluation: Impact evaluation determines the impacts (energy and demand savings) and co-benefits (avoided emissions, energy security, transmission/distribution benefits) that directly result from a program. Impact evaluations also support cost-effectiveness analyses aimed at identifying relative program costs and benefits.

The Monitoring and Verification (M&V) process acts as a quality control and quality assurance process for the savings, tracking and accounting for the program.

Monitoring: This is the monitoring of installations when needed to determine or verify savings from a measure that is applied in a unique way, is significant in savings, or is new to the market. Working with the evaluation contractor, guidelines are developed to determine which projects should be monitored.

Verification: During the processing of an application for customer incentives (rebates), KCP&L reviews the equipment specifications by model number to determine if that measure qualifies. This "paper" verification occurs on all applications. Additionally, there are random field visits to assure the correct number and types of measures were installed at the customer's facility.

Historically, KCP&L retained one or more EM&V contractors to perform process and impact evaluations for its programs in order to avoid conflicts of interest and to insure credibility of the evaluation results. EM&V was conducted by the implementation team with advice of the EM&V contractor.

Going forward, EM&V of the Demand Response Incentive program will be completed consistent with requirements established by the Commission in Docket No. 08-GIMX-442-GIV and Docket No. 10-GIMX-013-GIV (the "013 Docket"). As shown in the five-year budget included in this Appendix A information, KCP&L expects that EM&V evaluation will be conducted on the Demand Response Incentive program in 2014 (to evaluate the program through the end of 2013); however, given the Commission's Order in the 013 Docket, Staff and the Commission will ultimately determine the timing and cost of such EM&V evaluations.

8. Program Specific Tariff Schedule

Please see the tariff attached as KCP&L's Demand Response Incentive Program, Schedule 76, also referred to as Schedule DR.