

# **Status Report**

**File No. AO-2011-0035**

**May 7, 2013**

**\*\*Denotes Highly Confidential Information\*\***

**PR**

## **Ameren Missouri – Electric**

**Prepared by:** John Rogers and Hojong Kang

**Collaborative Name and Description:** Ameren Missouri Demand-Side Management (DSM) Quarterly Stakeholder Group was ordered and approved in stipulation and agreements concerning Ameren Missouri's Chapter 22 Electric Utility Resource Planning filings in File Nos. EO-2006-0240 and EO-2007-0409. Recently, Ameren Missouri agreed to continue quarterly DSM stakeholder meetings as described in paragraph 14 of the Commission-approved Stipulation and Agreement in File No. EO-2012-0142. Ameren Missouri now identifies its stakeholder collaborative as the Energy Efficiency Regulatory Stakeholder Advisory Team.

**Meetings:** Normally held quarterly at Ameren Missouri's offices for 4 – 5 hours

**Participants:**

- Regular: Ameren Missouri, Staff, Office of the Public Counsel (OPC), Missouri Department of Natural Resources (MDNR), Natural Resource Defense Council (NRDC), Sierra Club, Earth Island Institute d/b/a Renew Missouri, Missouri Industrial Energy Consumers (MIEC), Barnes-Jewish Hospital, and Laclede Gas Company.<sup>1</sup>
- Occasional: Community Action Agencies
- Consultants: Lockheed Martin, Honeywell Utility Solutions, EnerNoc, Inc., The Battle Group, Washington University, Cadmus Group, ADM Associates
- Commission Evaluation, Measurement and Verification (EMV) Auditor: Johnson Consulting Group

**Programs Summaries:** See Attachment A.

**Effectiveness of Participants:** Ameren Missouri encourages participation and critical feedback. All participants freely express their points of view and provide advice. The meetings are efficient and effective overall. Ameren Missouri's consultants participate in many Energy Efficiency Regulatory Stakeholder Advisory Team meetings. Effective participation by all stakeholders is critical during planning, implementation, and EMV activities for the initial 3-year program plan for the Company's Commission-approved MEEIA programs (PY5 in 2013, PY6 in 2014 and PY7 in 2015).

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<sup>1</sup> All regular participants except Laclede Gas Company are signatories to the Commission-approved Stipulation and Agreement in File No. EO-2012-0142. However, in the Stipulation and Agreement, the signatories agreed that Laclede Gas Company may also participate as a stakeholder in the stakeholder group notwithstanding that it is not a signatory.

## Success Stories:

- On January 20, 2012, Ameren Missouri filed its *Application to Implement Regulatory Changes in Furtherance of Energy Efficiency as Allowed by the Missouri Energy Efficiency Investment Act of 2009* (“MEEIA”), Case No. EO-2012-0142. Implementation of eleven (11) MEEIA programs for initial 3-year program plan began January 2, 2013, as a result of Commission’s *Report and Order* in Case No. ER-2012-0166.
- Ameren Missouri initiated its second DSM Market Potential Study to be performed by EnerNoc, Inc. with a scheduled completion in the fourth quarter of 2013. The results of the second DSM Market Potential Study will be used to analyze demand-side resources in Ameren Missouri’s next Chapter 22 triennial compliance filing, File No. EE-2013-0312, scheduled to be filed on October 1, 2014.
- Consistently high level of stakeholder participation.

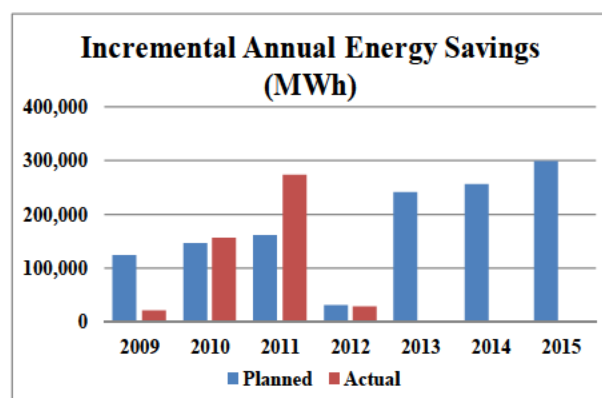
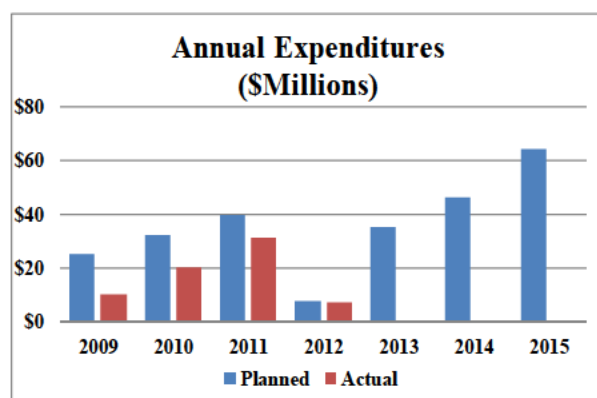
## Challenges:

