

Status Report

AO-2011-0035

September 15, 2010

**** Denotes Non-Proprietary Information ****

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Status Report on EE Advisory Groups & Collaboratives (File No. AO-2011-0035)

Prepared by: John Rogers and Hojong Kang

Date: September 15, 2010

Electric Utility: AmerenUE

Name and Description: AmerenUE Demand-Side Management (DSM) Quarterly Stakeholder Group is an advisory group ordered and approved in stipulation and agreements for AmerenUE Resource Plans (RP) in File Nos. EO-2006-0240 and EO-2007-0409

Meetings: Quarterly at AmerenUE offices for 4 – 5 hours with optional teleconference

Participants:

- Regular: AmerenUE, Missouri Public Service Commission (Staff), Office of Public Council (OPC), Missouri Department of Natural Resources (MDNR), Missouri Industrial Energy Consumers (MIEC), Great Rivers Environmental Law
- Occasional: Laclede Gas, Community Action Agencies
- Consultants: Lockheed Martin, PA Consulting, Honeywell Utility Solutions, Global Energy Partners, The Brattle Group, Momentum Market Intelligence, Washington University, Cadmus Group, ADM Associates

Programs Summaries: See Attachment A.

Effectiveness of Participants: AmerenUE encourages participation and critical feedback. All participants freely express their points of view and provide advice. The meetings are efficient and effective overall. AmerenUE's consultants provide valuable input during many stakeholder meetings.

Success Stories: Commercial programs have been implemented as planned; AmerenUE market potential study with primary data and customer psychographics; and advisory group participation level.

Challenges: Under current regulation, the Company does not appear to value demand-side resources on an equivalent basis with supply-side resources as evidenced by ongoing delays in implementation of some of the planned residential demand-side resource. Very low participation rate for terminated Residential Multi-Family program. Terminated initial administrator of residential programs after six months of Residential Energy Efficiency tariff's initial approval. Measurement of energy savings for market transformation Lighting and Appliance program will be very difficult.

Summary Comments: \$42.4 million has been allocated to programs under the Business Energy Efficiency tariff through September 30, 2011 with \$8.9 million expended through June 30, 2010. \$42.7 million has been allocated to programs under the Residential Energy Efficiency tariff through September 30, 2011 with \$11.2 million expended through June, 30, 2010. Additional expenditures through June 30, 2010 include: \$1,069,000 for information program, \$1,472,000 for AmerenUE portfolio administration, and \$1,039,000 for EM&V.

Status Report on EE Advisory Groups & Collaboratives (File No. AO-2011-0035)

Prepared by: John Rogers and Hojong Kang

Date: September 15, 2010

Electric Utility: Kansas City Power & Light (KCPL)

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

Meetings: Combined KCPL CPAG and KCP&L Greater Missouri Operations Company (GMO) Advisory Group meetings are held every 2-3 months alternating meetings in person in Jefferson City and via teleconference.

Participants:

- Regular: KCPL, Staff, OPC, MDNR, City of Kansas City, The Empire District Electric Company (Empire)
- Occasional: Praxair, Inc., MIEC

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 meetings are efficient and effective overall.

Success stories: KCPL reported at the August 23, 2010 CPAG meeting that the spending targets in KCPL Experimental Regulatory Plan in File No. EO-2005-0329 are being reached and that KCPL management is considering what to do when the spending targets are reached. Staff plans to raise this issue with KCPL management during the next quarterly meeting on status of Experimental Regulatory Plan. KCPL has used the CPAG process to effectively solicit and receive CPAG members' input and advice when appropriate. CPAG has become a sounding board for issues related to the KCPL Smart Grid demonstration project.

Challenges: KCPL formally advised the Commission on February 3, 2010 (File No. EE-2008-0034) that KCPL has determined that it is appropriate to scale back its demand-side resource programs in the earlier years of its adopted preferred resource plan due to a reduction in the load forecast, primarily attributable to the unprecedented economic recession that has affected both customer and energy growth in its service territory. This "scale back" does not impact the current energy efficiency and demand-side response programs established in the Experimental Regulatory Plan.

Summary comments: Overall spending levels and performance of demand-side programs have met expectations established in the Experimental Regulatory Plan, Case No. EO-2005-0329 (Comprehensive Energy Plan). Through June 30, 2010 the budget for all KCPL demand-side

programs is \$24,001,009 and the actual expenditures for this period are \$27,442,517 or 14% greater than budget.

