

Status Report

AO-2011-0035

July 10, 2014

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

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Ameren Missouri – Electric

Prepared by: John Rogers and Hojong Kang

Date: July 10, 2014

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. 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 State Division of Energy (MO-DE), 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.¹
- 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 (EM&V) 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 EM&V activities for the initial 3-year program plan for the Company's Commission-approved Missouri Energy Efficiency Investment Act of 2009 (MEEIA) programs (PY5 in 2013, PY6 in 2014 and PY7 in 2015).

¹ 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 August 1, 2012, the Commission approved a unanimous stipulation and agreement in File No. EO-2012-0142 approving eleven MEEIA programs for implementation beginning January 2, 2013, and a demand-side programs investment mechanism (DSIM) which allowed \$80 million annual revenue requirement in Ameren Missouri's then current general rate case (Case No. ER-2012-0166) for recovery of demand-side programs' costs and recovery of estimated lost margin revenues and which will allow the Company to earn a future performance incentive award based on after-the-fact verified energy savings from the programs.
- On January 27, 2014, Ameren Missouri's Rider EEIC became effective and replaced the DSIM tracker which had been effective since January 2, 2013.
- EnerNoc issued its Demand-side Management Market Potential Study in December 2013, for use in Ameren Missouri's October 1, 2014 Chapter 22 triennial compliance filing.
- During spring 2014, Ameren Missouri implemented its AEG Vision tracking system.

Challenges:

- The optimum planning and implementation process for demand-side resources includes (with approximate duration periods): 1) conducting a DSM market potential study (1 year); 2) conducting Chapter 22 Electric Utility Resource Planning (1 year); 3) preparing, filing and receiving approval for a MEEIA application (8 months); 4) developing new contracts for DSM programs' services (2-4 months); and 5) delivering program services and performing/reporting EM&V (3 years). Market changes and technology changes necessitate flexibility in program designs and performance metrics/targets which are difficult to accomplish under existing Chapter 22 rules and MEEIA rules. Staff's intends to review this issue as part of its required rule review in 2015.

Summary Comments:

For the first MEEIA program year, from January 2, 2013 through December 31 2013, the Business Energy Efficiency Program expended \$9,590,791 with 74,616 MWh of deemed annual energy savings and the Residential Energy Efficiency Program expended \$18,902,216 with 262,753 MWh of deemed annual energy savings. Additional expenditures include: \$2,549,452 for EM&V and \$3,389,943 for Ameren Missouri portfolio administration. Program level information for 2013 is in Attachment A.

Ameren Missouri also provided \$1.98 million to MO-DE for the Missouri Low-Income Weatherization Program during 2013 program year².

² The 2013 program year for the Missouri Low-Income Weatherization Program started November 1, 2012 and ended October 31, 2013.

Kansas City Power & Light Company

Prepared by: John Rogers and Hojong Kang

Date: July 10, 2014

Collaborative Name and Description: On July 28, 2005, the Commission approved the KCPL Experimental Regulatory Plan embodied in the Stipulation and Agreement filed in Case No. EO-2005-0329. The Commission ordered the Stipulation and Agreement's signatory parties to abide by all of the terms and requirements contained therein, including the creation of the KCPL Customer Programs Advisory Group (CPAG). With the Commission's *Report and Order* in Case No. ER-2010-0355, the 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: Both KCPL's and KCP&L Greater Missouri Operations Company's (GMO) DSM Advisory Group ("DSMAG") normally conduct quarterly joint meetings via teleconference lasting about two hours with occasional in-person meetings in Jefferson City.

Participants:

- Regular: KCPL, Staff, OPC, MO-DE, NRDC, Sierra Club, Earth Island Institute d/b/a Renew Missouri, MIEC, Wal-Mart Stores East, L.P., and Sam's East.³
- 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:

- 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 which was published in August 2013. Stakeholder input was received during the planning, review and editing phases of the study. The results of the DSM Market Potential Study were used to analyze demand-side resources in KCPL's Chapter 22 annual update filings, File No. EO-2014-0256, filed on March 20, 2014.

³ 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.

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- On January 7, 2014, KCPL filed in File No. EO-2014-0095 a MEEIA application. On June 5, 2014, the Commission approved a stipulation and agreement containing 12 MEEIA programs for implementation beginning July 6, 2014, or on the effective date of the tariff sheets for the MEEIA programs, if the effective date is other than July 6, 2014. The Commission also approved a DSIM which addresses recovery of MEEIA programs' costs, estimated lost margin revenues and any earned Performance Incentive Award based on after-the-fact verified energy savings from the programs.

Challenges:

- The optimum planning and implementation process for demand-side resources includes (with approximate duration periods): 1) conducting a DSM market potential study (1 year); 2) conducting Chapter 22 Electric Utility Resource Planning (1 year); 3) preparing, filing and receiving approval for a MEEIA application (8 months); 4) developing new contracts for DSM programs' services (4-6 months); and 5) delivering program services and performing and reporting EM&V (3 years). Market changes and technology changes necessitate flexibility in program designs and performance metrics/targets which are difficult to accomplish under existing Chapter 22 rules and MEEIA rules. Staff's intends to review this issue as part of its required rule review in 2015.

Summary Comments: During 2013, KCPL's Commercial and Industrial DSM programs' expenditures were ** _____ ** with 29,256 MWh of deemed annual energy savings and the Residential DSM programs' expenditures were ** _____ ** with 3,495 MWh of deemed annual energy savings. Program level information for 2013 is in Attachment B.

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KCP&L Greater Missouri Operations Company

Prepared by: John Rogers and Hojong Kang

Date: July 10, 2014

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 the stipulation and agreements in Case Nos. ER-2007-0004 and EO-2007-0298.

Meetings: GMO and KCPL DSM Advisory Groups normally conduct a quarterly joint meeting via teleconference lasting about two hours 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.⁴
- Occasional: Praxair, Inc., and Empire Electric District.
- Consultants: Navigant.
- Commission EMV Auditor: Johnson Consulting Group.

Programs Summaries: See Attachment C.

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. A non-unanimous stipulation and agreement was filed on October 29, 2012, and approved by the Commission on November 15, 2012. Implementation of fifteen MEEIA DSM programs began January 26, 2013, as a result of the Commission's *Report and Order* in Case No. ER-2012-0175. A demand-side programs investment mechanism (tracker) approved in Case No. ER-2012-0175 allows for recovery of demand-side programs' costs and recovery of estimated "lost" margin revenues as a result of the DSM

⁴ 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.

programs and will allow the Company to earn a future performance incentive award based on after-the-fact verified energy savings from the programs.

- KCPL/GMO contracted with Navigant to perform a DSM Market Potential Study which was published in August, 2013. Stakeholder input was received during the planning, review and editing phases of the study. The results of the DSM Market Potential Study were used to analyze demand-side resources in KCPL's Chapter 22 annual update filings, File No. EO-2014-0256, filed on March 20, 2014.
- 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.

Challenges:

- The optimum planning and implementation process for demand-side resources includes (with approximate duration periods): 1) conducting a DSM market potential study (1 year); 2) conducting Chapter 22 Electric Utility Resource Planning (1 year); 3) preparing, filing and receiving approval for a MEEIA application (8 months); 4) developing new contracts for DSM programs' services (4-6 months); and 5) delivering program services and performing and reporting EM&V (3 years). Market changes and technology changes necessitate flexibility in program designs and performance metrics/targets which are difficult to accomplish under existing Chapter 22 rules and MEEIA rules. Staff's intends to review this issue as part of its required rule review in 2015.

Summary Comments: During 2013, the total GMO's Commercial and Industrial DSM programs' expenditures were **_____** with 21,210 MWh of deemed annual energy savings and the Residential DSM programs' expenditures were **_____** with 9,487 MWh of deemed annual energy savings. Program level information for 2013 is in Attachment C.

The Empire District Electric Company

Prepared by: John Rogers and Hojong Kang

Date: July 10, 2014

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

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

Participants:

- Regular: Empire, Staff, OPC, MO-DE, 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:

- 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 which was published in Empire's Chapter 22 triennial compliance filing, File No. EO-2013-0547, filed on July 1, 2013, and in its annual update filings, File No. EO-2014-0243, filed on March 11, 2014.

Challenges:

- Empire filed its first MEEIA application on February 28, 2012, in File No. EO-2012-0206. Empire withdrew its first MEEIA application on July 5, 2012. Empire filed its second MEEIA application on October 29, 2013, in File No. EO-2014-0030; however, the procedural schedule was suspended on January 14, 2014. Empire's last Chapter 22 integrated resource analysis in File No. EO-2013-0547 found that Empire's "No DSM" alternative resource plan has the lowest long-run utility cost (20-year present value of revenue requirements).

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Summary Comments:

Empire spent a total of \$1,210,418 for demand-side programs during 2013 and achieved 6,080 MWh of deemed annual energy savings. Program level information for 2013 is in Attachment D.

