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May 1, 2015

Mr. Dan Wolf  
Executive Secretary  
Minnesota Public Utilities Commission  
121 Seventh Place East, Suite 350  
St. Paul, MN 55101-2147

Mr. William Grant  
Director  
Division of Energy Resources  
Minnesota Department of Commerce  
85 Seventh Place East, Suite 500  
St. Paul, MN 55101-2198

Re: Docket No. G004/M-15-\_\_\_\_\_  
CIP Tracker and Demand Side  
Management Incentive

Docket No. G004/CIP-12-573  
2014 Conservation Improvement Program  
Status Report

Dear Mr. Wolf and Mr. Grant:

Great Plains Natural Gas Co. (Great Plains), a Division of MDU Resources Group, Inc., herewith electronically files its 2014 Conservation Improvement Program (CIP) Status Report for the period of January 1, 2014 through December 31, 2014, its 2014 Conservation Improvement Program (CIP) Tracker filing (CCRA), and the Demand Side Management (DSM) Incentive for the period of January 1, 2014 through December 31, 2014.

The 2014 CIP expenditures were \$327,380, which exceeds the minimum spending requirement of \$151,847. Great Plains' programs provided total annual energy savings of 19,788 dk, which was 36,658 dk less than the authorized level.

The CIP Tracker filing reflects a proposed CCRA of \$0.0011 per dk, which is a decrease of \$0.0736 per dk from the current CCRA. For a typical residential customer using 78 dk per year, this reflects a decrease of \$5.84 annually or \$0.49 per month. Great Plains requests that the proposed CCRA be implemented September 1, 2015. Attachment A

provides the Conservation Improvement Program Adjustment Clause tariff, 6<sup>th</sup> Revised Sheet No. 5-112.

Great Plains DSM Financial Incentive meets the four considerations required pursuant to Minnesota Statute, Section 216B.16. The net benefit derived from Great Plains' 2014 CIP program is \$898,771 which qualifies the Company to receive an incentive of \$42,180 for the 2014 CIP program year.

This filing includes the 2014 CIP Status Report, CIP Tracker filing, and CIP Demand-Side Management Incentive filing with all supporting attachments.

Please refer all inquiries regarding this filing to:

Ms. Tamie A. Aberle  
Director of Regulatory Affairs  
Great Plains Natural Gas Co.  
400 North Fourth Street  
Bismarck, ND 58501

Great Plains respectfully requests this filing be accepted as being in full compliance with the filing requirements of this Commission and the Department of Commerce.

Sincerely,

*/s/ Tamie A. Aberle*

Tamie A. Aberle  
Director of Regulatory Affairs

cc: Brian M. Meloy

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**GREAT PLAINS NATURAL GAS CO.  
2014 CIP STATUS REPORT**

Pursuant to Minnesota Statute 7690.0550 and the Minnesota Department of Commerce, Division of Energy Resources (Department) October 19, 2012 Decision and May 13, 2013 Decision in Docket G004/CIP-12-573, Great Plains submits this status report on its Conservation Improvement Program (CIP). This report covers the 2014 CIP year, January 1, 2014 through December 31, 2014.

**I. Overall Summary:**

The approved 2014 budget for the CIP was \$827,718 while Great Plains' actual expenditures for the twelve month period ending December 31, 2014 were \$327,380, which exceeds the minimum spending requirement of \$151,847. The low income expenditures of \$69,905 exceeded the minimum spending requirement of \$54,662 established in the 2013 legislation. Please see Attachment B for a summary of the details of the expenditures, participants and decatherm (dk) savings for 2014.

Great Plains achieved 39.6 percent of its total expenditure goal and 41.2 percent of its Low Income expenditure goal, as demonstrated below:

	Expenditures			% of Authorized
	Authorized	Actual	Difference	
<b>Residential and Small Commercial</b>				
Space Heating Equipment	\$161,955	\$142,181	(\$19,774)	87.8%
Water Heating Equipment	13,878	12,504	(1,374)	90.1%
Attic Insulation and Bypass	8,404	509	(7,895)	6.1%
Pilotless Fireplace	1,575	209	(1,366)	13.3%
Residential Energy Assessment	22,761	4,243	(18,518)	18.6%
Residential Low Income Programs	169,689	69,905	(99,784)	41.2%
Total Residential	<u>\$378,262</u>	<u>\$229,551</u>	<u>(\$148,711)</u>	<u>60.7%</u>
<b>Commercial &amp; Industrial</b>				
Space Heating Equipment	42,932	81,302	38,370	189.4%
Water Heating Equipment	2,833	1,739	(\$1,094)	61.4%
Commercial Boiler Equipment	27,392	6,963	(20,429)	25.4%
Foodservice Equipment	4,507	0	(4,507)	0.0%
Custom	309,087	0	(309,087)	0.0%
Building Certification Program	5,152	0	(5,152)	0.0%
Commercial Energy Assessment	12,235	3,947	(8,288)	32.3%
Industrial Energy Assessment	19,318	0	(19,318)	0.0%
Total Commercial	<u>\$423,456</u>	<u>\$93,951</u>	<u>(\$329,505)</u>	<u>22.2%</u>
CIP Assessments	<u>26,000</u>	<u>3,878</u>	<u>(22,122)</u>	<u>14.9%</u>
Total CIP Program	<u><u>\$827,718</u></u>	<u><u>\$327,380</u></u>	<u><u>(\$500,338)</u></u>	<u><u>39.6%</u></u>

Great Plains achieved 35.1 percent of its 2014 authorized savings target.

	Dk Savings			% of Authorized
	Authorized	Actual	Difference	
<b>Residential and Small Commercial</b>				
Space Heating Equipment	10,019	9,033	(986)	90.2%
Water Heating Equipment	3,109	2,703	(406)	86.9%
Attic Insulation and Bypass	372	6	(366)	1.6%
Pilotless Fireplace	66	9	(57)	13.6%
Residential Energy Assessment	0	0	0	0.0%
Residential Low Income Programs	1,649	561	(1,088)	34.0%
Total Residential	15,215	12,312	(2,903)	80.9%
<b>Commercial &amp; Industrial</b>				
Space Heating Equipment	3,295	3,536	241	107.3%
Water Heating Equipment	151	469	318	310.6%
Commercial Boiler Equipment	5,320	3,471	(1,849)	65.2%
Foodservice Equipment	465	0	(465)	0.0%
Custom	32,000	0	(32,000)	0.0%
Building Certification Program	0	0	0	0.0%
Commercial Energy Assessment	0	0	0	0.0%
Industrial Energy Assessment	0	0	0	0.0%
Total Commercial	41,231	7,476	(33,755)	18.1%
<b>CIP Assessments</b>				
Total CIP Program	56,446	19,788	(36,658)	35.1%

The overall dk savings achieved was 19,788 dk, which is less than the authorized goal of 56,446 dk for the year; however it is a 32 percent increase in dk savings over the 2013 program. In summary, Great Plains achieved:

- The Residential and Small Commercial Space Heating program provided additional dk savings over last year with \$3,665 less in expenditures decreasing the cost per dk from \$16.81 in 2013 to \$15.74 in 2014.
- Renter participation achieved 327.3 percent of the dk savings goal with 300.9 percent of the expenditure goal.
- The Commercial Boiler Equipment program provided additional savings of 2,520 dk with \$3,137 less expenditures than in 2013, decreasing its cost per dk from \$10.62 to \$2.01.
- 288 more customers participated in the Conservation Improvement Program in 2014 as compared to 2013.
- The total portfolio cost per dk decreased from \$25.31 in 2013 to \$16.54 in 2014.

Great Plains worked with one large custom project in 2014; however the final installation was delayed into 2015. The large project qualified for measurement and verification

(M&V) and the M&V plan was submitted to and approved by the Minnesota Department Commerce- Division of Energy Resources in 2014. The project commissioning was delayed into early 2015 and the M&V should be completed in the fall of 2015. The project is expected to have a significant impact on Great Plains' energy savings in 2015.

In addition, during late 2014 and early 2015, Franklin Energy performed a portfolio review for Great Plains. In the review, Franklin Energy analyzed the existing programs offered by Great Plains, the incentive amounts for the programs, and the program budgets. Great Plains is currently assessing the recommendations provided by Franklin Energy to determine what actions may be appropriate to implement and assessing how these recommendations will impact Great Plains' ability to reach the state mandated energy savings goals.

Great Plains plans to continue to build upon its success with the residential programs, particularly the Residential Space Heating Equipment program and market its program through its website, bill inserts, direct mail campaigns, and other marketing media as appropriate. Finally, Great Plains' CIP Program Manager will continue to work directly with the local contractor network on program awareness and education.

The cost per dk saved for the Residential sector is below the authorized cost per dk, whereas Commercial and Industrial sector is above the authorized cost per dk. The cost per dk for the total portfolio is \$16.54 per dk or \$1.88 per dk above the authorized level as shown in the table below. The lower cost per dk for the residential portfolio is due to the lower cost per dk in the space heating and pilotless fireplace programs. The higher cost per dk for the commercial and industrial portfolio is due to the low level of participation as the direct administrative costs, while lower than authorized, are relatively fixed and resulted in a higher cost per dk.

The authorized and actual cost per dk saved are:

	Cost per Dk			% of Authorized
	Authorized	Actual	Difference	
<b>Residential</b>				
Space Heating Equipment				
Water Heating Equipment	\$16.16	\$15.74	(\$0.42)	97.40%
Attic Insulation and Bypass	4.46	4.63	0.17	103.81%
Pilotless Fireplace	22.59	84.83	62.24	375.52%
Residential Energy Assessment	23.86	23.22	(0.64)	97.32%
Residential Low Income Programs				
Total Residential	102.90	124.61	21.71	121.10%
	24.86	18.64	(6.22)	74.98%
<b>Commercial &amp; Industrial</b>				
Space Heating Equipment	13.03	22.99	9.96	176.44%
Water Heating Equipment	18.76	3.71	(15.05)	19.78%
Commercial Boiler Equipment	5.15	2.01	(3.14)	39.03%
Foodservice Equipment	9.69	0.00	(9.69)	0.00%
Custom	9.66	0.00	(9.66)	0.00%
Building Certification Program				
Commercial Energy Assessment				
Industrial Energy Assessment				
Total Commercial	10.27	12.57	2.30	122.40%
<b>Total CIP Program 1/</b>	<b>\$14.66</b>	<b>\$16.54</b>	<b>\$1.88</b>	<b>112.82%</b>

1/ Includes indirect assessment.

The total portfolio and each program that had participation were cost effective with a Utility Cost Test ratio of 1.00 or greater, with the exception of the Residential Low Income programs, which had a Utility Cost Test ratio under 1.00. The results of the cost/benefit analysis are shown below:

	<u>RIM</u>	<u>Utility</u>	<u>Societal</u>	<u>Participant</u>
<b>Residential</b>				
Space Heating Equipment	0.68	4.74	2.60	3.32
Water Heating Equipment	0.75	13.19	15.11	21.88
Attic Insulation and Bypass	0.47	1.18	0.69	1.05
Pilotless Fireplace	0.65	3.56	2.60	4.02
Residential Energy Assessment	N/A	N/A	N/A	N/A
Residential Low Income Programs	0.39	0.78	1.37	3.12
Total Residential Portfolio	0.65	3.53	2.36	3.26
<b>Commercial</b>				
Space Heating Equipment	0.69	4.07	5.17	6.26
Water Heating Equipment	0.81	22.32	41.18	90.04
Commercial Boiler Equipment	0.69	4.70	5.13	13.21
Foodservice Equipment	0.00	0.00	0.00	0.00
Custom Program	0.00	0.00	0.00	0.00
Building Certification Program	N/A	N/A	N/A	N/A
Commercial Energy Assessment	N/A	N/A	N/A	N/A
Industrial Energy Assessment	N/A	N/A	N/A	N/A
Total Commercial Portfolio	0.72	5.52	6.62	12.76
Total Portfolio	<u>0.66</u>	<u>3.78</u>	<u>2.82</u>	<u>4.10</u>

The BENCOST Summary for Great Plains' overall CIP program for 2014, as well as the summary for each program is provided as Attachment C. The Project Information Sheets are provided as Attachment D.

Great Plains did not have any expenditures related to research and development, distributed and renewable generation projects or evaluation.

### **Program Modifications**

On March 14, 2013 in Docket No. G004/CIP-12-573, Great Plains submitted a modification to its 2013 – 2015 Triennial Plan to comply with the Sustainable Building 2030 (SB 2030) provisions set forth in Minnesota Statute §216B.241, subd. 9(e), which was approved in a Decision dated May 13, 2013. The Company offered a SB 2030 program as a component of its existing Commercial Building Certification program. The SB 2030 program is designed to offer qualified customers design assistance and modeling, financial incentives, and verification of proper installation of energy efficient design components.



## **II. Status Report by Project:**

### **Residential and Small Commercial Programs**

#### **1. Residential Space Heating Program**

Great Plains offers a \$25 rebate for a programmable thermostat, available in conjunction with the installation of a high efficiency furnace, a \$300 rebate for a 94 percent AFUE or greater furnace, a \$400 rebate for a 96 percent AFUE or greater furnace, a \$300 rebate for a boiler 84 percent AFUE or greater, a \$500 rebate for a 91 percent AFUE or greater boiler, and a \$50 rebate for a furnace tune-up. The program is available to residential customers.

The Space Heating program overall achieved 75.4 percent of the participant goal and achieved 90.2 percent of its energy savings goal. The rebates for replacement of higher efficiency furnaces (96 percent AFUE or greater) exceeded the authorized level, which indicates that customers are interested in the higher efficiency appliances.

Great Plains tracked the number of rebates provided for installation in new homes versus for replacement equipment and type of dwelling information. Replacement equipment accounted for 99 percent of participants with 1 percent of participants representing new home construction. Great Plains has historically experienced low residential new construction growth in its service territory and expects the trend to continue.

Single family homes made up 97 percent of participants, duplexes represented 1 percent, town house and condos 1 percent and all other the remaining 1 percent of participants.

#### **2. Water Heating Equipment Upgrade Incentive Program**

Great Plains provides a \$85 rebate for the installation of a .64 EF or greater natural gas water heater, a \$100 rebate for the installation of a .67 EF or greater natural gas water heater, and a \$250 rebate for a .82 EF tankless natural gas water heater. This program also includes a free low-flow shower head kit upon request to customers that have natural gas water heating.

Great Plains achieved 86.9 percent of authorized dk savings with 90.1 percent of authorized expenditures and 85.9 percent of authorized participation levels in 2014. The .67 EF or greater program and tankless water heaters met or exceeded the authorized dk savings in 2014, while there were no participants in the .64 EF water heater.

### **3. Residential Attic Insulation and Bypass**

The Residential Attic Insulation Program provides a dollar per square foot rebate to customers for the installation or replacement of attic insulation and a cash rebate for sealing attic bypasses not previously sealed. In 2014, Great Plains did not meet its authorized participation and dk savings levels in the attic insulation program achieving only 3.3 percent of budget participants and 1.6 percent of authorized dk savings.

### **4. Pilotless Fireplace**

The Residential Pilotless Fireplace Program is a program that offers residential customers a \$75 rebate for the installation of a qualifying pilotless natural gas fireplace. Participation and expenditures were 13.3 percent of authorized, while the dk savings were 13.6 percent of authorized.

### **5. Residential Energy Assessment**

Great Plains offers residential customers, whose primary heat source is natural gas, a comprehensive energy assessment, which includes analyses and recommendations on ways to increase energy efficiency in existing residential homes. Customers are charged a co-pay of \$50, while low-income customers are not charged for an audit. In addition to the audit, customers receive weatherization materials valued at approximately \$25 which include weather stripping, caulk and a caulking gun, a filter whistle, outlet and switch plate gaskets and energy educational information.

The energy assessments are performed by state certified auditors and provide Great Plains' customers with information on energy conservation measures, potential costs for implementing the identified measures and the estimated energy savings for the measures. The assessment includes, at a minimum, a blower door test, carbon monoxide (CO) testing of combustion appliances, and if the home has atmospherically-vented appliances, natural draft and worst case depressurization (WCD) tests.

Great Plains saw a decrease in participants in its Residential Energy Assessment program in 2014. Participation was 16.9 percent of authorized and expenditures were at 18.6 percent of authorized.

### **6. Low-Income Programs**

Great Plains offers conservation measures to low income customers via three programs by funding weatherization measures through CAP agencies, funding for an emergency replacement of a furnace or boiler and funding for furnace and boiler tune-ups for qualified low-income customers. The maximum funding available to the CAP agency for a qualified customer is \$1,800 for weatherization, \$2,500 for a

furnace replacement, \$5,000 for a boiler replacement and \$200 for a furnace or boiler tune-up.