Due to the “throughput disincentive,” Ameren Missouri discontinued its DSM programs during the entire fourth quarter of 2011, offered “bridge programs” during January – September 2012, and then discontinued its DSM programs again during the entire fourth quarter of 2012.<sup>2</sup>

## Summary Comments:

Through September 30, 2012, the “bridge” Business Energy Efficiency Program expended \$1.241 million and the “bridge” Residential Energy Efficiency Program expended \$3.832 million. Additional expenditures through September 30, 2012, include: \$926,000 for education, information programs, and evaluation, measurement and verification, \$981,000 for Ameren Missouri portfolio administration. More detailed information is in Attachment A.

Ameren Missouri also provided \$1.09 million to MDNR for the Missouri Low-Income Weatherization Program for 277 qualified homes during 2012.



<sup>2</sup> The through-put disincentive for Ameren Missouri’s eleven (11) MEEIA programs is described in Section 2.2 of the Company’s *2013 – 2015 Energy Efficiency Plan* filed on January 20, 2011 in File No. EO-2012-0142 and is offset by the Ameren Missouri TD-NSB Share utility incentive mechanism described in Section 2.4.

## **Kansas City Power & Light Company**

**Prepared by:** John Rogers and Hojong Kang

**Collaborative Name and Description:** KCPL Customer Programs Advisory Group (CPAG) was ordered and approved in stipulation and agreement for KCPL Experimental Regulatory Plan in File No. EO-2005-0329. With the Commission's Report and Order in File No. ER-2010-0355, the KCPL Experimental Regulatory Plan's CPAG requirement ended, and KCPL decided the CPAG name would no longer be used. It is now referred to as the DSM Advisory Group.

**Meetings:** KCPL and KCP&L Greater Missouri Operations Company (GMO) DSM Advisory Groups normally conduct quarterly joint meetings via teleconference with occasional in-person meetings in Jefferson City.

**Participants:**

- Regular: KCPL, Staff, OPC, MDNR, NRDC, Sierra Club, Earth Island Institute d/b/a Renew Missouri, MIEC, Wal-Mart Stores East, L.P., and Sam's East.<sup>3</sup>
- Occasional: Praxair, Inc., City of Kansas City, the Empire District Electric Company
- Consultants: Navigant
- Commission EMV Auditor: Johnson Consulting Group

**Program Summaries:** See Attachment B.

**Effectiveness of Participants:** KCPL encourages participation and critical feedback. All participants freely express their points of view and provide advice. The KCPL DSM Advisory Group meetings are efficient and effective overall.

**Success Stories:**

- Customer interest in KCPL's DSM programs has increased since 2005, and KCPL achieved the demand-side management goals established in its Experimental Regulatory Plan in File No. EO-2005-0329.
- KCPL/GMO contracted with Navigant to perform a DSM Market Potential Study. Stakeholder input was received during the planning, review and editing phases of the study, which is expected to be final in May 2013. The results of the DSM Market Potential Study will be used to analyze demand-side resources in KCPL's next Chapter 22 annual update filing, File No. EE-2013-0388, scheduled to be filed on July 1, 2013.

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<sup>3</sup> Signatories to the Commission-approved *Non-Unanimous Stipulation and Agreement Resolving KCP&L Greater Missouri Operations Company's MEEIA Filing*, File No. EO-2012-0009.

**Challenges:**

KCPL made its initial MEEIA filing on December 22, 2011 in File No. EO-2012-0008, but then filed a notice of dismissal on February 17, 2012, and the Commission closed the case on March 6 2012.

**Summary Comments:**

During 2012, KCPL's total DSM expenditures were \*\*\_\_\_\_\_\*\*. More detailed information is in Attachment B.