Natural Gas Utility: Ameren Missouri

Prepared by: Henry Warren and Kory Boustead

Name: The Energy Efficiency Advisory Group

Participants: Regular: Ameren Missouri, Staff, OPC, MO-DE

Program Changes: The Energy Efficiency programs for 2013 are the same as 2012 and 2011, with the addition of The Home Energy Performance (HEP) Pilot which became effective on March 1, 2013. This pilot program is a joint program with the company's residential electric energy efficiency program with the same name. The HEP Pilot was first approved as a joint utility approach under the Company's MEEIA tariff filing Case No. EO-2012-0142. The 2013 energy efficiency program tariffs expired on December 31, 2013. Ameren Missouri made some revisions to the tariffs to more accurately reflect the current cost effectiveness of various measures and filed to renew them for 2014.

The tariff changes include:

1. Separating Residential Furnace incentives into two tiers.
2. Adding High Efficiency Residential Tank Storage Water Heater as a qualified measure.
3. Adding Residential Wall Insulation as a qualified measure.
4. Adding General Service Tank-less Water Heater as a qualified measure.
5. Revising the Program conclusion and submittal deadlines dates to December 31, 2014 and January 31, 2015, respectively.

In accordance with Case GR-2010-0363 Unanimous Stipulation and Agreement paragraph 6.G, Ameren Missouri believes these tariff changes are appropriate.

Missouri Energy Efficient Natural Gas Equipment and Building Shell Measure Rebate Programs

This program is designed to encourage more effective utilization of natural gas by encouraging cost effective energy efficiency improvement through the replacement of less efficient natural gas equipment with high efficiency Energy Star[®] qualified natural gas equipment and other high efficiency equipment and building shell measures.

Rebates are offered on a limited basis for a portion of the cost of high efficiency equipment and building shell measures purchased by participants. Customers are able to get rebate forms, applications and protocols for the program at ActOnEnergy.com. The Company's participation in such financial incentives is in accordance with the Stipulation and Agreement approved in Case No. GR-2010-0363.

The terms of the rebate(s) are as follows:

Residential Measures

- 1) Thermostat – rebate is twenty five dollars (\$25) or 50% of purchase and installation cost whichever is lower.
- 2) Natural Gas Furnace – (Tier 1) high efficiency AFUE rated 92% to 93.9%.
Rebate is one hundred and fifty dollars (\$150) for owner occupied, two hundred dollars (\$200) for landlord. The rebate for a landlord under this program is considered a pilot.
- 3) Natural Gas Furnace — (Tier 2) high efficiency AFUE rated 94% to 95.9%
Rebate is two hundred and fifty dollars (\$250) for owner occupied, three hundred dollars (\$300) for landlord. The rebate for a landlord under this program is considered a pilot.
- 4) Natural Gas Boiler – (Tier 1) Energy Star[®] qualified high efficiency AFUE rated from 85-89.9%.
Rebate is one hundred dollars (\$100) for owner occupied, one hundred fifty dollars (\$150) for landlord. The rebate for a landlord under this program is considered a pilot. This pilot will allow a landlord to receive a maximum of ten (10) rebates for this measure per year or 10% of their total number of rental units, whichever is higher.
- 5) Natural Gas Boiler – (Tier 2) Energy Star[®] qualified high efficiency AFUE rated from 90% or higher.
Rebate is one hundred and fifty dollars (\$150) for owner occupied, three hundred dollars (\$300) for landlord. The rebate for a landlord under this program is considered a pilot. This pilot will allow a landlord to receive a maximum of ten (10) rebates for this measure per year or 10% of their total number of rental units, whichever is higher.
- 6) Natural Gas Tank Storage/Water Heater – high efficiency with an EF rating greater than or equal to 0.67
Rebate is one hundred and twenty five (\$125).
- 7) Ceiling Insulation – customer’s existing ceiling insulation must be at R19 or less as verified and documented by an insulation contractor. Contractor must install to a minimum rating of R30 to a maximum of R49.
Rebate is two hundred dollars (\$200)
- 8) Wall Insulation – customer’s existing wall insulation must be at R0 as verified and documented by an insulation contractor. Contractor must install to a minimum rating of R11.
Rebate is four hundred dollars (\$400)
- 9) Hot Water Measure Kit – kit may include one (1) shower head, two (2) aerators, ten (10) feet pipe wrap. Rated at 1.5 gallons per minute (GPM)
Measures will either be free or discounted to eligible customer, at the discretion of the Company, via at least one distribution method such as an on-line store.
- 10) Building Shell Measures - Residential Home Energy Audit
Improvement - purchase and installation of cost effective natural gas energy saving equipment and building shell measures as recommended from a customer’s energy audit

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performed by a Qualified Auditor which are not included in other residential natural gas measures listed in this Program.

Rated: measures considered efficiency improvements include:

1. Ceiling Insulation
 - a. Customer's existing ceiling insulation must be R19 or less. Customer must install to a minimum of at least R30 and a maximum of R49.
2. Wall Insulation
 - a. Customer's existing wall insulation must be at RO as verified and documented by an insulation contractor. Customer's contractor must install to a minimum rating of R11.
3. Air Sealing measures - Reduction in ACH must be at least 0.5 ACH through measures that may include:
 - a. Window weather stripping
 - b. Door weather stripping
 - c. Switch and outlet insulation
 - d. Caulking
 - e. Foam etc.
4. Duct Sealing measures Reduction in CFM50 must be at least 50 CFM50
5. Hot Water Measure Kit - which may include:
 - a. Faucet aerators
 - b. Low flow shower heads
 - c. Hot water pipe wrap

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Program Incentives (Cumulative)				
Residential				
1) Programmable Thermostat (moderate setback)	\$50	\$461	\$866	\$1,346
2) Furnace - 92 & to 94.9% (assumes 95%)	\$600	\$2,550	\$5,250	\$10,350
3) Boiler - 85% to 89%	\$0	\$0	\$0	\$150
4) Boiler - 90.9% or higher	\$0	\$0	\$0	\$0
5) Ceiling Insulation	\$0	\$0	\$0	\$0
6) Hot Water Measure Kit	\$0	\$65	\$880	\$1,695
7) Building Shell Measures - Home Energy Audit Improvement				
Ceiling Insulation	\$500	\$6,463	\$15,337	\$32,111
Air Sealing	\$200	\$1,454	\$3,414	\$5,958
Duct Sealing	\$0	\$0	\$0	\$0
Hot Water Measure Kit	\$0	\$0	\$0	\$0
Residential Total	\$1,350	\$10,993	\$25,748	\$51,610
General Service				
1) Programmable Thermostat (assumes 40k sq ft conditioned floor space)	\$0	\$0	\$0	\$0
2) Steam Trap Replacement	\$0	\$0	\$0	\$0
3) Food Service Steamer - 5 pan	\$0	\$0	\$0	\$0
4) Food Service Steamer - 6 pan	\$0	\$0	\$0	\$0
5) Food Service Double Oven	\$0	\$0	\$0	\$0
6) Tank Storage Water Heater - Tier 1	\$0	\$0	\$0	\$0
7) Hot Water Measure Kit	\$0	\$0	\$0	\$0
8) Ceiling Insulation	\$0	\$0	\$0	\$0
9) Wall Insulation	\$0	\$0	\$0	\$0
10) Building Shell Measures - Commercial Energy Audit Improvement	\$0	\$0	\$0	\$0
Ceiling Insulation	\$0	\$0	\$0	\$0
Wall Insulation	\$0	\$0	\$0	\$0
Air Sealing	\$0	\$0	\$0	\$0
Hot Water Measure Kit	\$0	\$0	\$0	\$0
11) Pre-Rinse Spray Valve	\$0	\$0	\$0	\$0
12) Natural Gas Large Vat Fryer	\$0	\$0	\$0	\$0
General Service Total	\$0	\$0	\$0	\$0
Combined Program Incentives	\$1,350	\$10,993	\$25,748	\$51,610

Weatherization

Ameren Gas provided \$263,000 to the Environmental Improvement and Energy Resources Authority (EIERA) for a residential weatherization grant program, including energy education, for primarily lower income customers. The program is administered by the MO-DE and funds distributed by EIERA to the seven community action agencies serving Ameren's gas customers. The list of agencies and how many homes weatherized for 2013 is:

Agency	Total Homes
DAEOC	1
EMAA	3
CMCA	47
MOCA	3
NECAC	5
SCMCAA	1
WCMCAA	2
GRAND TOTAL	62

Evaluations: There were no evaluations in 2013

Relevant Cases: EO-2012-0142; GR-2010-0363

2013 Program Expenditures: \$325,620 from January 1, 2013 – December 31, 2013 out of a 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.

2014 Program Expenditures: \$700,000 per the Stipulation and Agreement in Case No. GR-2010-0363 with \$263,000 forwarded to the EIERA for low-income weatherization. No program expenditures submitted for 1st quarter 2014 as of the time of this report

Natural Gas Utility: Laclede Gas Company

Prepared by: Henry Warren and Kory Boustead

Name and Description: The Energy Efficiency Collaborative (EEC)

Participants: Regular: Laclede, Staff, OPC, MO-DE

Program Changes: Effective July 8, 2013, the Commission approved a stipulation and agreement in Laclede's rate case, Case No. GR-2013-0171, that continues the Company's Conservation and Energy Efficiency Programs that began with the Stipulation and Agreement in Case No. GR-2007-0208. Funding level goals for the programs have been updated so that beginning with the 12-month period effective October 1, 2013, target funding will be 0.5% of the annual average of the Company's Missouri jurisdictional gas distribution operating revenues for the Laclede Gas service division including cost of gas for Residential, Commercial and Industrial, and Interruptible customers for fiscal years ending 2010, 2011, and 2012. For the 12-month period beginning each October 1 thereafter, target levels will be updated to 0.5% of the moving average of these revenues for the three previous years.

