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SECRETARY OF COMM

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March 31, 2011

Ms. Jan Sanders  
Secretary to the Commission  
Arkansas Public Service Commission  
P.O. Box 400  
Little Rock, AR 72203

Re: APSC Docket No. 08-049-RP  
Annual Report of Approved Conservation and Energy  
Efficiency Programs  
Oklahoma Gas and Electric Company

Dear Ms. Wilson:

Please find enclosed for filing on behalf of Oklahoma Gas and Electric Company ("OG&E") the annual report (Arkansas Energy Efficiency Portfolio) for the Quick Start Energy Efficiency Program. This annual report is being filed pursuant to the provisions of Section 9 of the Commission's Rules for Conservation and Energy Efficiency Programs approved in Docket No. 06-004-R.

Should you have any questions regarding this matter, please do not hesitate to contact me.

Yours very truly,

CHISENHALL, NESTRUD & JULIAN, P.A.

/s/ Lawrence E. Chisenhall, Jr.

Lawrence E. Chisenhall, Jr.

LEC:am  
Enclosures

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**OKLAHOMA GAS  
and  
ELECTRIC COMPANY**

**2010 Arkansas Energy  
Efficiency Program  
Portfolio Annual Report**

Section 9: Annual Reporting Requirements, and Order No. 18  
in Docket No. 07-075-TF.  
Version 1.2 October 29, 2010

**March 31, 2011**



March 31, 2011

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# 1.0 EXECUTIVE SUMMARY





# Executive Summary

The Arkansas Energy Efficiency Program Portfolio Annual Report is provided to the Arkansas Public Service Commission (“APSC”) as the annual report of the Oklahoma Gas and Electric Company (“OG&E”) referred to as the Comprehensive Energy Efficiency Program and results pursuant to Order 18 of Docket No. 06-004-R. In the OG&E Application, Docket No. 07-075-TF, OG&E proposed to initiate six Comprehensive Energy Efficiency Programs and subsequently received approval by order #4. The individual programs are described and defined in section 3.0 of this document.

OG&E began implementation of the Energy Efficiency Program in October 2007. The initial program was the Quick-Start program launched with seven programs and ran from October 2007 through December 2009. The Comprehensive program was approved on February 3, 2010, with six programs for the period of January 2010 through June 2011.

- OG&E completed the Quick-Start program in December 2009 and achieved approximately 1,600 kW from the programs.
- After the first year of the Comprehensive Energy Efficiency Programs, OG&E achieved more than 1,300 kW during the first year.

OG&E uses Deemed Savings, Data and Reporting Program information and Stipulated Savings to evaluate and monitor the individual program results. Concurrently, OG&E successfully designed and tested its evaluation, measurement and verification processes, which enabled the company to accurately report energy savings.

## Company Statistics

Program Year	Revenue and Expense						Energy					
	Budgeted			Actuals			Budgeted			Actuals		
	(\$000's)			(\$000's)			MWh			MWh		
	Total Revenue	EE Program Spending	% of EE Spending to Revenue	Total Revenue	EE Program Spending	% of EE Spending to Revenue	Total Annual Energy Sales	EE Annualized Energy* Savings	Savings as % of Energy Sales	Total Annual Energy Sales	EE Annualized Energy* Savings	Savings as % of Energy Sales
2008	\$ 238,611	\$ 385	0.2%	\$ 211,344	\$ 323	0.2%	4,126,501	21,399	0.5%	3,655,529	24,402	0.7%
2009	\$ 277,835	\$ 421	0.2%	\$ 177,311	\$ 352	0.2%	3,956,345	42,798	1.1%	3,411,789	56,109	1.6%
2010	\$ 223,389	\$ 1,364	0.6%	\$ 223,501	\$ 1,279	0.6%	3,629,139	2,667	0.1%	3,783,742	4,143	0.1%

\*Annualized Energy - this is the annualized energy savings derived from the lifetime savings.

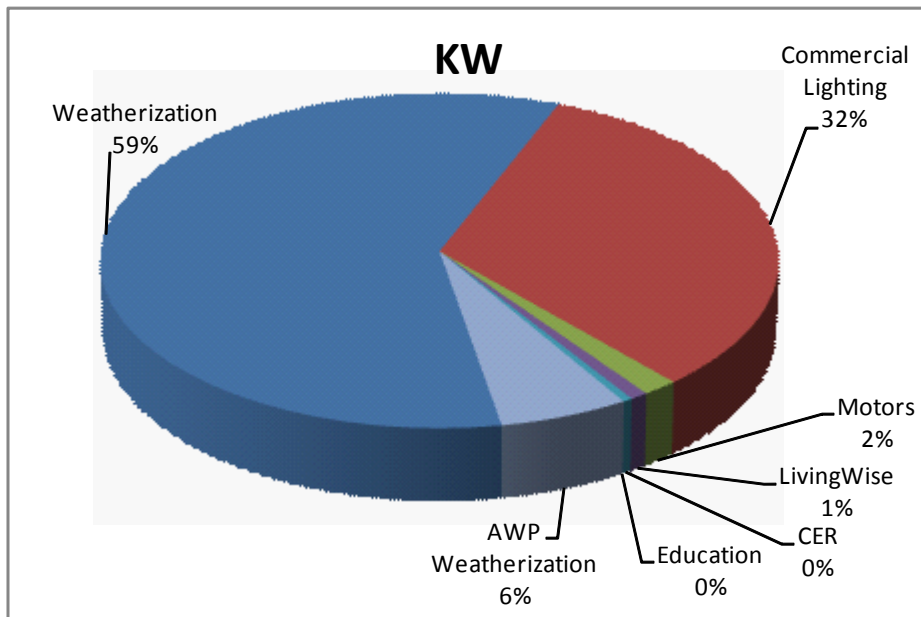
NOTE: This schedule should report program year data, when available. For budgeted data, report when filed. This schedule should not report forecasted data.

During the past three years of the energy efficiency programs, OG&E has achieved approximately .3% of the annual MWh usage for the state of Arkansas. This on-going energy saving will continue over the next 10 to 12 years without any additional investment.

EE program expenses were managed to 94% of budget. Nearly 90% of the expenses went directly to the customers’ energy efficiency improvements. Planning and design costs were excluded from program expenses. The audits and inspections of the EM&V activities are included in the administration costs.

EE Portfolio Summary by Cost Type				
EE Program Cost Summary	2010 Total Cost			
	%	Budget (\$)	Actual (\$)	%
Planning / Design	0%	0	0	0%
Marketing & Delivery	6%	87,545	107,938	8%
Incentives / Rebates	80%	1,093,940	1,067,902	84%
Evaluation, Measurement, and Verification	0%	0	0	0%
Regulatory	0%	0	0	0%
Administration	13%	183,000	102,660	8%
<b>Total</b>	<b>100%</b>	<b>1,364,485</b>	<b>1,278,500</b>	<b>100%</b>

2010 Programs provided 136% of the demand goals while only spending only 94% of the annual budgeted dollars available. Weatherization and Commercial lighting lead the way by providing over 93% of overall demand savings.



The program segments available to each customer class are identified in the following table. While the Commercial Motors program exceeded budget, the Lighting program fell short, keeping the total Commercial sector expenses within budget.

**Oklahoma Gas & Electric Company  
07-075-TF  
EE Portfolio Summary by Program**

Program Name	Program Number	Program Type	Market	2010		% Of Funds Used
				Budget (\$)	Actual (\$)	
Weatherization	1	Weatherization	Res (All)	1,129,500	1,103,808	97.73%
Living Wise	2	Public Education	Res (All)	61,000	49,405	80.99%
CER	3	Energy Audit or Evaluation	Res (All)	7,000	61	0.87%
Commercial Lighting	4	Lighting	Small C&I (All)	55,440	38,104	68.73%
Commercial Motors	5	Motors, Pumps	Large C&I (All)	7,500	11,244	149.92%
Energy Efficiency Arkansas (CFL's (Quick Start ONLY)	6	Public Education	Res (All)	32,045	30,950	96.58%
	7	Lighting	Res (All)	0	0	-
AWP Weatherization	8	Weatherization	Res (Single-Family)	72,000	44,928	62.40%
Regulatory	-	-	-	0	0	-
			<b>Total</b>	<b>1,364,485</b>	<b>1,278,500</b>	<b>93.70%</b>

To date, program performance for demand savings for 2010 was approximately 88% of the 18 month program goals. Through the first year of the program, 66% of the total budget has been spent.

Energy Efficiency Programs continue to play a role in the Integrated Resource Plan (IRP). Each year OG&E develops the demand response programs based on customer needs and dollars available in order to meet the company’s growing energy demands. Since 2007, more than 2,900 kW of EEP improvements have been included in the annual demand forecast for Arkansas.

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OG&E’s Comprehensive Energy Efficiency Program Portfolio has performed at or above the expected level for a new portfolio offering. The past years results have been to intensive awareness of the programs issued by OG&E. Through training and collaborative efforts with the public, we were able to increase the awareness and education of consumers on energy conservation practices.

In spending 93.63% of the allotted budgeted dollars, OG&E achieved 136.76 % of its Energy Savings goal and 135.78% of its Demand Savings goal from the portfolio of the Comprehensive Programs. This equates to spending \$1,278,500 of the budgeted \$1,365,660, while realizing Energy Savings of 4,143,096 kWh against the budgeted amount of 3,029,518 kWh, and Demand Savings of 1,317.05 kW against the budgeted amount of 970 kW.

As the Comprehensive Program was analyzed for 2010, OG&E was pleased with the results of the program. Not only staying within the budgeted dollars, but able to achieve a greater degree of savings in both Energy and Demand.

## 2.0 PORTFOLIO IMPACT



# Portfolio Impact

## Program Savings (Energy and Demand)

ENERGY kWh	2008				2009				2010				2011 Goal kWh
	Lifetime Energy Savings				Lifetime Energy Savings				Lifetime Energy Savings				
	% Of Prior Year	Budget	Actual	% Of Goal	% Of Prior Year	Budget	Actual	% Of Goal	% Of Prior Year	Budget	Actual	% Of Goal	
Weatherization	-	2,322,970	1,476,000	64%	200%	4,645,930	1,845,000	40%	435%	20,207,010	25,934,298	128%	10,101,990
Living Wise	-	1,213,710	3,330,600	274%	200%	2,427,430	4,845,750	200%	48%	1,156,820	213,682	18%	580,930
CER	-	6,787,980	7,278,040	107%	200%	13,575,950	3,268,400	24%	12%	1,680,757	178,640	11%	840,253
Commercial Lighting	-	8,115,290	12,153,940	150%	200%	16,230,580	46,061,370	284%	92%	15,000,750	14,465,848	96%	7,499,250
Commercial Motors	-	544,155	163,200	30%	200%	1,088,295	88,485	8%	68%	740,704	1,389,835	188%	370,352
Energy Efficiency Arkansas (C)	-	0	0	-	-	0	0	-	-	0	0	-	0
CFL's (Quick Start ONLY)	-	2,414,867	0	0%	200%	4,829,734	0	0%	0%	0	0	-	0
<b>Total</b>	-	<b>21,398,972</b>	<b>24,401,780</b>	<b>114%</b>	<b>200%</b>	<b>42,797,919</b>	<b>56,109,005</b>	<b>131%</b>	<b>91%</b>	<b>38,786,042</b>	<b>46,159,234</b>	<b>119%</b>	<b>19,392,774</b>

DEMAND kW*Yrs	2008				2009				2010				2011 Goal kW*Yrs
	Lifetime Demand Savings				Lifetime Demand Savings				Lifetime Demand Savings				
	% Of Prior Year	Budget	Actual	% Of Goal	% Of Prior Year	Budget	Actual	% Of Goal	% Of Prior Year	Budget	Actual	% Of Goal	
Weatherization	-	89.07	41.23	46%	200%	178.13	66.50	37%	343%	611.00	782.18	128%	27.00
Living Wise	-	13.69	36.60	267%	200%	27.39	53.25	194%	40%	11.00	11.10	101%	186.00
CER	-	244.65	283.56	116%	200%	489.29	106.00	22%	11%	55.00	5.80	11%	8.00
Commercial Lighting	-	224.63	300.88	134%	200%	449.26	694.06	154%	62%	280.00	431.67	154%	0.00
Commercial Motors	-	13.12	3.68	28%	200%	26.25	1.47	6%	50%	13.00	21.29	164%	0.00
Energy Efficiency Arkansas (C)	-	0.00	0.00	-	-	0.00	0.00	-	-	0.00	0.00	-	0.00
CFL's (Quick Start ONLY)	-	427.23	0.00	0%	200%	854.46	0.00	0%	0%	0.00	0.00	-	0.00
<b>Total</b>	-	<b>1,012.39</b>	<b>665.95</b>	<b>66%</b>	<b>200%</b>	<b>2,024.78</b>	<b>921.28</b>	<b>46%</b>	<b>48%</b>	<b>970.00</b>	<b>1,330.17</b>	<b>137%</b>	<b>752.00</b>

## Program Costs

BUDGET	2008				2009				2010				2011 Budget (\$)
	% Of Prior Year	Budget (\$)	Actual (\$)	% Of Goal	% Of Prior Year	Budget (\$)	Actual (\$)	% Of Goal	% Of Prior Year	Budget (\$)	Actual (\$)	% Of Goal	
	Weatherization	-	137,410	48,157	35%	100%	137,410	117,776	86%	822%	1,129,500	1,103,808	
Living Wise	-	37,213	45,939	123%	100%	37,213	34,135	92%	164%	61,000	49,405	81%	0
CER	-	53,000	70,346	133%	100%	53,000	23,244	44%	13%	7,000	61	1%	0
Commercial Lighting	-	54,482	46,513	85%	100%	54,482	81,963	150%	102%	55,440	38,104	69%	0
Commercial Motors	-	65,550	51,276	78%	100%	65,550	44,600	68%	11%	7,500	11,244	150%	0
Energy Efficiency Arkansas (C)	-	8,600	55,062	640%	511%	43,956	50,267	114%	73%	32,045	30,950	97%	0
CFL's (Quick Start ONLY)	-	28,893	5,426	19%	100%	28,893	339	1%	0%	0	0	-	0
Regulatory	-	0	0	-	-	0	0	-	-	0	0	-	0
<b>Total</b>	-	<b>385,148</b>	<b>322,719</b>	<b>84%</b>	<b>109%</b>	<b>420,504</b>	<b>352,324</b>	<b>84%</b>	<b>324%</b>	<b>1,364,485</b>	<b>1,278,500</b>	<b>94%</b>	<b>0</b>

## 3.0 PORTFOLIO PROGRAMS





## 3.1 OG&E Weatherization Program

### 3.1.1 Program Description

The OG&E Weatherization Program is designed to promote a standalone program. The Energy Efficiency Program, targeted to residential customers, allows customers to participate in programs that assist in managing energy costs and to begin to be able to participate in price response tariffs. The program targeted all residential customers who owned homes and specifically those that were severely energy inefficient. The program is design to upgrade and improve the thermal envelope of the dwelling and the use of energy efficient appliances.