## **KCP&L Greater Missouri Operations Company**

**Prepared by:** John Rogers and Hojong Kang

**Collaborative Name and Description:** GMO DSM Advisory Group was originally formed to provide suggestions and advice to the Company on DSM programs selection and other issues with a funding goal of one percent of annual revenues to implement cost-effective energy efficiency programs by 2010 as ordered and approved in stipulation and agreements in File Nos. ER-2007-0004 and EO-2007-0298.

**Meetings:** GMO and KCPL DSM Advisory Groups normally conduct quarterly joint meetings via teleconference with occasional in-person meetings in Jefferson City. The current stakeholder meetings' process is described in paragraph 13 of the Commission-approved *Non-Unanimous Stipulation and Agreement Resolving KCP&L Greater Missouri Operations Company's MEEIA Filing*, File No. EO-2012-0009.

### **Participants:**

- Regular: GMO, Staff, OPC, MDNR, NRDC, Sierra Club, Earth Island Institute d/b/a Renew Missouri, MIEC, Wal-Mart Stores East, L.P., and Sam's East.<sup>4</sup>
- Occasional: Praxair, Inc., and Empire Electric District
- Consultants: Navigant
- Commission EMV Auditor: Johnson Consulting Group

**Programs Summaries:** See Attachment C. GMO's DSM programs are substantially the same as KCPL's DSM programs with the exception of the KCPL's Online Energy Information for Businesses.

**Effectiveness of Participants:** GMO encourages participation and critical feedback. All participants freely express their points of view and provide advice. The meetings are efficient and effective overall.

### **Success Stories:**

- GMO made its initial MEEIA filing on December 22, 2011, in File No. EO-2012-0009 and received Commission approval to implement thirteen (13) MEEIA DSM programs with tariff sheets having an effective date of January 26, 2013.
- KCPL/GMO contracted with Navigant to perform a DSM Market Potential Study. Stakeholder input was received during the planning, review and editing phases of the study, which is expected to be final in May 2013. The results of the DSM Market Potential Study will be used to analyze demand-side resources in GMO's next Chapter 22 annual update filing, File No. EE-2013-0389, scheduled to be filed on July 1, 2013.

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<sup>4</sup> Signatories to the Commission-approved Non-Unanimous Stipulation and Agreement Resolving KCP&L Greater Missouri Operations Company's MEEIA Filing, File No. EO-2012-0009.

- Having combined meetings of the KCPL and GMO DSM Advisory Groups has proven to be a very efficient and effective way for stakeholders to provide advice on KCPL and on GMO demand-side programs.

**Summary Comments:**

During 2012, the total GMO's DSM expenditures were \*\* \_\_\_\_\_ \*\*. More detailed information is in Attachment C.

## **The Empire District Electric Company**

**Prepared by:** John Rogers and Hojong Kang

**Collaborative Name and Description:** DSM Advisory Group was ordered and approved as part of the Global Agreement in File No. ER-2011-0004 and replaces the former Customer Programs Collaborative.

**Meetings:** DSM Advisory Group meetings are normally held quarterly via teleconference.

**Participants:**

- Regular: Empire, Staff, OPC, MDNR, and Dogwood Energy, L.L.C.
- Occasional: Praxair and Missouri Joint Municipal Electric Utility Commission
- Consultants: Applied Energy Group
- Commission EMV Auditor: Johnson Consulting Group

**Programs Summaries:** See Attachment D.

**Effectiveness of Participants:** Empire encourages participation and critical feedback from DSM Advisory Group members. All participants freely express their points of view and provide advice. The meetings are efficient and effective overall.

**Success Stories:**

- All programs in Empire's adopted preferred resource plan have been implemented per the implementation plan. DSM Advisory Group has functioned well and has made timely changes to program designs as a result of lessons learned and EMV reports.
- Empire contracted with Applied Energy Group to perform a DSM Market Potential Study. Stakeholder input was received during the planning, review and editing phases of the study, which is expected to be final in May 2013. The results of the DSM Market Potential Study will be used to analyze demand-side resources in Empire's next Chapter 22 triennial compliance filing, File No. EO-2013-0405, scheduled to be filed on July 1, 2013.

**Challenges:**

As a result of the Commission-approved stipulation and agreement in File No. EO-2011-0066, Empire made its initial MEEIA application filing on February 28, 2012 in File No. EO-2012-0206. However, Empire withdrew its MEEIA applications on July 5, 2012.