Further, a tariff change was filed in August 2013 that included a change to the Program Year from August 1 – July 31 to October 1 – September 30.

Since the approval of Ameren Missouri's MEEIA case, Case No. EO-2012-0142, Laclede Gas has begun to co-deliver energy efficiency programs with Ameren Missouri so they may be cost-effective for both utilities. Accordingly, Laclede began to explore joint delivery with Ameren Missouri of a direct-install program for low-income customers. On August 27, 2013 Laclede filed a new tariff with the Missouri Public Service Commission for a Residential Direct-Install Low Income Program. The tariff became effective on September 27, 2013. On December 1, 2013, Laclede entered into a contract with Honeywell Smart Grid Solutions to co-deliver the direct-install program. Honeywell is the contractor providing the same service for Ameren Missouri's electric customers. Hence, through the program, qualifying customers within federally subsidized multifamily and single family properties that contain both Laclede and Ameren Missouri service will now receive at no cost space-heating and water-saving measures, namely, programmable thermostats, energy efficient faucet aerators, energy efficient showerheads, and water heater pipe insulation, with utility EE funding dependent on the fuel source to the appliances. It is intended that cost-sharing benefits for program delivery will be obtained by both utilities. The Residential Direct-Install Low Income Program will run until December 31, 2015.

Weatherization

This program is designed to provide energy education and weatherization assistance to low-income residential customer to assist in reducing the energy consumption and thus reducing their natural gas utility bill. The Company shall provide \$950,000 annually in assistance for the benefit of eligible low-income customers of the Company who use natural gas for space heating.

Red-Tag Repair Program

This program is an experimental program for customers to receive minor repairs of their gas appliances and piping in order to obtain or retain gas service. The program has two components: (i) Heating Only for Lower Income and (ii) Avoid Red Tags.

Heating Only for Lower Income provides payment assistance to eligible residential customers of the Company, with a household income equal to or less than 185% of the Federal Poverty Level, who require repairs of customer-owned natural-gas appliances and/or piping to obtain or retain space heating services to their homes.

Avoid Red Tags permits Laclede field service representatives (FSR) who are already on-site to spend a nominal amount of time to perform minor repairs of the customer's gas appliances and piping when doing so would result in the customer gaining or keeping use of service rather than having the piping or appliance "red-tagged" as unsafe. If an FSR determines that any gas appliance should be "red-tagged" as unsafe or out of compliance with applicable codes, but the FSR believes that the problem can be repaired in no more than 15 minutes using parts that cost \$20 or less, the FSR may, with the customer's consent, attempt to effect such repairs in conjunction with utility service at no cost to the customer. At any time that the FSR determines that the repair will fall outside of these parameters, the FSR shall cease the repair effort and proceed in accordance with the Company's safety practices and the Utility Promotional Practices rules.

Conservation and Energy Efficiency Programs

Residential High Efficiency Rebate Program:

This program provides rebates to residential owners and customers for the installation of high efficiency heating system and thermostats as described below:

Equipment	Rated	Rebate
Gas Furnace	Greater than or equal to 92% but less than 96% AFUE	\$150
Gas Furnace	Greater than or equal to 96% AFUE	\$200
Gas Boiler	Greater than or equal to 90% AFUE	\$150
Electronic programmable setback thermostat	Four pre-programmed setting for 7 day, 5+2 day, or 5-1-1 day models	\$25
Gas storage water heater greater than or equal to 20 gallons	Greater than or equal to 0.62 but less than 0.67 EF	\$50
Gas storage water heater greater than or equal to 20 gallons	Greater than or equal to 0.67 but less than 0.82 EF	\$125
Gas Water Heater	Greater than or equal to 0.82 EF	\$200

Residential Personal Energy Report and Online Energy Audit – Pilot Program

The purpose of the Personal Energy Report and Online Energy Audit Program is to provide information and education to the Company's residential customers to help them improve energy efficiency in the operation of their homes. Under this program, Laclede will mail a customized report to residential customers. In the first year of the program, the report will be sent to a selected 30,000 customers. Based upon the EEC's review of the pilot mailing, a subsequent mailing may be made to all of the Company's residential customers who have sufficient natural gas usage data.

Residential Direct-Install Low Income Program

Purpose- The purpose of the Residential Direct-Install Low Income Program is to deliver long-term natural gas savings and bill reductions to low income customers who occupy multifamily and single-family dwelling units within the Laclede Gas service territory. This will be achieved through direct-install water consumption reduction and heat retention measures at no cost to participating customers. The program will also provide residents of the dwelling units with education on the use of the natural gas conservation measures.

Availability- The program is available to income qualified multifamily and single-family properties that contain natural gas space-heating and/or water-heating equipment and receive gas service from Laclede Gas. The direct-install measures will include programmable setback thermostats, low-flow faucet aerators, low-flow showerheads, and insulating water-heater pipe wrap. Multifamily dwelling units are defined as structures of three (3) or more attached unit complexes. Single-family dwellings are defined as residents of single-family and duplex housing units. Residents may include but are not limited to families, the elderly, or disabled that are income qualified. For the purposes of this program the term "income qualified" refers to residents of dwelling units that are in federally subsidized housing units and who fall within that federal program's income guidelines. The intent of this program is to install measures only within income qualified dwelling units. However, as a requirement of program participation, comparable energy efficiency measures must be installed in all dwelling units, federally subsidized and non-federally subsidized, located on the same property and equipped with natural gas.

Program Description - The Company will co-deliver the program with the local electric utility provider so that eligible customers utilizing both services may receive energy savings and bill reductions from both energy sources. At the same time, the Company will offer a similar program to qualifying multifamily properties where the local electric utility already installed electric energy saving measures but where the installation of gas saving measures was bypassed. Under both programs the Company will enter into a contract with a Program Administrator, selected by the EEC, to develop, implement, and maintain all services associated with the program. Each Program Administrator will direct the necessary services to provide the installation of Program-specified measures noted. Participants who receive measures installed pursuant to the program, except for non-incented measures for market rate or non-federally

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subsidized units, are not eligible for incentives for similar measures contained in any of the Company's other energy efficiency programs.

A detailed post-implementation evaluation by an independent evaluation contractor selected by the Energy Efficiency Collaborative shall be completed within six (6) months following conclusion of the Program's second year. If feasible, this detailed evaluation will include both a process evaluation and at a minimum, a preliminary cost effectiveness (impact) evaluation.

Commercial and Industrial (C/I) Rebate Program:

The C/I Rebate program was established to provide commercial and industrial customers incentives through prescriptive (standard) rebates, as set forth below and custom rebates, for the implementation of natural gas energy efficiency measures, including part or all of the cost of an energy audit that identifies a measure that subsequently results in a rebate through this program.

Customers implementing certain measures as described below will receive standard rebates. All other rebates under this program will receive financial incentives which are customized or individually determined using the Societal Benefit/Cost Test, as defined in the latest edition of the California Standard Practice Manual for Economic Analysis of Demand-Side Programs and Projects.

Non-Profit Customers, defined as a government agency, public school district, or a customer that demonstrates it qualifies as a 501(c)(3) charity or as a benevolent corporation as defined by RSMo 352.010, may qualify for specific rebates as detailed below.

Standard Rebates: Following is a list of the prescriptive rebates available for equipment and services under the C/I Rebate program:

Equipment or Service	Rated	Rebate
Gas Furnace	Greater than or equal to 92% but less than 94% AFUE	\$200
Gas Furnace	Greater than or equal to 94% AFUE	\$250
Electronic programmable setback thermostat	Four pre-programmed settings for 7 day, 5+2 day, or 5-1-1 day models	\$40
Radiant Infrared heater (Low-intensity heater, electronic ignition only)	Rated greater than or equal to 20,000 BTU/hour and less than or equal to 250,000 BTU/HOUR	\$300

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Gas storage water heater. Greater than or equal to 20 gallons	Greater than or equal to 0.62 but less than 0.67 EF	\$50
Gas storage water heater. Greater than or equal to 20 gallons	Greater than or equal to 0.67 but less than 0.82 EF	\$125
Gas Water Heater	Greater than or equal to 0.82 EF	\$200
Continuous modulating burner	Burner replacement considered efficiency improvement	25% of equipment cost or \$15,000 per burner, whichever is lower
Gas-fired boiler tune up	Non-profit customer submit combustion test results performed before and after tune up. Eligible for tune up	75% of the cost up to \$750 per boiler, whichever is lower
Gas-fired boiler tune up	All other C/I customer submit combustion test results performed before and after tune up. Eligible for tune up	50% of the cost up to \$500 per boiler, whichever is lower
Steam trap replacement	Maximum of 25 failing units per program year. Steam trap replacement considered efficiency improvement	50% of the equipment cost or \$2,500 total, whichever is lower
Vent damper	Damper installation considered efficiency improvement	50% of equipment cost or \$500 cap per boiler, whichever is lower
Food service gas steamer	ENERGY STAR [®] qualified	50% of the equipment cost or \$475, whichever is lower
Food service gas fryer	ENERGY STAR [®] qualified	50% of the equipment cost or \$350, whichever is lower
Food service griddle. Top and bottom surfaces of clam shell models must be gas	ENERGY STAR [®] qualified	50% of the equipment cost or \$400 whichever is lower
Food service gas convection gas oven	ENERGY STAR [®] qualified	50% of the equipment cost or \$200, whichever is lower