OG&E serves more than 53,755 residential customers in the Arkansas Region and has estimated as many as 30,000 homes in need of weatherization improvements. OG&E views the Weatherization Program as a key component in the DSM area, and two contractors were chosen to help implement the program. DK Construction and Total Home Efficiency attended 12 hours of weatherization training sponsored by OG&E personnel. The training was held at the OG&E office and consisted of key components for weatherization of homes. Each of the contractors has since had an additional 18 hours of training and has attended a national conference for the weatherization of homes held in Oklahoma City, Oklahoma. OG&E hired the Community Service Clearinghouse Incorporated, for lead generation. Weatherization Program presentations were made to civic organizations, senior citizens, Area Agency on Aging and to church groups throughout the OG&E territory. The purpose was to inform customers of the program. Contractors started performing work in late February 2010 on homes in the OG&E territory and completed 699 homes as of December 31, 2010. Contractor crews installed key weatherization components in the homes to help upgrade them from energy inefficient to modern day standards. Having completed more than 2,500 homes in the Oklahoma and Arkansas weatherization program, one of the measures, solar screens, was omitted from the program. This was due in part to the consumer not wanting to change the aesthetics of their home and that this was not a permanent solution to the problem of solar infiltration. Some of the components that were installed includes: ceiling insulation, caulking, insulating foam, weather stripping, replacement of glass, and/or windows, doors, ground cover, compact fluorescent lighting, duct and plenum repair, return air cavity sealing, CO detectors, smoke detectors, HVAC tune-ups and indoor coil cleaning. OG&E continues to audit the program in the field on a regular basis to ensure proper installation techniques. Contractors are encouraged to attend and receive additional training both online and in classrooms for improvement in proper home weatherization techniques.

As the Comprehensive Program was analyzed for 2010, OG&E was pleased with the results of the program – not only staying within the budgeted dollars, but able to achieve a greater degree of savings in both energy and demand.

### 3.1.2 Program Highlights

- The Comprehensive Weatherization Program was launched February 3, 2010.
- OG&E weatherized 699 homes in 2010 at an average cost of \$1,643 per home.
- Civic and community presentations highlighting the program were conducted throughout each town served by OG&E promoting the Weatherization Program.



### 3.1.3 Program Budget, Savings and Participation

Weatherization													
<b>2008</b>			<b>Budgeted Savings</b>		<b>Actual Savings</b>		<b>% Of Goal</b>		<b>2008</b>				
<b>Annual</b>	<b>Actual</b>	<b>% Of</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Participants</b>			<b>% Of</b>	
<b>Budget</b>	<b>Expenses</b>	<b>Budget</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>Targeted</b>	<b>Actual</b>	<b>Wait List</b>	<b>Goal</b>	
\$137,410	\$48,157	35%	89.07	2,322,970	41.23	1,476,000	46%	64%	59	31	0	53%	
<b>2009</b>			<b>Budgeted Savings</b>		<b>Actual Savings</b>		<b>% Of Goal</b>		<b>2009</b>				
<b>Annual</b>	<b>Actual</b>	<b>% Of</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Participants</b>			<b>% Of</b>	
<b>Budget</b>	<b>Expenses</b>	<b>Budget</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>Targeted</b>	<b>Actual</b>	<b>Wait List</b>	<b>Goal</b>	
\$137,410	\$117,776	86%	178.13	4,645,930	66.50	1,845,000	37%	40%	29	50	0	172%	
<b>2010</b>			<b>Budgeted Savings</b>		<b>Actual Savings</b>		<b>% Of Goal</b>		<b>2010</b>				
<b>Annual</b>	<b>Actual</b>	<b>% Of</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Participants</b>			<b>% Of</b>	
<b>Budget</b>	<b>Expenses</b>	<b>Budget</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>Targeted</b>	<b>Actual</b>	<b>Wait List</b>	<b>Goal</b>	
\$1,129,500	\$1,103,808	98%	611.00	20,207,010	782.18	25,934,298	128%	128%	500	699	0	140%	
<b>3 Year Program Average</b>			<b>Budgeted Savings</b>		<b>Actual Savings</b>		<b>% Of Goal</b>		<b>2008 - 2010</b>				
<b>Annual</b>	<b>Actual</b>	<b>% Of</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Participants</b>			<b>% Of</b>	
<b>Budget</b>	<b>Expenses</b>	<b>Budget</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>Targeted</b>	<b>Actual</b>	<b>Wait List</b>	<b>Goal</b>	
\$468,107	\$423,247	90%	292.73	9,058,637	296.64	9,751,766	101%	108%	196	260	0	133%	
*Lifetime Savings													

### 3.1.4 Program Events and Training

#### Highlights of Events:

- In December 2009, training was held for two contractors and their employees on techniques and home audits.
- Training events that included updates and additional weatherization techniques were held for contractors throughout the year.
- Civic and community presentations promoting the OG&E Weatherization Program were conducted throughout various towns served by OG&E.
- OG&E audited homes on a monthly basis for completion, proper application, and verification of work performed through program.

#### Program and Member Certification:

- On Jan. 26, 2010, OG&E personnel received certification on EPS-HUD curriculum for Lead Safety for Renovation, Repair, and Painting Certification.
- Maintained certification of RESNET Rater Status.

### 3.1.5 Savings

- The deemed savings realized for each Weatherization Project was calculated using 1.119 kW and 2,854 kWh per home. These numbers were initially supplied and identified by Frontier Associates.
- The Arkansas Weatherization Program weatherized 699 homes in 2010. This resulted in an annual energy (kWh) savings of 1,994,946 and demand (kW) savings of 782.18. These annual energy savings are expected to continue over an average of 13 years for life-time energy savings of approximately 20,207,010 kWh.

### 3.1.6 Challenges and Opportunities

OG&E has been able to maintain a steady pace in obtaining and qualifying customers' homes for timely weatherization. As OG&E evaluated the opportunity to complete the desired number of home in this program, we are prepared to bring new contractors on board, if needed, to help meet the growing demand.

### 3.1.7 Outlook for Continuation, Expansion, Reduction or Termination

The OG&E Weatherization Program showed growth by performing more audits in 2010 than the prior 18 months of the Quick Start Program. Using the Quick Start to launch this program showed that the program will be able to provide good opportunities for 2011.

### 3.1.8 Planned or Proposed Changes to Program and Budget

Due to this program ending on June 30, 2011, no program changes are planned under this platform. OG&E plans on exceeding the overall program goals for weatherization by performing an additional 250 homes by the end of the program and with the current budget.

## 3.2 Energy Efficiency Education Program

### 3.2.1 Program Description:

The Energy Efficiency Education Program provides information to all customers, of all classes, allowing them to make informed decisions about how they use energy and to look at alternatives to improve their consumption, thereby decreasing demand and energy usage.

The Arkansas Energy Office, (AEO), administered the collaborative efforts of the Arkansas utilities educational profile in training opportunities. The AEO also provided educational pamphlets, DVDs, and training materials to homeowners throughout the OG&E service territory. Multiple classes were held throughout the State of Arkansas on residential, commercial, and industrial energy efficient usage and design. Certifications on BPI professional home inspectors were held in the Fort Smith area, with v providing the homes for the certification training. Area industry plant engineers as well as CEO's, CFO's, and purchasing agents were updated on techniques of how to manage energy consumption in their plants. Courses on Compressed Air were held in Russellville and other parts of the state to update individuals on how to locate and manage airline losses.

### 3.2.2 Program Highlights:

- The Arkansas Energy office provides various methods of reaching all classifications of OG&E customers through radio, print, and seminars.
- Additional information is submitted by the Arkansas Energy Office annual report.
- Comprehensive Program began February 3, 2010.

### 3.2.3 Program Budget, Savings and Participation:

Energy Efficiency Arkansas (Collaborative)												
<b>2008</b>			<b>Budgeted Savings</b>		<b>Actual Savings</b>		<b>% Of Goal</b>		<b>2008</b>			
Annual	Actual	% Of	Demand*	Energy*	Demand*	Energy*	Demand*	Energy*	Participants			% Of
Budget	Expenses	Budget	kW*Yrs	kWh	kW*Yrs	kWh	kW*Yrs	kWh	Targeted	Actual	Wait List	Goal
\$8,600	\$55,062	640%	0.00	0	0.00	0	-	-	0	0	0	-
<b>2009</b>			<b>Budgeted Savings</b>		<b>Actual Savings</b>		<b>% Of Goal</b>		<b>2009</b>			
Annual	Actual	% Of	Demand*	Energy*	Demand*	Energy*	Demand*	Energy*	Participants			% Of
Budget	Expenses	Budget	kW*Yrs	kWh	kW*Yrs	kWh	kW*Yrs	kWh	Targeted	Actual	Wait List	Goal
\$43,956	\$50,267	114%	0.00	0	0.00	0	-	-	0	0	0	-
<b>2010</b>			<b>Budgeted Savings</b>		<b>Actual Savings</b>		<b>% Of Goal</b>		<b>2010</b>			
Annual	Actual	% Of	Demand*	Energy*	Demand*	Energy*	Demand*	Energy*	Participants			% Of
Budget	Expenses	Budget	kW*Yrs	kWh	kW*Yrs	kWh	kW*Yrs	kWh	Targeted	Actual	Wait List	Goal
\$32,045	\$30,950	97%	0.00	0	0.00	0	-	-	1	0	0	0%
<b>3 Year Program Average</b>			<b>Budgeted Savings</b>		<b>Actual Savings</b>		<b>% Of Goal</b>		<b>2008 - 2010</b>			
Annual	Actual	% Of	Demand*	Energy*	Demand*	Energy*	Demand*	Energy*	Participants			% Of
Budget	Expenses	Budget	kW*Yrs	kWh	kW*Yrs	kWh	kW*Yrs	kWh	Targeted	Actual	Wait List	Goal
\$28,200	\$45,426	161%	0.00	0	0.00	0	-	-	0	0	0	0%
*Lifetime Savings												

### 3.2.4 Program Events and Training

#### Highlights of Events:

- Continued use of existing marketing materials including Tighten-Up Arkansas, radio and television ad campaign.
- Continued use of a website to educate and promote energy efficiency throughout Arkansas.
- Publishing of printed material for water heating, cooling, heating, air sealing, etc.
- As administrators of the program, the Arkansas Energy Office was able to accomplish a successful campaign utilizing the funds from the participating utilities.

#### Sample of Training Provided

- June 2010: OG&E personnel provided homes for BPI training certification for nine individuals, to be BPI certified in Building Analysis and Building Shell.
- March 31-2010: Electricity and Greenhouse Gas Reduction
- June 8, 2010: Industrial Greenhouse Gas Emissions
- June 24, 2010: Compressed Air Systems workshop
- September 22, 2010: Reducing Your Industrial Energy Use – A Management Approach
- December 7, 2010: Pumping System Optimization Opportunities to Improve Life Cycle Performance.

### 3.2.5 Savings

- The deemed savings realized for Education Projects was zero kW and kWh per home.

### 3.2.6 Challenges and Opportunities

OG&E, along with the AEO, has continued to provide updated material to all classifications of consumers throughout the OG&E territory. Challenges to residential, commercial and industrial consumers will be to initiate timely and important energy improvements to homes and businesses. Cost effective measures should be implemented in a timely manner to maintain lower utilities. Education to the consumer is key in stressing the importance of energy efficiency in all applications.