Status Report on EE Advisory Groups & Collaboratives (File No. AO-2011-0035)

Prepared by: John Rogers and Hojong Kang

Date: September 15, 2010

Electric Utility: KCP&L Greater Missouri Operations Company (GMO)

Name and Description: GMO Advisory Group provides 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: Combined GMO Advisory Group and KCPL CPAG meetings are held every 2-3 months alternating meetings in person in Jefferson City and via teleconference

Participants:

- Regular: GMO, Staff, OPC, MDNR, Empire
- Occasional: Praxair, Inc., MIEC
- Consultants: n/a

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 had limited demand-side programs prior to its acquisition by Great Plains Energy. However, since its acquisition by Great Plains Energy, demand-side programs consistent with KCPL's programs have been successfully implemented in the GMO service territory. Having combined GMO Advisory Group and KCPL CPAG meetings has proven to be a very efficient and effective way for stakeholders to provide advice on all KCPL and GMO demand-side programs.

Challenges: GMO is still learning about its customers' behavior toward and preferences for demand-side programs.

Summary comments: Through June 30, 2010 the budget for all GMO demand-side programs is \$12,036,668 and the actual expenditures for this period are \$10,564,587 or 12% less than budget.

Status Report on EE Advisory Groups & Collaborative (File No. AO-2011-0035)

Prepared by: John Rogers and Hojong Kang

Date: September 15, 2010

Electric Utility: The Empire District Electric Company

Name and Description: Customer Programs Collaborative (CPC) was ordered and approved on August 2, 2005 as part of a stipulation and agreement in File No. EO-2005-0263 (Approval of an Experimental Regulatory Plan). Each CPC member has equal voting rights when decisions are made related to: customer programs objectives development; consultant selection; design, screening and pre-implementation evaluation of potential customer programs; customer program portfolio choice; and post-implementation evaluation of customer programs.

Meetings: Stipulation and agreement in File No. EO-2005-0263 requires CPC meetings at least once every six months or as needed. The Second Stipulation and Agreement as to Certain Issues in File No. ER-2008-0093 ordered meetings quarterly. Meetings occur by phone conference quarterly.

Participants:

- Empire, Staff, OPC, MDNR, Praxair and Explorer Pipeline Company are designated members in stipulation and agreement approved on August 2, 2005 in File No. EO-2005-0263
- Regular: Empire, Staff, OPC and MDNR
- Occasional: Praxair, Explorer Pipeline Company
- Consultants: n/a

Programs summaries: See Attachment D.

Effectiveness of Participants: Empire encourages participation and critical feedback from CPC members. Votes are taken whenever required by the stipulation and agreement in File No. EO-2005-0263. All participants freely express their points of view and provide advice. The meetings are efficient and effective overall.

Success stories: All programs in the approved preferred resource plan have been implemented per the implementation plan. CPC has functioned well and has made timely changes to program designs as a result of lessons learned and evaluation, measurement and verification reports.

Challenges: Empire is still learning about its customers' behavior towards and preferences for demand-side programs.

Summary comments: Empire has budgeted a total of \$1,541,600 for demand-side programs in 2010. This amount is 0.44% of the \$351,484,958 Missouri jurisdictional rate revenue in ER-2010-0130 general rate case order.

Status Report on EE Advisory Groups & Collaboratives (File No. AO-2011-0035)

Prepared by: Henry Warren, Lesa Jenkins, and Mike Stahlman

Date: September 15, 2010

Gas Utility: AmerenUE

Name and Description: AmerenUE Natural Gas Collaborative is a stakeholder group ordered in stipulation and agreements for AmerenUE Case Nos. GR-2003-0517 and GR-2007-0003.

Meetings: Quarterly Meetings Usually by Conference Call two hours.

Participants:

- Regular: AmerenUE, Staff, OPC, MDNR
- Consultant: Consortium for Energy Efficiency (CEE)

Program Summaries: See Attachment D.

Effectiveness of Participants: Working relationship has been a positive force for the development, implementation, and evaluation of weatherization and energy efficiency programs in jurisdictional utilities. Just as in rate cases, each of the participants will have a justified but sometimes countervailing position on various case components, so in the energy efficiency collaboratives the stakeholders will bring different ideas to the meetings. Most of the time, the energy efficiency collaborative can mutually agree on how to progress.