The Low-Income program participation was 28.9 percent of authorized while dk savings represents 34.0 percent of authorized. A summary of projects and dk savings is provided in Attachment B, pages 8-9.

## **Commercial and Industrial Customer Programs**

### **7. Commercial and Industrial Space Heating Equipment Program**

The Commercial and Industrial Space Heating Equipment program provides commercial and industrial customers a cash rebate for the installation of qualifying high-efficiency space heating equipment with minimum input ratings. The program includes a rebate of \$300 for a 94 percent or greater AFUE furnace and \$400 for a 96 percent or greater AFUE furnace. The rebates for the 85 percent or greater high efficiency hot water boilers, 88 percent or greater high efficiency hot water boilers, 84 percent or greater AFUE low pressure boilers, and 83 percent or greater AFUE high pressure boilers vary based on the size and efficiency of equipment.

Overall, the participation was 104.2 percent of authorized with dk savings at 107.3 percent of authorized. There was a significant increase in participation from 30 participants in 2013 to 50 participants in 2014.

### **8. Commercial and Industrial Water Heating Equipment Program**

The Commercial Water Heating Equipment program provides commercial and industrial customers a cash incentive for the installation of qualifying commercial natural gas water heating equipment. The program includes a rebate of \$100 for a .64 EF or greater storage type ( $\geq 40$  gallons) water heater and a rebate based on the installed btuh size of the water heater for 88 percent Condensing Efficiency water heaters.

Overall participation was 42.9 percent of authorized. The corresponding dk savings was 310.6 percent of authorized due to the high efficiency of the installed equipment.

### **9. Commercial and Industrial Boiler Equipment Program**

The Commercial Boiler Equipment program provides commercial and industrial customers a cash incentive for the repair or upgrade of boiler equipment with qualifying energy efficiency boiler equipment. The program includes boiler O2 controls, modulating burners, boiler stack dampers, boiler turbulators, boiler outdoor air resets, boiler cut-out controls, boiler tune-ups and steam traps, with the rebate based on the type of equipment and kBTUH levels.

The only participants in this program were in the boiler tune-up program, which did achieve 110 percent of authorized participation and 536 percent of authorized dk savings. In 2014, 91% of the participants who participated in the boiler tune-up program had equipment with higher levels of kBTUH, resulting in larger dk savings.

## **10. Foodservice Equipment Program**

The Foodservice program provides the restaurant industry and public facilities, such as schools and hospitals, cash incentives for the installation of natural gas foodservice cooking equipment. There are separate rebates for two groups of food service equipment. The first tier provides a \$500 rebate for the following equipment types: Convection Ovens, Fryers, Pasta Cookers, Charbroilers, Salamander Broilers, and Rotisserie Ovens. The second tier provide a \$1,000 rebate for the following equipment types: Conveyor Ovens, Combi-Ovens, Upright Broilers, Rotating Rack Ovens, and Griddles.

The Foodservice program did not have any participants in 2014.

## **11. Building Certification Program**

The Building Certification Program provides rebates to qualifying customers that participate in the Energy Star, Leadership in Energy and Environmental Design (LEED), or Green Globes Certified Buildings Programs.

### Energy Star Labeled Buildings Program

Great Plains will grant a rebate of 50 percent of the cost of professional engineering services up to a maximum of \$3,000 per facility. This rebate is available to new and existing commercial or industrial buildings that meet the eligibility requirements as set by ENERGY STAR and that use natural gas as the primary heating source.

### Leadership in Energy and Environmental Design (LEED) Building Certification Program

Great Plains will grant a rebate of 50 percent of the cost of application fees and/or professional engineering services up to a maximum of \$5,000 per facility. This rebate is available to new and existing buildings that are eligible under the requirements of the LEED rating systems and that use natural gas as the primary heating source.

### Green Globes Certified Buildings

Great Plains will grant a rebate of 50 percent of the cost of independent third party review and site assessments up to a maximum of \$2,500 per facility. This rebate is available to new and existing commercial or industrial buildings that meet the minimum 35 percent threshold of the new construction self assessment or the continual improvement for existing buildings assessment and that use natural gas as the primary heating source.

Great Plains did not have any participation in the building certification program in 2014.

## **12. Commercial and Industrial Custom Program**

The Commercial Custom Program offers commercial and industrial customers a cash rebate for an energy saving project that is not eligible under a prescriptive program. Custom projects require the involvement of both the customer and the Company working together to develop cost-effective energy saving projects specific to the individual customer's business. Each project is individually evaluated using established criteria and utilizing the BENCOST model to determine eligibility and rebate amounts. Great Plains offers an incentive of \$10 per dk or up to 50 percent of the equipment cost or buy down the project cost to a simple payback of one year, whichever is less.

Great Plains did not have any participation in the Custom Program completed in 2014. However, one large project was submitted in 2014 but the project commission was delayed into early 2015 and expects to be completed in the fall of 2015. Great Plains will continue to work with customers and anticipates future participation as a result of the Commercial and Industrial Energy Assessment programs that may identify future projects.

## **13. Commercial Energy Assessment Program**

The Commercial Energy Assessment Program provides commercial customers using more than 1,000 Dk annually a comprehensive energy assessment which includes analyses and recommendations on ways to increase energy efficiency in existing commercial buildings. The program offers the following services to participants: an analysis of recent natural gas usage (excluding process load) at the customer's facility, a thorough inspection of the customer's facility including the building envelope, insulation and installed natural gas equipment, a review of how the natural gas equipment is currently operated and a report of energy related opportunities identified during the assessment.

The commercial energy assessment is performed by third party certified energy managers and provides Great Plains' customers with information on energy conservation measures, potential costs for implementing the identified measures and the estimated energy savings for the measures. Customers are responsible for a co-payment of \$150 for the assessment which is refundable upon implementation of an energy saving project identified in the assessment.

Great Plains provided two commercial assessments, or 20 percent of its authorized participants. These energy assessments will help identify energy saving projects that may be implemented in future years.

#### **14. Industrial Energy Assessment Program**

The Industrial Energy Assessment Program provides industrial and grain-drying customers with a comprehensive energy assessment which includes analyses and recommendations on ways to increase energy efficiency in existing facilities. The program is available to customers with industrial processing load of at least 1,000 Dk annually and customers with natural gas grain-drying load.

The industrial energy assessment is performed by third party certified energy managers and provides Great Plains' customers with information on energy conservation measures, potential costs for implementing the identified measures and the estimated energy savings for the measures. Industrial customers are responsible for a co-payment of \$500 for an industrial assessment and \$250 per assessment for a grain dryer which is refundable upon implementation of an energy saving project identified in the assessment.

Great Plains did not have any participants in the industrial energy assessment program in 2014.

#### **15. CIP Assessment Charges**

The CIP Assessment Charges from the Department of Commerce, Division of Energy Resources (Department) related to Technical Assistance, Research and Development (R&D) grants and Facilities Energy Efficiency are fees assessed on a quarterly basis. These expenses are not directly related to Great Plains' CIP Program, but are tracked and recovered through the Conservation Cost Recovery Charge (CCRC) and the Conservation Cost Recovery Adjustment (CCRA) charged to the Company's customers

In 2014, CIP assessments amounted to \$3,878, which is below the \$26,000 authorized.

## 16. Employee Expenses

Pursuant to Minnesota Statutes 2008, Section 216B.16, Great Plains recorded total employee expenses for travel of \$2,401 including \$71 assigned directly to the Low Income programs. Great Plains has exceeded 0.5 percent of total annual CIP expenses by \$764 caused primarily by travel costs associated with attending the stakeholders meeting for Combined Heat and Power hosted by the Minnesota Department Commerce- Division of Energy Resources.

	Employee Expenses		
	Residential and Commercial	Low Income	Total
Vehicles	\$76	\$63	\$139
Commercial Air	1,856	0	1,856
Meals	123	0	123
Other Reimbursable Expenses	275	8	283
Total	<u>\$2,330</u>	<u>\$71</u>	<u>\$2,401</u>

**GREAT PLAINS NATURAL GAS CO.  
CONSERVATION IMPROVEMENT PROGRAM  
TRACKER REPORT**

**III: Conservation Improvement Tracker Program:**

Pursuant to the Order issued in Docket No. E,G-999/CI-08-133, Great Plains submits for approval its report on collections and expenditures from the Conservation Improvement Program (CIP) and the calculation of a proposed Conservation Improvement Resource Adjustment (CCRA) proposed to be effective September 1, 2015.

Attachment E, page 1 is the calculation of the CCRA using projected volumes excluding CIP-exempt customer volumes, as authorized in Docket No. G004/M-12-439. The proposed CCRA is \$0.0011 per dk for all non CIP-Exempt customers, a decrease of \$0.0736 from the current CCRA. The Company qualifies to receive a DSM incentive of \$42,180 for the 2014 CIP program year.

The CIP True-up on page 2 includes the balance in the CIP account at December 31, 2013, the activity for 2014, the activity for January-March 2015 and the projected activity for April – August 2015 to arrive at a projected balance in the CIP account as of September 1, 2015.

The detailed activity by month is shown on pages 3 and 4. The calculated DSM incentive for 2014 is included in the balance and is shown on Attachment E, page 2.

Attachment A is the CCRA tariff sheet (Sheet No. 5-112) with the proposed rate per dk.



## **2014 DEMAND-SIDE MANAGEMENT (DSM) INCENTIVE**

### **IV: Demand-Side Management Incentive:**

Great Plains submits this report in compliance with the Commission's Order approving the natural gas DSM Financial Incentive program, Docket No. E,G-999/CI-08-133.

Attachment F shows the calculation of the DSM Incentive for 2014 based on the results of the 2014 CIP program. Great Plains earned an incentive in the amount of \$42,180. As shown in Attachment B, Great Plains total energy savings in 2014 were 19,788 dk, or 35.1 percent of goal. This level of achievement results in a financial incentive award of 4.69311 percent of the \$898,771 net benefits achieved for an incentive amount of \$42,180.

The Commission approved a conservation improvement plan incentive program for gas and electric utilities in its January 27, 2010 Order Establishing Utility Performance Incentives for Utility Conservation in Docket No. G,E-999/CI-08-133. Great Plains' plan is consistent with the four considerations contained in Section 216B.16,subd.6c.

#### **1. Whether the plan is likely to increase utility investment in cost-effective energy conservation.**

The incentive plan is likely to increase Great Plains' investment in cost-effective energy conservation because the incentive for achieving each new increment of energy savings increases as the percent of goal achieved increases. No significant incentive is provided unless Great Plains meets or exceeds its expected energy savings at minimum statutory spending guidelines. The increasing increment of the incentive motivates Great Plains to exceed energy savings achievable at statutory spending levels.

The DSM Financial Incentive Plan has increased Great Plains' investment in cost-effective energy conservation because the mechanism encourages cost-effective spending above the statutory minimum.

#### **2. Whether the plan is compatible with the interest of utility ratepayers and other interested parties.**

Great Plains' Plan is compatible with the interest of utility customers and other interested parties because it does not receive a significant incentive until it extends beyond the energy savings goals associated with statutory spending requirements. In addition, the incentive never exceeds the incremental increase in net benefits that are created by surpassing the incentive energy savings goals. The incentive is only a fraction of the achieved net benefits and therefore customers receive the vast majority of benefits achieved under the CIP programs.

**3. Whether the plan links the incentive to the utility's performance in achieving cost-effective conservation**

Great Plains' DSM Financial Incentive Plan links the incentive to its performance in achieving cost-effective conservation. If Great Plains' CIP Program is not cost-effective, there are no net benefits, and, thus, no incentive. As a CIP Program's cost effectiveness increases (increased Mcf saved per dollars spent), net benefits increase, and thus, the incentive increases. Therefore, the plan is directly linked to the cost-effectiveness of the program.

**4. Whether the plan is in conflict with other provisions of Minnesota Statute 216B**

Great Plains' Plan does not conflict with other provisions of 216B, which requires that all rates be just and reasonable. Awarding incentives under the Plan will not result in unjust or unreasonable rates because the incentives are not cumulative and are only a small portion of the net benefits (avoided costs).

**Attachment A**

**Attachment A**



# GREAT PLAINS NATURAL GAS CO.

A Division of MDU Resources Group, Inc.

## State of Minnesota Gas Rate Schedule – MNPUC Volume 2

Section No. 5

6<sup>th</sup> Revised Sheet No. 5-112

Canceling 5<sup>th</sup> Revised Sheet No. 5-112

### CONSERVATION IMPROVEMENT PROGRAM ADJUSTMENT CLAUSE

of the distribution delivery charge authorized in Docket No. G004/GR-04-1487. The CCRC is approved and applied on a per dk basis by dividing the test-year CIP expenses by the test-year sales volumes (net of CIP-exempt volumes).

#### Determination of Conservation Cost Recovery Adjustment:

The CCRA Factor shall be calculated for each customer class by dividing the allocated recoverable Conservation Improvement Program costs, not recovered through the Base Charge by the projected sales volumes, excluding CIP-exempt customer volumes, for a designated recovery period. The factor may be adjusted annually with approval of the Minnesota Public Utilities Commission.

The applicable rate that will be assessed to all non-CIP exempt customers in each rate class is:

Base Charge CCRC	Adjustment CCRA Factor
\$0.0259	\$0.0011

#### Exemption:

Any customer account determined by the Commissioner to qualify for a CIP exemption as a Large Customer Facility or a Commercial Gas Customer pursuant to Minnesota Statutes 216B.241 and 216B.2421, shall be exempt from the CCRC and the CCRA. Customer accounts granted exemption by a decision of the Commissioner after the beginning of the calendar year shall be credited for any CIP collections billed after January 1<sup>st</sup> of the year following the Commissioner's decision.

Any customer account determined by the MPUC to qualify for a CIP exemption as a Large Energy Facility pursuant to Minnesota Statutes 216B.16, subd. 6b(b) and 216B.2421, subd. 2(1), shall be exempt from the CCRC and the CCRA Factor.

For Large Customer Facilities, Commercial Gas Customers or Large Energy Facilities, determined to be CIP exempt, the Flexible Distribution Charge will be reduced by the CCRC for exempt customers served under a specific flexed contract. Exempt customers not served under a flexed contract will be billed a credit CCRC. Upon exemption from the conservation program charges, no exempted customer may participate in the Company's gas conservation improvement program unless the owner of the facility submits a filing with the Commissioner or the MPUC to withdraw its exemption.

Date Filed: May 1, 2015

Effective Date:

Issued By: Tamie A. Aberle  
Director - Regulatory Affairs

Docket No.:

# Tariffs Reflecting Proposed Changes



# GREAT PLAINS NATURAL GAS CO.

A Division of MDU Resources Group, Inc.

## State of Minnesota Gas Rate Schedule – MNPUC Volume 2

Section No. 5

5<sup>th</sup> Revised Sheet No. 5-112

Canceling 4<sup>th</sup> Revised Sheet No. 5-112

### CONSERVATION IMPROVEMENT PROGRAM ADJUSTMENT CLAUSE

of the distribution delivery charge authorized in Docket No. G004/GR-04-1487. The CCRC is approved and applied on a per dk basis by dividing the test-year CIP expenses by the test-year sales volumes (net of CIP-exempt volumes).

#### Determination of Conservation Cost Recovery Adjustment:

The CCRA Factor shall be calculated for each customer class by dividing the allocated recoverable Conservation Improvement Program costs, not recovered through the Base Charge by the projected sales volumes, excluding CIP-exempt customer volumes, for a designated recovery period. The factor may be adjusted annually with approval of the Minnesota Public Utilities Commission.

The applicable rate that will be assessed to all non-CIP exempt customers in each rate class is:

Base Charge CCRC	Adjustment CCRA Factor
\$0.0259	\$0.07470011

#### Exemption:

Any customer account determined by the Commissioner to qualify for a CIP exemption as a Large Customer Facility or a Commercial Gas Customer pursuant to Minnesota Statutes 216B.241 and 216B.2421, shall be exempt from the CCRC and the CCRA. Customer accounts granted exemption by a decision of the Commissioner after the beginning of the calendar year shall be credited for any CIP collections billed after January 1<sup>st</sup> of the year following the Commissioner's decision.

Any customer account determined by the MPUC to qualify for a CIP exemption as a Large Energy Facility pursuant to Minnesota Statutes 216B.16, subd. 6b(b) and 216B.2421, subd. 2(1), shall be exempt from the CCRC and the CCRA Factor.