### 3.2.7 Outlook for Continuation, Expansion, Reduction or Termination

OG&E proposes to continue to support and contribute to the Arkansas Energy Office in its effort to promote and grow energy awareness throughout the Arkansas Territory for the remainder of the program.

### 3.2.8 Planned or Proposed Changes to Program and Budget

Due to this program ending on June 30, 2011, no significant changes are planned and no budget adjustments were made.

## 3.3 OG&E LivingWise® Education Program

### 3.3.1 Program Description

The program provides the teachers and their classes of 6<sup>th</sup> grade students a curriculum about home energy efficiency. At the end of the curriculum, a LivingWise® education kit, which includes a CFL, air filter, aerator, low-flow shower head, LED night light, thermometer, a student handbook on energy efficiency in the home and community, provides students the opportunity to participate with their families on energy awareness. The students take the LivingWise® kit home and install the energy efficiency measures with the assistance of their parents.

The LivingWise® Program provided Energy Efficiency and Awareness training for 1,199 students from January 2010 through December 31, 2010, targeting nine school districts in Arkansas.

OG&E agreed to provide a list of schools, each semester to Resource Action Programs (RAP) for potential participation in the LivingWise® Program. RAP contacts the schools, enrolls the teacher and quantifies the number of students. A list of enrolled schools and participation information is sent to OG&E each month. There was an overwhelming consensus from all participating teachers that it was an informative and easy curriculum and each teacher felt that with the uncertain environmental and energy situation, the teaching materials were both timely and important. A total of 59% of sixth grade students in public schools participated in the program in the OG&E service territory.

### 3.3.2 Program Highlights

- 1,199 6<sup>th</sup> grade students participated in the program in 2010.
- 59% of all eligible students participated in the program.
- Created OG&E customized box to improve the generic look for the LivingWise® Kits.
- OG&E utilized its Community Coordinators along with key contact personnel for promotion of the program.
- The Comprehensive Program was approved in February 2010, which continued the same program as the Quick-Start Program.
- The selection process for LivingWise® begins with a list of potential elementary public schools for 6<sup>th</sup> grade classes that OG&E sends to LivingWise®. This is a turn-key program, where the following services are performed by LivingWise®:
  - Contact the school
  - Verify school address
  - Speak with the teacher(s)
  - Produce and mail the required number of kits for students and teachers
  - Follow up with teachers on the class participation during the curriculum and then on the activities provided in the kit for the students to take home and interact with their parents.

A report is then submitted to OG&E at the end of each semester detailing the activity, the results and the participation level and acceptance of the program.

- OG&E has had a 100% return rate from teacher's responding to the follow-up surveys.

### 3.3.3 Program Budget, Savings and Customers

Living Wise												
<b>2008</b>			<b>Budgeted Savings</b>		<b>Actual Savings</b>		<b>% Of Goal</b>		<b>2008</b>			
Annual	Actual	% Of	Demand*	Energy*	Demand*	Energy*	Demand*	Energy*	Participants		% Of	
Budget	Expenses	Budget	kW*Yrs	kWh	kW*Yrs	kWh	kW*Yrs	kWh	Targeted	Actual	Wait List	Goal
\$37,213	\$45,939	123%	13.69	1,213,710	36.60	3,330,600	267%	274%	250	732	0	293%
<b>2009</b>			<b>Budgeted Savings</b>		<b>Actual Savings</b>		<b>% Of Goal</b>		<b>2009</b>			
Annual	Actual	% Of	Demand*	Energy*	Demand*	Energy*	Demand*	Energy*	Participants		% Of	
Budget	Expenses	Budget	kW*Yrs	kWh	kW*Yrs	kWh	kW*Yrs	kWh	Targeted	Actual	Wait List	Goal
\$37,213	\$34,135	92%	27.39	2,427,430	53.25	4,845,750	194%	200%	125	1,065	0	852%
<b>2010</b>			<b>Budgeted Savings</b>		<b>Actual Savings</b>		<b>% Of Goal</b>		<b>2010</b>			
Annual	Actual	% Of	Demand*	Energy*	Demand*	Energy*	Demand*	Energy*	Participants		% Of	
Budget	Expenses	Budget	kW*Yrs	kWh	kW*Yrs	kWh	kW*Yrs	kWh	Targeted	Actual	Wait List	Goal
\$61,000	\$49,405	81%	11.00	1,156,820	11.10	213,682	101%	18%	1,200	1,199	0	100%
<b>3 Year Program Average</b>			<b>Budgeted Savings</b>		<b>Actual Savings</b>		<b>% Of Goal</b>		<b>2008 - 2010</b>			
Annual	Actual	% Of	Demand*	Energy*	Demand*	Energy*	Demand*	Energy*	Participants		% Of	
Budget	Expenses	Budget	kW*Yrs	kWh	kW*Yrs	kWh	kW*Yrs	kWh	Targeted	Actual	Wait List	Goal
\$45,142	\$43,160	96%	17.36	1,599,320	33.65	2,796,677	194%	175%	525	999	0	190%
*Lifetime Savings												

### 3.3.4 Program Events and Timing

#### Sample of Events:

- 04-22-2010 - Presentation to Carnall Elementary sixth grade students on LivingWise<sup>®</sup> information.
- 08-04-2010 – Presentation to the Partners in Education held at Ramsey Junior High for all Fort Smith District Schools on LivingWise<sup>®</sup> program for all sixth grade students.

### 3.3.5 Savings

- The stipulated savings realized for each LivingWise<sup>®</sup> kit provided to students was calculated at 0.0530 kW per kit and 584 kWh per kit. This number was evaluated and derived by Frontier Associates.
- OG&E provided 1,199 kits to 6<sup>th</sup> Grade students, for an annual kWh savings of 700,216 and demand savings of 63.547 kW. These annual savings have an average life of 10 years for a lifetime energy savings of 2,580,924 kWh.

### 3.3.6 Challenges and Opportunities:

OG&E success with this program has been through key contacts in each of the school districts. Each of the participating schools within the OG&E territory have embraced the concept and curriculum provided through Resource Actions.

### **3.3.7 Outlook for Continuation, Expansion, Reduction or Termination:**

OG&E will continue the LivingWise® curriculum through the program year with no major changes.

### **3.3.8 Planned or Proposed Changes to Program and Budget:**

Due to this program ending on June 30, 2011, no significant changes are planned and no budget adjustments were made.



## 3.4 OG&E Custom Energy Report (CER) Program

### 3.4.1 Program Description:

The Custom Energy Report (CER) is a self guided on-line home energy audit offered through the OG&E website. Customers are prompted to input items pertaining to the appliances and energy consuming devices (i.e. ceiling insulation, windows, doors, direction of home, number of individuals living in home, appliances, ect.) in their home. Upon completion of the survey, the customer will receive an e-mail of their personalized energy report providing analysis and recommendations on how to save energy.

This report is specific to their house, living styles and choices. The energy savings tips are customized to their individual criteria and needs. Recommendations are provided that will direct the customer, (in order of highest savings opportunities), on ways to save energy.

The goal of the CER is to aid residential customers in improving comfort while lowering energy costs in their homes. A mailed energy survey or online survey provides a personalized report showing where the home uses energy and recommends actions for saving energy. The report also includes a 12-month comparison of electricity use, energy costs and the trend for costs and breakdown of electricity used. The report is free of charge to OG&E customers.

Marketing efforts included direct mailings, media coverage, and OG&E website promotion.

Direct Options is the program administrator. They mail the surveys, receive the responses and prepare the report for OG&E residential customers.

### 3.4.2 Program Highlights:

- The CER program began in October, 2007 in the Quick Start Program and continued in the Comprehensive Program.
- The Custom Energy Report is provided to customers, free of charge, after they complete the home information survey. The report contains electric usage information and cost comparisons based on the information they provide to us.
- The Custom Energy Report also includes recommendations to help customers use energy wisely and save money on their monthly bills. The report contains specific energy savings tips for their home.
- A follow up survey is sent to those requesting a report, asking for comments and suggestions for improving this service.
- 58 customers took advantage of this free energy audit during 2010.

### 3.4.3 Program Budget, Savings and Customers:

CER												
<b>2008</b>			<b>Budgeted Savings</b>		<b>Actual Savings</b>		<b>% Of Goal</b>		<b>2008</b>			
<b>Annual</b>	<b>Actual</b>	<b>% Of</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Participants</b>			<b>% Of</b>
<b>Budget</b>	<b>Expenses</b>	<b>Budget</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>Targeted</b>	<b>Actual</b>	<b>Wait List</b>	<b>Goal</b>
\$53,000	\$70,346	133%	244.65	6,787,980	283.56	7,278,040	116%	107%	1,033	2,363	0	229%
<b>2009</b>			<b>Budgeted Savings</b>		<b>Actual Savings</b>		<b>% Of Goal</b>		<b>2009</b>			
<b>Annual</b>	<b>Actual</b>	<b>% Of</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Participants</b>			<b>% Of</b>
<b>Budget</b>	<b>Expenses</b>	<b>Budget</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>Targeted</b>	<b>Actual</b>	<b>Wait List</b>	<b>Goal</b>
\$53,000	\$23,244	44%	489.29	13,575,950	106.00	3,268,400	22%	24%	1,033	1,060	0	103%
<b>2010</b>			<b>Budgeted Savings</b>		<b>Actual Savings</b>		<b>% Of Goal</b>		<b>2010</b>			
<b>Annual</b>	<b>Actual</b>	<b>% Of</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Participants</b>			<b>% Of</b>
<b>Budget</b>	<b>Expenses</b>	<b>Budget</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>Targeted</b>	<b>Actual</b>	<b>Wait List</b>	<b>Goal</b>
\$7,000	\$61	1%	55.00	1,680,757	5.80	178,640	11%	11%	500	58	0	12%
<b>3 Year Program Average</b>			<b>Budgeted Savings</b>		<b>Actual Savings</b>		<b>% Of Goal</b>		<b>2008 - 2010</b>			
<b>Annual</b>	<b>Actual</b>	<b>% Of</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Participants</b>			<b>% Of</b>
<b>Budget</b>	<b>Expenses</b>	<b>Budget</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>Targeted</b>	<b>Actual</b>	<b>Wait List</b>	<b>Goal</b>
\$37,667	\$31,217	83%	262.98	7,348,229	131.79	3,575,027	50%	49%	855	1,160	0	136%
*Lifetime Savings												

### 3.4.4 Program Events and Training:

#### Sample of Events:

- New CER website that is connected with the OG&E website went live on February 13, 2009. The new web link follows the design of our new Positive Energy logo and is more user-friendly.
- <http://www.oge.com/residential-customers/save-energy-and-money/EnergyEfficiency/Pages/CEROpenWP.aspx>

### 3.4.5 Savings:

- The deemed savings realized for each Residential Energy Audit (CER) was calculated at 0.10 kW per report and 308 kWh per report.
- OG&E completed 58 Residential Energy Reports for an annual kWh savings of 17,864 and annual demand savings of 5.8 KW. These annual savings have an average life of 10 years for a lifetime energy savings of 178,640 kWh



## 3.5 Commercial Lighting Program

### 3.5.1 Program Description:

The purpose of the Commercial Lighting program is to provide incentives to the OG&E Commercial and Industrial customers during change outs and new construction. To encourage high efficiency lighting replacement, an incentive of \$2.00 per T-12 lamp replaced by a T-8 or T-5 lamp will be paid once a project is completed and verified.

The Commercial Lighting program was a continuation of the Quick Start Measure. This measure was designed to reach existing and new customers including large school districts, commercial, and industrial complexes. OG&E continued to recruit and educate customers with additional presentations on the advantages of high efficiency lighting.

### 3.5.2 Program Highlights:

- Lighting Program began on October 2007 in the Quick Start Program and continued into the 2010 Comprehensive Program.
- OG&E used six electrical/lighting contractors to be partners along with manufacturers.
- Table top displays and open house events were offered to help promote the awareness of the lighting program to local architects, engineers and maintenance personnel.
- Lighting surveys were conducted in plants and at operational facilities throughout the OG&E territory. This was done in conjunction with manufacturers and distributors.
- Presentations were performed for local civic groups in throughout the OG&E service territory.