Success Stories: Residential programs

Challenges: Identifying keys to penetrating the Commercial/Industrial Market.

Summary Comments: AmerenUE has experienced an increase in the number of participants in its residential programs in recent years. The collaborative has re-allocated funds to meet this increased participation. This has been achieved through promotion of the program to Heating, Ventilation, and Air Conditioning (HVAC) contractors in their service areas. These contractors are often the first contact a utility customer has when they need to replace a heating system or water heater. When the contractor makes the customer aware of a rebate for an Energy Star® rated appliance they have information at the point of purchase to take advantage of the rebate. A budget of up to \$100,000 annually has been collected in rates for programs under the Missouri Energy Efficient Natural Gas Equipment Rebate Program tariff through December 31, 2010 **

** The current budget is \$325,176.00 due to carryover of funds from previous years and other discontinued programs. A budget of \$227,623.00 was designated for Residential Energy Efficiency tariff through December 31, 2010 **

** A budget of \$65,035.00 was designated for Commercial Energy Efficiency tariff through December 31, 2010 **

Status Report on EE Advisory Groups & Collaboratives (File No. AO-2011-0035)

Prepared by: Henry Warren, Lesa Jenkins, and Mike Stahlman

Date: September 15, 2010

Gas Utility: Atmos Energy

Name and Description: The Energy Efficiency Advisory Group is an advisory, rather than a consensus, group ordered in the stipulation and agreements for Atmos Case No. GR-2010-0192. This group began and was previously operated as a collaborative as ordered from GR-2006-0387.

Meetings: Quarterly either in person or by conference-call.

Participants:

- Regular: Atmos, Staff, OPC, MDNR

Program Summaries: See Attachment E.

Effectiveness of Participants: The participants have functioned effectively to develop appropriate programs.

Success stories: In 2010 through August 75% of the budgeted rebates for Residential programs had been paid out so it is likely that the budget for rebates will be met or exceeded.

Challenges: Identifying keys to penetrating the Commercial/Industrial Market.

Summary comments: In 2010 Atmos is expanding its programs from weatherization, education, and online energy optimizing software, to include rebates on Energy Star® water heaters and furnaces. As a result of Case No. GR-2010-0192 the Collaborative became an Advisory Group.

Status Report on EE Advisory Groups & Collaboratives (File No. AO-2011-0035)

Prepared by: Henry Warren, Lesa Jenkins, and Mike Stahlman

Date: September 15, 2010

Gas Utility: The Empire District Gas Company

Name and Description: DSM Advisory Group is an advisory group ordered in stipulation and agreements for Empire case no. GR-2009-0434. The origin of this group is from the Aquila Gas Weatherization and Low Income Program in Case No. GR-2004-0072.

Meetings: At least twice a year.

Participants:

- Regular: Empire, Staff, OPC, and MDNR

Programs Summaries: See Attachment F.

Effectiveness of Participants:

Success stories: The Aquila Gas Weatherization and Low Income Program in case no. GR-2004-0072 did not attract an adequate number of participants. The Empire Gas Company programs were put in place last year and their effectiveness has not been determined.

Challenges: To promote programs in the The Empire District Gas Company service areas and overcome the lack of success of previous programs.

Summary comments: The collaborative has been effective in developing new programs.

Status Report on EE Advisory Groups & Collaborative (File No. AO-2011-0035)

Prepared by: Lesa Jenkins, Henry Warren, and Mike Stahlman

Date: September 15, 2010

Natural Gas Utility: Laclede Gas Company (Laclede)

Name and Description: The Energy Efficiency Collaborative (EEC) is a stakeholder group ordered in stipulation and agreements for Laclede Case Nos. GR-2005-0284, GR-2007-0208, and GR-2010-0171.

Meetings: EEC participants discuss quarterly status reports, existing programs, and new programs or potential modifications to existing programs. Conference calls are held every 4-8 weeks, with a duration time of 2-3 hours.

Participants:

- Regular: Laclede, Staff, OPC, MDNR
- Occasional: USW Local 11-6 (initial program planning meetings), AmerenUE (electric) for coordination of natural gas and electric programs
- Consultants/Contractors: Applied Energy Group, Inc. (AEG), Energy Federation Incorporated (EFI), Engineering Software International (ESI), DataRaker, Adamson Advertising, Computab, Questline

Programs Summaries: See Attachment G.