**Summary Comments:**

Empire spent a total of \$1,071,763 for demand-side programs during 2012. More detailed information is in Attachment D.



## Status Report on EE Advisory Groups & Collaboratives

## Overview of Natural Gas Advisory Groups and Collaboratives:

Since the previous status report on natural gas energy efficiency in January 2012 (File No. AO-2011-0035), natural gas energy efficiency activity has continued to increase both in funding and the scope of programs. Most jurisdictional natural gas companies have made progress toward the goal of annually expending an amount equivalent to 0.5% of annual gross revenues on energy efficiency. In 2009 – 2011 time period, each of the jurisdictional natural gas companies concluded a general rate case. In each of these general rate cases, the *energy efficiency expenditures goal of 0.5% of revenues* was set forth in the Commission’s *Report and Order* establishing rates.

A general concern expressed across several collaborative and advisory groups is that some products are not currently cost effective due to historically low natural gas prices and may not be cost effective in the future due to changes in the federal energy conservation standards. However, the collaborative and advisory groups continue to develop strong energy efficiency programs that adapt to these changes.

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MGE has been very successful at coordinating its energy efficiency programs with their respective electric companies. MGE coordinates with Kansas City Power and Light and KCP&L Greater Missouri Operations with the Home Performance with Energy Star<sup>®</sup> program, which allows customers to receive rebates from both electric and natural gas service providers for energy efficiency improvements. Additionally, MGE initiated two pilot programs in Joplin, Missouri, the “Rebuild Joplin: Experimental Pilot Program for Residential and SGS Natural Gas Energy Efficiency Incentives” program and the “Rebuild Joplin: Energy Star<sup>®</sup> New Homes Experimental Pilot Program,” which are designed to assist tornado victims, encourage rebuilding efforts, and promote energy efficiency. These pilot programs are coordinated with Empire Electric. \*\*

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Overall, Staff has a positive outlook on the development of natural gas energy efficiency programs in Missouri. Although there are still issues that are points of contention, usually the sides can come to terms of agreement and advance towards the Commission’s target of energy efficiency expenditures at 0.5% of revenues.

## **Status Report on EE Advisory Groups & Collaboratives**

**Prepared by:** Henry Warren and Mike Stahlman

**Gas Utility:** Ameren Missouri

**Name:** The Energy Efficiency Advisory Group

**Participants:**

- Regular: Ameren Missouri, Staff, OPC, MDNR

**Program Changes:** The Energy Efficiency programs for 2012 are the same as 2011, with a minor change in tariff language in February 2012 due to a change in Energy Star<sup>®</sup> criteria. The 2012 energy efficiency program tariffs expired on December 31, 2012. Ameren Missouri developed new energy efficiency programs for 2013, which the Commission approved in File No. GT-2013-0108. These new tariff sheets include a small landlord pilot program.

**Evaluations:** ADM provided an initial final report on August 8, 2012. Staff and other parties have significant issues with the evaluation, and would note in particular the following:

- ADM's initial final report is not consistent with the Scope of Work which directed ADM to include participants for 2010, which ADM had agreed to include at an additional cost of \$35,000. This limited the analysis of temperature sensitive measures to only a portion of an unseasonably warm heating season.
- ADM's initial final report is not consistent with the S&A which states that "Post-implementation evaluations of all programs or measures shall include usage data for program participants." Instead, the evaluation only used participant usage data for three measures and used engineering analysis for the rest.

Additionally, ADM did not properly calculate the cost effectiveness tests which led to contradictory statements in the final report, the analysis lowered the heating degree days from a standard base 65 degrees Fahrenheit to base 56 degrees Fahrenheit which would also reduce a participant's sensitivity to weather, and that the regression in the initial final report potentially had technical problems in its statistical analysis. A final document incorporating advisory group comments is still pending.

**Relevant Cases:** JG-2012-0316, GT-2013-0108 (JG-2013-0241)

**2011 Program Expenditures:** \$525,434 from February 20, 2011 – December 31, 2011 out of a budget of \$700,000 per the Stipulation and Agreement in Case No. GR-2010-0363 with \$263,000 forwarded to the EIARA for low-income weatherization.

**2012 Program Expenditures:** Budget of \$700,000 per the Stipulation and Agreement in Case No. GR-2010-0363 with \$263,000 forwarded to the EIERA for low-income weatherization. The 2012 program has had \$501,676 in expenditures and \$94,291 in unpaid reservations as of September 30, 2012. Program Year is January 1, 2012 – December 31, 2012.