For Large Customer Facilities, Commercial Gas Customers or Large Energy Facilities, determined to be CIP exempt, the Flexible Distribution Charge will be reduced by the CCRC for exempt customers served under a specific flexed contract. Exempt customers not served under a flexed contract will be billed a credit CCRC. Upon exemption from the conservation program charges, no exempted customer may participate in the Company's gas conservation improvement program unless the owner of the facility submits a filing with the Commissioner or the MPUC to withdraw its exemption.

Date Filed:	December 19, 2014	Effective Date:	Service rendered on and after January 1, 2015
Issued By:	Tamie A. Aberle Director - Regulatory Affairs	Docket No.:	G-004.M-14-358

**GREAT PLAINS NATURAL GAS CO.  
SUMMARY OF 2014 CIP  
AUTHORIZED VS. ACTUAL EXPENDITURES, PARTICIPANTS AND DK SAVINGS**

	Expenditures			% of Authorized	Participants			% of Authorized	Dk Savings			% of Authorized
	Authorized	Actual	Difference		Authorized	Actual	Difference		Authorized	Actual	Difference	
<b>Residential and Small Commercial</b>												
Space Heating Equipment	\$161,955	\$142,181	(\$19,774)	87.8%	651	491	(160)	75.4%	10,019	9,033	(986)	90.2%
Water Heating Equipment	13,878	12,504	(1,374)	90.1%	829	712	(117)	85.9%	3,109	2,703	(406)	86.9%
Attic Insulation and Bypass	8,404	509	(7,895)	6.1%	30	1	(29)	3.3%	372	6	(366)	1.6%
Pilotless Fireplace	1,575	209	(1,366)	13.3%	15	2	(13)	13.3%	66	9	(57)	13.6%
Residential Energy Assessment	22,761	4,243	(18,518)	18.6%	65	11	(54)	16.9%	0	0	0	0.0%
Residential Low Income Programs	169,689	69,905	(99,784)	41.2%	97	28	(69)	28.9%	1,649	561	(1,088)	34.0%
<b>Total Residential</b>	<b>\$378,262</b>	<b>\$229,551</b>	<b>(\$148,711)</b>	<b>60.7%</b>	<b>1,687</b>	<b>1,245</b>	<b>(442)</b>	<b>73.8%</b>	<b>15,215</b>	<b>12,312</b>	<b>(2,903)</b>	<b>80.9%</b>
<b>Commercial &amp; Industrial</b>												
Space Heating Equipment	42,932	81,302	38,370	189.4%	48	50	2	104.2%	3,295	3,536	241	107.3%
Water Heating Equipment	2,833	1,739	(\$1,094)	61.4%	7	3	(4)	42.9%	151	469	318	310.6%
Commercial Boiler Equipment	27,392	6,963	(20,429)	25.4%	58	11	(47)	19.0%	5,320	3,471	(1,849)	65.2%
Foodservice Equipment	4,507	0	(4,507)	0.0%	5	0	(5)	0.0%	465	0	(465)	0.0%
Custom	309,087	0	(309,087)	0.0%	8	0	(8)	0.0%	32,000	0	(32,000)	0.0%
Building Certification Program	5,152	0	(5,152)	0.0%	1	0	(1)	0.0%	0	0	0	0.0%
Commercial Energy Assessment	12,235	3,947	(8,288)	32.3%	10	2	(8)	20.0%	0	0	0	0.0%
Industrial Energy Assessment	19,318	0	(19,318)	0.0%	5	0	(5)	0.0%	0	0	0	0.0%
<b>Total Commercial</b>	<b>\$423,456</b>	<b>\$93,951</b>	<b>(\$329,505)</b>	<b>22.2%</b>	<b>142</b>	<b>66</b>	<b>(76)</b>	<b>46.5%</b>	<b>41,231</b>	<b>7,476</b>	<b>(33,755)</b>	<b>18.1%</b>
CIP Assessments	26,000	3,878	(22,122)	14.9%								
<b>Total CIP Program</b>	<b>\$827,718</b>	<b>\$327,380</b>	<b>(\$500,338)</b>	<b>39.6%</b>	<b>1,829</b>	<b>1,311</b>	<b>(518)</b>	<b>71.7%</b>	<b>56,446</b>	<b>19,788</b>	<b>(36,658)</b>	<b>35.1%</b>

**GREAT PLAINS NATURAL GAS CO.  
SUMMARY OF 2014 CIP  
LOW-INCOME AND RENTER PARTICIPANTS**

	Expenditures			% of Authorized	Participants			% of Authorized	Dk Savings			% of Authorized
	Authorized	Actual	Difference		Authorized	Actual	Difference		Authorized	Actual	Difference	
<b>Low-Income Participants</b>												
Weatherization	\$95,932	\$41,447	(\$54,485)	43.2%	60	19	(41)	31.7%	1,050	282	(768)	26.9%
Furnace Replacement	68,960	28,350	(40,610)	41.1%	17	8	(9)	47.1%	525	279	(246)	53.1%
Furnace/Boiler Tune-up	4,797	108	(4,689)	2.3%	20	1	(19)	5.0%	74	0	(74)	0.0%
<b>Total Low-Income</b>	<b>\$169,689</b>	<b>\$69,905</b>	<b>(\$99,784)</b>	<b>41.2%</b>	<b>97</b>	<b>28</b>	<b>(69)</b>	<b>28.9%</b>	<b>1,649</b>	<b>561</b>	<b>(1,088)</b>	<b>34.0%</b>
<b>Renter Participants</b>												
Space Heating Equipment 1/	\$6,966	\$20,804	\$13,838	298.7%	28	64	36	228.6%	431	1,274	843	295.6%
Water Heating Equipment 2/	50	1,020	970	2040.0%	3	54	51	1800.0%	11	206	195	1872.7%
Attic Insulation - Retrofit	280	509	229	181.8%	1	1	0	100.0%	12	6	(6)	50.0%
Pilotless Fireplace		0	0									
Residential Energy Assessment	350	671	321	191.7%	1	2	1	200.0%	0	0	0	0.0%
<b>Total Renters</b>	<b>\$7,646</b>	<b>\$23,004</b>	<b>\$15,358</b>	<b>300.9%</b>	<b>33</b>	<b>121</b>	<b>88</b>	<b>366.7%</b>	<b>454</b>	<b>1,486</b>	<b>1,032</b>	<b>327.3%</b>

1/ Includes rental property from the Furnace, Boiler, Furnace Tune-up and Programmable Thermostat programs.

2/ Includes rental property from the Water Heating Equipment and Low Flow Showerhead programs.



**GREAT PLAINS NATURAL GAS CO.  
SUMMARY OF 2014 CIP  
PROGRAM RESULTS**

Program	Expenditures			% of Authorized	Participants			% of Authorized	Dk Savings			% of Authorized
	Authorized	Actual	Difference		Authorized	Actual	Difference		Authorized	Actual	Difference	
<b>Residential and Small Commercial</b>												
<b>Space Heating Equip.</b>												
Programmable Thermostat	\$2,627	\$2,657	\$30	101.1%	75	76	1	101.3%	300	304	4	101.3%
Furnace 94%+ AFUE - New	2,101	420	(1,681)	20.0%	5	1	(4)	20.0%	37	8	(29)	21.6%
Furnace 94%+ AFUE - Repl.	88,242	65,041	(23,201)	73.7%	210	155	(55)	73.8%	6,090	4,541	(1,549)	74.6%
Furnace 96%+ AFUE - New	1,121	1,119	(2)	99.8%	2	2	0	100.0%	18	19	1	105.6%
Furnace 96%+ AFUE - Repl.	36,418	58,747	22,329	161.3%	65	105	40	161.5%	2,002	3,420	1,418	170.8%
Furnace and Boiler Tune-up	19,260	10,140	(9,120)	52.6%	275	145	(130)	52.7%	1,018	566	(452)	55.6%
Boiler 84%+ AFUE	1,681	1,259	(422)	74.9%	4	3	(1)	75.0%	45	51	6	113.3%
Boiler 91%+ AFUE	10,505	2,798	(7,707)	26.6%	15	4	(11)	26.7%	509	124	(385)	24.4%
<b>Total</b>	<b>\$161,955</b>	<b>\$142,181</b>	<b>(\$19,774)</b>	<b>87.8%</b>	<b>651</b>	<b>491</b>	<b>(160)</b>	<b>75.4%</b>	<b>10,019</b>	<b>9,033</b>	<b>(986)</b>	<b>90.2%</b>
<b>Water Heat Equip. Upgrade</b>												
Water Heating (.64 EF)	\$1,785	\$0	(\$1,785)	0.0%	15	0	(15)	0.0%	20	0	(20)	0.0%
Water Heating (.67 EF)	980	1,259	279	128.5%	7	9	2	128.6%	15	24	9	160.0%
Tankless Water Heating (.82 EF)	2,451	2,448	(3)	99.9%	7	7	0	100.0%	34	34	0	100.0%
Low Flow Showerheads	8,662	8,797	135	101.6%	800	696	(104)	87.0%	3,040	2,645	(395)	87.0%
<b>Total</b>	<b>\$13,878</b>	<b>\$12,504</b>	<b>(\$1,374)</b>	<b>90.1%</b>	<b>829</b>	<b>712</b>	<b>(117)</b>	<b>85.9%</b>	<b>3,109</b>	<b>2,703</b>	<b>(406)</b>	<b>86.9%</b>
<b>Attic Insulation and Bypass</b>												
Attic Insulation	\$3,151	\$509	(\$2,642)	16.2%	15	1	(14)	6.7%	240	6	(234)	2.5%
Attic Bypass	5,253	0	(5,253)	0.0%	15	0	(15)	0.0%	132	0	(132)	0.0%
<b>Total Attic Insulation and Bypass</b>	<b>\$8,404</b>	<b>\$509</b>	<b>(\$7,895)</b>	<b>6.1%</b>	<b>30</b>	<b>1</b>	<b>(29)</b>	<b>3.3%</b>	<b>372</b>	<b>6</b>	<b>(366)</b>	<b>1.6%</b>
<b>Pilotless Fireplace</b>	<b>\$1,575</b>	<b>\$209</b>	<b>(\$1,366)</b>	<b>13.3%</b>	<b>15</b>	<b>2</b>	<b>(13)</b>	<b>13.3%</b>	<b>66</b>	<b>9</b>	<b>(57)</b>	<b>13.6%</b>
<b>Residential Energy Assessment</b>	<b>\$22,761</b>	<b>\$4,243</b>	<b>(\$18,518)</b>	<b>18.6%</b>	<b>65</b>	<b>11</b>	<b>(54)</b>	<b>16.9%</b>		<b>0</b>	<b>0</b>	
<b>Residential Low Income Programs</b>												
Weatherization	\$95,932	\$41,447	(\$54,485)	43.2%	60	19	(41)	31.7%	1,050	282	(768)	26.9%
Furnace Replacement	68,960	28,350	(40,610)	41.1%	17	8	(9)	47.1%	525	279	(246)	53.1%
Furnace/Boiler Tune-up	4,797	108	(4,689)	2.3%	20	1	(19)	5.0%	74	0	(74)	0.0%
<b>Total Low Income Programs</b>	<b>\$169,689</b>	<b>\$69,905</b>	<b>(\$99,784)</b>	<b>41.2%</b>	<b>97</b>	<b>28</b>	<b>(69)</b>	<b>28.9%</b>	<b>1,649</b>	<b>561</b>	<b>(1,088)</b>	<b>34.0%</b>
<b>Total Residential Portfolio</b>	<b>\$378,262</b>	<b>\$229,551</b>	<b>(\$148,711)</b>	<b>60.7%</b>	<b>1,687</b>	<b>1,245</b>	<b>(442)</b>	<b>73.8%</b>	<b>15,215</b>	<b>12,312</b>	<b>(2,903)</b>	<b>80.9%</b>
<b>Total Residential Excluding Low Income</b>	<b>\$208,573</b>	<b>\$159,646</b>	<b>(\$48,927)</b>	<b>76.5%</b>	<b>1,590</b>	<b>1,217</b>	<b>(373)</b>	<b>76.5%</b>	<b>13,566</b>	<b>11,751</b>	<b>(1,815)</b>	<b>86.6%</b>

**GREAT PLAINS NATURAL GAS CO.  
SUMMARY OF 2014 CIP  
PROGRAM RESULTS**

	Expenditures			% of Authorized	Participants			% of Authorized	Dk Savings			% of Authorized
	Authorized	Actual	Difference		Authorized	Actual	Difference		Authorized	Actual	Difference	
<b>Commercial and Industrial</b>												
<b>Space Heating Equip.</b>												
<b>Space Heating Equipment</b>												
Furnace 94%+ AFUE - Repl.	\$6,956	\$13,708	\$6,752	197.1%	18	21	3	116.7%	934	755	(179)	80.8%
Furnace 96%+ AFUE - New	2,061	5,222	3,161	253.4%	4	6	2	150.0%	64	122	58	190.6%
Furnace 96%+ AFUE - Repl.	3,606	14,797	11,191	410.3%	7	17	10	242.9%	384	649	265	169.0%
Commercial Hot Water Boiler												
Tier 1 (85%+ AFUE)	6,130	0	(6,130)	0.0%	7	0	(7)	0.0%	333	0	(333)	0.0%
Tier 2 (88%+ AFUE)	21,121	47,575	26,454	225.2%	10	6	(4)	60.0%	1,428	2,010	582	140.8%
Commercial LP & HP Steam Boilers												
Tier 1 (<300,000 BTUH)	1,449	0	(\$1,449)	0.0%	1	0	(1)	0.0%	57	0	(57)	0.0%
Tier 2 (≥300,000 BTUH)	1,609	0	(1,609)	0.0%	1	0	(1)	0.0%	95	0	(95)	0.0%
<b>Total Space Heating</b>	<b>\$42,932</b>	<b>\$81,302</b>	<b>\$38,370</b>	<b>189.4%</b>	<b>48</b>	<b>50</b>	<b>2</b>	<b>104.2%</b>	<b>3,295</b>	<b>3,536</b>	<b>241</b>	<b>107.3%</b>
<b>Water Heating Equip.</b>												
Water Heater .64 EF+ (≥40 Gallons)	\$257	\$218	(\$39)	84.8%	2	1	(1)	50.0%	30	0	(30)	0.0%
Water Heater Storage 88% cond	2,576	1,521	(1,055)	59.0%	5	2	(3)	40.0%	121	469	348	387.6%
<b>Total Water Heating</b>	<b>\$2,833</b>	<b>\$1,739</b>	<b>(\$1,094)</b>	<b>61.4%</b>	<b>7</b>	<b>3</b>	<b>(4)</b>	<b>42.9%</b>	<b>151</b>	<b>469</b>	<b>318</b>	<b>310.6%</b>
<b>Commercial Boiler Equipment</b>												
O2 Control	\$7,727	\$0	(\$7,727)	0.0%	2	0	(2)	0.0%	378	0	(378)	0.0%
Modulating Burners												
Tier 1 (<2,500 kBTUH)	4,830	0	(4,830)	0.0%	3	0	(3)	0.0%	341	0	(341)	0.0%
Tier 2 (>2,500 kBTUH)	3,219	0	(3,219)	0.0%	1	0	(1)	0.0%	856	0	(856)	0.0%
Stack Dampers	1,931	0	(1,931)	0.0%	3	0	(3)	0.0%	1,035	0	(1,035)	0.0%
Turbulators	1,931	0	(1,931)	0.0%	3	0	(3)	0.0%	621	0	(621)	0.0%
Outdoor Air Reset	1,160	0	(1,160)	0.0%	3	0	(3)	0.0%	787	0	(787)	0.0%
Cut-Out Control	386	0	(386)	0.0%	3	0	(3)	0.0%	352	0	(352)	0.0%
Commercial Boiler Tune-Up												
Tier 1 (<2,500 kBTUH)	1,803	435	(1,368)	24.1%	7	1	(6)	14.3%	162	71	(91)	43.8%
Tier 2 (≥2,500 kBTUH)	1,160	6,528	5,368	562.8%	3	10	7	333.3%	485	3,400	2,915	701.0%
Commercial Steam Traps	3,245	0	(3,245)	0.0%	30	0	(30)	0.0%	303	0	(303)	0.0%
<b>Total Commercial Boiler</b>	<b>\$27,392</b>	<b>\$6,963</b>	<b>(\$20,429)</b>	<b>25.4%</b>	<b>58</b>	<b>11</b>	<b>(47)</b>	<b>19.0%</b>	<b>5,320</b>	<b>3,471</b>	<b>(1,849)</b>	<b>65.2%</b>
<b>Food Service Equip.</b>												
Tier 1 (\$500 Incentive)	\$1,931	\$0	(\$1,931)	0.0%	3	0	(3)	0.0%	240	0	(240)	0.0%
Tier 2 (\$1,000 Incentive)	2,576	0	(2,576)	0.0%	2	0	(2)	0.0%	225	0	(225)	0.0%
<b>Total</b>	<b>\$4,507</b>	<b>\$0</b>	<b>(\$4,507)</b>	<b>0.0%</b>	<b>5</b>	<b>0</b>	<b>(5)</b>	<b>0.0%</b>	<b>465</b>	<b>0</b>	<b>(465)</b>	<b>0.0%</b>