Effectiveness of Participants: The regular participants provide questions to understand program status and offer feedback. To make the meetings/conference calls as productive as possible, Laclede began in April 2010 sending an Agenda prior to each EEC conference call and, after the call, sending minutes.

Success stories: Rebates for residential high efficiency heating systems are exceeding target level. Commercial/industrial rebates have been expanded.

Challenges:

- Developing programs that encourage energy efficiency for residential customers in multi-family housing.
- Expanding programs and participation to achieve increased target funding level.
- Effectively marketing EE program opportunities for both gas and electric

Summary comments: In the recent rate case, GR-2010-0171, total funding for energy efficiency programs, including Low-Income Weatherization Assistance Program (LIWAP), was increased from a target of approximately \$2.3 million per year, to a target of 0.5% of the annual average of Laclede's gas operation revenues including cost of gas.

Status Report on EE Advisory Groups & Collaborative (File No. AO-2011-0035)

Prepared by: Henry Warren, Lesa Jenkins, and Mike Stahlman

Date: September 15, 2010

Gas Utility: Missouri Gas Energy (MGE)

Name and Description: The EEC is a stakeholder group ordered in Case No. GR-2009-0355.

Meetings: At least Quarterly in person or by tele-conference.

Participants:

- Regular: Empire, Staff, OPC, MDNR
- AEG Consultants

Programs Summaries: See Attachment H.

Effectiveness of Participants: The Collaborative was established in Case No. GT-2008-0005 as a result of OPC filing a motion to suspend to the compliance tariff filing in GR-2006-0422 because of the size of the rebate offered on tank water heaters. One of the guidelines establishing the collaborative was the requirement of consensus for implementing energy efficiency programs. The appropriate size of the rebates has been an ongoing point of contention.

Success stories: MGE has implemented a broad range of measures and is cooperating with the Metropolitan Energy Center and KCPL on some energy efficiency programs. A proposal is being developed for an evaluation of the energy efficiency programs.

Challenges: Reaching consensus on programs and rebates.

Summary comments: MGE had a weatherization collaborative that was successful in developing a system-wide weatherization program. The energy efficiency collaborative has had more points of disagreement but several programs are now in place.

Status Report on EE Advisory Groups & Collaborative (File No. AO-2011-0035)

Prepared by: Henry Warren, Lesa Jenkins, and Mike Stahlman

Date: September 15, 2010

Gas Utility: Southern Missouri Natural Gas (SMNG)

Name and Description: As a result of an OPC complaint, Case No. GC-2006-0180, programs offering rebates for more efficient water heaters and furnaces for residential and commercial customers were implemented by a collaborative including Staff, OPC.

Meetings: Inactive

Participants: SMNG, Staff, and OPC

Programs Summaries: See Attachment I.

Effectiveness of Participants: Programs were developed that were satisfactory to the collaborative members.

Success stories: This resulted in SMNG being able to promote energy efficient appliances to current and new customers.

Challenges: SMNG faced significant competition from Propane dealers and Electric Cooperatives offering rebates for water heaters and space heating equipment. SMNG has no jurisdictional electric utilities in its service area, so promotional practice was not an issue.

Summary comments: SMNG terminated the program December 31, 2008.

Attachment A
is Highly Confidential
In Its Entirety

Attachment B
is Highly Confidential
In Its Entirety

Attachment C
is Highly Confidential
In Its Entirety

Attachment D – The Empire District Electric Company Program Summaries

Program	Description	Term	Budget	Comments
Residential CFL	Distribute 37,177 free CFLs in program year 5	10/14/2005 – 12/31/2010	\$158,347 for program year 5, 2010	\$79,174 spent in first 6 months of 2010
Low-Income Weatherization	Weatherize 125 low-income homes annually	9/5/2006 – 9/30/2011	\$218,510 for program year 4	Met/exceeded goals last 2 years
Low-Income New Homes	Incentives to upgrade efficiency of 10 homes annually	4/4/2007 – 4/3/2012	\$11,550 for program year 3	Only 2 homes upgraded and \$864 spent in program year 3
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 – 5/30/2012	\$379,500 for program year 4	40 participants and \$23,833 spent for first month in program year 4
Building Operator Certification	Certify 20 building operators annually	2/21/2008 – 1/31/2013	\$36,850 for program year 3	\$14,903 spent in program year 2 to certify 9 building operators
Energy Star® New Homes	Incentives of up to \$400 to home energy raters (HERs) or up to \$800 TO builders	4/20/2009 – 3/31/2014	\$246,400 for 218 rebates in program year 2	\$4,616 and 7 rebates during first 2 months of program year 2
Home Performance with Energy Star®	Rebates for home energy audits and energy efficiency measures	8/28/2009 – 8/31/2014	\$54,500 for program year 1	\$6,610 spent on 16 homes during first 10 months of program year 1
C&I Facility Rebate	Rebates for energy efficiency measures	5/7/2007 – 4/30/2012	\$412,500 for 125 participants for program year 4	\$83,708 spent on 12 facilities during first 2 months of program year 4