## **Status Report on EE Advisory Groups & Collaboratives**

**Prepared by:** Henry Warren and Mike Stahlman

**Gas Utility:** Atmos Energy Corporation sold its Missouri operations to Liberty Energy (Midstates) Corp. in Case No. GM-2012-0037.

**Name:** Energy Efficiency Advisory Group

**Participants:**

- Regular: Atmos, Liberty, Staff, OPC, MDNR

**Program Changes:** On March 24, 2012, Atmos Energy Corporation sold its Missouri operations to Liberty Energy (Midstates) Corp. d/b/a Liberty Utilities. In accordance with the terms of said Stipulation and Order, Liberty Utilities filed its Original Adoption Notice on July 2, 2012, effective August 1, 2012, adopting all tariffs filed with the Commission by Atmos Energy Corporation. The Commission's "Order Recognizing Name Change and Approving Tariff Sheets" was issued July 23, 2012, effective August 1, 2012.

Thereafter, Liberty Utilities filed additional tariff sheets on August 3, 2012, which included a revision to Tariff Sheet No. 117 reflecting the name change for the Company's website. The Commission's "Order Approving Tariff In Compliance With Commission Order" was issued August 28, 2012, effective September 2, 2012.

**Evaluations:** None

**Relevant Cases:** GN-2013-0001, GM-2012-0037, JG-2013-0069

**2011 Program Expenditures:** Program Year September 1, 2011 – August 31, 2012; total expenditures for program year were \$229,464 out of a \$260,000 budget.

**2012 Program Expenditures:** Program Year September 1, 2012 – August 31, 2013; budget of \$288,787 (0.5% of gross operating revenues).

## **Status Report on EE Advisory Groups & Collaboratives**

**Prepared by:** Henry Warren and Mike Stahlman

**Gas Utility:** Empire District Gas

**Name:** The Demand Side Management and Energy Efficiency Advisory Group

**Participants:**

- Regular: Empire, Staff, OPC, and DNR

**Program Changes:** The advisory group continues to examine the growth of the current program and has been discussing changes to improve program participation to move closer to the goal of 0.5% of annual operating revenues established in GR-2009-0434.

**Evaluations:** None

**Relevant Cases:** None

**2012 Program Expenditures:** Program Year April 1, 2011 – March 31, 2012; \$150,810 of a budget of \$231,228.

**2013 Program Expenditures:** Program Year April 1, 2012 – March 31, 2013; budget of \$242,430, with \$51,014 spent in the first two quarters (April - September).

## **Status Report on EE Advisory Groups & Collaborative**

**Prepared by:** Henry Warren and Mike Stahlman

**Natural Gas Utility:** Laclede Gas Company

**Name and Description:** The Energy Efficiency Collaborative (EEC)

**Participants:**

- Regular: Laclede, Staff, OPC, MDNR

**Program Changes:** The collaborative worked together to develop a new pilot program, Residential Personal Energy Report and Online Audit. This pilot program is intended to educate residential customers, through a mailed customized report and an online component, on how they are using natural gas in their homes and encourage conservation and the pursuit of energy efficiency measures. Additionally, the collaborative added gas infrared heaters as a measure in the C/I Prescriptive rebate program and modified the residential program language to allow customers to apply for rebates through participating plumbing contractors.

**Evaluations:** In January 2012, ADM Associates submitted to the Collaborative its final evaluation report on the process and impact of the first two years of the residential and the commercial and industrial rebate programs. The EEC is using the results of these evaluations along with other resources to assess the strategic direction of Laclede's conservation and energy efficiency programs.

**Relevant Cases:** JG-2012-0827

**2012 Program Expenditures:** Program Year August 1, 2011 – July 31, 2012; \$2,111,506 of a budget of \$3,664,630.

**2013 Program Expenditures:** Program Year August 1, 2012 – July 31, 2013; budget of \$4,529,260.

## **Status Report on EE Advisory Groups & Collaborative**

**Prepared by:** Henry Warren and Mike Stahlman

**Gas Utility:** Missouri Gas Energy

**Name:** The Energy Efficiency Collaborative

**Participants:**

- Regular: MGE, Staff, OPC, MDNR

**Program Changes:** There have been only three tariff changes since the last status report. Two changes were unanimously approved by the collaborative; the addition of tiers to the rebates offered for residential and small general service natural gas water heaters and furnaces, and the inclusion of gas infrared heaters in the rebates available to the small general service class. By adding tiers to the appliance rebates, the company is able to provide higher rebates for more energy efficient appliances. The third change, which was not unanimous, was to initiate two pilot programs in Joplin, Missouri, the “Rebuild Joplin: Experimental Pilot Program for Residential and SGS Natural Gas Energy Efficiency Incentives” program and the “Rebuild Joplin: Energy Star® New Homes Experimental Pilot Program,” which are designed to assist tornado victims, encourage rebuilding efforts, and promote energy efficiency. MGE has extended these programs, which took effect by operation of law on January 1, 2013.