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Kitchen low flow spray wash nozzle. Maximum of 2 nozzles	GPM rating of 1.6 or less	50% of the equipment cost or \$100 per nozzle, whichever is lower
Gas space heating boiler over than 300,000 and BTU/hour input	Minimum efficiencies (AFUE): Hot water: 85.0% Over 15 PSIG STEAM: 81.5% PSIG or less steam: 83.0%	\$500/MMBTU/H+\$200/M MBTU/H per percentage point above min. efficiency (max \$750)
Gas space heating boiler over than 300,000 and less than 1,000,000 BTU/hour input	Minimum efficiencies (AFUE): Hot water: 83.0% Over 15 PSIG STEAM: 81.5% PSIG or less steam: 83.0%	\$500/MMBTU/H+\$200/M MBTU/H per percentage point above min. efficiency (max \$1500)

Building Operator Certification Program

The purpose of the Building Operator Certification ("BOC") Program is to help the Company's commercial and industrial customers improve energy efficiency in the operation of their facilities. The Missouri Department of Natural Resources Energy Center ("DNR-EC") provides the Level I and II SOC training series in Missouri under license from the Midwest Energy Efficiency Alliance ("MEEA") which administers BOC in the Midwest. BOC is a hands-on training and certification program covering building operation and maintenance for building operators.

The Company will enter into an agreement with Division of Energy - Energy Center (DE-EC) to offer BOC training in the Company's service area, and will provide payments to DE-EC to be used for its expenses in preparing one or more training series in the Company's service area. Customers of the Company whose employee(s) complete a BOC course provided by DNR-EC and receive certification may be eligible for the following rebates of tuition expenditures depending on their eligibility for rebates from other sources:

Customer Eligibility for Rebates from Other Sources

Customer pays full tuition for the training and is eligible for a rebate from its electric service provider for less than 25% of tuition expenditures.

Customer pays full tuition and is eligible for a rebate from its electric service provider for 25% to 35% of tuition expenditures.

Customer pays full tuition and is eligible for a rebate from its electric service provider for more than 35% of tuition expenditures.

Customer is eligible for rebates from other sources besides its electric service provider.

Low-Income Energy Affordability Program

The Company's Low-Income Energy Affordability Program is provided pursuant to Attachment 4 to the Stipulation and Agreement submitted in Case No. GR-2005-0284, and approved by the Commission effective October 1, 2005.

1. The program will be jointly administered by the Company and selected Community Action Agencies (CAA) in the Laclede service territory. Compensation to the CAA for these duties will be negotiated between the Company, Staff, Public Counsel and the CAA. The first \$50,000 in annual payments made to the CAA for these administrative activities shall be made out of Program funds. Any additional payment to the CAA that may be required to compensate it for such activities will be borne by Laclede up to a maximum annual amount of \$20,000.
2. All households enrolling in the program will be required to register with a CAA, apply for any energy assistance funds for which they might be eligible, and review and agree to implement cost-free, self-help energy conservation measures identified by the CAA. In addition, all applicants will be provided with basic budgeting information, as well as information about other potential sources of income such as the Earned Income Tax Credit. The CAA may use household registration from other assistance programs to determine eligibility for the program.
3. The program shall be funded at a total annual level of \$950,000 (of which \$50,000 shall be set aside annually to pay for the administrative costs specified above) and shall consist of the Winter Bill Payment Assistance Program and the Arrearage Repayment Program (ARP). Such total funding level shall not be increased or decreased prior to the effective date of rates in the Company's next general rate case proceeding, provided that any amounts not spent in any annual period shall be rolled over and used to fund the programs in the next annual period. Upon termination of the programs, any unspent amounts shall be used to fund low-income energy assistance, low-income weatherization, or energy efficiency programs for customers who receive natural gas services from Laclede.
4. Winter Bill Payment Assistance Program. Bill credits in the sum of \$550,000 annually shall be made available during the months of November-April to households with incomes ranging from 0% to 150% of the federal poverty guidelines ("FPL"). To participate in the Winter Bill Payment Assistance Program, a customer must make a minimum monthly payment of \$40 during the six month winter period.

EVALUATIONS:

During the second quarter of 2013 the Company, with assistance from Aclara and DataRaker conducted a process and impact evaluation of the pilot program report mailing. Using the evaluation to help determine a course of action, the Laclede Energy Efficiency Collaborative unanimously declined to pursue a full-scale mailing of a personal energy report at this time, but decided that it would be more cost-effective to concentrate on the Home Energy Advisor online energy audit tool, to which the Laclede Energy Efficiency Collaborative is committed through September 2014.

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Following the approval of Laclede's acquisition of Missouri Gas Energy (MGE), representatives of both utilities have started discussions on best practices for providing energy efficiency programs to both utility service territories.

In the MGE rate case GR-2014-0007, filed on September 16, 2013, the MGE Division proposed to add energy efficiency measures to MGE programs to more closely match those of Laclede, including a commercial and industrial rebate program, and to coordinate each company's collaborative to maximize the cost-effectiveness of the programs and to leverage collaborative recommendations. During the final months of 2013 the Laclede Energy Efficiency Collaborative and the MGE Energy Efficiency Collaborative initiated discussions on integration of the utilities Energy Efficiency programs.

Relevant Cases: GR-2013-0171; GM-2013-0254; GR-2007-0208; GR-2013-0007; EO-2012-0142

2013 Program Expenditures: Program Year October 1 2012 – September 30 2013, total amount budgeted for program year \$4,529,260 with 950,000 of the budget forwarded to EIARA for low-income weatherization. Total amount of the non-low income budget spent was \$2,219,866 as of September 30, 2013.

2014 Program Expenditures: Program Year October 1 2013 – September 30 2014, total amount budgeted for program year \$4,235,000 with 950,000 of the budget forwarded to EIARA for low-income weatherization. Total amount of the non-low income weatherization budget spent was \$1,626,731 as of March 31, 2014.

Natural Gas Utility: Missouri Gas Energy, A Division of Laclede Gas Company

Prepared by: Henry Warren and Kory Boustead

Name: The Energy Efficiency Collaborative

Participants: Regular: MGE and Laclede, Staff, OPC, MO-DE

Program Changes: During the program year, two programs expired. Rebuild Joplin, the experimental pilot program for residential and SGS natural gas energy efficiency incentives expired May 31, 2013, along with the Rebuild Joplin: Energy Star® New Homes Experimental Pilot Program which expired December 31, 2013.

The purpose for these programs was to assist tornado victims, encourage rebuilding efforts, and promote energy efficiency in the tornado-impacted areas in and around Joplin by offering increased appliance incentives through the energy efficiency program and by encouraging the construction of homes that meet the Energy Star® Homes guidelines through the Energy Star® New Homes Experimental Pilot Program.

Missouri Gas Energy also worked with a Joplin home builder and a local design firm to build a model home used to train local builders and provide a teach resource. A website was established to help show the home and all of the energy efficiency appliances and technology used at www.energyefficiencyfortomorrow.com.

An evaluation is currently being conducted by Nexant and is due June 1, 2014.

Red-Tag Repair Program

This program is an experimental program for customers to receive minor repairs of their gas appliances and piping in order to obtain or retain gas service. The program has two components: (i) Heating Only for Lower Income and (ii) Avoid Red Tags.

Heating Only for Lower Income provides payment assistance to eligible residential customers of the Company, with a household income equal to or less than 185% of the Federal Poverty Level, who require repairs of customer-owned natural-gas appliances and/or piping to obtain or retain space heating services to their homes.

Avoid Red Tags permits Laclede field service representatives (FSR) who are already on-site to spend a nominal amount of time to perform minor repairs of the customer's gas appliances and piping when doing so would result in the customer gaining or keeping use of service rather than having the piping or appliance "red-tagged" as unsafe. If an FSR determines that any gas appliance should be "red-tagged" as unsafe or out of compliance with applicable codes, but the FSR believes that the problem can be repaired in no more than 15 minutes using parts that cost \$20 or less, the FSR may, with the customer's consent, attempt to effect such repairs in conjunction with utility service at no cost to the customer. At any time that the FSR determines

that the repair will fall outside of these parameters, the FSR shall cease the repair effort and proceed in accordance with the Company's safety practices and the Utility Promotional Practices rules.

Temporary Low-Income Energy Affordability Program

This temporary low-income energy affordability program ("Program") is established because the unusually cold winter of 2013-14 has created a hardship for low-income customers. For the period from May 1, 2014 through November 30, 2014, the Company shall implement the Program for the benefit of its customers pursuant to the terms set forth below.