### 3.5.3 Program Budget, Savings and Customers:

Commercial Lighting													
<b>2008</b>			Budgeted Savings		Actual Savings		% Of Goal		2008				
Annual	Actual	% Of	Demand*	Energy*	Demand*	Energy*	Demand*	Energy*	Participants		% Of		
Budget	Expenses	Budget	kW*Yrs	kWh	kW*Yrs	kWh	kW*Yrs	kWh	Targeted	Actual	Wait List	Goal	
\$54,482	\$46,513	85%	224.63	8,115,290	300.88	12,153,940	134%	150%	26	8	0	31%	
<b>2009</b>			Budgeted Savings		Actual Savings		% Of Goal		2009				
Annual	Actual	% Of	Demand*	Energy*	Demand*	Energy*	Demand*	Energy*	Participants		% Of		
Budget	Expenses	Budget	kW*Yrs	kWh	kW*Yrs	kWh	kW*Yrs	kWh	Targeted	Actual	Wait List	Goal	
\$54,482	\$81,963	150%	449.26	16,230,580	694.06	46,061,370	154%	284%	13	10	0	77%	
<b>2010</b>			Budgeted Savings		Actual Savings		% Of Goal		2010				
Annual	Actual	% Of	Demand*	Energy*	Demand*	Energy*	Demand*	Energy*	Participants		% Of		
Budget	Expenses	Budget	kW*Yrs	kWh	kW*Yrs	kWh	kW*Yrs	kWh	Targeted	Actual	Wait List	Goal	
\$55,440	\$38,104	69%	280.00	15,000,750	431.67	14,465,848	154%	96%	15	23	0	153%	
<b>3 Year Program Average</b>			Budgeted Savings		Actual Savings		% Of Goal		2008 - 2010				
Annual	Actual	% Of	Demand*	Energy*	Demand*	Energy*	Demand*	Energy*	Participants		% Of		
Budget	Expenses	Budget	kW*Yrs	kWh	kW*Yrs	kWh	kW*Yrs	kWh	Targeted	Actual	Wait List	Goal	
\$54,801	\$55,527	101%	317.96	13,115,540	475.54	24,227,053	150%	185%	18	14	0	76%	
*Lifetime Savings													

### 3.5.4 Program Events and Timing:

#### Sample of Events:

- Table top displays and open house events helped promote the awareness of the lighting program to local architects, engineers and maintenance personnel. Lighting surveys were conducted in plants on operational facilities throughout the OG&E territory. This was done in conjunction with manufacturers and distributors.
- Presentations were performed for local civic groups in various areas of the OG&E territory.

### 3.5.5 Savings:

- The stipulated savings per project is the actual reported energy and demand savings base on project specific savings and verified by an on-site audit.
- OG&E completed 23 commercial lighting projects for an annual kWh savings of 1,255,193 and annual demand savings of 440 KW. These annual savings have an average life of 12 years for a lifetime energy savings of 15,062,316 kWh.

### 3.5.6 Challenges and Opportunities:

- Meeting with each contractor/distributor on rebate opportunities.

### 3.5.7 Outlook for Continuation, Expansion, Reduction or Termination:

OG&E will continue its Commercial Lighting Program through the program year with no major changes.

### 3.5.8 Planned or Proposed Changes to Program and Budget:

Due to this program ending on June 30, 2011, no significant changes are planned and no budget adjustments were made.

## 3.6 Motor Replacement Program

### 3.6.1 Program Description:

The program, which targets commercial and industrial customers and motor distributors, is designed to educate customers and motor distributors about the operating cost benefits of high efficiency motors and also provide an incentive to purchase such motors.

The OG&E Motor Replacement Program targeted commercial and industrial customers on the benefits of high efficiency motor replacements. This program was well received in the market place for 2010. OG&E paid \$5 per horsepower on NEMA Premium standards on 10 to 100 Horsepower upgrades. Motor efficiency programs were conducted through Baldor and OG&E Energy Technology Center. The industrial sector continues to struggle with tough economic times in the United States.

### 3.6.2 Program Highlights:

- Education activities on motor replacements and enhancements were conducted through open house events held at Evan Enterprises and Motion Industries.
- Presentations were held at the Baldor Energy Forum highlighting OG&E's Motor program.
- OG&E personnel made field visits to various industrial and commercial customers.
- We worked with manufacturers and distributors in the Arkansas territory.
- September 2010: OG&E DSM consultant made a presentation on the Motor Program for Evans Electric.

### 3.6.3 Program Budget, Savings and Customers:

Commercial Motors												
<b>2008</b>			<b>Budgeted Savings</b>		<b>Actual Savings</b>		<b>% Of Goal</b>		<b>2008</b>			
<b>Annual</b>	<b>Actual</b>	<b>% Of</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Participants</b>		<b>% Of</b>	
<b>Budget</b>	<b>Expenses</b>	<b>Budget</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>Targeted</b>	<b>Actual</b>	<b>Wait List</b>	<b>Goal</b>
\$65,550	\$51,276	78%	13.12	544,155	3.68	163,200	28%	30%	50	16	0	32%
<b>2009</b>			<b>Budgeted Savings</b>		<b>Actual Savings</b>		<b>% Of Goal</b>		<b>2009</b>			
<b>Annual</b>	<b>Actual</b>	<b>% Of</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Participants</b>		<b>% Of</b>	
<b>Budget</b>	<b>Expenses</b>	<b>Budget</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>Targeted</b>	<b>Actual</b>	<b>Wait List</b>	<b>Goal</b>
\$65,550	\$44,600	68%	26.25	1,088,295	1.47	88,485	6%	8%	25	3	0	12%
<b>2010</b>			<b>Budgeted Savings</b>		<b>Actual Savings</b>		<b>% Of Goal</b>		<b>2010</b>			
<b>Annual</b>	<b>Actual</b>	<b>% Of</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Participants</b>		<b>% Of</b>	
<b>Budget</b>	<b>Expenses</b>	<b>Budget</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>Targeted</b>	<b>Actual</b>	<b>Wait List</b>	<b>Goal</b>
\$7,500	\$11,244	150%	13.00	740,704	21.29	1,389,835	164%	188%	25	21	0	84%
<b>3 Year Program Average</b>			<b>Budgeted Savings</b>		<b>Actual Savings</b>		<b>% Of Goal</b>		<b>2008 - 2010</b>			
<b>Annual</b>	<b>Actual</b>	<b>% Of</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Participants</b>		<b>% Of</b>	
<b>Budget</b>	<b>Expenses</b>	<b>Budget</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>Targeted</b>	<b>Actual</b>	<b>Wait List</b>	<b>Goal</b>
\$46,200	\$35,707	77%	17.46	791,051	8.81	547,173	50%	69%	33	13	0	40%
*Lifetime Savings												

### 3.6.4 Program Events and Training:

- April 2010 – Presentation at the Baldor Energy Forum on OG&E Motor program
- June 2010 – Motors Seminar held at the Energy Technology Center
- August 2010 – Open House activities held at Motion Industries
- October 2010 – Open House activities held at Evans Enterprises
- Field visits throughout 2010 to perspective commercial and industrial customers

### 3.6.5 Savings:

- The savings realized for each Motor Replacement Project was calculated at the individual completed project level.
- OG&E completed 21 motor projects for an annual kWh savings of 174,877 and annual demand savings of 25 KW. These annual savings have an average life of 11 years for a lifetime energy savings of 1,923,647 kWh.

### **3.6.6 Challenges and Opportunities:**

This program was well received in the market place for 2010. Due to a small turn around in the economy and a change in procedure of payment from 10 to 100 horsepower, the program moved from sluggish to surpasses goals. Industrial and commercial customers' additional capital along with rebates and new government regulations help to increase the awareness of higher efficiency applications relating to fuel savings.

### **3.6.7 Outlook for Continuation, Expansion, Reduction or Termination:**

OG&E plans to continue the program without enhancements for the remainder of the program year.

### **3.6.8 Planned or Proposed Changes to Program and Budget:**

Due to this program ending on June 30, 2011, no significant changes are planned and no budget adjustments were made.





**3.7.3 Program Budget, Savings and Customers:**

CFL's (Quick Start ONLY)												
<b>2008</b>			<b>Budgeted Savings</b>		<b>Actual Savings</b>		<b>% Of Goal</b>		<b>2008</b>			
<b>Annual</b>	<b>Actual</b>	<b>% Of</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Participants</b>			<b>% Of</b>
<b>Budget</b>	<b>Expenses</b>	<b>Budget</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>Targeted</b>	<b>Actual</b>	<b>Wait List</b>	<b>Goal</b>
\$28,893	\$5,426	19%	427.23	2,414,867	0.00	0	0%	0%	0	0	0	-
<b>2009</b>			<b>Budgeted Savings</b>		<b>Actual Savings</b>		<b>% Of Goal</b>		<b>2009</b>			
<b>Annual</b>	<b>Actual</b>	<b>% Of</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Participants</b>			<b>% Of</b>
<b>Budget</b>	<b>Expenses</b>	<b>Budget</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>Targeted</b>	<b>Actual</b>	<b>Wait List</b>	<b>Goal</b>
\$28,893	\$339	1%	854.46	4,829,734	0.00	0	0%	0%	0	0	0	-
<b>2010</b>			<b>Budgeted Savings</b>		<b>Actual Savings</b>		<b>% Of Goal</b>		<b>2010</b>			
<b>Annual</b>	<b>Actual</b>	<b>% Of</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Participants</b>			<b>% Of</b>
<b>Budget</b>	<b>Expenses</b>	<b>Budget</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>Targeted</b>	<b>Actual</b>	<b>Wait List</b>	<b>Goal</b>
\$0	\$0	-	0.00	0	0.00	0	-	-	0	0	0	-
<b>3 Year Program Average</b>			<b>Budgeted Savings</b>		<b>Actual Savings</b>		<b>% Of Goal</b>		<b>2008 - 2010</b>			
<b>Annual</b>	<b>Actual</b>	<b>% Of</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Demand*</b>	<b>Energy*</b>	<b>Participants</b>			<b>% Of</b>
<b>Budget</b>	<b>Expenses</b>	<b>Budget</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>kW*Yrs</b>	<b>kWh</b>	<b>Targeted</b>	<b>Actual</b>	<b>Wait List</b>	<b>Goal</b>
\$19,262	\$1,922	10%	427.23	2,414,867	0.00	0	0%	0%	0	0	0	-
*Lifetime Savings												

**3.7.4 Program Events and Training:**

**3.7.5 Savings:**

**3.7.6 Challenges and Opportunities:**

**3.7.7 Outlook for Continuation, Expansion, Reduction or Termination:**

No current plans exist to bring this program back in the promotions as a standalone program. Benefits here can be claimed in the Commercial Lighting Program.

**3.7.8 Planned or Proposed Changes to Program and Budget:**

No future plans exist.

## **3.8 ARKANSAS WEATHERIZATION PROGRAM (AWP)**

### 3.8.1 Program Description:

The Arkansas Weatherization Program was designed to promote energy efficiency in homes throughout the Fort Smith Territory. This Program is monitored by the Arkansas Community Action Agencies Association. The Energy Efficiency Program targeted to residential customers that allows the customer to participate in programs to assist in managing energy costs and to begin to be able to utilize price response tariffs. This program focused on customers who owned their home and who have homes that were severely energy inefficient. The program design is to upgrade and improve the thermal envelope of the dwelling and the energy use of appliances.

OG&E continued their participation with the Arkansas Weatherization Program in conjunction with other utilities across the state. The Central Arkansas Development Council has control of the disbursement of funding for the collaborative. OG&E serves over 53,755 residential customers in the Arkansas Region and has estimated as many as 30,000 homes needing weatherization improvements, with an estimate of 10,000 severely energy efficient homes in the service territory. OG&E views the Weatherization Program as a key component in the DSM area. Presentations on the Weatherization Program were made to Civic Groups, Senior Citizens, and Area Agency on Ageing and to church groups throughout the OG&E territory to inform customers of the program. Agency contractor crews installed key weatherization components in the homes to help upgrade the homes from energy inefficient to modern day standards. Some of the components that were installed are as follows: ceiling insulation, caulking, insulating foam, weather stripping, replacement of glass, and or windows, doors, ground cover, compact fluorescent lighting, duct and plenum repair, return air cavity sealing, CO detectors, Smoke detectors, HVAC tune-ups, replacements, and indoor coil cleaning. OG&E continues to audit the program in the field on a regular basis to ensure proper installation techniques.

OG&E provided funding for the Arkansas Community Action Agency Associations to weatherize severely energy inefficient homes in the Fort Smith Territory. Working with the Crawford-Sebastian Community Development Council, Inc., located in Fort Smith, and the Universal Housing Authority based in Russellville, weatherized 56 severely energy inefficient residential homes in 2010. Many of these homes also utilized DOE monies, as well as LIHEAP funding and additional grants, for improvements to the home. Area counties served by the agencies are Crawford, Sebastian, Franklin, Johnson, and Logan.

### 3.8.2 Program Highlights:

- Comprehensive Weatherization Program was launched on February 3, 2010.
- Arkansas Weatherization program weatherized 56 homes in 2010 at an average cost per home of \$1,848.53.
- Civic and community presentations on the program were conducted throughout each town served by OG&E promoting the Arkansas Weatherization Program.
- The Arkansas Weatherization Program was administered through the Central Arkansas Development Council.
- The Universal Housing Corporation and Crawford-Sebastian Community Development Council Inc., performed audits and jobs in the OG&E District.