GREAT PLAINS NATURAL GAS CO.  
SUMMARY OF 2014 CIP  
PROGRAM RESULTS

	Expenditures			% of Authorized	Participants			% of Authorized	Dk Savings			% of Authorized
	Authorized	Actual	Difference		Authorized	Actual	Difference		Authorized	Actual	Difference	
Custom Projects	\$309,087	\$0	(\$309,087)	0.0%	8	0	(8)	0.0%	32,000	0	(32,000)	0.0%
Building Certification	5,152	0	(5,152)	0.0%	1	0	(1)	0.0%		0	0	
Comm. Energy Assessment	12,235	3,947	(8,288)	32.3%	10	2	(8)	20.0%		0	0	
Industrial Energy Assessment	19,318	0	(19,318)	0.0%	5	0	(5)	0.0%		0	0	
<b>Total Commercial</b>	<b>\$423,456</b>	<b>\$93,951</b>	<b>(\$329,505)</b>	<b>22.2%</b>	<b>142</b>	<b>66</b>	<b>(76)</b>	<b>46.5%</b>	<b>41,231</b>	<b>7,476</b>	<b>(33,755)</b>	<b>18.1%</b>
<b>Total</b>	<b>\$801,718</b>	<b>\$323,502</b>	<b>(\$478,216)</b>	<b>40.4%</b>	<b>1,829</b>	<b>1,311</b>	<b>(518)</b>	<b>71.7%</b>	<b>56,446</b>	<b>19,788</b>	<b>(36,658)</b>	<b>35.1%</b>

**GREAT PLAINS NATURAL GAS CO.  
COST PER DK SAVED  
2014 ACTUAL TO AUTHORIZED**

	Actual Participants	Cost per Dk			% of Authorized
		Authorized	Actual	Difference	
<b><u>Residential and Small Commercial</u></b>					
<b>Space Heating Equipment</b>					
Programmable Thermostats	76	\$8.76	\$8.74	(\$0.02)	99.77%
Furnace 94%+ AFUE - New	1	56.78	52.50	(4.28)	92.46%
Furnace 94%+ AFUE - Repl.	155	14.49	14.32	(0.17)	98.83%
Furnace 96%+ AFUE - New	2	62.28	58.89	(3.39)	94.56%
Furnace 96%+ AFUE - Repl.	105	18.19	17.18	(1.01)	94.45%
Furnace and Boiler Tune-up	145	18.92	17.92	(1.00)	94.71%
Boiler 84%+ AFUE	3	37.36	24.69	(12.67)	66.09%
Boiler 91%+ AFUE	4	20.64	22.56	1.92	109.30%
<b>Total Space Heating</b>	<b>491</b>	<b>\$16.16</b>	<b>\$15.74</b>	<b>(\$0.42)</b>	<b>97.40%</b>
<b>Water Heating Equipment</b>					
Water Heating (.64 EF)	0	\$89.25	\$0.00	(\$89.25)	0.00%
Water Heating (.67 EF)	9	65.33	52.46	(12.87)	80.30%
Tankless Water Heating (.82 EF)	7	72.09	72.00	(0.09)	99.88%
Low Flow Showerheads	696	2.85	3.33	0.48	116.84%
<b>Total Water Heating</b>	<b>712</b>	<b>\$4.46</b>	<b>\$4.63</b>	<b>\$0.17</b>	<b>103.81%</b>
<b>Attic Insulation and Bypass</b>					
Attic Insulation	1	\$13.13	\$84.83	\$71.70	646.08%
Attic Bypass	0	39.80	0.00	(39.80)	0.00%
<b>Total Attic Insulation and Bypass</b>	<b>1</b>	<b>\$22.59</b>	<b>\$84.83</b>	<b>\$62.24</b>	<b>375.52%</b>
Pilotless Fireplace	2	\$23.86	\$23.22	(\$0.64)	97.32%
Residential Energy Assessment	11				
<b>Residential Low Income Programs</b>					
Weatherization	19	\$91.36	\$146.98	\$55.62	160.88%
Furnace Replacement	8	131.35	101.61	(29.74)	77.36%
Furnace/Boiler Tune-up	1	64.82	0.00	(64.82)	0.00%
<b>Total Low Income Programs</b>	<b>28</b>	<b>\$102.90</b>	<b>\$124.61</b>	<b>\$21.71</b>	<b>121.10%</b>
<b>Total Residential Portfolio</b>	<b>1,245</b>	<b>\$24.86</b>	<b>\$18.64</b>	<b>(\$6.22)</b>	<b>74.98%</b>
<b><u>Commercial and Industrial</u></b>					
<b>Space Heating Equipment</b>					
Furnace 94%+ AFUE - Repl. & New	21	\$7.45	\$69.19	\$61.74	928.72%
Furnace 96%+ AFUE - New	6	32.20	42.80	10.60	132.92%
Furnace 96%+ AFUE - Repl.	17	9.39	22.80	13.41	242.81%
<b>Commercial Hot Water Boiler</b>					
Tier 1 (85%+ AFUE)	0	18.41	0.00	(18.41)	0.00%
Tier 2 (88%+ AFUE)	6	14.79	23.67	8.88	160.04%
<b>Commercial LP &amp; HP Steam Boilers</b>					
Tier 1 (<300,000 BTUH)	0	25.42	0.00	(25.42)	0.00%
Tier 2 (≥300,000 BTUH)	0	16.94	0.00	(16.94)	0.00%
<b>Total Space Heating</b>	<b>50</b>	<b>\$13.03</b>	<b>\$22.99</b>	<b>\$9.96</b>	<b>176.44%</b>

GREAT PLAINS NATURAL GAS CO.  
COST PER DK SAVED  
2014 ACTUAL TO AUTHORIZED

	Actual Participants	Cost per Dk			% of Authorized
		Authorized	Actual	Difference	
<b>Water Heating Equipment</b>					
Water Heater .64 EF+ (≥40 Gallons)	1	\$8.57	\$0.00	(\$8.57)	0.00%
Water Heater Storage 88% cond	2	21.29	3.24	(18.05)	15.22%
Total Water Heating	3	\$18.76	\$3.71	(\$15.05)	19.78%
<b>Commercial Boiler Equipment</b>					
O2 Control	0	\$20.44	\$0.00	(\$20.44)	0.00%
Modulating Burners					
Tier 1 (<2,500 kBTUH)	0	14.16	0.00	(14.16)	0.00%
Tier 2 (>2,500 kBTUH)	0	3.76	0.00	(3.76)	0.00%
Stack Dampers	0	1.87	0.00	(1.87)	0.00%
Turbulators	0	3.11	0.00	(3.11)	0.00%
Outdoor Air Reset	0	1.47	0.00	(1.47)	0.00%
Cut-Out Control	0	1.10	0.00	(1.10)	0.00%
Commercial Boiler Tune-Up					
Tier 1 (<2,500 kBTUH)	1	11.13	6.13	(5.00)	55.08%
Tier 2 (≥2,500 kBTUH)	10	2.39	1.92	(0.47)	80.33%
Commercial Steam Traps	0	10.71	0.00	(10.71)	0.00%
Total Commercial Boiler	11	\$5.15	\$2.01	(\$3.14)	39.03%
<b>Foodservice Equipment</b>					
Tier 1 (\$500 Incentive)	0	\$8.05	\$0.00	(\$8.05)	0.00%
Tier 2 (\$1,000 Incentive)	0	11.45	0.00	(11.45)	0.00%
Total Foodservice	0	\$9.69	\$0.00	(\$9.69)	0.00%
Custom Program	0	\$9.66	\$0.00	(\$9.66)	0.00%
Building Certification Program	0				
Commercial Energy Assessment	2				
Industrial Energy Assessment	0				
Total Commercial Portfolio	66	\$10.27	\$12.57	\$2.30	122.40%
Total Portfolio 1/	1,311	\$14.66	\$16.54	\$1.88	112.82%

1/ Includes indirect assessment.

**GREAT PLAINS NATURAL GAS CO.  
SUMMARY OF LOW INCOME PROGRAMS  
2014**

Agency/ Customer Number	Weatherization			Furnace Replacement			Furnace/Boiler Tune-up			Total Low Income		
	Incentive Expense	Dk Savings	\$/Dk	Incentive Expense	Dk Savings	\$/Dk	Incentive Expense	Dk Savings	\$/Dk	Incentive Expense	Dk Savings	\$/Dk
<b>Mahube</b>												
1	\$803	12.4	\$64.76							\$803	12.4	\$64.76
2				\$2,035	35.1	\$57.98				2,035	35.1	57.98
3	1,980	26.0	76.15							1,980	26.0	76.15
	<u>\$2,783</u>	<u>38.4</u>	<u>\$72.47</u>	<u>\$2,035</u>	<u>35.1</u>	<u>\$57.98</u>	<u>\$0</u>	<u>0.0</u>	<u>\$0.00</u>	<u>\$4,818</u>	<u>73.5</u>	<u>\$65.55</u>
<b>Prairie V Community Action Council, Inc.</b>												
4	\$1,792	11.6	\$154.48							\$1,792	11.6	\$154.48
5	1,775	20.1	88.31							1,775	20.1	88.31
6	881	9.9	88.99							881	9.9	88.99
7							\$77	0.0	\$0.00	77	0.0	0.00
8	1,491	12.8	116.48							1,491	12.8	116.48
9	1,411	12.2	115.66							1,411	12.2	115.66
10	1,745	17.8	98.03							1,745	17.8	98.03
11				\$2,201	11.9	\$184.96				2,201	11.9	184.96
12	806	11.6	69.48							806	11.6	69.48
13				2,750	24.9	110.44				2,750	24.9	110.44
14	1,793	20.1	89.20							1,793	20.1	89.20
15	1,693	12.4	136.53							1,693	12.4	136.53
16				2,750	30.0	91.67				2,750	30.0	91.67
17	1,794	14.8	121.22							1,794	14.8	121.22
18				2,750	44.4	61.94				2,750	44.4	61.94
19	1,784	16.5	108.12							1,784	16.5	108.12
20				2,668	24.6	108.46				2,668	24.6	108.46
	<u>\$16,965</u>	<u>159.8</u>	<u>\$106.16</u>	<u>\$13,119</u>	<u>135.8</u>	<u>\$96.61</u>	<u>\$77</u>	<u>0.0</u>	<u>\$0.00</u>	<u>\$30,161</u>	<u>295.6</u>	<u>\$102.03</u>

**GREAT PLAINS NATURAL GAS CO.  
SUMMARY OF LOW INCOME PROGRAMS  
2014**

Agency/ Customer Number	Weatherization			Furnace Replacement			Furnace/Boiler Tune-up			Total Low Income		
	Incentive Expense	Dk Savings	\$/Dk	Incentive Expense	Dk Savings	\$/Dk	Incentive Expense	Dk Savings	\$/Dk	Incentive Expense	Dk Savings	\$/Dk
<u>West Central MN Communities Action, Inc.</u>												
21	\$942	20.0	\$47.10							\$942	20.0	\$47.10
22	1,761	22.1	79.68							1,761	22.1	79.68
23	1,777	23.1	76.93							1,777	23.1	76.93
	<u>\$4,480</u>	<u>65.2</u>	<u>\$68.71</u>	<u>\$0</u>	<u>0.0</u>	<u>\$0.00</u>	<u>\$0</u>	<u>0.0</u>	<u>\$0.00</u>	<u>\$4,480</u>	<u>65.2</u>	<u>68.71</u>
<u>Heartland Community</u>												
24	\$1,728	8.4	\$205.71							\$1,728	8.4	\$205.71
25				\$2,685	48.2	\$55.71				2,685	48.2	55.71
26	1,800	0.0	0.00							1,800	0.0	0.00
27	1,950	10.3	189.32							1,950	10.3	189.32
28				2,480	59.7	41.54				2,480	59.7	41.54
	<u>\$5,478</u>	<u>18.7</u>	<u>\$292.94</u>	<u>\$5,165</u>	<u>107.9</u>	<u>\$47.87</u>	<u>\$0</u>	<u>0.0</u>	<u>\$0.00</u>	<u>\$10,643</u>	<u>126.6</u>	<u>\$84.07</u>
Total Low Income	<u>\$29,706</u>	<u>282.1</u>	<u>\$105.30</u>	<u>\$20,319</u>	<u>278.8</u>	<u>\$72.88</u>	<u>\$77</u>	<u>0.0</u>	<u>\$0.00</u>	<u>\$50,102</u>	<u>560.9</u>	<u>\$89.32</u>
Total Participants											28	
Average Dk/Participant Saved											20.0	

Company: Great Plains Natural Gas Co.  
 Project: Total Natural Gas Portfolio with Indirect Programs

Input Data		2014	
1) Retail Rate (\$/MCF) =	\$7.92	16 Utility Project Costs	
Escalation Rate =	4.28%	16 a) Administrative & Operating Costs =	\$114,594
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 b) Incentive Costs =	\$208,908
Escalation Rate =	2.80%	16 c) Total Utility Project Costs =	\$323,502
Non-Gas Fuel Units (ie. kWh,Gallons, etc) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$410
3) Commodity Cost (\$/MCF) =	\$4.34	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0
Escalation Rate =	4.28%	Escalation Rate =	1.73%
4) Demand Cost (\$/Unit/Yr) =	\$239.13	19) Participant Non-Energy Savings (Annual \$/Part)	\$0
Escalation Rate =	4.28%	Escalation Rate =	1.73%
5) Peak Reduction Factor =	0.83%	20) Project Life (Years) =	11
6) Variable O&M (\$/MCF) =	\$0.0424	21) Avg. MCF/Part. Saved =	15.1
Escalation Rate =	4.28%	22) Avg Non-Gas Fuel Units/Part. Saved =	177 kWh
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.027	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh
Escalation Rate =	2.80%	23) Number of Participants =	1,311
8) Non-Gas Fuel Loss Factor	5.80%	24) Total Annual MCF Saved =	19,788
9) Gas Environmental Damage Factor =	\$0.3500	25) Incentive/Participant =	\$159.35
Escalation Rate =	1.73%		
10) Non Gas Fuel Enviro. Damage Factor (\$/U)	\$0.0213		
Escalation Rate =	1.73%		
11) Participant Discount Rate =	2.99%		
12) Utility Discount Rate =	8.96%		
13) Societal Discount Rate =	2.67%		
14) General Input Data Year =	2012		
15a) Project Analysis Year 1 =	2014		
15b) Project Analysis Year 2 =			
15c) Project Analysis Year 3 =			

Cost Summary	2014	Test Results	Triennial NPV	Triennial B/C
Utility Cost per Participant =	\$246.76	Ratepayer Impact Measure Test	(\$621,156)	0.66
Cost per Participant per MCF =	43.49401	Utility Cost Test	\$898,771	3.78
Lifetime Energy Reduction (MCF)	217,757	Societal Test	\$1,189,293	2.82
Societal Cost per MCF	2.9946394	Participant Test	\$1,668,234	4.10



Company: Great Plains Natural Gas Co.  
 Project: Total Residential Portfolio

Input Data		2014	
1) Retail Rate (\$/MCF) =	\$8.55	16 Utility Project Costs	
Escalation Rate =	4.28%	16 a) Administrative & Operating Costs =	\$63,821
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 b) Incentive Costs =	\$165,730
Escalation Rate =	2.80%	16 c) Total Utility Project Costs =	\$229,551
Non-Gas Fuel Units (ie. kWh,Gallons, etc) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$372
3) Commodity Cost (\$/MCF) =	\$4.34	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0
Escalation Rate =	4.28%	Escalation Rate =	1.73%
4) Demand Cost (\$/Unit/Yr) =	\$239.13	19) Participant Non-Energy Savings (Annual \$/Part.) =	\$0
Escalation Rate =	4.28%	Escalation Rate =	1.73%
5) Peak Reduction Factor =	1.00%	20) Project Life (Years) =	11
6) Variable O&M (\$/MCF) =	\$0.0424	21) Avg. MCF/Part. Saved =	9.9
Escalation Rate =	4.28%	22) Avg Non-Gas Fuel Units/Part. Saved =	163 kWh
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.027	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh
Escalation Rate =	2.80%	23) Number of Participants =	1,245
8) Non-Gas Fuel Loss Factor	5.80%	24) Total Annual MCF Saved =	12,312
9) Gas Environmental Damage Factor =	\$0.3500	25) Incentive/Participant =	\$133.12
Escalation Rate =	1.73%		
10) Non Gas Fuel Enviro. Damage Factor (\$/Ur	\$0.0213		
Escalation Rate =	1.73%		
11) Participant Discount Rate =	2.99%		
12) Utility Discount Rate =	8.96%		
13) Societal Discount Rate =	2.67%		
14) General Input Data Year =	2012		
15a) Project Analysis Year 1 =	2014		
15b) Project Analysis Year 2 =			
15c) Project Analysis Year 3 =			