1. All households with incomes equal to or less than 185% of the Federal Poverty Level shall be eligible to participate in the Program. The Program will be jointly administered by the Company and selected Community Action Agencies (CAA) in the MGE service territory. All customers enrolling in the program will be required to register with a CAA, apply for any energy assistance funds for which they might be eligible, and be deemed to have agreed to allow their account information to be used in any program evaluation. The CAA may use household registration from other assistance programs for the sole purpose of determining eligibility for the program.
2. Customers may register for the program between May 1 and June 30, 2014. Upon acceptance to the program, a customer's account with MGE shall be credited with the lesser of (i) one-half of the customer's then outstanding balance; (ii) the amount required to bring the customer current on any Cold Weather Rule (CWR) payment plan; or (iii) \$600. For customers on a CWR payment plan, the customer will be expected to comply with the terms of such plan after receiving the credit. For other eligible customers, the Company will establish a five-month payment arrangement (PA) under which the customer will pay the amount of current usage plus one-fifth of the remaining balance on the account. A customer who is current on the PA will not incur late payment charges on the outstanding arrearage balance amounts covered under the program.
3. It is intended that the customer eliminate the balance owed by the end of the CWR payment plan or the five-month PA period. The Company may terminate a customer's participation in the program if the customer fails to make timely payments. Until service is discontinued, a customer who has defaulted on a PA shall be permitted to maintain or reinstate the PA by paying all amounts due to bring the PA current.
4. Compensation to the CAA for its duties will be negotiated between the Company and the CAA subject to an overall limitation of no more than 5% of the total funding of the Program. The CAA shall use Utilicare funding to the extent it is available before using Company funds in the program. The Company's customers shall not receive less Utilicare funding than they would otherwise receive absent the program. The program shall be funded with up to \$400,000 in Company funds, exclusive of administrative costs. Any Company funds used in the program, plus administrative funds, shall be deferred into a low-income asset account for recovery over a five-year period in the Company's next rate case.

Residential Natural Gas Energy Efficiency Initiatives

A. Energy Efficiency Education Program

As an Energy Star® partner, MGE will continue to make information available to customers and, where possible, work in cooperation with other Energy Star® partners and other energy efficiency collaboratives to further public education on energy efficiency. In addition MGE will continue to promote the use of an online energy analyzer through its web site.

B. High-Efficiency Natural Gas Water Heating and Space Heating Incentive Program

The High-Efficiency Natural Gas Water Heater and Space Heating Incentive Program is an incentive program designed to encourage customers to use energy efficient equipment through the purchase and installation of high efficiency natural gas water heaters and/or space heating systems. The Company offers incentives for a portion of the cost of such systems that meet Energy Star® criteria (where applicable). Company's participation in such financial incentives is limited to the funding levels specified in the Commission's Report and Order in Case No. GR-2009-0355 subject to adjustment as provided therein.

The program is available to any active MGE residential customer (no final bill or inactive accounts) who purchase and install a natural gas space heating or water heating system that meets Energy Star® criteria (where applicable) within MGE's service territory.

Residential customers will be eligible to receive the following rebates:

\$50 for tank water heater greater than or equal to .62 but less than .67 EF.
\$125 for tank water heater greater than or equal to .67 but less than .79 EF.
\$200 for .80 EF or greater condensing tank water heater or .82 or greater EF tankless water heater.
\$200 for a natural gas furnace greater than or equal to .90 but less than .96 AFUE.
\$300 for a natural gas furnace .96 AFUE or greater.
\$450 for a combination furnace/water heater that meets current Energy Star® criteria.
\$200 for a natural gas boiler system that meets current Energy Star® criteria.
\$25 for a programmable thermostat if purchased in conjunction with a space heating system.

Home Performance with ENERGY STAR®

This voluntary Home Performance with ENERGY STAR® (HPwES) Program is intended to encourage residential customers to identify and implement improvements that can be applied to their home to improve energy efficiency and comfort while helping to protect the environment by conducting a HPwES designed comprehensive home assessment (Assessment).

The Company may coordinate this program with other utilities regulated by the Missouri Public Service Commission (Commission), municipal utilities, and co-op utilities with HPwES in its

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service area per the direction of the Missouri Gas Energy Collaborative (Collaborative) established in the Report and Order approved by the Missouri Public Service Commission (Commission) in Case No. GR-2009-0355.

The Company provided an evaluation of the program after 24 months from the start of the program that was done by Nexant in January 2012. The evaluation included a process evaluation, impact evaluation, a billing analysis, cost effectiveness test, and a comparison between participating Customers and a control group.

Commercial and Industrial Natural Gas Energy Efficiency Initiatives

Energy Efficiency Education Program

A. As an Energy Star® partner, MGE will make information available to customers and, where possible, work in cooperation with other Energy Star® partners and other energy efficiency collaboratives to further public education programs.

B. Commercial and Industrial (C/I) Rebate

The Commercial and Industrial (C/I) Rebate Program is available to any participant (not available to customers with unpaid final bill or inactive accounts) who purchase and install a natural gas energy efficiency measure that meets Energy Star® criteria (where applicable) or other qualifying criteria within MGE's service territory.

The program provides commercial and industrial customers incentives through standard rebates, as set forth below and custom rebates, for the implementation of natural gas energy efficiency measures, including part or all of the cost of an energy audit that identifies a measure that subsequently results in a rebate through this program.

Customers implementing certain measures as described below will receive the standard rebates. All other rebates under this program will receive financial incentives which are customized or individually determined using the Societal Benefit/Cost Test, as defined in the latest edition of the California Standard Practice Manual for Economic Analysis of Demand-Side Programs and Projects.

Non-Profit Customers, defined as a government agency, public school district, or a customer that demonstrates it qualifies as a 501(c)(3) charity or as a benevolent corporation as defined by RSMo 352.010, may qualify for specific rebates as detailed below.

Effective January 2014, Missouri Gas Energy changed their program year to begin on October 1 and end on September 30 of the following year. They also have changed the program tracking and reporting to use the same reporting format and timing as Laclede Gas Company and was encouraged to do so by the Energy Efficiency Collaborative as well. The changes are as follows:

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Within forty-five days of the end of each calendar quarter, the Company shall submit a status report to the Energy Efficiency Collaborative regarding the cost and participation of its conservation and energy efficiency programs including:

- the number of energy efficiency measures implemented, summarized by measure type, and customer type for each calendar quarter and cumulatively for the fiscal year of program year; (Measure Types: Residential – summarized for each type of prescriptive equipment of service. Commercial and Industrial – summarized for each type of prescriptive equipment or service, type of custom rebate, and for the audits.)
- funds invested in each energy efficiency program for each calendar quarter and cumulatively for the fiscal year or program year.
- estimated savings for each energy efficiency program for each calendar quarter and cumulatively for the fiscal year or program year.

A detailed post-implementation evaluation of the initial two years of each new program shall be completed within six months of the end of each program's second year. Where feasible, these reviews will include both process evaluations and cost effectiveness (impact) evaluations. Evaluations may be performed after less than two years of program implementation if the Energy Efficiency Collaborative determines this is preferable. Further evaluation of existing programs may be performed as determined by the Energy Efficiency Collaborative. Post-implementation evaluations will then be used in the selection and design of future programs.

Following the approval of Laclede's acquisition of Missouri Gas Energy (MGE) GM-2013-0254, representatives of both utilities have started discussions on best practices for providing energy efficiency programs to both utility service territories.

In the MGE rate case GR-2014-0007, filed on September 16, 2013, the MGE Division proposed to add energy efficiency measures to MGE programs to more closely match those of Laclede, including a commercial and industrial rebate program, and to coordinate each company's collaborative to maximize the cost-effectiveness of the programs and to leverage collaborative recommendations. During the final months of 2013 the Laclede Energy Efficiency Collaborative and the MGE Energy Efficiency Collaborative initiated discussions on integration of the utilities energy efficiency programs.

Evaluations: Nexant completed January 2012

Relevant Cases: GM-2013-0254, GR-2014-0007

2013 Program Expenditures: Program Year was the Calendar Year; the total budget for program year was \$3,356,865 with \$750,000 forwarded to EIEIA for low-income weatherization. Total amount of the non-low income weatherization budget spent was \$2,221,673 as of December 31, 2013.

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2014 Program Expenditures: Program Year is the Calendar Year: the total budget is \$3,468,500, with \$750,000 forwarded to EIERA for low-income weatherization. Total amount of the non-low income weatherization budget spent as of March 31, 2014 \$439,044.

Natural Gas Utility: Liberty Utilities

Prepared by: Henry Warren and Kory Boustead

Name: Energy Efficiency Advisory Group

Participants: Regular: Liberty, Staff, OPC, DOE

Program Changes: During the 2013 program year (September 1, 2012 – August 31, 2013) \$288,787 was budgeted for the four energy conservation and efficiency program components. The Liberty Utilities Advisory Group met twice during the program year.

Customer Education

Twenty presentations serving 500 students were given during the program year and another presentation to a community service organization was given to 15 attendees. Liberty Utilities has continued bill inserts encouraging conservation but has not had the interest from community groups the company experienced in the past. Currently, they are looking at an outside vendor with experience in educating the public on energy conservation.

Weatherization

Liberty Utilities provided \$105,000 to the Environmental Improvement and Energy Resources Authority (EIERA) in September of 2012. Funds were distributed by EIERA and the Missouri Department of Natural Resources to the six community action agencies serving our customers.