### 3.8.3 Program Budget, Savings & Participation:

AWP Weatherization												
<b>2008</b>			<b>Budgeted Savings</b>		<b>Actual Savings</b>		<b>% Of Goal</b>		<b>2008</b>			
Annual	Actual	% Of	Demand*	Energy*	Demand*	Energy*	Demand*	Energy*	Participants		% Of	
Budget	Expenses	Budget	kW*Yrs	kWh	kW*Yrs	kWh	kW*Yrs	kWh	Targeted	Actual	Wait List	Goal
\$0	\$0	-	0.00	0	0.00	0	-	-	0	0	0	-
<b>2009</b>			<b>Budgeted Savings</b>		<b>Actual Savings</b>		<b>% Of Goal</b>		<b>2009</b>			
Annual	Actual	% Of	Demand*	Energy*	Demand*	Energy*	Demand*	Energy*	Participants		% Of	
Budget	Expenses	Budget	kW*Yrs	kWh	kW*Yrs	kWh	kW*Yrs	kWh	Targeted	Actual	Wait List	Goal
\$0	\$0	-	0.00	0	0.00	0	-	-	0	0	0	-
<b>2010</b>			<b>Budgeted Savings</b>		<b>Actual Savings</b>		<b>% Of Goal</b>		<b>2010</b>			
Annual	Actual	% Of	Demand*	Energy*	Demand*	Energy*	Demand*	Energy*	Participants		% Of	
Budget	Expenses	Budget	kW*Yrs	kWh	kW*Yrs	kWh	kW*Yrs	kWh	Targeted	Actual	Wait List	Goal
\$72,000	\$44,928	62%	0.00	0	78.14	3,976,931	-	-	59	55	0	93%
<b>3 Year Program Average</b>			<b>Budgeted Savings</b>		<b>Actual Savings</b>		<b>% Of Goal</b>		<b>2008 - 2010</b>			
Annual	Actual	% Of	Demand*	Energy*	Demand*	Energy*	Demand*	Energy*	Participants		% Of	
Budget	Expenses	Budget	kW*Yrs	kWh	kW*Yrs	kWh	kW*Yrs	kWh	Targeted	Actual	Wait List	Goal
\$24,000	\$14,976	62%	0.00	0	26.05	1,325,644	-	-	20	18	0	93%
*Lifetime Savings												

### 3.8.4 Program Events & Training:

#### Highlights of Events:

- Civic and community presentations on the program were conducted throughout the various towns served by OG&E promoting the Weatherization Program.
- Met with key personnel from Crawford-Sebastian Community Development Council Inc., and Universal Housing Corporation on weatherization projects.
- Audited homes on monthly basis for completion, proper application, and verification of work performed through program.

#### Program & Member Certification:

- N/A

### 3.8.5 Savings:

- The deemed savings realized for each Weatherization Project was calculated using 1.119 kW and 2,854 kWh per home. These numbers were initially supplied and identified by Frontier Associates.
- The Arkansas Weatherization Program weatherized 55 homes in 2010.

### 3.8.6 Challenges & Opportunities:

The ability to process lead generation in a timely manner continues to be a challenge in the program.

### **3.8.7 Outlook for Continuation, Expansion, Reduction or Termination:**

The Weatherization Program showed growth by performing more audits in 2010. Using the Quick Start to launch this program showed that the program will be able to provide the same opportunities for 2011.

### **3.8.8 Planned or Proposed Changes to Program & Budget:**

Due to this program ending on June 30, 2011, no program changes are planned under this platform.

## 4.0 EVALUATION, MEASUREMENT AND VERIFICATION

## 4.1 EM&V Overview

### Introduction:

The Evaluation, Measurement and Verification Plan is a systematic approach to quantifying energy savings. OG&E has undertaken the measurement and verification activities for the energy efficiency programs it implements when appropriate.

The 2007 International Performance Measurement and Verification Protocol will be the cornerstone for OG&E's Measurement and Verification Plan.

OG&E has made a considerable effort to address all customers within the OG&E service area and used Deemed Savings, Data and Reporting Program information and Stipulated Savings to evaluate and monitor the individual program results.

OG&E identified three (3) programs in the portfolio that require EM&V in order to qualify the results prior to reporting.

- Weatherization
  
- Commercial Lighting
  
- Commercial Motors

Each of the programs EM&V processes are described below in the program evaluation section.



## 4.2 Program Evaluation:

### OG&E Weatherization Program

From February 3, 2010 through December 31, 2010, 10% of the homes that were weatherized under the OG&E Arkansas Weatherization program as well as OG&E's Weatherization program received a post weatherization inspection. All of the inspections were performed by the OG&E Program Manager. The selection process was purely random, selecting homes weatherized by OG&E contractors. The audit process involved a walk-through of the home to visually inspect the stated weatherization services that were listed on the invoice. This may have included items such as attic insulation, window caulking, door sealing, installation of CFL light bulbs and A/C tune-ups.

### Commercial Lighting Program

In the 11 months of the Commercial Lighting Program, 80% of the rebated projects received a Pre and/or Post lighting audit. A small portion of the audits were performed by lighting professionals as a free service. The majority of the audits were performed by the OG&E Program Manager and consisted of counting/verifying the lights that would be or had been changed from T12 to T8 or T5 lamps. Additional verification performed counted the number of installed lamps and fixtures, and verified by matching back to the invoice.

Records were kept on each of these audits that were performed. They were first recorded on the Lighting Rebate Form and then transferred and stored in the tracking system. Ninety-five percent of the lighting audits were post.

One hundred percent of the "Commercial Lighting Audits" verified that what was rebated and described on the invoice was installed and in operation at the time of the audit.

Sample of Commercial Lighting Forms in the Appendix pages 53-55.

### Commercial Motors Program

The Motor Audit consisted of physically verifying the Serial Number, Horsepower and Energy Efficiency rating to be NEMA Premium from the nameplate of the motor.

For the Motor program, 60% of the motors rebated were physically audited and verified by the Program Manager.

The projects receiving an audit have been recorded on the Motor Rebate Form and stored in the tracking system

100% of the "Motor Audits" verified that what was rebated and described on the invoice was installed and in operation at the time of the audit.

Sample of Motors Forms in the Appendix pages 57-58.

### 4.3 Required Element(s):

Cost -Effectiveness Test	Program Year - 2010										
	Levelized Cost	Participant Cost Test (PCT)		Ratepayer Impact Measure (RIM)		Utility Cost Test (UCT)		Total Resource Cost (TRC)		Societal Test (ST)	
		\$/kWh	NPV (\$000's)	Ratio	NPV (\$000's)	Ratio	NPV (\$000's)	Ratio	NPV (\$000's)	Ratio	NPV (\$000's)
<b>Program</b>											
Weatherization	0.03	4,687	4.06	-1,437	0.55	7	1.00	4,730	3.67	4,837	3.73
Living Wise	0.03	627	9.43	-132	0.28	-37	0.59	30	1.83	36	2.02
CER	0.03	144	22.94	-18	0.88	121	12.86	158	16.26	167	17.20
Commercial Lighting	0.03	2,029	8.29	-1,200	0.45	905	11.48	1,018	4.36	1,101	4.63
Commercial Motors	0.03	28	1.44	-35	0.57	35	4.04	0	1.00	4	1.07
Energy Efficiency Arkansas (Collaborative)	0.03	47	0.00	-47	0.00	-47	0.00	0	0.00	0	0.00
CFL's (Quick Start ONLY)											
AWP Weatherization											
<b>EE Portfolio Total</b>	0.03	7,563	4.86	-2,868	0.51	983	1.49	5,936	3.72	6,146	3.82

Cost -Effectiveness Test	Program Year - 2011										
	Levelized Cost	Participant Cost Test (PCT)		Ratepayer Impact Measure (RIM)		Utility Cost Test (UCT)		Total Resource Cost (TRC)		Societal Test (ST)	
		\$/kWh	NPV (\$000's)	Ratio	NPV (\$000's)	Ratio	NPV (\$000's)	Ratio	NPV (\$000's)	Ratio	NPV (\$000's)
<b>Program</b>											
Weatherization	0.03	4,687	4.06	-1,437	0.55	7	1.00	4,730	3.67	4,837	3.73
Living Wise	0.03	627	9.43	-132	0.28	-37	0.59	30	1.83	36	2.02
CER	0.03	144	22.94	-18	0.88	121	12.86	158	16.26	167	17.20
Commercial Lighting	0.03	2,029	8.29	-1,200	0.45	905	11.48	1,018	4.36	1,101	4.63
Commercial Motors	0.03	28	1.44	-35	0.57	35	4.04	0	1.00	4	1.07
Energy Efficiency Arkansas (Collaborative)	0.03	47	0.00	-47	0.00	-47	0.00	0	0.00	0	0.00
CFL's (Quick Start ONLY)											
AWP Weatherization											
<b>EE Portfolio Total</b>	0.03	7,563	4.86	-2,868	0.51	983	1.49	5,936	3.72	6,146	3.82

## 5.0 SUPPLEMENTAL REQUIREMENTS



### 5.1 Training

EXTERNAL TRAINING (contractors, trade allies, consumer groups, etc.)										
Event No.	Date	Class	Class Description	Training Location	Sponsor	No. of Attendees (A)	Length of Session (B)	Training Session Man-hours (A x B)	Any Certificates Awarded? (Y or N)	# of Certificiates Awarded
1.00	12/02/2009	Lead Generation Weatherization Techniques	How / What to capture for Weatherization leads	Community Clearinghouse	OG&E	8	3	24	N	
2.00	12/11/2009		How to Safely Weatherize	OG&E Ft Smith	OG&E	8	8	64	N	
3.00	12/21/2009	Enertrek	Capturing KW/KWH on software	OG&E Ft Smith	Frontier Associates	7	8	56	N	
4.00	02/05/2010	Weatherization	Program Requirements	Senior Citizen Building	OG&E	51	1	51	N	
5.00	02/15/2010	Enertrek	Capturing KW/KWH on Software	OG&E	Frontier Associates	8	8	64	N	
6.00	03/16/2010	Weatherization Weatherization/ Education	Program Requirements	Lavaca Senior Citizen Building	OG&E	63	1	63	N	
7.00	04/22/2010		How to Save Energy	Carnall Elementary	OG&E	207	2	41	N	
8.00	05/25/2010	Weatherization	Updates on Techniques	OG&E	OG&E	8	8	64	N	
9.00	06/03/2010	Weatherization Program	Update on OG&E programs	Fianna Hills CC	OG&E	54	1.5	81	N	
10.00	12/6-8/2010	Weatherization	Weatherization Techniques	OG&E	OG&E	6	24	144	N	
<b>Totals:</b>	<b>Sessions:</b>	10				420		652		

INTERNAL TRAINING (Utility or Administrator Staff)										
Event No.	Date	Class	Class Description	Training Location	Sponsor	No. of Attendees (A)	Length of Session (B)	Training Session Man-hours (A x B)	Any Certificates Awarded? (Y or N)	# of Certificiates Awarded
1.00	01/26/2010	Lead Certification	Lead Safety for Renovation	City Office	City of Fort Smith	23	8	184	y	23
2.00	05/21/2010	First Aid	First Aid on the Job	OG&E	OG&E	35	8	280	y	35
3.00	12/02/2010	Infrared Camera Training	learning how to use IR	Tech Center	OG&E	6	4	24	N	
4.00	6/24-26/2010	BPI	BPI Certification for Auditors	Various	Arkansas Energy Office	9	2	18	y	4
5.00	10/26/2010	Renewable Energy Sources and the Smart Grid	Benefits to Alternate Energy	OG&E	Bismarck State College	1	14	14	Y	1
6.00	4/21-4/25/2008	RESNET Training	Certification Requirements to maintain certification or HERS Rater	Francis Tuttle Vo-Tech, Oklahoma City, Oklahoma	GWS	18	40	600	y	3
<b>Totals:</b>	<b>Sessions:</b>	5				92		1120		66

### 5.2 Lost Revenue

Program Name	Program Costs				Lost Revenue			
	(\$)				(\$)			
	2008	2009	2010	Total	2008	2009	2010	Total
Weatherization								
Living Wise								
CER								
Commercial Lighting								
Commercial Motors								
Energy Efficiency Arkansas (Collaborative)								
CFL's (Quick Start ONLY)	To Be Determined				To Be Determined			
AWP Weatherization								
<b>Totals</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### 5.3 Reserved Future Use

(Section Reserved for Future Use) – Blank for now.

### 5.4 Challenges and Opportunities

Program Name	Program Challenges	Program Enhancements	Process Evaluations
OG&E Weatherization	Managing the quality of leads generated by the Clearinghouse	Blower Door Testing to establish CFM reduction on all homes	Yes. 10% of the homes weatherized under this program received a post inspection.
LivingWise ®	Teacher acceptance and usage on a timely basis	None	No
CER	Customer must have access to the internet.	Evaluate additional means and opportunities for the customer to enroll and participate in the program.	No
	Msapplied inputs.	Qualify with Direct Options on new methodologies available on limiting key entry errors or cross checking against accumulated statistics.	
	Consumer not educated on Home Energy Usage and or Measures.	Provide additional resources, literature and documentation that support energy efficiency within the home.	
	Measures the accuracy of home owners inputs mislead program on outputs for results		
Commercial Lighting	Meeting with each contractor / distributor on rebate opportunities.	None	The program since the beginning has had a upward growth as local commercial accounts and industrial consumers have reduce their demand through lighting upgrades. 100% of installations were verified.
Commercial Motors	Industrial budgets and economic downturns.	Changing program to incentive of \$5.00 per horsepower on 10-100 horsepower.	With the uptick in the economy, motor changeouts occurred through out the service territory. EPAC rules helped in educating industrial consumers on the advantages of high efficiency. 10% of all installations were verified.
Energy Efficiency Arkansas	Influencing contractors and consumers to participate in programs. Reaching customers in the OG&E Territory through print, radio, tv.	Focus and enhanced education to contractors.	No
CFL's	Closed CFL option on April 8, 2009		
AWP Weatherization	Lead Generation, Qualified Customers	Reduce requirements to generate more qualified leads and homes.	Yes. 10% of the homes weatherized under this program received a post inspection. CAP Agencies are audited by State Auditor.