Cost Summary	2014	Test Results	Triennial	Triennial
			NPV	B/C
Utility Cost per Participant =	\$184.38	Ratepayer Impact Measure Test	(\$441,358)	0.65
Cost per Participant per MCF =	56.199811	Utility Cost Test	\$580,052	3.53
Lifetime Energy Reduction (MCF)	135,581	Societal Test	\$718,245	2.36
Societal Cost per MCF	3.886702	Participant Test	\$1,044,488	3.26

Company: Great Plains Natural Gas Co.  
 Project: Total Residential Space Heating  
 Equipment

Input Data		2014	
1) Retail Rate (\$/MCF) =	\$8.55	16 Utility Project Costs	
Escalation Rate =	4.28%	16 a) Administrative & Operating Costs =	\$40,531
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 b) Incentive Costs =	\$101,650
Escalation Rate =	2.80%	16 c) Total Utility Project Costs =	\$142,181
Non-Gas Fuel Units (ie. kWh,Gallons, etc) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$799
3) Commodity Cost (\$/MCF) =	\$4.34	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0
Escalation Rate =	4.28%	Escalation Rate =	1.73%
4) Demand Cost (\$/Unit/Yr) =	\$239.13	19) Participant Non-Energy Savings (Annual \$/Part)	\$0
Escalation Rate =	4.28%	Escalation Rate =	1.73%
5) Peak Reduction Factor =	1.00%	20) Project Life (Years) =	13
6) Variable O&M (\$/MCF) =	\$0.0424	21) Avg. MCF/Part. Saved =	18.4
Escalation Rate =	4.28%	22) Avg Non-Gas Fuel Units/Part. Saved =	401 kWh
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.027	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh
Escalation Rate =	2.80%	23) Number of Participants =	491
8) Non-Gas Fuel Loss Factor	5.80%	24) Total Annual MCF Saved =	9,033
9) Gas Environmental Damage Factor =	\$0.3500	25) Incentive/Participant =	\$207.03
Escalation Rate =	1.73%		
10) Non Gas Fuel Enviro. Damage Factor (\$/U)	\$0.0213		
Escalation Rate =	1.73%		
11) Participant Discount Rate =	2.67%		
12) Utility Discount Rate =	8.96%		
13) Societal Discount Rate =	2.67%		
14) General Input Data Year =	2012		
15a) Project Analysis Year 1 =	2014		
15b) Project Analysis Year 2 =			
15c) Project Analysis Year 3 =			

Cost Summary	2014	Test Results	Triennial NPV	Triennial B/C
Utility Cost per Participant =	\$289.57	Ratepayer Impact Measure Test	(\$318,452)	0.68
Cost per Participant per MCF =	59.161649	Utility Cost Test	\$531,598	4.74
Lifetime Energy Reduction (MCF)	117,447	Societal Test	\$693,129	2.60
Societal Cost per MCF	3.6854008	Participant Test	\$909,608	3.32

Company: Great Plains Natural Gas Co.  
 Project: Total Residential Water Heating Equipment

Input Data		2014	
1) Retail Rate (\$/MCF) =	\$8.55	16 Utility Project Costs	
Escalation Rate =	4.28%	16 a) Administrative & Operating Costs =	\$1,967
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 b) Incentive Costs =	\$10,537
Escalation Rate =	2.80%	16 c) Total Utility Project Costs =	\$12,504
Non-Gas Fuel Units (ie. kWh,Gallons, etc) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$18
3) Commodity Cost (\$/MCF) =	\$4.34	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0
Escalation Rate =	4.28%	Escalation Rate =	1.73%
4) Demand Cost (\$/Unit/Yr) =	\$239.13	19) Participant Non-Energy Savings (Annual \$/Part.) =	\$0
Escalation Rate =	4.28%	Escalation Rate =	1.73%
5) Peak Reduction Factor =	1.00%	20) Project Life (Years) =	10
6) Variable O&M (\$/MCF) =	\$0.0424	21) Avg. MCF/Part. Saved =	3.8
Escalation Rate =	4.28%	22) Avg Non-Gas Fuel Units/Part. Saved =	0 kWh
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.027	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh
Escalation Rate =	2.80%	23) Number of Participants =	712
8) Non-Gas Fuel Loss Factor	5.80%	24) Total Annual MCF Saved =	2,703
9) Gas Environmental Damage Factor =	\$0.3500	25) Incentive/Participant =	\$14.80
Escalation Rate =	1.73%		
10) Non Gas Fuel Enviro. Damage Factor (\$/Ur	\$0.0213		
Escalation Rate =	1.73%		
11) Participant Discount Rate =	2.67%		
12) Utility Discount Rate =	8.96%		
13) Societal Discount Rate =	2.67%		
14) General Input Data Year =	2012		
15a) Project Analysis Year 1 =	2014		
15b) Project Analysis Year 2 =			
15c) Project Analysis Year 3 =			

Cost Summary	2014	Test Results	Triennial	Triennial
			NPV	B/C
Utility Cost per Participant =	\$17.56	Ratepayer Impact Measure Test	(\$55,636)	0.75
Cost per Participant per MCF =	9.3583678	Utility Cost Test	\$152,366	13.19
Lifetime Energy Reduction (MCF)	27,056	Societal Test	\$208,584	15.11
Societal Cost per MCF	0.5463853	Participant Test	\$267,657	21.88

Company: Great Plains Natural Gas Co.  
 Project: Total Attic Insulation and Bypass Programs

Input Data		2014	
1) Retail Rate (\$/MCF) =	\$8.55	16 Utility Project Costs	
Escalation Rate =	4.28%	16 a) Administrative & Operating Costs =	\$359
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 b) Incentive Costs =	\$150
Escalation Rate =	2.80%	16 c) Total Utility Project Costs =	\$509
Non-Gas Fuel Units (ie. kWh,Gallons, etc) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$1,380
3) Commodity Cost (\$/MCF) =	\$4.34	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0
Escalation Rate =	4.28%	Escalation Rate =	1.73%
4) Demand Cost (\$/Unit/Yr) =	\$239.13	19) Participant Non-Energy Savings (Annual \$/Part)	\$0
Escalation Rate =	4.28%	Escalation Rate =	1.73%
5) Peak Reduction Factor =	1.00%	20) Project Life (Years) =	20
6) Variable O&M (\$/MCF) =	\$0.0424	21) Avg. MCF/Part. Saved =	6.0
Escalation Rate =	4.28%	22) Avg Non-Gas Fuel Units/Part. Saved =	126 kWh
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.027	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh
Escalation Rate =	2.80%	23) Number of Participants =	1
8) Non-Gas Fuel Loss Factor	5.80%	24) Total Annual MCF Saved =	6
9) Gas Environmental Damage Factor =	\$0.3500	25) Incentive/Participant =	\$150.00
Escalation Rate =	1.73%		
10) Non Gas Fuel Enviro. Damage Factor (\$/Unit)	\$0.0213		
Escalation Rate =	1.73%		
11) Participant Discount Rate =	2.67%		
12) Utility Discount Rate =	8.96%		
13) Societal Discount Rate =	2.67%		
14) General Input Data Year =	2012		
15a) Project Analysis Year 1 =	2014		
15b) Project Analysis Year 2 =			
15c) Project Analysis Year 3 =			

Cost Summary	2014	Test Results	Triennial NPV	Triennial B/C
Utility Cost per Participant =	\$509.00	Ratepayer Impact Measure Test	(\$666)	0.47
Cost per Participant per MCF =	314.83333	Utility Cost Test	\$92	1.18
Lifetime Energy Reduction (MCF)	120	Societal Test	(\$539)	0.69
Societal Cost per MCF	14.491667	Participant Test	\$68	1.05

Company: Great Plains Natural Gas Co.  
 Project: Residential Pilotless Fireplace

Input Data		2014	
1) Retail Rate (\$/MCF) =	\$8.55	16 Utility Project Costs	
Escalation Rate =	4.28%	16 a) Administrative & Operating Costs =	\$59
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 b) Incentive Costs =	\$150
Escalation Rate =	2.80%	16 c) Total Utility Project Costs =	\$209
Non-Gas Fuel Units (ie. kWh,Gallons, etc) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$193
3) Commodity Cost (\$/MCF) =	\$4.34	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0
Escalation Rate =	4.28%	Escalation Rate =	1.73%
4) Demand Cost (\$/Unit/Yr) =	\$239.13	19) Participant Non-Energy Savings (Annual \$/Part)	\$0
Escalation Rate =	4.28%	Escalation Rate =	1.73%
5) Peak Reduction Factor =	1.00%	20) Project Life (Years) =	15
6) Variable O&M (\$/MCF) =	\$0.0424	21) Avg. MCF/Part. Saved =	4.5
Escalation Rate =	4.28%	22) Avg Non-Gas Fuel Units/Part. Saved =	0 kWh
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.027	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh
Escalation Rate =	2.80%	23) Number of Participants =	2
8) Non-Gas Fuel Loss Factor	5.80%	24) Total Annual MCF Saved =	9
9) Gas Environmental Damage Factor =	\$0.3500	25) Incentive/Participant =	\$75.00
Escalation Rate =	1.73%		
10) Non Gas Fuel Enviro. Damage Factor (\$/U)	\$0.0213		
Escalation Rate =	1.73%		
11) Participant Discount Rate =	2.67%		
12) Utility Discount Rate =	8.96%		
13) Societal Discount Rate =	2.67%		
14) General Input Data Year =	2012		
15a) Project Analysis Year 1 =	2014		
15b) Project Analysis Year 2 =			
15c) Project Analysis Year 3 =			

Cost Summary		Test Results	
	2014	Triennial NPV	Triennial B/C
Utility Cost per Participant =	\$104.50	Ratepayer Impact Measure Test	(\$404) 0.65
Cost per Participant per MCF =	66.111111	Utility Cost Test	\$536 3.56
Lifetime Energy Reduction (MCF)	135	Societal Test	\$712 2.60
Societal Cost per MCF	3.2962963	Participant Test	\$1,166 4.02

Company: Great Plains Natural Gas Co.  
 Project: Residential Energy Assessment Program

Input Data		2014	
1) Retail Rate (\$/MCF) =	\$8.55	16 Utility Project Costs	
Escalation Rate =	4.28%	16 a) Administrative & Operating Costs =	\$1,102
		16 b) Incentive Costs =	\$3,141
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 c) Total Utility Project Costs =	\$4,243
Escalation Rate =	2.80%		
Non-Gas Fuel Units (ie. kWh,Gallons, etc) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$300
3) Commodity Cost (\$/MCF) =	\$4.34	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0
Escalation Rate =	4.28%	Escalation Rate =	1.73%
4) Demand Cost (\$/Unit/Yr) =	\$239.13	19) Participant Non-Energy Savings (Annual \$/Part)	\$0
Escalation Rate =	4.28%	Escalation Rate =	1.73%
5) Peak Reduction Factor =	1.00%	20) Project Life (Years) =	10
6) Variable O&M (\$/MCF) =	\$0.0424	21) Avg. MCF/Part. Saved =	-
Escalation Rate =	4.28%	22) Avg Non-Gas Fuel Units/Part. Saved =	0 kWh
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.027	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh
Escalation Rate =	2.80%	23) Number of Participants =	11
8) Non-Gas Fuel Loss Factor	5.80%	24) Total Annual MCF Saved =	0
9) Gas Environmental Damage Factor =	\$0.3500	25) Incentive/Participant =	\$285.55
Escalation Rate =	1.73%		
10) Non Gas Fuel Enviro. Damage Factor (\$/U)	\$0.0213		
Escalation Rate =	1.73%		
11) Participant Discount Rate =	2.67%		
12) Utility Discount Rate =	8.96%		
13) Societal Discount Rate =	2.67%		
14) General Input Data Year =	2012		
15a) Project Analysis Year 1 =	2014		
15b) Project Analysis Year 2 =			
15c) Project Analysis Year 3 =			

Cost Summary	2014	Test Results	Triennial NPV	Triennial B/C
Utility Cost per Participant =	\$385.73	Ratepayer Impact Measure Test	(\$4,243)	0.00
Cost per Participant per MCF =	#DIV/0!	Utility Cost Test	(\$4,243)	0.00
Lifetime Energy Reduction (MCF)	0	Societal Test	(\$4,402)	0.00
Societal Cost per MCF	#DIV/0!	Participant Test	(\$159)	0.95

Company: Great Plains Natural Gas Co.  
 Project: Total Low Income Programs

Input Data		2014	
1) Retail Rate (\$/MCF) =	\$8.55	16 Utility Project Costs	
Escalation Rate =	4.28%	16 a) Administrative & Operating Costs =	\$19,803
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 b) Incentive Costs =	\$50,102
Escalation Rate =	2.80%	16 c) Total Utility Project Costs =	\$69,905
Non-Gas Fuel Units (ie. kWh,Gallons, etc) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$1,878
3) Commodity Cost (\$/MCF) =	\$4.34	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0
Escalation Rate =	4.28%	Escalation Rate =	1.73%
4) Demand Cost (\$/Unit/Yr) =	\$239.13	19) Participant Non-Energy Savings (Annual \$/Part)	\$0
Escalation Rate =	4.28%	Escalation Rate =	1.73%
5) Peak Reduction Factor =	1.00%	20) Project Life (Years) =	19
6) Variable O&M (\$/MCF) =	\$0.0424	21) Avg. MCF/Part. Saved =	20.0
Escalation Rate =	4.28%	22) Avg Non-Gas Fuel Units/Part. Saved =	191 kWh
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.027	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh
Escalation Rate =	2.80%	23) Number of Participants =	28
8) Non-Gas Fuel Loss Factor	5.80%	24) Total Annual MCF Saved =	561
9) Gas Environmental Damage Factor =	\$0.3500	25) Incentive/Participant =	\$1,789.35
Escalation Rate =	1.73%		
10) Non Gas Fuel Enviro. Damage Factor (\$/U)	\$0.0213		
Escalation Rate =	1.73%		
11) Participant Discount Rate =	2.67%		
12) Utility Discount Rate =	8.96%		
13) Societal Discount Rate =	2.67%		
14) General Input Data Year =	2012		
15a) Project Analysis Year 1 =	2014		
15b) Project Analysis Year 2 =			
15c) Project Analysis Year 3 =			

Cost Summary	2014	Test Results	Triennial	Triennial
			NPV	B/C
Utility Cost per Participant =	\$2,496.60	Ratepayer Impact Measure Test	(\$84,119)	0.39
Cost per Participant per MCF =	218.72994	Utility Cost Test	(\$15,572)	0.78
Lifetime Energy Reduction (MCF)	10,640	Societal Test	\$26,931	1.37
Societal Cost per MCF	6.8032895	Participant Test	\$111,671	3.12

Company: Great Plains Natural Gas Co.  
 Project: Total Commercial and Industrial Portfolio

Input Data		2014	
1) Retail Rate (\$/MCF) =	\$6.88	16 Utility Project Costs	
Escalation Rate =	4.28%	16 a) Administrative & Operating Costs =	\$50,773
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 b) Incentive Costs =	\$43,178
Escalation Rate =	2.80%	16 c) Total Utility Project Costs =	\$93,951
Non-Gas Fuel Units (ie. kWh,Gallons, etc) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$1,141
3) Commodity Cost (\$/MCF) =	\$4.34	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0
Escalation Rate =	4.28%	Escalation Rate =	1.73%
4) Demand Cost (\$/Unit/Yr) =	\$239.13	19) Participant Non-Energy Savings (Annual \$/Part.) :	\$0
Escalation Rate =	4.28%	Escalation Rate =	1.73%
5) Peak Reduction Factor =	0.54%	20) Project Life (Years) =	15
6) Variable O&M (\$/MCF) =	\$0.0424	21) Avg. MCF/Part. Saved =	113.3
Escalation Rate =	4.28%	22) Avg Non-Gas Fuel Units/Part. Saved =	446 kWh
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.027	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh
Escalation Rate =	2.80%	23) Number of Participants =	66
8) Non-Gas Fuel Loss Factor	5.80%	24) Total Annual MCF Saved =	7,476
9) Gas Environmental Damage Factor =	\$0.3500	25) Incentive/Participant =	\$654.21
Escalation Rate =	1.73%		
10) Non Gas Fuel Enviro. Damage Factor (\$/Ur	\$0.0213		
Escalation Rate =	1.73%		
11) Participant Discount Rate =	2.99%		
12) Utility Discount Rate =	8.96%		
13) Societal Discount Rate =	2.67%		
14) General Input Data Year =	2012		
15a) Project Analysis Year 1 =	2014		
15b) Project Analysis Year 2 =			
15c) Project Analysis Year 3 =			