High Efficiency Natural Gas Water Heating and Space Heating Rebates

Like the last program year, Liberty continued to see a decline in the number of rebates processed this year (129 compared to 163 at the same time last year). And like last year, although total rebates declined, the actual average savings per rebate continued to increase over the previous year. The following table provides a summary of appliance rebates by appliance type for this program year.

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Rebates by Appliance Type	
Appliance Type	# of Rebates
Boiler 85% of AFUE	0
Boiler 90% of AFUE	0
Furnace Under Former Program	0
Furnace 90% and <94% AFUE	18
Furnace 94% and <96% AFUE	52
Furnace 96% or > AFUE	28
Tank Water Heater 62 EF	1
Tank Water Heater 67 EF	3
Tankless/Condensing W/H	10
Combo WH & Space Heating	0
Thermostat	17
Total	129

Energize Liberty Utilities Homes

During this program year to date, although 8 rebates were issued, a decline from last year at this time, total savings results per rebate were up 95% (2012: 5,317 Ccf / 14 rebates = 380 vs 2013: 5,938 Ccf / 8 rebates = 742).

Evaluations: None

Relevant Cases: None

2013 Program Expenditures: Program Year September 1, 2012 – August 31, 2013; total amounted budgeted for program year \$288,787 (0.5% of gross operating revenues) with \$105,000 of the budget forwarded to EIARA for low-income weatherization. Total amount of the non-low income weatherization budget spent \$174,034.

2014 Program Expenditures: Program Year September 1, 2013 – August 31, 2014; total budget is \$259,904 (0.5% of gross operating revenues) with \$105,000 being forwarded to EIARA for low-income weatherization.

Natural Gas Utility: Empire District Gas

Prepared by: Henry Warren and Kory Boustead

Name: The Demand Side Management and Energy Efficiency Advisory Group

Participants: Regular: Empire, Staff, OPC, and DOE

Program Changes: The programs for 2013 are the same as 2012. Empire is in year four of their energy efficiency portfolio. Empire's initial energy efficiency portfolio was in effect from April 1, 2010 to March 31, 2013. As of April 1, 2013, Empire renewed the tariffs for these programs for a second three-year period, which will be from April 1, 2013 to March 31, 2016.

The advisory group continues to examine the growth of the current programs to see if any adjustments or changes should be made. Empire tracks and reports their program progress quarterly.

Low-Income Weatherization Program

The Low-Income Weatherization Program involves four community action agencies. During 1st quarter April 1, 2013 through June 30, 2013 and 2nd quarter July 1, 2013 through September 30, 2013, no homes were reported weatherized using EDG's Weatherization funds, resulting in no estimated annual energy savings for this program in these quarters. During the 3rd quarter, October 1, 2013 through December 31, 2013, one home was reported weatherized using EDG'S Weatherization funds, resulting in an estimated annual energy savings of 33 MCf for this program in the 3rd quarter. During January 1, 2014 through March 31, 2014, four homes on Empire's territory were reported weatherized using \$9,539. This fell short of Empire's quarterly projection of ten. The weatherization of four homes resulted in estimated annual savings of 131 MCf. For the full program year of April 1, 2013 to March 31, 2014, this makes a total of seven homes weatherized, compared to Empire's projection of 40 homes. The four community action agencies used \$18,693 of Empire funds to do this, which resulted in an estimated total savings of 229 MCf.

ENERGY STAR® Water Heating Program

Four tanked water heaters were rebated during the 1st quarter. Participation in this program was 91% below the budget for the quarter. Expenditures for this program totaled \$300 or 4% of the program budget for the quarter. This quarter's participation in the water heating program resulted in estimated annual energy savings of 10 MCf.

During the 2nd quarter one tanked water heater was rebated. Participation in this program was 97% below the budget for the quarter. Expenditures for this program totaled \$75 or 1% of the program budget for the quarter. This quarter's participation in the water heating program resulted in estimated annual energy savings of 2 MCf.

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Two tanked water heaters and four tankless water heaters were rebated during the 3rd quarter. Participation in this program was 87% below the budget for the quarter. Expenditures for this program totaled \$950 or 13% of the program budget for the quarter. This quarter's participation in the water heating program resulted in estimated annual energy savings of 26 MCf.

One tank water heater and one tankless water heater were rebated during the period January 1, 2014 to March 31, 2014. Expenditures for this quarter totaled \$275, and resulted in a savings of 8 MCf.

For the program year April 1, 2013 through March 31, 2014, Empire spent \$1,600 and rebated 8 tank water heaters and 5 tank-less water heaters, resulting in an estimated savings of 46 MCf

ENERGY STAR® Space Heating Program

In the space heating program, 26 furnaces or boilers were installed in the 1st quarter, with seven of the installed systems including programmable thermostats. All but one of the 26 furnaces were installed in residences. The participation rate for furnaces/boilers was 59% of the quarterly budget while the participation rate for programmable thermostats was 18% of the quarterly budget. Space heating expenditures for the quarter totaled \$5,375, or 40% of the quarterly budget. The total estimated annual energy savings for this program are 282 MCf. The estimated annual energy savings are 53% of the annual budgeted savings for the quarter.

In the 2nd quarter, 23 furnaces or boilers were installed with three of the installed systems including programmable thermostats. All but one of the 23 furnaces were installed in residences. The participation rate for furnaces/boilers was 52% of the quarterly budget while the participation rate for programmable thermostats was 8% of the quarterly budget. Space heating expenditures for the quarter totaled \$4,675, or 34% of the quarterly budget. The total estimated annual energy savings for this program are 243 MCf. The estimated annual energy savings are 46% of the annual budgeted savings for the quarter.

During the 3rd quarter, in the space heating program, 55 furnaces or boilers were installed with 14 of the installed systems including programmable thermostats. All but one of the 55 furnaces were installed in residences. The participation rate for furnaces/boilers was 125% of the quarterly budget while the participation rate for programmable thermostats was 37% of the quarterly budget. Space heating expenditures for the quarter totaled \$11,350, or 84% of the quarterly budget. The total estimated annual energy savings for this program are 595 MCf. The estimated annual energy savings are 113% of the annual budgeted savings for the quarter.

From January 1, 2014 to March 31, 2014, 44 rebates were issued to customers who replaced their furnaces or boilers. Of those 44, 11 also installed programmable thermostats. Of the 44 rebates, five were issued to small commercial customers. The participation rate for furnaces/boilers was 100% of the quarterly budget while the participation rate for programmable thermostats was 29% of the quarterly budget. Space heating expenditures for the 4th quarter totaled \$9,075, or 67% of the quarterly budget. The total estimated annual savings for measures installed in this quarter is 467 MCf, 90% of the budgeted savings.

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For the April 1, 2013 to March 31, 2014 program year, Empire issued rebates to 148 customers who replaced their furnace, 36 of whom installed programmable thermostats. The 148 participants were 84% of Empire's projection for the year. 36 programmable thermostats installed were 25% of Empire's projection for the program year. Savings for the program year total 1,596 MCf, or 76% of Empire's projection for the program year.

Home Performance with ENERGY STAR® Program

No rebates were paid during the program year for the Home Performance with ENERGY STAR® program. The program incurred no costs and produced no MCf savings.

Large Commercial Natural Gas Audit and Rebate Program

The Large Commercial Audit and Rebate program paid no rebates during the program year and incurred no expenditures, resulting in no MCf savings.

Building Operator Certification Program

The Building Operator Certification program paid no rebates during the program year and incurred no expenditures, resulting in no MCf savings.

Online Consumption Calculator by Apogee

The EDG online calculator is hosted by Apogee. No money was paid from this budget during the program year, and no savings can be directly attributed to the program

Summary

Total expenditures for the first quarter of program year four (April 1, 2013 through June 30, 2013) were \$5,675, which was 9.4% of the first quarter budget. As illustrated on Attachment A, the estimated annual energy savings for the first quarter of program year four were 292 MCf. The estimated annual energy savings were 13.6% of the quarterly budget. As shown in Attachment B, the lost revenues associated with the estimated energy savings in the first quarter of program year four were \$610.53.

Total expenditures for the second quarter of program year four (July 1, 2013 through September 30, 2013) were \$4,750, which was 7.8% of the quarter's budget. The estimated annual energy savings for the second quarter of program year four were 245 MCf. The estimated annual energy savings were 11.4% of the quarterly budget. As shown in, the lost revenues associated with the estimated energy savings in the second quarter of program year four were \$513.94.

Total expenditures for the third quarter of program year four (October 1, 2013 through December 31, 2013) were \$14,313, which was 23.6% of the quarter's budget. The estimated annual energy savings for the third quarter of program year four were 654 MCf. The estimated

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annual energy savings were 30.5% of the quarterly budget. The lost revenues associated with the estimated energy savings in the third quarter of program year four were \$1,360.29.

Total expenditures for the fourth quarter (January 1, 2014 through March 31, 2014) of year three were \$18,889 which was 31% of the fourth quarter budget. Expenditures for the program year (April 1, 2013 through March 31, 2014) totaled \$50,768, 21% of the budget. The estimated annual energy savings for the fourth quarter of program year four were 614 MCf, which 62% of the projection. For the program year, savings totaled 1,871 MCf, 22% of projected savings. The lost revenues associated with the estimated energy savings in the fourth quarter of program year four were \$1,303.94.