Attachment D – AmerenUE Gas Program Summaries

Program	Description	Term	Budget	Comments
<u>Residential</u>	Fixed incentives for eligible measures	Initiated 2004 Current Programs Jan – Dec 2010	\$227,623.00 (For CY 2010)	** _____ _____ _____**
Programmable Thermostat	\$25 or 50%			** _____ _____**
NG Furnace	\$200 or 50% for AFUE 90%-94.9%, \$300 or 50% for AFUE > 95%			** _____ _____ _____**
NG Boiler	\$200 or 50% for AFUE >85%			** _____ _____**
NG Tanked Water Heater	\$50 or 50% for Energy Star® qualified			** _____ _____**
NG Tankless Water Heater	\$200 or 50% for Energy Star® qualified			** _____ _____**
Home Audit Improvements	\$500 or 50% of measure cost recommended from energy audit.			** _____ _____**
<u>Commercial</u>	Fixed incentives for eligible measures	Jan – Dec 2010	\$65,035.00 (For CY 2010)	** _____ _____ _____**
Programmable Thermostat	\$40 or 50%, limit 2			** _____ _____**
NG Furnace (<150K BTU)	\$200 or 50% for AFUE 90%-94.9%, \$300 or 50% for AFUE > 95%			** _____ _____ _____**
NG Food Service Fryer	\$350 or 50% for Energy Star® qualified.			** _____ _____**
Twelve other commercial rebates	Various			** _____ _____**
<u>Marketing</u>		Jan – Dec 2010	\$32,518.00 (For CY 2010)	** _____ _____ _____**

Attachment E – Atmos Energy Program Summaries

Program	Description	Term	Budget	Comments
<u>Residential</u>	Fixed incentives for eligible measures	Inception 2007 Current Programs Sept 1, 2010	\$60,000 moving towards 0.5% of annual total revenues	
Programmable Thermostat	\$25	11/1/09 -		
NG Furnace	\$250 for Energy Star®	11/1/09 -		
NG Boiler	\$250 for Energy Star®	11/1/09 -		
Combination Space and Water Heating System	\$450 for Energy Star®	11/1/09 -		
NG Tanked Water Heater	\$50 for Energy Star®	11/1/09 -		
NG Tankless Water Heater	\$200 for Energy Star®	11/1/09 -		
Customer Education	Schools and Online energy conservation software	08/31/07 -	\$5,000	

Attachment F – The Empire District Gas Company Program Summaries

Program	Description	Term	Budget	Comments
Residential or Small Commercial Water Heater Program	\$75 (\$200) for Energy Star® Tanked (Tankless) NG Water Heaters		\$28,500 (For CY 2010)	
Residential or Small Commercial Space Heating Program	\$200 for applicable Energy Star® systems, \$25 per thermometer purchased with system		\$51,750 (For CY 2010)	
Residential Home Owner Program	\$25 toward assessment; 50% of insulation cost recommended by Assessment with a max rebate per customer of \$400		\$25,250 (For CY 2010)	
Large Commercial Audit and Rebate Program	Prescriptive rebates for various Energy Star® products, Custom Rebates for measures with a Societal Benefit/Cost Test result of 1.0 or higher, Up to 50% of Audit costs.		\$40,000 (For CY 2010, Max rebate of \$3,000 per customer)	Tariff Sheet No. 51-k states listing of prescriptive rebates may be found on Company's website, but none of the rebates listed were applicable to gas.
Building Operator Certification Program	Tuition cost reimbursement of 50% of registration cost per certification level		\$4,775 (For CY 2010)	