Cost Summary	2014	Test Results	Triennial	Triennial
			NPV	B/C
Utility Cost per Participant =	\$1,423.50	Ratepayer Impact Measure Test	(\$204,443)	0.72
Cost per Participant per MCF =	22.634598	Utility Cost Test	\$424,199	5.52
Lifetime Energy Reduction (MCF)	112,167	Societal Test	\$708,568	6.62
Societal Cost per MCF	1.1240293	Participant Test	\$865,256	12.76



Company: Great Plains Natural Gas Co.  
 Project: Total Commercial Space Heating Equipment

Input Data		2014	
1) Retail Rate (\$/MCF) =	\$8.11	16 Utility Project Costs	
Escalation Rate =	4.28%	16 a) Administrative & Operating Costs =	\$43,937
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 b) Incentive Costs =	\$37,365
Escalation Rate =	2.80%	16 c) Total Utility Project Costs =	\$81,302
Non-Gas Fuel Units (ie. kWh,Gallons, etc) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$1,386
3) Commodity Cost (\$/MCF) =	\$4.34	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0
Escalation Rate =	4.28%	Escalation Rate =	1.73%
4) Demand Cost (\$/Unit/Yr) =	\$239.13	19) Participant Non-Energy Savings (Annual \$/Part.) =	\$0
Escalation Rate =	4.28%	Escalation Rate =	1.73%
5) Peak Reduction Factor =	1.00%	20) Project Life (Years) =	18
6) Variable O&M (\$/MCF) =	\$0.0424	21) Avg. MCF/Part. Saved =	70.7
Escalation Rate =	4.28%	22) Avg Non-Gas Fuel Units/Part. Saved =	589 kWh
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.027	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh
Escalation Rate =	2.80%	23) Number of Participants =	50
8) Non-Gas Fuel Loss Factor	5.80%	24) Total Annual MCF Saved =	3,536
9) Gas Environmental Damage Factor =	\$0.3500	25) Incentive/Participant =	\$747.30
Escalation Rate =	1.73%		
10) Non Gas Fuel Enviro. Damage Factor (\$/Ur	\$0.0213		
Escalation Rate =	1.73%		
11) Participant Discount Rate =	8.96%		
12) Utility Discount Rate =	8.96%		
13) Societal Discount Rate =	2.67%		
14) General Input Data Year =	2012		
15a) Project Analysis Year 1 =	2014		
15b) Project Analysis Year 2 =			
15c) Project Analysis Year 3 =			

Cost Summary	2014	Test Results	Triennial NPV	Triennial B/C
Utility Cost per Participant =	\$1,626.04	Ratepayer Impact Measure Test	(\$146,632)	0.69
Cost per Participant per MCF =	42.603112	Utility Cost Test	\$249,856	4.07
Lifetime Energy Reduction (MCF)	63,630	Societal Test	\$472,423	5.17
Societal Cost per MCF	1.7796165	Participant Test	\$364,553	6.26

Company: Great Plains Natural Gas Co.  
 Project: Total Commercial Water Heating Equipment

Input Data		2014	
1) Retail Rate (\$/MCF) =	\$8.11	16 Utility Project Costs	
Escalation Rate =	4.28%	16 a) Administrative & Operating Costs =	\$940
		16 b) Incentive Costs =	\$799
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 c) Total Utility Project Costs =	\$1,739
Escalation Rate =	2.80%		
Non-Gas Fuel Units (ie. kWh,Gallons, etc) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$175
3) Commodity Cost (\$/MCF) =	\$4.34	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0
Escalation Rate =	4.28%	Escalation Rate =	1.73%
4) Demand Cost (\$/Unit/Yr) =	\$239.13	19) Participant Non-Energy Savings (Annual \$/Part)	\$0
Escalation Rate =	4.28%	Escalation Rate =	1.73%
5) Peak Reduction Factor =	1.00%	20) Project Life (Years) =	15
6) Variable O&M (\$/MCF) =	\$0.0424	21) Avg. MCF/Part. Saved =	156.4
Escalation Rate =	4.28%	22) Avg Non-Gas Fuel Units/Part. Saved =	0 kWh
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.027	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh
Escalation Rate =	2.80%		
8) Non-Gas Fuel Loss Factor	5.80%	23) Number of Participants =	3
9) Gas Environmental Damage Factor =	\$0.3500	24) Total Annual MCF Saved =	469
Escalation Rate =	1.73%	25) Incentive/Participant =	\$266.33
10) Non Gas Fuel Enviro. Damage Factor (\$/Unit)	\$0.0213		
Escalation Rate =	1.73%		
11) Participant Discount Rate =	8.96%		
12) Utility Discount Rate =	8.96%		
13) Societal Discount Rate =	2.67%		
14) General Input Data Year =	2012		
15a) Project Analysis Year 1 =	2014		
15b) Project Analysis Year 2 =			
15c) Project Analysis Year 3 =			

Cost Summary	2014	Test Results	Triennial NPV	Triennial B/C
Utility Cost per Participant =	\$579.67	Ratepayer Impact Measure Test	(\$9,396)	0.81
Cost per Participant per MCF =	4.8252344	Utility Cost Test	\$37,076	22.32
Lifetime Energy Reduction (MCF)	7,038	Societal Test	\$58,865	41.18
Societal Cost per MCF	0.2081557	Participant Test	\$46,746	90.04

Company: Great Plains Natural Gas Co.  
 Project: Total Commercial Boiler Equipment

Input Data		2014	
1) Retail Rate (\$/MCF) =	\$5.47	16 Utility Project Costs	
Escalation Rate =	4.28%	16 a) Administrative & Operating Costs =	\$3,763
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 b) Incentive Costs =	\$3,200
Escalation Rate =	2.80%	16 c) Total Utility Project Costs =	\$6,963
Non-Gas Fuel Units (ie. kWh,Gallons, etc) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$300
3) Commodity Cost (\$/MCF) =	\$4.34	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0
Escalation Rate =	4.28%	Escalation Rate =	1.73%
4) Demand Cost (\$/Unit/Yr) =	\$239.13	19) Participant Non-Energy Savings (Annual \$/Part)	\$0
Escalation Rate =	4.28%	Escalation Rate =	1.73%
5) Peak Reduction Factor =	0.02%	20) Project Life (Years) =	2
6) Variable O&M (\$/MCF) =	\$0.0424	21) Avg. MCF/Part. Saved =	315.5
Escalation Rate =	4.28%	22) Avg Non-Gas Fuel Units/Part. Saved =	0 kWh
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.027	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh
Escalation Rate =	2.80%	23) Number of Participants =	11
8) Non-Gas Fuel Loss Factor	5.80%	24) Total Annual MCF Saved =	3,471
9) Gas Environmental Damage Factor =	\$0.3500	25) Incentive/Participant =	\$290.91
Escalation Rate =	1.73%		
10) Non Gas Fuel Enviro. Damage Factor (\$/U)	\$0.0213		
Escalation Rate =	1.73%		
11) Participant Discount Rate =	8.96%		
12) Utility Discount Rate =	8.96%		
13) Societal Discount Rate =	2.67%		
14) General Input Data Year =	2012		
15a) Project Analysis Year 1 =	2014		
15b) Project Analysis Year 2 =			
15c) Project Analysis Year 3 =			

Cost Summary	2014	Test Results	Triennial NPV	Triennial B/C
Utility Cost per Participant =	\$633.00	Ratepayer Impact Measure Test	(\$14,631)	0.69
Cost per Participant per MCF =	2.9572108	Utility Cost Test	\$25,758	4.70
Lifetime Energy Reduction (MCF)	6,941	Societal Test	\$29,141	5.13
Societal Cost per MCF	1.0175767	Participant Test	\$40,289	13.21

Company: Great Plains Natural Gas Co.  
 Project: Commercial Energy Assessment Program

Input Data		2014	
1) Retail Rate (\$/MCF) =	\$5.41	16 Utility Project Costs	
Escalation Rate =	4.28%	16 a) Administrative & Operating Costs =	\$2,133
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 b) Incentive Costs =	\$1,814
Escalation Rate =	2.80%	16 c) Total Utility Project Costs =	\$3,947
Non-Gas Fuel Units (ie. kWh,Gallons, etc) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$1,100
3) Commodity Cost (\$/MCF) =	\$4.34	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0
Escalation Rate =	4.28%	Escalation Rate =	1.73%
4) Demand Cost (\$/Unit/Yr) =	\$239.13	19) Participant Non-Energy Savings (Annual \$/Part)	\$0
Escalation Rate =	4.28%	Escalation Rate =	1.73%
5) Peak Reduction Factor =	0.00%	20) Project Life (Years) =	-
6) Variable O&M (\$/MCF) =	\$0.0424	21) Avg. MCF/Part. Saved =	-
Escalation Rate =	4.28%	22) Avg Non-Gas Fuel Units/Part. Saved =	0 kWh
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.027	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh
Escalation Rate =	2.80%	23) Number of Participants =	2
8) Non-Gas Fuel Loss Factor	5.80%	24) Total Annual MCF Saved =	0
9) Gas Environmental Damage Factor =	\$0.3500	25) Incentive/Participant =	\$907.00
Escalation Rate =	1.73%		
10) Non Gas Fuel Enviro. Damage Factor (\$/Unit)	\$0.0213		
Escalation Rate =	1.73%		
11) Participant Discount Rate =	8.96%		
12) Utility Discount Rate =	8.96%		
13) Societal Discount Rate =	2.67%		
14) General Input Data Year =	2012		
15a) Project Analysis Year 1 =	2014		
15b) Project Analysis Year 2 =			
15c) Project Analysis Year 3 =			

Cost Summary	2014	Test Results	Triennial NPV	Triennial B/C
Utility Cost per Participant =	\$1,973.50	Ratepayer Impact Measure Test	(\$3,947)	0.00
Cost per Participant per MCF =	#DIV/0!	Utility Cost Test	(\$3,947)	0.00
Lifetime Energy Reduction (MCF)	0	Societal Test	(\$4,333)	0.00
Societal Cost per MCF	#DIV/0!	Participant Test	(\$386)	0.82

Program Name: Building Certification Program  
 Program Design Manager: Great Plains Natural Gas  
 Category: Other - Indirect

	2008 Actual	2009 Actual	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Plan	2016 Plan
	Inactive	Inactive	Inactive	Inactive	Inactive	Active	Active	Active	Active
<b>Utility Cost Components</b>									
Delivery and Administration (2008-2010)									
Delivery (2011-present)						\$0.00	\$0.00	\$0.00	
Administration (2011-present)						\$3,677.00	\$0.00	\$1,176.00	
Evaluation, Measurement & Verification						\$0.00	\$0.00	\$0.00	
Advertising & Promotion						\$0.00	\$0.00	\$0.00	
Incentives						\$3,000.00	\$0.00	\$4,000.00	
Other						\$0.00	\$0.00	\$0.00	
<b>Total Utility Costs</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$6,677.00</b>	<b>\$0.00</b>	<b>\$5,176.00</b>	<b>\$0.00</b>
<b>Program Participants</b>									
Total Participants						1	0	1	
<b>% of Spending by Customer Segments</b>									
Residential						0%	0%	0%	
Commerical						100%	100%	100%	
Industrial						0%	0%	0%	
Farm						0%	0%	0%	
Other						0%	0%	0%	
<b>Total % of Spending</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>0%</b>
<b>Low-Income Participation</b>									
Participant % (% of Total Participants)						0.0%	0.0%	0.0%	
Budget % (% of Total Utility Costs)						0.0%	0.0%	0.0%	
<b>Energy Savings</b>									
Annual MCF Saved						0	0	0	
Cost per Annual MCF Saved	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
<b>Benefit/Cost Ratios</b>									
Utility Ratio						0.00	0.00	0.00	
Utility NPV						\$0	\$0	\$0	
Ratepayer Ratio						0.00	0.00	0.00	
Ratepayer NPV						\$0	\$0	\$0	
Participant Ratio						0.00	0.00	0.00	
Participant NPV						\$0	\$0	\$0	
Societal Ratio						0.00	0.00	0.00	
Societal NPV						\$0	\$0	\$0	
<b>Narrative</b>									

Program Name: C/I Boiler Upgrades  
 Program Design Manager: Great Plains Natural Gas  
 Category: Non-Residential Space Heating (Non-Heat Pumps)

	2008 Actual	2009 Actual	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Plan	2016 Plan
	Inactive	Inactive	Active	Active	Active	Active	Active	Active	Active
<b>Utility Cost Components</b>									
Delivery and Administration (2008-2010)			\$6,894.00						
Delivery (2011-present)				\$885.00	\$3,147.00	\$0.00	\$0.00	\$0.00	
Administration (2011-present)				\$0.00	\$0.00	\$5,562.00	\$3,763.00	\$6,252.00	
Evaluation, Measurement & Verification			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Advertising & Promotion			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Incentives			\$24,152.00	\$868.00	\$4,620.00	\$4,538.00	\$3,200.00	\$21,270.00	
Other			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
<b>Total Utility Costs</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$31,046.00</b>	<b>\$1,753.00</b>	<b>\$7,767.00</b>	<b>\$10,100.00</b>	<b>\$6,963.00</b>	<b>\$27,522.00</b>	<b>\$0.00</b>
<b>Program Participants</b>									
Total Participants			30	5	8	17	11	58	
<b>% of Spending by Customer Segments</b>									
Residential			0%	0%	0%	0%	0%	0%	
Commerical			100%	100%	100%	100%	100%	100%	
Industrial			0%	0%	0%	0%	0%	0%	
Farm			0%	0%	0%	0%	0%	0%	
Other			0%	0%	0%	0%	0%	0%	
<b>Total % of Spending</b>	<b>0%</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>0%</b>
<b>Low-Income Participation</b>									
Participant % (% of Total Participants)			0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Budget % (% of Total Utility Costs)			0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
<b>Energy Savings</b>									
Annual MCF Saved			3,083	129	1,044	951	3,471	5,320	
Cost per Annual MCF Saved	\$0.0000	\$0.0000	\$10.0701	\$13.5891	\$7.4397	\$10.6204	\$2.0061	\$5.1733	\$0.0000
<b>Benefit/Cost Ratios</b>									
Utility Ratio						1.13	4.70	9.92	
Utility NPV						\$1,321	\$25,758	\$660,118	
Ratepayer Ratio						0.48	0.69	0.77	
Ratepayer NPV						(\$12,487)	(\$14,631)	(\$218,817)	
Participant Ratio						3.60	13.21	4.35	
Participant NPV						\$13,246	\$40,289	\$720,932	
Societal Ratio						1.17	5.13	4.06	
Societal NPV						\$1,775	\$29,141	\$756,122	
<b>Narrative</b>									

Program Name: C/I Space Heating  
 Program Design Manager: Great Plains Natural Gas  
 Category: Non-Residential Space Heating (Non-Heat Pumps)