**Evaluations:** In October 2012, Nexant submitted to the Collaborative its final evaluation report on the energy efficiency programs on a post-implementation basis and design of an energy efficiency program for small general service customers.

**Relevant Cases:** JG-2013-0083, GT-2012-0170 (JG-2012-0211), JG-2012-0212, JG-2013-0247, GT-2012-0170 (YG-2013-0255), GT-2013-0330 (YG-2013-0255)

**2011 Expenditures:** Program Year was the Calendar Year; \$750,000 was spent on low-income weatherization and \$2,483,244 on non-low-income programs.

**2012 Program Expenditures:** Program Year is the Calendar Year, \$750,000 for low-income weatherization and \$1,782,363 spent as of September 30, 2012. The budget for 2013 is \$2,606,865.



## **Status Report on EE Advisory Groups & Collaborative**

**Prepared by:** Henry Warren and Mike Stahlman

**Gas Utility:** Southern Missouri Natural Gas

**Name and Description:** Although there is no collaborative or advisory group, as a result of the small company rate case GR-2010-0347, SMNG was allowed a variance to 4 CSR 240-14, the Utility Promotional Practices rule, to provide rebates to current and new residential and commercial customers who purchase and install new, more energy efficient natural gas water heaters and Energy Star® Qualified Furnaces to replace existing less efficient equipment. Related filing is JG-2011-0253 (GR-2010-0347).

**Participants:** N/A

**Program Changes:** None.

**Evaluations:** None pending. On October 1, of every year that the Program is in effect, the Company will provide the Commission Staff and the Office of the Public Counsel with detailed information to evaluate the success of the Program.

**Pending Cases:** GM-2011-0354

**2011 Expenditures:** The Company anticipates 200-300 participants annually, so the estimated cost of the Program would be \$20,000-\$40,000 annually.

**2012 Program:** The Company anticipates 200-300 participants annually for an estimated program year expenditure of \$20,000-\$40,000.

### Ameren Missouri Electric Programs Summaries for 2012:

<b>Program</b>	<b>Description</b>	<b>Term</b>	<b>Total Program Costs</b>	<b>Comments</b>
C&I Standard Incentive	Fixed incentives for eligible measures; HVAC, lighting, and refrigeration. Combined total incentives for both Standard and Custom Programs of \$15,000 per site.	12/18/2011 - 9/30/2012	\$7,000	Based on the EM&V, 414,708 kWh of net savings
C&I Custom Incentive	One-time payment of \$0.05 per calculated kWh saved, capped at 50% of overall measures costs. Combined total incentives for both Standard and Custom Programs of \$15,000 per site.	12/18/2011 - 9/30/2012	\$1,234,000	Based on the EM&V, 12,838,001 kWh of net savings
Residential Lighting	Market transformation through mark-downs and instant rebate coupons.	11/24/2011 – 9/30/2012	\$1,437,000	Based on the EM&V, 9,912 MWh of net savings
Multi-Family Low Income Qualified	Incentives for measures in low-income rental units	11/24/2011 – 9/30/2012	\$1,994,000	Based on the EM&V, 2,563 MWh of net savings
Refrigerator Recycling	\$35 incentive to retire pre-2002 units with free pick-up, recycling/disposal	11/24/2011 – 9/30/2012	\$402,000	Based on the EM&V, 2,105 MWh of net savings