Attachment G – Laclede Gas Program Summaries

Program	Description	Term (current Tariff)	Budget	Comments
All Programs		Current FY 8/1/2010 – 7/31/2011	A target moving towards 0.5% of the annual average of Laclede’s gas operation revenues including cost of gas	Previous target: approximately \$2.3 million per year, including Low- Income Weatherization Assistance Program
Low-Income Weatherization Assistance Program (LIWAP)	For Laclede residential natural gas heating customers meeting income eligibility guidelines of the DOE/DNR LIWAP	8/1/2007	\$950,000 Annually (included in total above)	Funds forwarded annually to DNR for administration in conjunction with federal DOE LIWAP funding. Tariff Sheet No. R-44
Non-Rebate Programs	Includes market transformation and education and online energy information and audit	9/18/2008		As described in Laclede Gas Company and Energy Efficiency Collaborative Energy Efficiency Program Portfolio report dated 9/18/2008
Non-Rebate Financing Programs	Insulation Financing for residential customers. EnergyWise Dealer Program for residential and commercial customers to finance purchase and installation of high efficiency natural gas heating equipment (& air conditioner if desired)	8/8/2002 – 5/31/97 -		Tariff Sheet Nos. R- 27, R-28, R-37, R- 38,
Res. Programmable Thermostat	\$25 for Energy Star®, limit 2; owners of multiple individually meteed dwelling units limited to 50/year.	3/20/2010 -		Tariff Sheet No. R- 45

Attachment G – Laclede Gas Program Summaries (Continued)

Res. NG Furnace	\$150 for AFUE 92%-96%, \$200 for AFUE > 96%, limit 2; owners of multiple individually metered dwelling units limited to 50/year	3/20/2010 -		Tariff Sheet No. R-45
Res. NG Boiler	\$150 for AFUE >90%, limit 2; owners of multiple individually metered dwelling units limited to 50/year	3/20/2010 -		Tariff Sheet No. R-45
Commercial Programs	Fixed incentives for eligible measures, custom and audit rebates.			
Comm. Programmable Thermostat	\$40 for Energy Star®	3/20/2010 -		Tariff Sheet No. R-46
Comm. NG Furnace	\$200, for AFUE 92% to less than 94%. \$250, for AFUE greater than or equal to 94%.	3/20/2010 -		Tariff Sheet No. R-46
Comm. Continuous modulating burner	Lower of 25% of equipment cost or \$15,000 per burner,	3/20/2010 -		Tariff Sheet No. R-46
Comm. Gas-fired boiler tune up	Non-profit customers: Lower of 75% of equipment cost or \$750/boiler Other customers: Lower of 50% of equipment cost or \$500/boiler	3/20/2010 -		Tariff Sheet No. R-46
Comm. Steam Trap Replacement	Up to 25 failing units/program year. Lower of 50% of cost or \$2,500 total.	3/20/2010 -		Tariff Sheet No. R-46-a
Comm. Vent Damper	Lower of 50% of equipment cost or \$500/boiler	3/20/2010 -		Tariff Sheet No. R-46-a
Comm. Primary Air Damper	Lower of 50% of equipment cost or \$500/boiler	3/20/2010 -		Tariff Sheet No. R-46-a

Attachment G – Laclede Gas Program Summaries (Continued)

Comm. Food service gas steamer	Energy Star® Qualified. Lower of 50% of equipment cost or \$475	3/20/2010 -		Tariff Sheet No. R-46-a
Comm. Food service gas fryer	Energy Star® Qualified. Lower of 50% of equipment cost or \$475	3/20/2010 -		Tariff Sheet No. R-46-a
Comm food service convection gas oven	Energy Star® Qualified. Lower of 50% of equipment cost or \$200	3/20/2010 -		Tariff Sheet No. R-46-a
Comm. Kitchen low flow spray was nozzle	Lower of 50% of equipment cost or \$100. GPM rating of 1.6 or less. Maximum of 2 nozzles.	3/20/2010 -		Tariff Sheet No. R-46-a
Comm. Custom Rebates	Measures with a Societal Benefit/Cost Test result of 1.0 or higher; rebate will be the lesser of (1) a buy down to a two year payback or (2) \$6.63 per MCF saved during the first year. Varying cap on rebate per tariff.	3/20/2010 -		Tariff Sheet No. R-47
Comm. Audit	Non-profit: Lower of 75% of cost or \$600 to \$750 depending on building size. All other: Lower of 50% of cost or \$375 to \$500 depending on building size. For customers with more than one building, limit 3 rebates/program year. Must implement one or more qualifying measure.	3/20/2010 -		Tariff Sheet No. R-47
Building Operator Certification Program	Rebates varying from 25% to 50% of tuition.	3/30/2009		R-48