	2008 Actual	2009 Actual	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Plan	2016 Plan
	Inactive	Inactive	Active	Active	Active	Active	Active	Active	Active
<b>Utility Cost Components</b>									
Delivery and Administration (2008-2010)			\$72,116.00						
Delivery (2011-present)				\$6,168.00	\$11,268.00	\$0.00	\$0.00	\$0.00	
Administration (2011-present)				\$0.00	\$0.00	\$22,650.00	\$43,937.00	\$9,796.00	
Evaluation, Measurement & Verification			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Advertising & Promotion			\$0.00	\$0.00	\$16,550.00	\$18,479.00	\$0.00	\$33,335.00	
Incentives			\$13,850.00	\$6,050.00	\$0.00	\$0.00	\$37,365.00	\$0.00	
Other			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
<b>Total Utility Costs</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$85,966.00</b>	<b>\$12,218.00</b>	<b>\$27,818.00</b>	<b>\$41,129.00</b>	<b>\$81,302.00</b>	<b>\$43,131.00</b>	<b>\$0.00</b>
<b>Program Participants</b>									
Total Participants			32	21	33	30	50	48	
<b>% of Spending by Customer Segments</b>									
Residential			0%	0%	0%	0%	0%	0%	
Commerical			100%	100%	100%	100%	100%	100%	
Industrial			0%	0%	0%	0%	0%	0%	
Farm			0%	0%	0%	0%	0%	0%	
Other			0%	0%	0%	0%	0%	0%	
<b>Total % of Spending</b>	<b>0%</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>0%</b>
<b>Low-Income Participation</b>									
Participant % (% of Total Participants)			0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Budget % (% of Total Utility Costs)			0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
<b>Energy Savings</b>									
Annual MCF Saved			2,328	966	3,244	1,891	3,536	3,295	
Cost per Annual MCF Saved	\$0.0000	\$0.0000	\$36.9270	\$12.6480	\$8.5752	\$21.7499	\$22.9926	\$13.0898	\$0.0000
<b>Benefit/Cost Ratios</b>									
Utility Ratio						3.81	4.07	7.43	
Utility NPV						\$115,472	\$249,856	\$761,675	
Ratepayer Ratio						0.75	0.69	0.75	
Ratepayer NPV						(\$73,442)	(\$146,632)	(\$292,138)	
Participant Ratio						4.16	6.26	3.98	
Participant NPV						\$157,533	\$364,553	\$857,801	
Societal Ratio						3.96	5.17	5.02	
Societal NPV						\$214,289	\$472,423	\$1,338,684	
<b>Narrative</b>									

Program Name: C/I Water Heating  
 Program Design Manager: Great Plains Natural Gas  
 Category: Non-Residential Service Water Heating

	2008 Actual	2009 Actual	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Plan	2016 Plan
	Inactive	Inactive	Active	Active	Active	Active	Active	Active	Active
<b>Utility Cost Components</b>									
Delivery and Administration (2008-2010)			\$1,059.00						
Delivery (2011-present)				\$1,713.00	\$1,212.00	\$0.00	\$0.00	\$0.00	
Administration (2011-present)				\$0.00	\$0.00	\$343.00	\$940.00	\$646.00	
Evaluation, Measurement & Verification			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Advertising & Promotion			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Incentives			\$3,710.00	\$1,680.00	\$1,780.00	\$280.00	\$799.00	\$2,200.00	
Other			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
<b>Total Utility Costs</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$4,769.00</b>	<b>\$3,393.00</b>	<b>\$2,992.00</b>	<b>\$623.00</b>	<b>\$1,739.00</b>	<b>\$2,846.00</b>	<b>\$0.00</b>
<b>Program Participants</b>									
Total Participants			9	3	4	1	3	7	
<b>% of Spending by Customer Segments</b>									
Residential			0%	0%	0%	0%	0%	0%	
Commerical			100%	100%	100%	100%	100%	100%	
Industrial			0%	0%	0%	0%	0%	0%	
Farm			0%	0%	0%	0%	0%	0%	
Other			0%	0%	0%	0%	0%	0%	
<b>Total % of Spending</b>	<b>0%</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>0%</b>
<b>Low-Income Participation</b>									
Participant % (% of Total Participants)			0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Budget % (% of Total Utility Costs)			0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
<b>Energy Savings</b>									
Annual MCF Saved			2,017	94	299	303	469	151	
Cost per Annual MCF Saved	\$0.0000	\$0.0000	\$2.3644	\$36.0957	\$10.0067	\$2.0561	\$3.7079	\$18.8477	\$0.0000
<b>Benefit/Cost Ratios</b>									
Utility Ratio						38.58	22.32	4.41	
Utility NPV						\$23,414	\$37,076	\$26,642	
Ratepayer Ratio						0.82	0.81	0.70	
Ratepayer NPV						(\$5,365)	(\$9,396)	(\$14,618)	
Participant Ratio						166.05	90.04	14.00	
Participant NPV						\$28,884	\$46,746	\$43,950	
Societal Ratio						72.20	41.18	10.46	
Societal NPV						\$36,880	\$58,865	\$51,380	
<b>Narrative</b>									



Program Name: CIP Assessment Charges  
 Program Design Manager: Great Plains Natural Gas  
 Category: Regulatory Charges

	2008 Actual	2009 Actual	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Plan	2016 Plan
	Inactive	Active	Active	Active	Active	Active	Active	Active	Active
<b>Utility Cost Components</b>									
Delivery and Administration (2008-2010)	\$0.00	\$0.00	\$0.00						
Delivery (2011-present)				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Administration (2011-present)				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Evaluation, Measurement & Verification	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Advertising & Promotion	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Other	\$0.00	\$17,323.00	\$31,641.00	\$26,178.00	\$15,000.00	\$22,575.00	\$3,878.00	\$26,000.00	
<b>Total Utility Costs</b>	<b>\$0.00</b>	<b>\$17,323.00</b>	<b>\$31,641.00</b>	<b>\$26,178.00</b>	<b>\$15,000.00</b>	<b>\$22,575.00</b>	<b>\$3,878.00</b>	<b>\$26,000.00</b>	<b>\$0.00</b>
<b>Program Participants</b>									
Total Participants	0	0	0	0	0	0	0	0	
<b>% of Spending by Customer Segments</b>									
Residential	0%	0%	0%	0%	0%	0%	0%	0%	
Commerical	0%	0%	0%	0%	0%	0%	0%	0%	
Industrial	0%	0%	0%	0%	0%	0%	0%	0%	
Farm	0%	0%	0%	0%	0%	0%	0%	0%	
Other	100%	100%	100%	100%	100%	100%	100%	100%	
<b>Total % of Spending</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>0%</b>
<b>Low-Income Participation</b>									
Participant % (% of Total Participants)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Budget % (% of Total Utility Costs)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
<b>Energy Savings</b>									
Annual MCF Saved	0	0	0	0	0	0	0	0	
Cost per Annual MCF Saved	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
<b>Benefit/Cost Ratios</b>									
Utility Ratio						0.00	0.00	0.00	
Utility NPV						\$0	\$0	\$0	
Ratepayer Ratio						0.00	0.00	0.00	
Ratepayer NPV						\$0	\$0	\$0	
Participant Ratio						0.00	0.00	0.00	
Participant NPV						\$0	\$0	\$0	
Societal Ratio						0.00	0.00	0.00	
Societal NPV						\$0	\$0	\$0	

Program Name: CIP Direct Charges  
 Program Design Manager: Great Plains Natural Gas  
 Category: Regulatory Charges

	2008 Actual	2009 Actual	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Plan	2016 Plan
	Active	Active	Inactive	Inactive	Inactive	Inactive	Active	Inactive	Active
<b>Utility Cost Components</b>									
Delivery and Administration (2008-2010)	\$0.00	\$0.00							
Delivery (2011-present)						\$0.00	\$0.00	\$0.00	
Administration (2011-present)						\$0.00	\$0.00	\$0.00	
Evaluation, Measurement & Verification	\$0.00	\$0.00				\$0.00	\$0.00	\$0.00	
Advertising & Promotion	\$0.00	\$0.00				\$0.00	\$0.00	\$0.00	
Incentives	\$0.00	\$0.00				\$0.00	\$0.00	\$0.00	
Other	\$30,551.00	\$6,535.00				\$0.00	\$0.00	\$0.00	
<b>Total Utility Costs</b>	<b>\$30,551.00</b>	<b>\$6,535.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Program Participants</b>									
Total Participants	0	0				0	0	0	
<b>% of Spending by Customer Segments</b>									
Residential	0%	0%				0%	0%	0%	
Commerical	0%	0%				0%	0%	0%	
Industrial	0%	0%				0%	0%	0%	
Farm	0%	0%				0%	0%	0%	
Other	100%	100%				100%	100%	100%	
<b>Total % of Spending</b>	<b>100%</b>	<b>100%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>0%</b>
<b>Low-Income Participation</b>									
Participant % (% of Total Participants)	0.0%	0.0%				0.0%	0.0%	0.0%	
Budget % (% of Total Utility Costs)	0.0%	0.0%				0.0%	0.0%	0.0%	
<b>Energy Savings</b>									
Annual MCF Saved	0	0				0	0	0	
Cost per Annual MCF Saved	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
<b>Benefit/Cost Ratios</b>									
Utility Ratio						0.00	0.00	0.00	
Utility NPV						\$0	\$0	\$0	
Ratepayer Ratio						0.00	0.00	0.00	
Ratepayer NPV						\$0	\$0	\$0	
Participant Ratio						0.00	0.00	0.00	
Participant NPV						\$0	\$0	\$0	
Societal Ratio						0.00	0.00	0.00	
Societal NPV						\$0	\$0	\$0	

Program Name: Commercial Energy Assessment  
 Program Design Manager: Great Plains Natural Gas  
 Category: Non-Residential Building Energy Audits / Analysis

	2008 Actual	2009 Actual	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Plan	2016 Plan
	Inactive	Inactive	Inactive	Inactive	Inactive	Active	Active	Active	Active
<b>Utility Cost Components</b>									
Delivery and Administration (2008-2010)									
Delivery (2011-present)						\$4,284.00	\$1,814.00	\$0.00	
Administration (2011-present)						\$5,251.00	\$2,133.00	\$12,291.00	
Evaluation, Measurement & Verification						\$0.00	\$0.00	\$0.00	
Advertising & Promotion						\$0.00	\$0.00	\$0.00	
Incentives						\$0.00	\$0.00	\$0.00	
Other						\$0.00	\$0.00	\$0.00	
<b>Total Utility Costs</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$9,535.00</b>	<b>\$3,947.00</b>	<b>\$12,291.00</b>	<b>\$0.00</b>
<b>Program Participants</b>									
Total Participants						5	2	10	
<b>% of Spending by Customer Segments</b>									
Residential						0%	0%	0%	
Commerical						100%	100%	100%	
Industrial						0%	0%	0%	
Farm						0%	0%	0%	
Other						0%	0%	0%	
<b>Total % of Spending</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>0%</b>
<b>Low-Income Participation</b>									
Participant % (% of Total Participants)						0.0%	0.0%	0.0%	
Budget % (% of Total Utility Costs)						0.0%	0.0%	0.0%	
<b>Energy Savings</b>									
Annual MCF Saved						0	0	0	
Cost per Annual MCF Saved	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
<b>Benefit/Cost Ratios</b>									
Utility Ratio						0.00	0.00	0.00	
Utility NPV						\$0	\$0	\$0	
Ratepayer Ratio						0.00	0.00	0.00	
Ratepayer NPV						\$0	\$0	\$0	
Participant Ratio						0.00	0.00	0.00	
Participant NPV						\$0	\$0	\$0	
Societal Ratio						0.00	0.00	0.00	
Societal NPV						\$0	\$0	\$0	
<b>Narrative</b>									

Program Name: Custom Program  
 Program Design Manager: Great Plains Natural Gas  
 Category: Non-Residential Custom Efficiency

	2008 Actual	2009 Actual	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Plan	2016 Plan
	Inactive	Inactive	Inactive	Active	Active	Active	Active	Active	Active
<b>Utility Cost Components</b>									
Delivery and Administration (2008-2010)									
Delivery (2011-present)				\$64,095.00	\$45,403.00	\$0.00	\$0.00	\$0.00	
Administration (2011-present)				\$0.00	\$0.00	\$2,126.00	\$0.00	\$70,531.00	
Evaluation, Measurement & Verification				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Advertising & Promotion				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Incentives				\$62,868.00	\$66,680.00	\$1,735.00	\$0.00	\$240,000.00	
Other				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
<b>Total Utility Costs</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$126,963.00</b>	<b>\$112,083.00</b>	<b>\$3,861.00</b>	<b>\$0.00</b>	<b>\$310,531.00</b>	<b>\$0.00</b>
<b>Program Participants</b>									
Total Participants				4	6	1	0	8	
<b>% of Spending by Customer Segments</b>									
Residential				0%	0%	0%	0%	0%	
Commerical				100%	100%	100%	0%	100%	
Industrial				0%	0%	0%	0%	0%	
Farm				0%	0%	0%	0%	0%	
Other				0%	0%	0%	0%	0%	
<b>Total % of Spending</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>0%</b>	<b>100%</b>	<b>0%</b>
<b>Low-Income Participation</b>									
Participant % (% of Total Participants)				0.0%	0.0%	0.0%	0.0%	0.0%	
Budget % (% of Total Utility Costs)				0.0%	0.0%	0.0%	0.0%	0.0%	
<b>Energy Savings</b>									
Annual MCF Saved				15,272	28,749	181	0	32,000	
Cost per Annual MCF Saved	\$0.0000	\$0.0000	\$0.0000	\$8.3134	\$3.8987	\$21.3315	\$0.0000	\$9.7041	\$0.0000
<b>Benefit/Cost Ratios</b>									
Utility Ratio						2.41	0.00	5.53	
Utility NPV						\$5,429	\$0	\$3,865,427	
Ratepayer Ratio						0.61	0.00	0.71	
Ratepayer NPV						(\$6,046)	\$0	(\$1,963,117)	
Participant Ratio						3.81	0.00	2.72	
Participant NPV						\$9,739	\$0	\$4,106,263	
Societal Ratio						2.64	0.00	2.91	
Societal NPV						\$9,177	\$0	\$5,219,975	
<b>Narrative</b>									

Program Name: Foodservice Equipment  
 Program Design Manager: Great Plains Natural Gas  
 Category: Food Service

	2008 Actual	2009 Actual	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Plan	2016 Plan
	Inactive	Inactive	Inactive	Active	Active	Active	Active	Active	Active
<b>Utility Cost Components</b>									
Delivery and Administration (2008-2010)									
Delivery (2011-present)				\$1,223.00	\$1,021.00	\$0.00	\$0.00	\$0.00	
Administration (2011-present)				\$0.00	\$0.00	\$4,902.00	\$0.00	\$1,029.00	
Evaluation, Measurement & Verification				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Advertising & Promotion				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Incentives				\$1,200.00	\$1,500.00	\$4,000.00	\$0.00	\$3,500.00	
Other				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
<b>Total Utility Costs</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$2,423.00</b>	<b>\$2,521.00</b>	<b>\$8,902.00</b>	<b>\$0.00</b>	<b>\$4,529.00</b>	<b>\$0.00</b>
<b>Program Participants</b>									
Total Participants				4	2	3	0	5	
<b>% of Spending by Customer Segments</b>									
Residential				0%	0%	0%	0%	0%	
Commerical				100%	100%	100%	0%	100%	
Industrial				0%	0%	0%	0%	0%	
Farm				0%	0%	0%	0%	0%	
Other				0%	0%	0%	0%	0%	
<b>Total % of Spending</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>0%</b>	<b>100%</b>	<b>0%</b>
<b>Low-Income Participation</b>									
Participant % (% of Total Participants)				0.0%	0.0%	0.0%	0.0%	0.0%	
Budget % (% of Total Utility Costs)				0.0%	0.0%	0.0%	0.0%	0.0%	
<b>Energy Savings</b>									
Annual MCF Saved				553	185	560	0	465	
Cost per Annual MCF Saved	\$0.0000	\$0.0000	\$0.0000	\$4.3816	\$13.6270	\$15.8964	\$0.0000	\$9.7398	\$0.0000
<b>Benefit/Cost Ratios</b>									
Utility Ratio						3.96	0.00	6.76	
Utility NPV						\$26,378	\$0	\$71,709	
Ratepayer Ratio						0.69	0.00	0.74	
Ratepayer NPV						(\$15,862)	\$0	(\$29,042)	
Participant Ratio						4.87	0.00	2.36	
Participant NPV						\$36,748	\$0	\$63,559	
Societal Ratio						3.89	0.00	2.97	
Societal NPV						\$41,529	\$0	\$103,801	

Program Name: Industrial Energy Assessment  
 Program Design Manager: Great Plains Natural Gas  
 Category: Non-Residential Building Energy Audits / Analysis