### 5.5 Market Maturity

Program Name	Market Assessment		
	Present Program	Future Comprehensive Program	Maturity 10-Year Outlook
<b>OG&amp;E Weatherization Program</b>	OG&E Weatherization program impacted 3/10ths of 1% of the homes in the OG&E Service Territory of the Fort Smith area.	OG&E will provide 4290 homes with weatherization services over the next three years in their comprehensive filing.	At a rate of 4290 homes weatherized per year the OG&E weatherization Program could effectively cover the Fort Smith Territory in 18 years.
<b>Energy Efficiency Arkansas</b>	The focus on Education is continual. There needs to be a constant marketing presence educating the Consumer.	The focus on Education is continual. There needs to be a constant marketing presence educating the Consumer.	A saturation level will never be achieved. The market will continue to produce new home owners and energy users each year, all having the need to learn more about Energy Efficiency.
<b>LivingWise®</b>	The LivingWise Program reaches 1,199 students each year. This accounts for 59% of the 6th Graders in the Fort Smith Service Territory.	The LivingWise Program can be expanded to reach an additional 1,840 students each year, capturing 80%.	A saturation level will never be achieved. The market will continue to produce new students each year, all having the need to learn more about Energy Efficiency.
<b>Custom Energy Report</b>	The Custom Energy Report reached 58 homes out of 500 potential customers, achieving 11.6%.	Having mailed over 40,000 information letters to existing customers this program has reached a saturation level. OG&E does not feel as though additional mailings will benefit the consumer due to low response rate of mailing.	This program will only be utilized as a web-based tool and will not be offered as an ongoing program.
<b>Commercial Lighting</b>	The commercial lighting program has reached .002% of 9300 consumers in the Fort Smith Market. We had a total of 23 customers utilize the incentives offered for lighting.	OG&E will continue to reach out to educational, public authority, small commercial and light industrial customers with new and innovative lighting needs. The addition of energy efficient LED fixtures in the market, will help the consumer to have a variety of fixtures for their lighting.	A saturation level will never be achieved in the Commercial Lighting. New and innovative lighting controls, appliances and fixtures are continually being improved to help lower utility cost and increase building efficiency.
<b>Motor Replacement</b>	OG&E had a low impact in the motor market with only 21 motors being installed. We continued to provide assistance to Industrial consumers through lunch and learn seminars and informational meetings. OG&E continued to call on individual Manufacturers and Distributors for program awareness.	OG&E has revised their new comprehensive motor program by including 10-100 HP motors. With the broadening of the market scope, we worked to capture more of the scope of work performed in the industry. We will continue to plan training sessions and seminars on the benefits of high efficient motors. New HVAC tune-up programs with a Standard Offer Program will be put in place with the future Energy Efficiency Filing to help ease the cost of upgrades.	The Energy Policy Act of 1992 and The Energy Independence and Security Act of 2007 standards on 1-500 HP in 2010, will have a huge impact on the applications of motor installations. Premium efficient motor standards will become the new standard in energy efficiency. This will help the market saturation and will allow incentives to go away.
<b>AWP Weatherization</b>	Impacted 6/100ths of 1% of the homes in the OG&E Service Territory of the Fort Smith area. Based on 30,000 homes of eligibility for weatherization improvements and of that 10% of the homes being severely energy inefficient.	In the AWP Comprehensive program and additional 177 homes will be impacted, leaving 9823 available to be weatherized.	At a rate of 59 homes weatherized per year, AWP could effectively cover the Fort Smith area in 169 years, without any additional homes following into the severely energy inefficient.

### 5.6 Staffing

Names	Hours per week spent on Arkansas Programs	FTE
Program Management	40	1
DSM Management	7.5	.1875
Back Office Support	5	.125
Education Support	5	.125
<b>Total</b>	<b>57.5</b>	<b>1.4375</b>

Current staffing levels are sufficient to support the existing program. The 1 FTE working full time is able to meet the obligations a need to promote this program.

### 5.7 Stakeholder Activities

Date	Stakeholder	Number of Attendees	Purpose
12/11/2009	Weatherization Contractors	8	To train weatherization contractors on techniques of how to weatherize a home.
2/5/2010	Senior Citizens Group	51	To promote weatherization program among senior citizens.
3/16/2010	Lavaca Senior Citizen Group	63	To promote weatherization program to area senior citizens.
4/22/2010	Weatherization/ Education	207	Meeting with Carnall Elementary to promote energy efficiency through energy conservation.
5/25/2010	Weatherization Contractors	8	Training additional tips and techniques on air sealing of homes.
6/3/2010	Homebuilders / Remodelers	54	Promoting Energy Efficiency programs to area Homebuilders/ Remodelers.
12/6/2010	Weatherization Contractors	6	Training new contractor helpers on weatherization techniques
8/4/2010	Partners in Education	200+	Promoting Energy Efficiency Programs and teaching aids to Fort Smith Public School Teachers.
4/13/2010	Electrical Contractors	106	Table top display and conference on updating lighting in the Commercial Sector.
3/31/2010	Plant Engineers/ Maintenance Personnel	23	Training on Electricity and Greenhouse Gas Reduction
6/8/2010	Plant Engineers/ Maintenance Personnel	10	Industrial Greenhouse Gas Reductions



6/24/2010	Plant Engineers/ Maintenance Personnel	13	Compressed Air Systems Workshop
9/22/2010	Plant Engineers/ Maintenance Personnel	24	Reducing Your Industrial Energy Use – A management Approach
12/7/2010	Plant Engineers/ Maintenance	36	Pumping System Optimization Opportunities to Improve Life Cycle Performance.
4/8/2010	Plant Engineers/ Maintenance	81	Presentation on Motor Program at Baldor Energy Forum
8/30/2010	Maintenance Personnel	68	Presentation at Motion Industries for Motor Upgrades and Lighting Improvements
10/14/2010	Area Sales Representatives/ CEO and Area Managers	23	Presentation on Motor Program for Arkansas/ Oklahoma Territories.

### 5.8 Estimation of EE Resources Potential

OG&E uses demand side measures in the IRPs filed each year. One option of the demand side management includes the EE programs. The IRP filed in early 2010 outlined the EE program savings in both energy and peak reduction for the next 10 years. Combining the EE programs with other OG&E demand side programs (load Curtailment, Real-Time Pricing, Smart Power and Capacitor Controls) provides a comprehensive plan to reduce load through conservation efforts. These opportunities allow customers to receive savings on their utility bills or receive EE rebates for efficiency improvements. This IPR filing included the program goals for the EE program in both Oklahoma and Arkansas. As new EE programs are designed and approved, they will be integrated into the IRP planning to meet the systems energy requirements. These savings will continue over the lifetime of the improvements. This table shows the values included in the 2010 IRP plan.

	2011	2012
Peak Reduction (MW)	1.5	1.5
Energy Savings (MWH)	4,738	4,738

### 5.9 Information Provided to Consumers to Promote EE

Refer to the appendix 6.0 for examples used in the promotion of EE Programs.

## 6.0 APPENDIX

Attach as an appendix, any materials or documentation which is deemed useful in explaining or clarifying the results or performance of any program conducted during the program year. At minimum, the appendix should include any study or research relied upon in the delivery or EM&V of any program conducted during the program year. If any such items **include confidential information shall be redacted** in the public version of the document.

## Living Wise<sup>®</sup> Thank You card

### Parent Comment Cards

***As a parent, which aspect of the Program did you like best?***

*"...Saving water in the shower and kitchen faucet."*

Ericia Dawson, Alma Middle School

*"...children learning to conserve"*

Shirley Parent, Alma Middle School

*"...All are good but we prefer the CFL."*

Gene and Kay Short, Alma Middle School

*"...The toilet tablet was my favorite - to find out if my toilet was leaking."*

Pamela Wisdom, Alma Middle School

*"...The night light, because it is only 3 cents."*

Billy Joe Rice, Alma Middle School

*"...I liked the one on one time that we got to spend together filling out and doing the project."*

Terry Rankins, Alma Middle School

*"...It was really interesting how much energy we use and how we can save."*

Shelly Loomis, Alma Middle School

*"...I loved that you taught the children not only to help the environment, but also about saving money."*

Monaco Marston, Alma Middle School

*"...The idea that my child was able to come home and show us how energy efficient our home is or isn't."*

Jennifer Davis, Alma Middle School

*"...All of it."*

Marilyn Burns, Alma Middle School

*"...Saves Money"*

Tammy Perryman, Alma Middle School

*"...Water measurement of shower + checking of water temperature"*

Connie Grogg, Alma Middle School

*"...The light bulb"*

Kim Shankle, Alma Middle School

*"...Our child was excited to save energy."*

Denise Bednor, Alma Middle School

*"...My child was very aware of what it was for and why"*

Bonnie Reinschmiedt, Alma Middle School

*"...That my child was involved hands on from start to finish"*

Debbie Allen, Alma Middle School

*"...Teaching the kids energy saving tips and getting them involved first hand."*

Vicki Oliver, Alma Middle School

*"...Seeing the results of energy savings."*

Jason Davis, Alma Middle School

*"...Real life experiences that they can learn from."*

Brooke Lockhart, Alma Middle School

*"...I really like the hands on of the children's activities"*

Tracy Powell, Alma Middle School

*"...Learning and testing our household appliances together"*

Vadecia Kizer, Alma Middle School

*"...Teaching the kids to conserve energy"*

Angela Lee, Alma Middle School

*"...Seeing how cold or not ones refrigerator and water has to be"*

Aracely Rodriguez, Alma Middle School

*"...The showerhead was great"*

Chad Siler, Alma Middle School

*"...testing to see how energy efficient our house is."*

Tracy Hanna, Alma Middle School

*"...The night Light"*

Jennifer McDade, Alma Middle School

*"...The shower bag because it helps me know how much water I'm using."*

Brenda and Scott Baker, Alma Middle School

*"...The refrigerator temperature"*

Angela Lee, Alma Middle School

*"...Really enjoyed learning as a family many ways to save energy"*  
Amy Posey, Alma Middle School

*"...The learning experience for my child about energy saving tips. Maybe they will be more aware at home and be more responsible"*  
Rebecca Atwell, Alma Middle School

*"...Showing how much water was used when taking a shower."*  
Greg and Kim Willhite, Alma Middle School

*"...The water flow measurement. It showed ""hands on"" how much can be used or saved.""*  
Carl Carlson, Alma Middle School

*"...I think this was a good experiment for the children"*  
R Boyle, Alma Middle School

*"...The showerhead to save so much water is a good thing"*  
Harmony Dougan, Alma Middle School

*"...To teach our kids to save energy"*  
Sheila Standard, Alma Middle School

*"...Save Money and Water"*  
David L, Alma Middle School

*"...Teaching kids to not waste natural resources"*  
Mindi B, Alma Middle School

*"...It raises awareness."*  
Mishelle Cauldwell, Alma Middle School

*"...We both learned new ways to conserve energy"*  
Liz Tobler, Alma Middle School

*"...This was something that my child was excited about and we could do together"*  
Dockey Brasher, Alma Middle School

*"...Good lesson in conservation"*  
Laurie and Greg Burrows, Alma Middle School

*"...being able to work on something with my child."*  
Paula Cooper Schuman, Alma Middle School

*"...My child taking an interest in being more efficient"*  
Machele Dotson, Alma Middle School

*"...Teaching today's kids how to save energy and the importance of saving"*  
Cody Walker, Alma Middle School

*"...Children learning how to save and conserve energy and other resources"*  
Robert and Jennifer Bailey, Alma Middle School

*"...I liked the night light because it uses less money and energy"*  
Betty Fisher, Alma Middle School

*"...I liked how they told how many gallons of water we used per minute"*  
Ralene Billings-Crovela, Alma Middle School

**Are there any comments you would like to express to your child's Program Sponsor?**

*"...Thank you so much for educating our children on the importance of conserving our energy."*  
Ericia Dawson, Alma Middle School

*"...I think that this is a great program and I'm thankful for the attention that is being brought to conserving energy."*  
Terry Rankins, Alma Middle School

*"...I'm thankful that you are looking out for our children to become more aware of the importance of our environment!"*  
Monaco Marston, Alma Middle School

*"...Thanks for the kit. It gave us family time and I learned a lot from my son. He really showed an interest in conservation at home."*  
Connie Grogg, Alma Middle School

*"...Thank you for giving the kit to our family."*  
Kevin Ross, Alma Middle School

*"...This is a great program."*  
Jason Davis, Alma Middle School

*"...Glad to see more hands-on projects. You Rock!"*  
Brooke Lockhart, Alma Middle School

*"...and as a parent I enjoyed learning about saving energy. The activities show things that we do not think about on a daily basis"*  
Tracy Powell, Alma Middle School

*"...Enjoyed learning about being energy efficient."*  
Tracy Hanna, Alma Middle School

*"...Thank you for showing our kids easy ways to conserve."*

Jaelene La Rue, Alma Middle School

*"...I really like the program and hope you keep using it for local schools."*

Susan and William Newton, Alma Middle School

*"...Feel this program is very useful and worthwhile. Hope it continues for years to come."*

Amy Posey, Alma Middle School

*"...I would like to say thank you because now my child knows how to save money and we don't have to waste any more money"*

Donald Steele, Alma Middle School

*"...It's never too early to show children small things that make a difference."*

Staci Huff, Alma Middle School

*"...Keep showing children ways to conserve energy"*

Robert Winfray, Alma Middle School

*"...Thanks for providing such a great experiment!"*

Carl Carlson, Alma Middle School

## Weatherization



Community Services Clearinghouse \* 4420 Wheeler Avenue \* P.O. Box 1522 \* Fort Smith, AR 72902

(479)782-5074 \* Fax (479)782-7801

January 28, 2011

Randall Warren  
Commercial Operations  
Manager, Products and Programs  
321 N. Harvey  
Oklahoma City, OK 73101

Dear Mr. Warren:

I wanted to express the deep appreciation of Community Services Clearinghouse for allowing us to participate in the OG&E Weatherization Project, and give you a report of the impact this program has made. First, our part is exceptionally easy – answer the phone, ask a few questions, record the answers, send in the list by email, and we’re done. Second, the reward is great. Robin Arnold brings us a check about once a month, and our faces light up. Our board of directors also enjoys the benefits, and congratulates us, when in fact, our job is easy.