Evaluations: EM&V still in progress for Home Performance with Energy Star®

Relevant Cases: None

2013 Program Expenditures: Program Year April 1, 2012 – March 31, 2013; total amount budgeted for program year \$231,228 with \$75,000 of the budget forwarded to EIERA for low-income weatherization. Total amount of the non-low income weatherization budget spent \$91,293.

2014 Program Expenditures: Program Year April 1, 2013 – March 31, 2014; total amount budgeted for program year \$242,430 with \$75,000 of the budget forwarded to EIERA for low-income weatherization. Total amount of the non-low income weatherization budget spent \$50,768.

Natural Gas Utility: Summit Natural Gas
(formerly Southern Missouri Natural Gas and Missouri Gas Utility)

Prepared by: Henry Warren and Kory Boustead

Name and Description: Although there is no collaborative or advisory group, as a result of the small company rate case GR-2010-0347, Summit Natural Gas 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. That program expired December 31, 2012.

Summit Natural gas has filed for a rate increase and within the filing they are proposing a new energy efficiency program with a budget of \$15,000. That case was filed January 2, 2014, as Case No. GR-2014-0086.

Relevant Cases: GR-2014-0086

MO PSC CASE NO. AO-2011-0035
STATUS REPORT ON ENERGY EFFICIENCY
July 2014

UTILITY	PROGRAMS	BUDGET
Ameren Missouri Gas	Residential Natural Gas Energy Efficiency Home Energy Performance Pilot; Weatherization Program; Missouri Energy Efficient Natural Gas Equipment and Building Shell Measure Rebate Programs	<p>2013 Program Expenditures: \$325,620 from January 1, 2013 – December 31, 2013 out of a budget of \$700,000 per the Stipulation and Agreement in Case No. GR-2010-0363 with \$263,000 forwarded to the EI ERA for low-income weatherization.</p> <p>2014 Program Expenditures: \$700,000 per the Stipulation and Agreement in Case No. GR-2010-0363 with \$263,000 forwarded to the EI ERA for low-income weatherization.</p> <p>No program expenditures submitted for 1st quarter 2014 as of the time of this report.</p>
Laclede Gas Company	Weatherization Program; Residential High Efficiency Rebate Program; Residential Personal Energy Report and Online Energy Audit - Pilot Program; Residential Direct-Install Low Income Program; Building Operator Certification Program; Low-Income Energy Affordability Program;	<p>2013 Program Expenditures: Program Year October 1 2012 – September 30 2013, total amount budgeted for program year \$4,529,260 with 950,000 of the budget forwarded to EI ERA for low-income weatherization. Total amount of the non-low income budget spent was \$2,219,866 as of September 30, 2013.</p> <p>2014 Program Expenditures: Program Year October 1 2013 – September 30 2014, total amount budgeted for program year \$4,235,000 with 950,000 of the budget forwarded to EI ERA for low-income weatherization. Total amount of the non-low income weatherization budget spent was \$1,626,731 as of March 31, 2014.</p>
Missouri Gas Energy - A Division of Laclede Gas Company	Weatherization Program; Energy Efficiency Education Program; High-Efficiency Natural Gas Water Heating and Space Heating Incentive Program; Home Performance with Energy Star®;	<p>2013 Expenditures: Program Year was the Calendar Year; the total budget for program year was \$3,356,865 with \$750,000 for low-income weatherization. Total amount of the non-low income weatherization budget spent was \$2,221,673 as of December 31, 2013.</p> <p>2014 Program Expenditures: Program Year is the Calendar Year: the total budget is \$3,468,500, with \$750,000 for low-income weatherization. Total amount of the non-low income weatherization budget spent as of March 31, 2014 \$439,044.</p>

MO PSC CASE NO. AO-2011-0035
STATUS REPORT ON ENERGY EFFICIENCY
July 2014

Empire	Experimental Low Income Program; Low Income Weatherization Program; ENERGY STAR® Water Heater Program; ENERGY STAR® Space Heating Program; Home Performance with ENERGY STAR® Program; Large Commercial Natural Gas Audit and Rebate Program; Builder Operator Certification Program;	2013 Program Expenditures: Program Year April 1, 2012 – March 31, 2013; total amount budgeted for program year \$231,228 with \$75,000 of the budget forwarded to EIERA for low-income weatherization. Total amount of the non-low income weatherization budget spent \$91,293. 2014 Program Expenditures: Program Year April 1, 2013 – March 31, 2014; total amount budgeted for program year \$242,430 with \$75,000 of the budget forwarded to EIERA for low-income weatherization. Total amount of the non-low income weatherization budget spent \$50,768.
Liberty Utilities	Energy Conservation and Efficiency Program includes Customer Education, Residential Low Income Weatherization Assistance Program, High Efficiency Natural Gas Water heating and Space Heating Rebates, Energize Atmos Energy Homes, High Efficiency Natural Gas Water Heating and Space Heating Rebates (Pilot Program)	2013 Program Expenditures: Program Year September 1, 2012 – August 31, 2013; total amount budgeted for program year \$288,787 (0.5% of gross operating revenues) with \$105,000 of the budget forwarded to EIERA for low-income weatherization. Total amount of the non-low income weatherization budget spent \$174,034. 2014 Program Expenditures: Program Year September 1, 2013 – August 31, 2014; total budget is \$259,904 (0.5% of gross operating revenues) with \$105,000 being forwarded to EIERA for low-income weatherization.
Summit Natural Gas	No Low Income Weatherization or Energy Efficiency Programs at this time.	

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

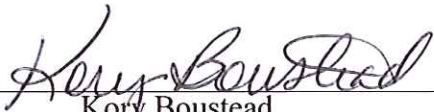
In the Matter of the Chairman's)
Request for A Status Report)
Regarding Energy Efficiency)
Advisory Groups and)
Collaboratives)

File No. AO-2011-0035

AFFIDAVIT OF KORY BOUSTEAD

STATE OF MISSOURI)
) ss
COUNTY OF COLE)

Kory Boustead, of lawful age, on oath states: that she participated in the preparation of the foregoing Status Report, to be presented in the above case; that the information in the Status Report was provided to her; that she has knowledge of the matters set forth in such Status Report; and that such matters are true to the best of her knowledge and belief.



Kory Boustead

Subscribed and sworn to before me this 10th day of July, 2014.





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 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, 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 10th day of July, 2014.





Notary Public

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

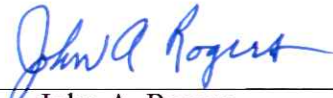
In the Matter of the Chairman's)
Request for A Status Report)
Regarding Energy Efficiency)
Advisory Groups and)
Collaboratives)

File No. AO-2011-0035

AFFIDAVIT OF JOHN A. ROGERS

STATE OF MISSOURI)
) ss
COUNTY OF COLE)

John A. Rogers, of lawful age, on oath states: that he participated in the preparation of the foregoing Status Report, 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 A. Rogers

Subscribed and sworn to before me this 10th day of July, 2014.





Notary Public

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

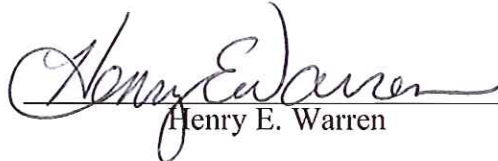
In the Matter of the Chairman's)
Request for A Status Report)
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File No. AO-2011-0035

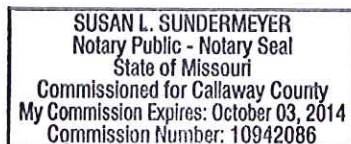
AFFIDAVIT OF HENRY E. WARREN

STATE OF MISSOURI)
) ss
COUNTY OF COLE)

Henry E. Warren, of lawful age, on oath states: that he participated in the preparation of the foregoing Status Report, 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 E. Warren

Subscribed and sworn to before me this 10th day of July, 2014.




Notary Public

**DSM Advisory Group Annual Report:
Programs' and Portfolio
Costs & Energy Savings**

**Utility: Ameren Missouri
Report Date: 02/28/14
Period: 01/02/13 - 12/31/13
Portfolio Start Date: 01/02/2013**

Programs' Costs (Recorded)	1ST QUARTER	2ND QUARTER	3RD QUARTER	4TH QUARTER	1ST YTD TOTAL
Standard	\$ 239,218	\$ 664,011	\$ 416,288	\$ 1,004,313	\$ 2,323,831
Custom	\$ 773,729	\$ 1,374,208	\$ 1,964,948	\$ 2,468,445	\$ 6,581,331
Retro-commissioning	\$ 124,245	\$ 62,708	\$ 60,339	\$ 73,343	\$ 320,635
New Construction	\$ 93,184	\$ 108,904	\$ 42,654	\$ 120,253	\$ 364,994
Business Subtotal	\$ 1,230,376	\$ 2,209,831	\$ 2,484,229	\$ 3,666,355	\$ 9,590,791
Lighting	\$ 1,138,006	\$ 1,184,551	\$ 2,284,706	\$ 2,469,950	\$ 7,077,214
Energy Efficient Products	\$ 201,071	\$ 146,948	\$ 404,954	\$ 640,039	\$ 1,393,012
HVAC	\$ 373,961	\$ 1,539,595	\$ 1,803,160	\$ 1,247,285	\$ 4,964,001
Refrigerator Recycling	\$ 174,274	\$ 289,879	\$ 333,465	\$ 261,165	\$ 1,058,783
Home Energy Performance	\$ -	\$ 31,755	\$ 86,431	\$ 63,683	\$ 181,869
New Homes	\$ 77,521	\$ 118,906	\$ 112,550	\$ 99,472	\$ 408,449
Low Income	\$ 492,935	\$ 977,602	\$ 1,330,865	\$ 1,017,486	\$ 3,818,888
Residential Subtotal	\$ 2,457,769	\$ 4,289,235	\$ 6,356,132	\$ 5,799,081	\$ 18,902,216
EM&V Subtotal	\$ 19,120	\$ 812,215	\$ 618,094	\$ 1,100,022	\$ 2,549,452
Portfolio Subtotal	\$ 1,409,309	\$ 755,539	\$ 551,143	\$ 673,951	\$ 3,389,943
Quarterly Total Program	\$ 5,116,574	\$ 8,066,821	\$ 10,009,598	\$ 11,239,409	\$ 34,432,402
Cumulative Total Program	\$ 5,116,574	\$ 13,183,395	\$ 23,192,993	\$ 34,432,402	