### KCPL Programs Summaries for 2012:

<b>Program</b>	<b>Description</b>	<b>Tariff Approval</b>	<b>Program to Date</b>
Energy Optimizer	Company controlled cycling of participants' AC units to limit overall system peak load	10/14/2005	HC in its Entirety
Low-Income Weatherization	Supplement CAP funds for additional weatherization measures	12/1/2005	HC in its Entirety
Online Energy Information (OEI) (Residential)	Online audits and incentives to save energy	12/21/2005	HC in its Entirety
Online Energy Information (OEIC) (Business)	Energy audits, savings estimates and benchmarks with like businesses	2/12/2006	HC in its Entirety
Energy Audit & Energy Saving Measures	Rebates for building shell and equipment upgrades and improvements for commercial customers	7/10/2006	HC in its Entirety
Building Operator Certification	Building operator certification through the Northwest Energy Efficiency Council's	2/2/2007	HC in its Entirety
Low-Income Affordable New Homes	Incentives to builders to install Energy Star measures	2/12/2007	HC in its Entirety
Cool Homes	Re-commissioning or early replacement of central AC units	3/30/2007	HC in its Entirety
Home Performance with Energy Star	Enhanced whole-house energy audits and promotion of Energy Star products	1/23/2008	HC in its Entirety
Energy Star New Homes	Offer builders \$800 rebate for at least 15% upgrade above standard efficiency levels for shell and equipment	4/6/2008	HC in its Entirety
MPower	Voluntary rider pays incentives/credits to qualifying non-residential customers to reduce peak demand	3/8/2006	HC in its Entirety

### GMO Programs Summaries for 2012:

<b>Program</b>	<b>Description</b>	<b>Tariff Approval</b>	<b>Program to Date</b>
Low-Income Affordable New Homes	Incentives to builders to install Energy Star measures	3/12/2008	HC in its Entirety
Low-Income Weatherization	Supplement CAP funds for additional weatherization measures	3/12/2008	HC in its Entirety
Energy Star New Homes	Offer builders \$800 rebate for at least 15% upgrade above standard efficiency levels for shell and equipment	3/12/2008	HC in its Entirety
Building Operator Certification	Building operator certification through the Northwest Energy Efficiency Council's curriculum	3/12/2008	HC in its Entirety
Energy Optimizer	Company controlled cycling of participants' AC units to limit overall system peak load	10/11/2008	HC in its Entirety
Cool Homes	Re-commissioning or early replacement of central AC units	10/11/2008	HC in its Entirety
Home Energy Analyzer	Online audits and incentives to save energy	10/11/2008	HC in its Entirety
Home Performance with Energy Star	Enhanced whole-house energy audits and promotion of Energy Star	4/30/2008	HC in its Entirety
Energy Audit & Energy Saving Measures	Rebates for EE upgrades in building shell, new construction or replacement of inefficient equipment for commercial customers	4/30/2008	HC in its Entirety
MPOWER	Voluntary rider pay incentives/credits to qualifying non –residential customers to reduce peak demand	10/11/2008	HC in its Entirety

### Empire Programs Summaries for 2012:

<b>Program</b>	<b>Description</b>	<b>Term</b>	<b>Budget</b>	<b>Comments:</b>
Low-Income Weatherization	Weatherize 125 low-income homes annually	9/5/2006 – 12/31/2013	\$226,430 for program year 2012	\$176,159 and 195 participants (266 MWh) through 12/31/2012
Low-Income New Homes	Incentives to upgrade efficiency of 10 homes annually	4/4/2007 – 12/31/2013	\$10,500 for program year 2012	No participant through 12/31/2012
High Efficiency Residential Central Air Conditioning	Rebates to 780 participants who purchase, install or replace AC units or heat pumps in program year 4	6/4/2007 – 12/31/2013	\$382,000 for program year 2012	\$159,100 and 380 participants (482 MWh) through 12/31/2012
Building Operator Certification	Certify 20 building operators annually	2/21/2008 – 12/31/2013	\$34,500 for program year 2012	\$22,675 and 9 participants through 12/31/2012
Energy Star New Homes	Incentives of up to \$400 to home energy raters (HERs) or up to \$800 TO builders	4/20/2009 – 12/31/2013	\$338,800 in program year 2012	\$241,800 and 212 participants (553 MWh) through 12/31/2012
Home Performance with Energy Star	Rebates for home energy audits and energy efficiency measures	8/28/2009 – 12/31/2013	\$95,500 for program year 2012	\$62,000 and 155 participants (186 MWh) through 12/31/2012
C&I Facility Rebate	Rebates for energy efficiency measures	5/7/2007 – 12/31/2013	\$ 414,000for program year 2012	\$410,029 and 91 participants (4,085 MWh) through 12/31/2012

**BEFORE THE PUBLIC SERVICE COMMISSION**  
**OF THE STATE OF MISSOURI**

In the Matter of the Chairman's )  
Request for A Status Report )  
Regarding Energy Efficiency )  
Advisory Groups and )  
Collaboratives )