Now for the economic impact: We did not budget the impact of the OG&E program in 2010 because we had no idea what the return would be. That being said, we ended the 2010 year \$67,000 ahead of budget, a new record for us. The fact is, \$61,450 of that was from the weatherization project. We can’t brag about the \$6,500 proceeds that we actually generated, but your part makes us look really good.

So what is the end result? We are able to help many more children who would otherwise be hungry on the weekends. We are able to help many more working and fixed-income families who are having trouble meeting their monthly bills. We are able to help many more elderly families and families dealing with cancer to have food to supplement whatever sources they may have.

The fact that our faces light up does not mean nearly as much as seeing the faces of the children and families we are able to help, and for that we thank you very much. Please know that the money you are spending on this program not only helps people conserve on their electricity usage, but helps families go to bed with food in their stomachs, and sleep well in a warm house.

Sincerely,  
*Rick Foti*  
Rick Foti  
Executive Director



[www.cscclearinghouse.org](http://www.cscclearinghouse.org)

Rick Foti, Executive Director  
[rick.foti@cscclearinghouse.org](mailto:rick.foti@cscclearinghouse.org)





# Weatherization Forms



## ARKANSAS WEATHERIZATION PROGRAM QUALITY CONTROL FORM

Final Verification Date: 10.27.10 Verified by: [Signature]  
Weatherized by: PK COUST

Customer Name (Name on Bill): WALTER F. POOR Phone 479-304-0639  
Service Address: 3525 N. 29<sup>TH</sup> City Ft. Smith Account Number 1977139

<b>Residence Type</b> Single Family <input checked="" type="checkbox"/> Duplex <input type="checkbox"/> Multi-Family <input type="checkbox"/> Mobile Home <input type="checkbox"/>	<b>Structure:</b> One Story <input type="checkbox"/> Two Story <input checked="" type="checkbox"/>	<b>Cooling System:</b> Central Unit <input checked="" type="checkbox"/> Window <input type="checkbox"/> None <input type="checkbox"/> <b>Heating System:</b> Electric <input type="checkbox"/> Gas <input type="checkbox"/> Other <input checked="" type="checkbox"/> <b>Water Heating:</b> Electric <input type="checkbox"/> Gas <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/>
Carbon Monoxide Detector Installed Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> CO detected in home Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<b>Lighting</b> Yes <input type="checkbox"/> 14-18w <input type="checkbox"/> 19-21w <input type="checkbox"/> 22-26w <input type="checkbox"/> 28-20w <input type="checkbox"/> No <input checked="" type="checkbox"/>	<b>Cooling System:</b> No Action <input type="checkbox"/> A/C Tune-up <input checked="" type="checkbox"/> <b>Heating System:</b> No Action <input type="checkbox"/> Furnace Tune-up <input checked="" type="checkbox"/> <b>Ducts Checked:</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <b>Water Heating:</b> No Action <input checked="" type="checkbox"/> Pipe Insulation Added <input type="checkbox"/> Water Heater Blanket Added <input type="checkbox"/>

Windows: Repaired # <u>0</u> Replaced # <u>0</u> <b>Building Thermal:</b> Weather Stripping Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Threshold Installed Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Windows Caulked Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<b>Insulation</b> R-Value or Thickness (inches) Attic <u>38</u> Ducts _____
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**General comments**  
Thank you for everything! I believe this will lower my utility bills and make the house more comfortable.

**BLOWER DOOR TEST**

Depressurization \_\_\_\_\_ Pressurization \_\_\_\_\_ # Occupants \_\_\_\_\_ # Bedrooms \_\_\_\_\_  
 Indoor Temp \_\_\_\_\_ °F Floor area (sq.ft) \_\_\_\_\_ X Ceiling Height \_\_\_\_\_ = Volume \_\_\_\_\_  
 Outdoor Temp \_\_\_\_\_ °F  
 Pre-Test CFM<sup>50</sup>: \_\_\_\_\_ Post-Test CFM<sup>50</sup>: \_\_\_\_\_  
 ACH<sup>50</sup> \_\_\_\_\_ (Post CFM<sup>50</sup> x 60 / Volume) NACH<sup>50</sup> \_\_\_\_\_ (Post CFM<sup>50</sup> x 60 / n / Volume) n = 20 or (CFM<sup>50</sup> x 3 / Volume)

Customer Signature: [Signature] Date: 10.27.10



# Weatherization Forms



## ARKANSAS WEATHERIZATION PROGRAM QUALITY CONTROL FORM

Final Verification Date: 10-27-10 Verified by: Robyn Kain  
Weatherized by: DK Coust

Customer Name (Name on Bill): Wisty Rogers Phone 479-650-9482  
Service Address: 3417 Edinburgh City Ft. Smith Account Number 131393

<b>Residence Type</b> Single Family <input checked="" type="checkbox"/> Duplex <input type="checkbox"/> Multi-Family <input type="checkbox"/> Mobile Home <input type="checkbox"/>	<b>Structure:</b> One Story <input checked="" type="checkbox"/> Two Story <input type="checkbox"/>	<b>Cooling System:</b> Central Unit <input checked="" type="checkbox"/> Window <input type="checkbox"/> None <input type="checkbox"/> <b>Heating System:</b> Electric <input checked="" type="checkbox"/> Gas <input type="checkbox"/> Other <input type="checkbox"/> <b>Water Heating:</b> Electric <input checked="" type="checkbox"/> Gas <input type="checkbox"/> Other <input type="checkbox"/>
Carbon Monoxide Detector Installed Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> CO detected in home Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<b>Cooling System:</b> No Action <input type="checkbox"/> A/C Tune-up <input checked="" type="checkbox"/> <b>Heating System:</b> No Action <input type="checkbox"/> Furnace Tune-up <input checked="" type="checkbox"/> Ducts Checked: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<b>Cooling System:</b> No Action <input type="checkbox"/> A/C Tune-up <input checked="" type="checkbox"/> <b>Heating System:</b> No Action <input type="checkbox"/> Furnace Tune-up <input checked="" type="checkbox"/> Ducts Checked: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
<b>Lighting</b> Yes <input checked="" type="checkbox"/> 14-18w <input checked="" type="checkbox"/> 19-21w <input type="checkbox"/> 22-26w <input type="checkbox"/> 28-28w <input type="checkbox"/> No <input type="checkbox"/>	<b>Water Heating:</b> No Action <input type="checkbox"/> Pipe Insulation Added <input checked="" type="checkbox"/> Water Heater Blanket Added <input type="checkbox"/>	

Windows: Repaired # <u>1</u> Replaced # <u>    </u> <b>Building Thermal:</b> Weather Stripping Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Threshold Installed Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Windows Caulked Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<b>Insulation</b> R-Value or Thickness (inches) Attic <u>38</u> Ducts <u>    </u>
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**General comments**  
 Very pleased w the work & respect of your contractors. They did a wonderful job and were very helpful.

**BLOWER DOOR TEST**

Depressurization      Pressurization      # Occupants      # Bedrooms       
 Indoor Temp      °F Floor area (sq.ft)      X Ceiling Height      = Volume       
 Outdoor Temp      °F  
 Pre-Test CFM<sup>50</sup>:      Post-Test CFM<sup>50</sup>:       
 ACH<sup>50</sup>      (Post CFM<sup>50</sup> x 60 / Volume) NACH<sup>50</sup>      (Post CFM<sup>50</sup> x 60 / n / Volume) n = 20 or (CFM<sup>50</sup> x 3 / Volume)

Customer Signature: [Signature] Date: 10-27-10



# Weatherization Forms



## ARKANSAS WEATHERIZATION PROGRAM QUALITY CONTROL FORM

Final Verification Date: 10-28-10 Verified by: [Signature]

Weatherized by: DK Const

Customer Name (Name on Bill): Markin Richardson Phone 479-646-5482

Service Address: 3218 So. 41<sup>st</sup> St. City Ft Smith Account Number 103924

<b>Residence Type</b> Single Family <input checked="" type="checkbox"/> Duplex <input type="checkbox"/> Multi-Family <input type="checkbox"/> Mobile Home <input type="checkbox"/>	<b>Structure:</b> One Story <input checked="" type="checkbox"/> Two Story <input type="checkbox"/>	<b>Cooling System:</b> Central Unit <input checked="" type="checkbox"/> Window <input type="checkbox"/> None <input type="checkbox"/> <b>Heating System:</b> Electric <input type="checkbox"/> Gas <input checked="" type="checkbox"/> Other <input type="checkbox"/> <b>Water Heating:</b> Electric <input type="checkbox"/> Gas <input checked="" type="checkbox"/> Other <input type="checkbox"/>
Carbon Monoxide Detector Installed Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> CO detected in home Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<b>Lighting</b> Yes <input checked="" type="checkbox"/> 14-18w <input checked="" type="checkbox"/> 19-21w <input type="checkbox"/> 22-25w <input type="checkbox"/> 26-28w <input type="checkbox"/> No <input type="checkbox"/>	<b>Cooling System:</b> No Action <input type="checkbox"/> A/C Tune-up <input checked="" type="checkbox"/> <b>Heating System:</b> No Action <input checked="" type="checkbox"/> Furnace Tune-up <input type="checkbox"/> <b>Ducts Checked:</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <b>Water Heating:</b> No Action <input checked="" type="checkbox"/> Pipe Insulation Added <input type="checkbox"/> Water Heater Blanket Added <input type="checkbox"/>

Windows: Repaired # <u>0</u> Replaced # <u>0</u> <b>Building Thermal:</b> Weather Stripping Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Threshold Installed Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Windows Caulked Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<b>Insulation</b> R-Value or Thickness (Inches) Attic <u>38</u> Ducts _____
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**General comments**  
*We are most appreciative of this service -- We are certainly impressed with the crew that did the work -- Very nice & efficient --*

**BLOWER DOOR TEST**

Depressurization \_\_\_\_\_ Pressurization \_\_\_\_\_ # Occupants \_\_\_\_\_ # Bedrooms \_\_\_\_\_  
 Indoor Temp \_\_\_\_\_ °F Floor area (sq.ft) \_\_\_\_\_ X Ceiling Height \_\_\_\_\_ = Volume \_\_\_\_\_  
 Outdoor Temp \_\_\_\_\_ °F  
 Pre-Test CFM<sup>m</sup>: \_\_\_\_\_ Post-Test CFM<sup>m</sup> \_\_\_\_\_  
 ACH<sup>m</sup> \_\_\_\_\_ (Post CFM<sup>m</sup> x 60 / Volume) NACH<sup>m</sup> \_\_\_\_\_ (Post CFM<sup>m</sup> x 60 / n / Volume) n = 20 or (CFM<sup>m</sup> x 3 / Volume)

Customer Signature: [Signature] Date: 10-28-10





# Weatherization Forms

Final Verification Date: 1-5-11 Verified by: Denny  
 Weatherized by: Jordan a Cheson

Customer Name (Name on Bill): Fern 2 pp Phone 353 3298  
 Service Address: 4716 South C St City H Smith Account Number \_\_\_\_\_

<b>Residence Type</b> Single Family <input checked="" type="checkbox"/> Duplex <input type="checkbox"/> One Story <input checked="" type="checkbox"/> Multi-Family <input type="checkbox"/> Mobile Home <input type="checkbox"/> Two Story <input type="checkbox"/>	<b>Structure:</b> One Story <input checked="" type="checkbox"/> Two Story <input type="checkbox"/>	<b>Cooling System:</b> Central Unit <input checked="" type="checkbox"/> Window <input type="checkbox"/> None <input type="checkbox"/> <b>Heating System:</b> Electric <input type="checkbox"/> Gas <input checked="" type="checkbox"/> Other <input type="checkbox"/> <b>Water Heating:</b> Electric <input type="checkbox"/> Gas <input checked="" type="checkbox"/> Other <input type="checkbox"/>
<b>Carbon Monoxide Detector Installed</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <b>CO detected in home</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Smoke <u>Smoker</u>	<b>Cooling System:</b> No Action <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <b>Heating System:</b> No Action <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Duct Leaks: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<b>Cooling System:</b> No Action <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <b>Heating System:</b> No Action <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <b>Water Heating:</b> No Action <input checked="" type="checkbox"/> Pipe Insulation Added <input type="checkbox"/> Water Heater Blanket Added <input type="checkbox"/>