Programs' Energy Savings (MWh)	1ST QUARTER	2ND QUARTER	3RD QUARTER	4TH QUARTER	1ST YTD TOTAL
Standard	904	4,169	6,202	11,326	22,602
Custom	214	7,685	12,070	31,560	51,530
Retro-commissioning	0	0	316	0	316
New Construction	0	372	-214	10	168
Business Subtotal	1,119	12,227	18,374	42,897	74,616
Lighting	24,658	47,771	58,732	67,575	198,735
Energy Efficient Products	211	385	4,810	16,067	21,473
HVAC	1,164	6,924	11,872	7,917	27,876
Refrigerator Recycling	1,024	1,173	2,161	1,976	6,334
Home Energy Performance	2	72	175	179	428
New Homes	0	0	30	404	435
Low Income	832	1,778	2,321	2,541	7,472
Residential Subtotal	27,890	58,104	80,101	96,658	262,753
Quarterly Total Program (MWh)	29,008	70,331	98,475	139,555	337,368
Cumulative Total Program (MWh)	29,008	99,339	197,813	337,368	

* The financial information contained within this report is confidential and may contain immaterial revisions from other company financial statements.

**DSM Advisory Group Annual Report:
Programs' and Portfolio
Costs & Energy Savings**

**Utility: KCPL
Report Date: 05/02/14
Period: 01/01/13 - 12/31/13**

Programs' Costs (Recorded)
Air Conditioning Upgrade Rebate
Building Operator Certification
Business Energy Analyzer
Business Energy Efficiency Rebates - Custom
Business Energy Efficiency Rebates - Standard
Demand Response Incentive
ENERGYSTAR-Qualified New Homes
Home Energy Analyzer
Home Performance Rebate with ENERGYSTAR
Income-Eligible Weatherization
Programmable Thermostat
All Program Costs
Incremental All Programs' Costs
Cumulative All Programs' Costs
Residential Cumulative Program Costs
Commercial Cumulative Program Costs

1ST QUARTER	2ND QUARTER	3RD QUARTER	4TH QUARTER	1ST YTD TOTAL
HC				

Programs' Energy Savings (MWh)
Air Conditioning Upgrade Rebate
Building Operator Certification
Business Energy Analyzer
Business Energy Efficiency Rebates - Custom
Business Energy Efficiency Rebates - Standard
Demand Response Incentive
ENERGYSTAR-Qualified New Homes
Home Energy Analyzer
Home Performance Rebate with ENERGYSTAR
Income-Eligible Weatherization
Programmable Thermostat
Incremental Total Energy Savings (MWh)
Cumulative Total Energy Savings (MWh)
Residential Total Energy Savings (MWh)
Commercial Total Energy Savings (MWh)

1ST QUARTER	2ND QUARTER	3RD QUARTER	4TH QUARTER	1ST YTD TOTAL
151	695	676	263	1,785
	262		654	916
				0
9,270	4,003	8,784	5,836	27,894
129	38	102	178	446
				0
0	0	171	293	464
				0
				1,129
				118
				0
9,607	5,508	10,241	7,395	32,751
9,607	15,115	25,356	32,751	32,751
208	1,206	1,355	727	3,495
9,399	4,302	8,886	6,668	29,256

NP

**DSM Advisory Group Annual Report:
Programs' and Portfolio
Costs & Energy Savings**

Utility: KCPL GMO
Report Date: 04/02/14
Period: 01/27/13 - 12/31/13
Portfolio Start Date: 01/27/2013

Programs' Costs (Recorded)
Air Conditioning Upgrade Rebate
Building Operator Certification
Business Energy Analyzer
Business Energy Efficiency Rebates - Custom
Business Energy Efficiency Rebates - Standard
Demand Response Incentive
ENERGYSTAR-Qualified New Homes
Home Appliance Rebates
Home Appliance Recycling Rebate
Home Energy Analyzer
Home Energy Report Pilot
Home Performance Rebate with ENERGYSTAR
Income-Eligible Weatherization
Multi-Family Energy Efficiency Rebate
Programmable Thermostat
All Program Costs
To Be Classified
Incremental All Programs' Costs
Cumulative All Programs' Costs
Residential Cumulative Program Costs
Commercial Cumulative Program Costs

Programs' Energy Savings (MWh)
Air Conditioning Upgrade Rebate
Building Operator Certification
Business Energy Analyzer
Business Energy Efficiency Rebates - Custom
Business Energy Efficiency Rebates - Standard
Demand Response Incentive
ENERGYSTAR-Qualified New Homes
Home Appliance Rebates
Home Appliance Recycling Rebate
Home Energy Analyzer
Home Energy Report Pilot
Home Performance Rebate with ENERGYSTAR
Income-Eligible Weatherization
Multi-Family Energy Efficiency Rebate
Programmable Thermostat
All Program Costs
Incremental Total Energy Savings (MWh)
Cumulative Total Energy Savings (MWh)
Residential Total Energy Savings (MWh)
Commercial Total Energy Savings (MWh)

1ST QUARTER	2ND QUARTER	3RD QUARTER	4TH QUARTER	1ST YTD TOTAL
HC				

1ST QUARTER	2ND QUARTER	3RD QUARTER	4TH QUARTER	1ST YTD TOTAL
171	900	1,173	174	2,418
0	0	0	0	0
0	0	0	0	0
3,413	4,122	5,602	2,978	16,115
0	1,175	1,729	2,191	5,095
0	0	0	0	0
0	0	0	0	0
0	0	947	2,292	3,239
0	0	263	425	688
0	0	0	0	0
0	0	0	2,695	2,695
29	27	158	183	397
5	15	0	29	49
0	0	0	1	1
0	0	0	0	0
0	0	0	0	0
3,618	6,239	9,872	10,968	30,697
3,618	9,857	19,729	30,697	30,697
205	942	2,541	5,799	9,487
3,413	5,297	7,331	5,169	21,210

NP

**DSM Advisory Group Annual Report:
Programs' and Portfolio
Costs & Energy Savings**

**Utility: Empire District Electric
Report Date: 02/25/14
Period: 01/02/13 - 12/31/13**

Programs' Costs (Recorded)	1ST QUARTER	2ND QUARTER	3RD QUARTER	4TH QUARTER	YTD TOTAL
ENERGY STAR® New Homes Program	\$ 61,666	\$ 40,763	\$ 97,600	\$ 81,000	\$ 281,029
High Efficiency AC Rebate Program	\$ 32,516	\$ 69,639	\$ 72,984	\$ 30,815	\$ 205,953
Home Performance with ENERGY STAR® Program	\$ 11,466	\$ 9,526	\$ 400	\$ 1,600	\$ 22,992
Low-Income New Homes	\$ 1,372	\$ -	\$ -	\$ -	\$ 1,372
Low-Income Weatherization	\$ 26,723	\$ 32,366	\$ 40,170	\$ 92,019	\$ 191,278
Building Operator Certification	\$ -	\$ -	\$ -	\$ -	\$ -
Commercial & Industrial Rebate Program	\$ 158,176	\$ 67,239	\$ 111,793	\$ 170,586	\$ 507,794
Incremental All Programs' Costs	\$ 291,919	\$ 219,533	\$ 322,947	\$ 376,020	\$ 1,210,418
Cumulative All Programs' Costs	\$ 291,919	\$ 511,451	\$ 834,398	\$ 1,210,418	

Programs' Energy Savings (MWh)	1ST QUARTER	2ND QUARTER	3RD QUARTER	4TH QUARTER	YTD TOTAL
ENERGY STAR® New Homes Program	78	52	209	185	524
High Efficiency AC Rebate Program	88	222	164	90	563
Home Performance with ENERGY STAR® Program	25	4	2	5	36
Low-Income New Homes	1	0	0	0	1
Low-Income Weatherization	27	35	34	74	170
Building Operator Certification					
Commercial & Industrial Rebate Program	1,652	1,025	982	1,127	4,785
Incremental Total Energy Savings (MWh)	1,871	1,338	1,390	1,481	6,080
Cumulative Total Energy Savings (MWh)	1,871	3,209	4,600	6,080	