Attachment H – Missouri Gas Energy Program Summaries

Program	Description	Term	Budget	Comments
Residential	Fixed incentives for eligible measures		A target moving towards 0.5% of annual total revenues	
Programmable Thermostat	\$25 if purchased with space heating system	04/03/07 -		** _____ **
NG Furnace	\$200 for Energy Star®	04/03/07 -		** _____ **
NG Boiler	\$200 for Energy Star®	04/03/07 -		** _____ **
Combination Space and Water Heating System	\$450 for Energy Star®	04/03/07 -		** _____ **
NG Tanked Water Heater	\$40 for Energy Star®	04/03/07 -		** _____ **
NG Tankless Water Heater	\$200 for Energy Star®	04/03/07 -		** _____ **
Home Performance with Energy Star®	Customers implementing at least 1 of the recommended qualifying improvements may request a full rebate of the Assessment Cost (Cost range \$300 - \$500).	11/06/08 -		** _____ **

Attachment I – Southern Missouri Natural Gas Program Summaries

Program	Description	Term	Budget	Comments
All Programs		May 12, 2006 – December 31, 2008	Estimated \$10,000 - \$20,000 annually, company funded.	Program a result of GC-2006-0180
Residential, commercial, and builder, developer, or subcontractor NG Furnace	\$250 for Energy Star®			
Residential or commercial NG Water Heater	\$40 if replacing a more inefficient natural gas water heater, \$100 if replacing a more inefficient electric water heater.			
Builder, developer, or subcontractor NG Water Heater	\$150 for installing a more efficient natural gas water heater.			

Attachment J - Background on Advisory Groups and Collaboratives

The collaborative format for energy efficiency (EE) and demand-side management programs for regulated energy utilities had its formative stages in natural gas rate cases in which ratepayer funds from jurisdictional natural gas Local Distribution Companies (LDCs) were made available to support the weatherization of at-risk qualified customers. The ratepayer funds were supplemental to the weatherization program administered by the MDNR and funded by the Department of Energy (DOE). The OPC was the primary advocate for this initial ratepayer funding.

The first LDC to supplement MDNR's weatherization program was Laclede Gas as a result of a Stipulation and Agreement in its 1992 rate case, File No. GR-92-165. Subsequently Western Resources (predecessor of MGE) in a Stipulation and Agreement approved in File No. GR-93-240, and Union Electric Gas (UE subsequently became AmerenUE) in File No. GR-97-393 began including ratepayer funding to supplement weatherization for qualified customers. The gas collaboratives for EE programs other than low-income weatherization began with the AmerenUE gas rate case, File No. GR-2003-0517, which provided that Staff, OPC, and DNR along with AmerenUE would develop *the implementation detail* for the EE programs.

The first electric collaborative for EE programs was formed as result of the Stipulation and Agreement in the AmerenUE complaint case, File No. EC-2002-1. As a part of the Stipulation and Agreement, \$4 million one-time and \$1 million per year were to be spent on EE programs for residential and commercial customers. Although no official parameters were set regarding this collaborative in the stipulation and agreement, the generally accepted rules were that no EE program would be implemented unless all members of the collaborative agreed on how its program funding was to be spent.

The next electric EE advisory group was agreed to as part of the Kansas City Power & Light Company (KCPL) regulatory plan (File No. EO-2005-0329). KCPL had included several EE programs as a part of the regulatory plan that it proposed. The advisory group, CPAG, was designated in the regulatory plan to oversee the screening and implementation of the demand-side¹ programs proposed by KCPL.


Soon after the creation of the CPAG, an EE collaborative, known as the CPC was agreed to as part of the Empire regulatory plan in Stipulation and Agreement (File No. EO-2005-0263). Empire had not screened and did not propose any demand-side programs in its regulatory plan. The role of the CPC is to oversee the development, implementation monitoring and evaluation of Empire's affordability, EE and demand response programs.

GMO, when it was Aquila, Inc. also began to have meetings regarding demand-side programs with various stakeholders in 2004.

The Empire collaborative, the CPC, is the only electric utility collaborative where the members have voting rights. If two or more members of the collaborative do not vote in favor of an action, it cannot be done.

¹ Demand-side programs encompass both energy efficiency and demand response programs.




Notary Public

Rikki Sam
Notary Public