Lighting  
 Yes  14-18w  19-21w  22-25w  26-28w   
 No

Windows: Repaired # _____ Replaced # _____ <b>Building Thermal:</b> Weather Stripping Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Threshold Installed Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Windows Caulked Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<b>Insulation</b> R-Value or Thickness (inches) Attic <u>19</u> <u>6</u> Ducts _____
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General comments  
Great job

Depressurization \_\_\_\_\_ Pressurization \_\_\_\_\_ # Occupants \_\_\_\_\_ # Bedrooms \_\_\_\_\_  
 Indoor Temp \_\_\_\_\_ °F  
 Outdoor Temp \_\_\_\_\_ °F  
 Pre-Test CFM<sup>50</sup>: \_\_\_\_\_  
 ACH<sup>50</sup> \_\_\_\_\_ (Post CFM<sup>50</sup> x 60 / Volume) NACH<sup>50</sup> \_\_\_\_\_ (Post CFM<sup>50</sup> x 60 / n / Vol)

Customer Signature: [Signature]

Final Verification Date: 1-6-11 Verified by: Denny  
 Weatherized by: Helen Hannegan Denny Jordan a Cheson

Customer Name (Name on Bill): Helen Hannegan Phone 782-3746  
 Service Address: 2901 High St City H. Smith Account Number \_\_\_\_\_

<b>Residence Type</b> Single Family <input checked="" type="checkbox"/> Duplex <input type="checkbox"/> One Story <input checked="" type="checkbox"/> Multi-Family <input type="checkbox"/> Mobile Home <input type="checkbox"/> Two Story <input type="checkbox"/>	<b>Structure:</b> One Story <input checked="" type="checkbox"/> Two Story <input type="checkbox"/>	<b>Cooling System:</b> Central Unit <input type="checkbox"/> Window <input type="checkbox"/> None <input type="checkbox"/> <b>Heating System:</b> Electric <input type="checkbox"/> Gas <input checked="" type="checkbox"/> Other <input type="checkbox"/> <b>Water Heating:</b> Electric <input type="checkbox"/> Gas <input checked="" type="checkbox"/> Other <input type="checkbox"/>
<b>Carbon Monoxide Detector Installed</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <b>CO detected in home</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<b>Cooling System:</b> No Action <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <b>Heating System:</b> No Action <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Duct Leaks: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<b>Cooling System:</b> No Action <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <b>Heating System:</b> No Action <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <b>Water Heating:</b> No Action <input checked="" type="checkbox"/> Pipe Insulation Added <input type="checkbox"/> Water Heater Blanket Added <input type="checkbox"/>

Lighting  
 Yes  14-18w  19-21w  22-25w  26-28w   
 No

Windows: Repaired # _____ Replaced # _____ <b>Building Thermal:</b> Weather Stripping Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Threshold Installed Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Windows Caulked Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<b>Insulation</b> R-Value or Thickness (inches) Attic <u>19</u> <u>6</u> Ducts _____
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General comments  
Thank you - all done a good clean job

Depressurization \_\_\_\_\_ Pressurization \_\_\_\_\_ # Occupants \_\_\_\_\_ # Bedrooms \_\_\_\_\_  
 Indoor Temp \_\_\_\_\_ °F  
 Outdoor Temp \_\_\_\_\_ °F  
 Pre-Test CFM<sup>50</sup>: \_\_\_\_\_  
 ACH<sup>50</sup> \_\_\_\_\_ (Post CFM<sup>50</sup> x 60 / Volume) NACH<sup>50</sup> \_\_\_\_\_ (Post CFM<sup>50</sup> x 60 / n / Volume) n = 20 or (CFM<sup>50</sup> x 3 / Volume)

Customer Signature: Helen Hannegan Date: 1-6-2011

# Weatherization Forms

Final Verification Date: 1-13-11 Verified by: [Signature]  
 Weatherized by: Jordan & Chase

Customer Name (Name on Bill): [Signature] Phone [Signature]  
 Service Address: [Signature] City [Signature] Account Number [Signature]

Residence Type Single Family <input type="checkbox"/> Duplex <input type="checkbox"/> Multi-Family <input type="checkbox"/> Mobile Home <input type="checkbox"/>	Structure: One Story <input checked="" type="checkbox"/> Two Story <input type="checkbox"/>	Cooling System: Central Unit <input type="checkbox"/> Window <input type="checkbox"/> None <input type="checkbox"/> Heating System: Electric <input type="checkbox"/> Gas <input type="checkbox"/> Other <input type="checkbox"/> Water Heating: Electric <input type="checkbox"/> Gas <input type="checkbox"/> Other <input type="checkbox"/>
Carbon Monoxide Detector Installed CO detected in home Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	Cooling System: No Action <input type="checkbox"/> Heating System: No Action <input type="checkbox"/> Water Heating: No Action <input type="checkbox"/> Pipe Insulation Added <input type="checkbox"/> Water Heater Blanket Added <input type="checkbox"/>	
Lighting Yes <input type="checkbox"/> 14-18w <input type="checkbox"/> 19-21w <input type="checkbox"/> 22-25w <input type="checkbox"/> 26-28w <input type="checkbox"/> No <input type="checkbox"/>		

Windows: Repaired #     Replaced #    

Building Thermal: Weather Stripping Yes <input type="checkbox"/> No <input type="checkbox"/> Threshold Installed Yes <input type="checkbox"/> No <input type="checkbox"/> Windows Caulked Yes <input type="checkbox"/> No <input type="checkbox"/>	Insulation R-Value or Thickness (inches) Attic <u>   </u> Ducts <u>   </u>
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General comments  
[Signature]

**BLOWER DOOR TEST**

Depressurization     Pressurization     # Occupants     # Bedrooms      
 Indoor Temp     °F  
 Outdoor Temp     °F  
 Pre-Test CFM<sup>50</sup>:      
 ACH<sup>50</sup>     (Post CFM<sup>50</sup> x 60 / Volume) NACH<sup>50</sup>     (Post CFM<sup>50</sup> x 60 / n / Volume)

Final Verification Date: 4-13-11 Verified by: [Signature]  
 Weatherized by: Jordan & Chase

Customer Name (Name on Bill): Lawson, Rocky Phone 462-8993  
 Service Address: 1812 S Boston St. City H. Smith Account Number    

Residence Type Single Family <input checked="" type="checkbox"/> Duplex <input type="checkbox"/> Multi-Family <input type="checkbox"/> Mobile Home <input type="checkbox"/>	Structure: One Story <input checked="" type="checkbox"/> Two Story <input type="checkbox"/>	Cooling System: Central Unit <input type="checkbox"/> Window <input type="checkbox"/> None <input type="checkbox"/> Heating System: Electric <input type="checkbox"/> Gas <input checked="" type="checkbox"/> Other <input type="checkbox"/> Water Heating: Electric <input type="checkbox"/> Gas <input checked="" type="checkbox"/> Other <input type="checkbox"/>
Carbon Monoxide Detector Installed CO detected in home Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Cooling System: No Action <input type="checkbox"/> Heating System: No Action <input checked="" type="checkbox"/> Water Heating: No Action <input type="checkbox"/> Pipe Insulation Added <input type="checkbox"/> Water Heater Blanket Added <input type="checkbox"/>	
Lighting Yes <input type="checkbox"/> 14-18w <input type="checkbox"/> 19-21w <input type="checkbox"/> 22-25w <input type="checkbox"/> 26-28w <input type="checkbox"/> No <input checked="" type="checkbox"/>		

Windows: Repaired #     Replaced #    

Building Thermal: Weather Stripping Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Threshold Installed Yes <input type="checkbox"/> No <input type="checkbox"/> Windows Caulked Yes <input type="checkbox"/> No <input type="checkbox"/>	Insulation R-Value or Thickness (inches) Attic <u>30</u> Ducts <u>8</u>
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General comments  
The guys were very nice & professional

**BLOWER DOOR TEST**

Depressurization     Pressurization     # Occupants     # Bedrooms      
 Indoor Temp     °F  
 Outdoor Temp     °F  
 Pre-Test CFM<sup>50</sup>:      
 ACH<sup>50</sup>     (Post CFM<sup>50</sup> x 60 / Volume) NACH<sup>50</sup>     (Post CFM<sup>50</sup> x 60 / n / Volume) n = 20 or (CFM<sup>50</sup> x 3 / Volume)





# Weatherization Forms

Final Verification Date: 12-31-10 Verified by: Danny

Weatherized by: Jordan, Danny & Chase

Customer Name (Name on Bill): Lorri Armstrong Phone 719-7924

Service Address: 2826 Kendall Ave City St Smith Account Number \_\_\_\_\_

<b>Residence Type</b> Single Family <input checked="" type="checkbox"/> Duplex <input type="checkbox"/> Multi-Family <input type="checkbox"/> Mobile Home <input type="checkbox"/>	<b>Structure:</b> One Story <input checked="" type="checkbox"/> Two Story <input type="checkbox"/>	<b>Cooling System:</b> Central Unit <input checked="" type="checkbox"/> Window <input type="checkbox"/> None <input type="checkbox"/> <b>Heating System:</b> Electric <input checked="" type="checkbox"/> Gas <input type="checkbox"/> Other <input type="checkbox"/> <b>Water Heating:</b> Electric <input checked="" type="checkbox"/> Gas <input type="checkbox"/> Other <input type="checkbox"/>
<b>Carbon Monoxide Detector Installed</b> Yes <input type="checkbox"/> No <input type="checkbox"/> CO detected in home Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <u>Smoke x 2</u>	Lighting Yes <input checked="" type="checkbox"/> 14-18w <u>4</u> 19-21w _____ 22-25w _____ 26-28w _____ No <input type="checkbox"/>	<b>Cooling System:</b> No Action <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <b>Heating System:</b> No Action <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Pipe Insulation Added <input type="checkbox"/> Water Heater Blanket Added <input type="checkbox"/>

<b>Windows:</b> Repaired # _____ Replaced # _____ <b>Building Thermal:</b> Weather Stripping Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Threshold Installed Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Windows Caulked Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<b>Insulation</b> R-Value or Thickness (inches) Attic <u>19</u> <u>6</u> Ducts _____
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**General comments**

Very Good Group of Guys.

Great Work.

Everybody was Very Nice.

**BLOWER DOOR TEST**

Depressurization \_\_\_\_\_ Pressurization \_\_\_\_\_ # Occupants \_\_\_\_\_ # Bedrooms \_\_\_\_\_

Indoor Temp \_\_\_\_\_ °F \_\_\_\_\_ sqft \_\_\_\_\_ ft height \_\_\_\_\_ = Volume \_\_\_\_\_

Outdoor Temp \_\_\_\_\_ °F

Pre-Test CFM<sup>50</sup>: \_\_\_\_\_

ACH<sup>50</sup> \_\_\_\_\_ (Post CFM<sup>50</sup> x 60 / Volume) NACH<sup>50</sup> \_\_\_\_\_ (Post CFM<sup>50</sup> x 60 / n / Volume) n = 20 or (CFM<sup>50</sup> x 3 / Volume)

Customer Signature: [Signature]



# Commercial Lighting

## Contractor Information Sheet



### Arkansas Commercial Lighting Program

Commercial Lighting Rebate Submission Form

**CUSTOMER:**

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_ City, ST Zip: \_\_\_\_\_

Contact Person: \_\_\_\_\_ Phone: \_\_\_\_\_

**WORK SITE:**

Meter # or Customer Acct #: \_\_\_\_\_ Annual Operation Hours: \_\_\_\_\_

Location/Building/Site Name: \_\_\_\_\_

Address: \_\_\_\_\_ City, ST Zip: \_\_\_\_\_

**CONTRACTOR:**

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_ City, ST Zip: \_\_\_\_\_

Contact Person: \_\_\_\_\_ Phone: \_\_\_\_\_

Total Project Pre # Lamps	_____	Total Project Pre kW	_____
Total Project Post # of Lamps	_____	Total Project Post kW	_____
Total Project # Lamps Paid	_____	Total Project kW Reduced	_____
		Total Project kWhr Reduced	_____
		Total Project Rebate \$2 per Replacement Lamp	_____

**CERTIFICATION:**

By signing and submitting this document along with the 'Retrofit Work Detail Sheet', you are agreeing that the work has been performed as outlined on the 'Retrofit Work Detail Sheet', and is satisfactory to the customer, meets all applicable Electrical Codes.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Name Printed

Return to: Robin Arnold  
[arnoldrk@oge.com](mailto:arnoldrk@oge.com)

7200 HWY 45 South  
Fort Smith, Arkansas 72916

Phone: 479-649-2838  
Fax: 479-649-5307

# Motors

## Contractor Information Sheet



Work Order Submission Form  
ARKANSAS

### Motor Distributor

**MOTOR DISTRIBUTOR**

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

City, ST Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

Contact Person: \_\_\_\_\_

**CUSTOMER:**

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

City, ST Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Contract Account #: \_\_\_\_\_

**WORK SITE:**

Site Name: \_\_\_\_\_

Address: \_\_\_\_\_

City, ST Zip: \_\_\_\_\_

**CERTIFICATION:**

By signing and submitting this document along with the 'Retrofit Work Detail Sheet', you are agreeing that the work has been performed as outlined on the 'Retrofit Work Detail Sheet', and is satisfactory to the customer, meets all applicable Electrical Codes.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Name Printed