File No. AO-2011-0035

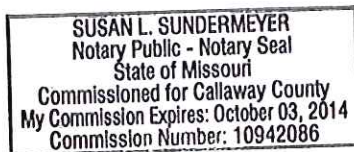
**AFFIDAVIT OF HOJONG KANG**

STATE OF MISSOURI     )  
                                  ) ss  
COUNTY OF COLE     )

Hojong Kang, of lawful age, on oath states: that he participated in the preparation of the foregoing Status Report in memorandum form, to be presented in the above case; that the information in the Status Report was provided to him; that he has knowledge of the matters set forth in such Status Report; and that such matters are true to the best of his knowledge and belief.

  
\_\_\_\_\_  
Hojong Kang

Subscribed and sworn to before me this 9<sup>th</sup> day of May, 2013.



  
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Notary Public

**BEFORE THE PUBLIC SERVICE COMMISSION**  
**OF THE STATE OF MISSOURI**

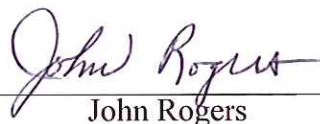
In the Matter of the Chairman's       )  
Request for A Status Report       )  
Regarding Energy Efficiency       )  
Advisory Groups and       )  
Collaboratives       )

File No. AO-2011-0035

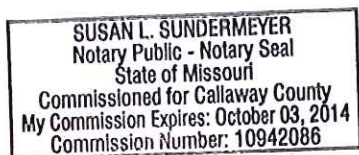
**AFFIDAVIT OF JOHN ROGERS**

STATE OF MISSOURI       )  
  ) ss  
COUNTY OF COLE       )

John Rogers, of lawful age, on oath states: that he participated in the preparation of the foregoing Status Report in memorandum form, to be presented in the above case; that the information in the Status Report was provided to him; that he has knowledge of the matters set forth in such Status Report; and that such matters are true to the best of his knowledge and belief.

  
\_\_\_\_\_  
John Rogers

Subscribed and sworn to before me this 9th day of May, 2013.



  
\_\_\_\_\_  
Notary Public

**BEFORE THE PUBLIC SERVICE COMMISSION  
OF THE STATE OF MISSOURI**

In the Matter of the Chairman's                     )  
Request for A Status Report                     )  
Regarding Energy Efficiency                     )  
Advisory Groups and                     )  
Collaboratives                     )

File No. AO-2011-0035

**AFFIDAVIT OF MICHAEL STAHLMAN**

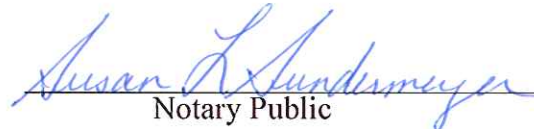
STATE OF MISSOURI             )  
  ) ss  
COUNTY OF COLE             )

Michael Stahlman, of lawful age, on oath states: that he participated in the preparation of the foregoing Status Report in memorandum form, to be presented in the above case; that the information in the Status Report was provided to him; that he has knowledge of the matters set forth in such Status Report; and that such matters are true to the best of his knowledge and belief.



Michael Stahlman

Subscribed and sworn to before me this 9<sup>th</sup> day of May, 2013.



Notary Public



**BEFORE THE PUBLIC SERVICE COMMISSION  
OF THE STATE OF MISSOURI**

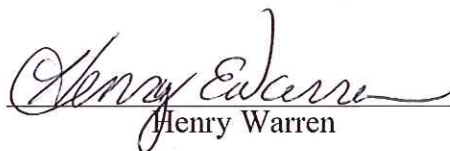
In the Matter of the Chairman's )  
Request for A Status Report )  
Regarding Energy Efficiency )  
Advisory Groups and )  
Collaboratives )

File No. AO-2011-0035

**AFFIDAVIT OF HENRY WARREN**

STATE OF MISSOURI     )  
                                  ) ss  
COUNTY OF COLE     )

Henry Warren, of lawful age, on oath states: that he participated in the preparation of the foregoing Status Report in memorandum form, to be presented in the above case; that the information in the Status Report was provided to him; that he has knowledge of the matters set forth in such Status Report; and that such matters are true to the best of his knowledge and belief.

  
Henry Warren

Subscribed and sworn to before me this 9th day of May, 2013.



  
Notary Public