	2008 Actual	2009 Actual	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Plan	2016 Plan
	Inactive	Inactive	Inactive	Inactive	Inactive	Active	Active	Active	Active
<b>Utility Cost Components</b>									
Delivery and Administration (2008-2010)									
Delivery (2011-present)						\$5,413.00	\$0.00	\$0.00	
Administration (2011-present)						\$6,635.00	\$0.00	\$19,408.00	
Evaluation, Measurement & Verification						\$0.00	\$0.00	\$0.00	
Advertising & Promotion						\$0.00	\$0.00	\$0.00	
Incentives						\$0.00	\$0.00	\$0.00	
Other						\$0.00	\$0.00	\$0.00	
<b>Total Utility Costs</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$12,048.00</b>	<b>\$0.00</b>	<b>\$19,408.00</b>	<b>\$0.00</b>
<b>Program Participants</b>									
Total Participants						3	0	5	
<b>% of Spending by Customer Segments</b>									
Residential						0%	0%	0%	
Commerical						0%	0%	0%	
Industrial						100%	0%	100%	
Farm						0%	0%	0%	
Other						0%	0%	0%	
<b>Total % of Spending</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>100%</b>	<b>0%</b>	<b>100%</b>	<b>0%</b>
<b>Low-Income Participation</b>									
Participant % (% of Total Participants)						0.0%	0.0%	0.0%	
Budget % (% of Total Utility Costs)						0.0%	0.0%	0.0%	
<b>Energy Savings</b>									
Annual MCF Saved						0	0	0	
Cost per Annual MCF Saved	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
<b>Benefit/Cost Ratios</b>									
Utility Ratio						0.00	0.00	0.00	
Utility NPV						\$0	\$0	\$0	
Ratepayer Ratio						0.00	0.00	0.00	
Ratepayer NPV						\$0	\$0	\$0	
Participant Ratio						0.00	0.00	0.00	
Participant NPV						\$0	\$0	\$0	
Societal Ratio						0.00	0.00	0.00	
Societal NPV						\$0	\$0	\$0	
<b>Narrative</b>									



Program Name: Low Flow Showerhead Program  
 Program Design Manager: Great Plains Natural Gas  
 Category: Residential Domestic Hot Water

	2008 Actual	2009 Actual	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Plan	2016 Plan
	Active	Active	Inactive	Inactive	Inactive	Inactive	Active	Inactive	Inactive
<b>Utility Cost Components</b>									
Delivery and Administration (2008-2010)	\$16,168.00	\$6,446.00							
Delivery (2011-present)							\$0.00		
Administration (2011-present)							\$910.00		
Evaluation, Measurement & Verification	\$0.00	\$0.00					\$0.00		
Advertising & Promotion	\$0.00	\$0.00					\$0.00		
Incentives	\$0.00	\$0.00					\$7,887.00		
Other	\$0.00	\$0.00					\$0.00		
<b>Total Utility Costs</b>	<b>\$16,168.00</b>	<b>\$6,446.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$8,797.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Program Participants</b>									
Total Participants	1,538	600					696		
<b>% of Spending by Customer Segments</b>									
Residential	100%	100%					100%		
Commerical	0%	0%					0%		
Industrial	0%	0%					0%		
Farm	0%	0%					0%		
Other	0%	0%					0%		
<b>Total % of Spending</b>	<b>100%</b>	<b>100%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>100%</b>	<b>0%</b>	<b>0%</b>
<b>Low-Income Participation</b>									
Participant % (% of Total Participants)	0.0%	0.0%					7.6%		
Budget % (% of Total Utility Costs)	0.0%	0.0%					7.6%		
<b>Energy Savings</b>									
Annual MCF Saved	3,537	1,380					2,645		
Cost per Annual MCF Saved	\$4.5711	\$4.6710	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$3.3259	\$0.0000	\$0.0000
<b>Benefit/Cost Ratios</b>									
Utility Ratio							18.32		
Utility NPV							\$152,368		
Ratepayer Ratio							0.76		
Ratepayer NPV							(\$50,960)		
Participant Ratio							39.05		
Participant NPV							\$264,797		
Societal Ratio							27.74		
Societal NPV							\$210,477		
<b>Narrative</b>									

Program Name: Low-Income Weatherization  
 Program Design Manager: Great Plains Natural Gas  
 Category: Low Income Weatherization

	2008 Actual	2009 Actual	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Plan	2016 Plan
	Active	Active	Active	Active	Active	Active	Active	Active	Active
<b>Utility Cost Components</b>									
Delivery and Administration (2008-2010)	\$95,584.00	\$90,736.00	\$105,292.00						
Delivery (2011-present)				\$53,308.00	\$18,240.00	\$0.00	\$0.00	\$0.00	
Administration (2011-present)				\$0.00	\$0.00	\$25,518.00	\$19,803.00	\$28,691.00	
Evaluation, Measurement & Verification	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Advertising & Promotion	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$73,925.00	\$50,102.00	\$141,474.00	
Other	\$0.00	\$0.00	\$0.00	\$0.00	\$72,226.00	\$0.00	\$0.00	\$0.00	
<b>Total Utility Costs</b>	<b>\$95,584.00</b>	<b>\$90,736.00</b>	<b>\$105,292.00</b>	<b>\$53,308.00</b>	<b>\$90,466.00</b>	<b>\$99,443.00</b>	<b>\$69,905.00</b>	<b>\$170,165.00</b>	<b>\$0.00</b>
<b>Program Participants</b>									
Total Participants	55	49	55	33	38	44	28	97	
<b>% of Spending by Customer Segments</b>									
Residential	100%	100%	100%	100%	100%	100%	100%	100%	
Commerical	0%	0%	0%	0%	0%	0%	0%	0%	
Industrial	0%	0%	0%	0%	0%	0%	0%	0%	
Farm	0%	0%	0%	0%	0%	0%	0%	0%	
Other	0%	0%	0%	0%	0%	0%	0%	0%	
<b>Total % of Spending</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>0%</b>
<b>Low-Income Participation</b>									
Participant % (% of Total Participants)	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
Budget % (% of Total Utility Costs)	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
<b>Energy Savings</b>									
Annual MCF Saved	1,096	931	1,045	827	1,090	1,073	561	1,649	
Cost per Annual MCF Saved	\$87.2117	\$97.4608	\$100.7579	\$64.4595	\$82.9963	\$92.6775	\$124.6078	\$103.1928	\$0.0000
<b>Benefit/Cost Ratios</b>									
Utility Ratio						0.97	0.78	0.84	
Utility NPV						(\$2,996)	(\$15,572)	(\$75,160)	
Ratepayer Ratio						0.44	0.39	0.41	
Ratepayer NPV						(\$124,675)	(\$84,119)	(\$571,170)	
Participant Ratio						3.63	3.12	2.95	
Participant NPV						\$196,508	\$111,671	\$807,386	
Societal Ratio						1.69	1.37	1.40	
Societal NPV						\$68,667	\$26,931	\$197,839	
<b>Narrative</b>									



Program Name: Programmable Thermostat  
 Program Design Manager: Great Plains Natural Gas  
 Category: Residential Space Heating (non-Heat Pumps)

	2008 Actual	2009 Actual	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Plan	2016 Plan
	Active	Active	Inactive	Inactive	Inactive	Inactive	Active	Inactive	Inactive
<b>Utility Cost Components</b>									
Delivery and Administration (2008-2010)	\$462.00	\$235.00							
Delivery (2011-present)							\$0.00		
Administration (2011-present)							\$757.00		
Evaluation, Measurement & Verification	\$0.00	\$0.00					\$0.00		
Advertising & Promotion	\$0.00	\$0.00					\$0.00		
Incentives	\$2,120.00	\$1,480.00					\$1,900.00		
Other	\$0.00	\$0.00					\$0.00		
<b>Total Utility Costs</b>	<b>\$2,582.00</b>	<b>\$1,715.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$2,657.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Program Participants</b>									
Total Participants	107	74					76		
<b>% of Spending by Customer Segments</b>									
Residential	100%	100%					100%		
Commerical	0%	0%					0%		
Industrial	0%	0%					0%		
Farm	0%	0%					0%		
Other	0%	0%					0%		
<b>Total % of Spending</b>	<b>100%</b>	<b>100%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>100%</b>	<b>0%</b>	<b>0%</b>
<b>Low-Income Participation</b>									
Participant % (% of Total Participants)	4.7%	0.0%					12.0%		
Budget % (% of Total Utility Costs)	4.7%	0.0%					12.0%		
<b>Energy Savings</b>									
Annual MCF Saved	428	296					304		
Cost per Annual MCF Saved	\$6.0327	\$5.7939	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$8.7401	\$0.0000	\$0.0000
<b>Benefit/Cost Ratios</b>									
Utility Ratio							9.47		
Utility NPV							\$22,492		
Ratepayer Ratio							0.73		
Ratepayer NPV							(\$9,236)		
Participant Ratio							10.80		
Participant NPV							\$44,699		
Societal Ratio							9.77		
Societal NPV							\$46,653		
<b>Narrative</b>									

Program Name: Residential Attic Insulation and Bypass Program  
 Program Design Manager: Great Plains Natural Gas  
 Category: Residential Building Envelope

	2008 Actual	2009 Actual	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Plan	2016 Plan
	Inactive	Inactive	Active	Active	Active	Active	Active	Active	Active
<b>Utility Cost Components</b>									
Delivery and Administration (2008-2010)			\$1,726.00						
Delivery (2011-present)				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Administration (2011-present)				\$3,966.00	\$1,192.00	\$523.00	\$359.00	\$2,446.00	
Evaluation, Measurement & Verification			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Advertising & Promotion			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Incentives			\$6,047.00	\$4,746.00	\$1,009.00	\$700.00	\$150.00	\$6,000.00	
Other			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
<b>Total Utility Costs</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$7,773.00</b>	<b>\$8,712.00</b>	<b>\$2,201.00</b>	<b>\$1,223.00</b>	<b>\$509.00</b>	<b>\$8,446.00</b>	<b>\$0.00</b>
<b>Program Participants</b>									
Total Participants			14	11	2	4	1	30	
<b>% of Spending by Customer Segments</b>									
Residential			100%	100%	100%	100%	100%	100%	
Commerical			0%	0%	0%	0%	0%	0%	
Industrial			0%	0%	0%	0%	0%	0%	
Farm			0%	0%	0%	0%	0%	0%	
Other			0%	0%	0%	0%	0%	0%	
<b>Total % of Spending</b>	<b>0%</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>0%</b>
<b>Low-Income Participation</b>									
Participant % (% of Total Participants)			14.3%	0.0%	0.0%	0.0%	100.0%	3.3%	
Budget % (% of Total Utility Costs)			0.3%	0.0%	0.0%	0.0%	100.0%	3.3%	
<b>Energy Savings</b>									
Annual MCF Saved			232	175	35	41	6	372	
Cost per Annual MCF Saved	\$0.0000	\$0.0000	\$33.5043	\$49.7829	\$62.8857	\$29.8293	\$84.8333	\$22.7043	\$0.0000
<b>Benefit/Cost Ratios</b>									
Utility Ratio						3.24	1.18	4.43	
Utility NPV						\$2,737	\$92	\$79,525	
Ratepayer Ratio						0.64	0.47	0.67	
Ratepayer NPV						(\$2,259)	(\$666)	(\$50,062)	
Participant Ratio						2.05	1.05	3.31	
Participant NPV						\$4,743	\$68	\$176,250	
Societal Ratio						1.48	0.69	2.39	
Societal NPV						\$2,403	(\$539)	\$115,884	
<b>Narrative</b>									

Program Name: Residential Energy Assessment  
 Program Design Manager: Great Plains Natural Gas  
 Category: Residential Energy Audits / Analysis

	2008 Actual	2009 Actual	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Plan	2016 Plan
	Active	Active	Inactive	Active	Active	Active	Active	Active	Active
<b>Utility Cost Components</b>									
Delivery and Administration (2008-2010)	\$10,021.00	\$9,058.00	\$0.00						
Delivery (2011-present)				\$0.00	\$0.00	\$7,430.00	\$3,141.00	\$0.00	
Administration (2011-present)				\$6,154.00	\$924.00	\$2,920.00	\$1,102.00	\$22,877.00	
Evaluation, Measurement & Verification	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Advertising & Promotion	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Other	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
<b>Total Utility Costs</b>	<b>\$10,021.00</b>	<b>\$9,058.00</b>	<b>\$0.00</b>	<b>\$6,154.00</b>	<b>\$924.00</b>	<b>\$10,350.00</b>	<b>\$4,243.00</b>	<b>\$22,877.00</b>	<b>\$0.00</b>
<b>Program Participants</b>									
Total Participants	52	49	0	11	2	40	11	65	
<b>% of Spending by Customer Segments</b>									
Residential	100%	100%	100%	100%	100%	100%	100%	100%	
Commerical	0%	0%	0%	0%	0%	0%	0%	0%	
Industrial	0%	0%	0%	0%	0%	0%	0%	0%	
Farm	0%	0%	0%	0%	0%	0%	0%	0%	
Other	0%	0%	0%	0%	0%	0%	0%	0%	
<b>Total % of Spending</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>0%</b>
<b>Low-Income Participation</b>									
Participant % (% of Total Participants)	3.8%	6.1%	0.0%	0.0%	0.0%	0.0%	0.0%	1.5%	
Budget % (% of Total Utility Costs)	3.8%	6.1%	0.0%	0.0%	0.0%	0.0%	0.0%	1.5%	
<b>Energy Savings</b>									
Annual MCF Saved	0	0	0	0	0	0	0	0	
Cost per Annual MCF Saved	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
<b>Benefit/Cost Ratios</b>									
Utility Ratio						0.00	0.00	0.00	
Utility NPV						\$0	\$0	\$0	
Ratepayer Ratio						0.00	0.00	0.00	
Ratepayer NPV						\$0	\$0	\$0	
Participant Ratio						0.00	0.00	0.00	
Participant NPV						\$0	\$0	\$0	
Societal Ratio						0.00	0.00	0.00	
Societal NPV						\$0	\$0	\$0	
<b>Narrative</b>									

Program Name: Residential Pilotless Fireplace  
 Program Design Manager: Great Plains Natural Gas  
 Category: Specialty Residential

	2008 Actual	2009 Actual	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Plan	2016 Plan
	Inactive	Inactive	Inactive	Inactive	Inactive	Active	Active	Active	Active
<b>Utility Cost Components</b>									
Delivery and Administration (2008-2010)									
Delivery (2011-present)						\$0.00	\$0.00	\$0.00	
Administration (2011-present)						\$88.00	\$59.00	\$612.00	
Evaluation, Measurement & Verification						\$0.00	\$0.00	\$0.00	
Advertising & Promotion						\$0.00	\$0.00	\$0.00	
Incentives						\$225.00	\$150.00	\$1,500.00	
Other						\$0.00	\$0.00	\$0.00	
<b>Total Utility Costs</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$313.00</b>	<b>\$209.00</b>	<b>\$2,112.00</b>	<b>\$0.00</b>
<b>Program Participants</b>									
Total Participants						3	2	20	
<b>% of Spending by Customer Segments</b>									
Residential						100%	100%	100%	
Commerical						0%	0%	0%	
Industrial						0%	0%	0%	
Farm						0%	0%	0%	
Other						0%	0%	0%	
<b>Total % of Spending</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>0%</b>
<b>Low-Income Participation</b>									
Participant % (% of Total Participants)						0.0%	0.0%	0.0%	
Budget % (% of Total Utility Costs)						0.0%	0.0%	0.0%	
<b>Energy Savings</b>									
Annual MCF Saved						13	9	88	
Cost per Annual MCF Saved	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$24.0769	\$23.2222	\$24.0000	\$0.0000
<b>Benefit/Cost Ratios</b>									
Utility Ratio						3.27	3.56	3.47	
Utility NPV						\$710	\$536	\$10,559	
Ratepayer Ratio						0.64	0.65	0.65	
Ratepayer NPV						(\$581)	(\$404)	(\$8,149)	
Participant Ratio						3.72	4.02	3.96	
Participant NPV						\$1,573	\$1,166	\$24,870	
Societal Ratio						2.39	2.60	2.55	
Societal NPV						\$925	\$712	\$15,041	
<b>Narrative</b>									

Program Name: Residential Space Heating  
 Program Design Manager: Great Plains Natural Gas  
 Category: Residential Space Heating (non-Heat Pumps)

	2008 Actual	2009 Actual	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Plan	2016 Plan
	Active	Active	Active	Active	Active	Active	Active	Active	Active
<b>Utility Cost Components</b>									
Delivery and Administration (2008-2010)	\$17,138.00	\$6,248.00	\$63,810.00						
Delivery (2011-present)				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Administration (2011-present)				\$42,800.00	\$52,526.00	\$45,911.00	\$40,531.00	\$47,152.00	
Evaluation, Measurement & Verification	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Advertising & Promotion	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Incentives	\$78,700.00	\$39,400.00	\$86,770.00	\$78,880.00	\$77,140.00	\$99,935.00	\$101,650.00	\$115,625.00	
Other	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
<b>Total Utility Costs</b>	<b>\$95,838.00</b>	<b>\$45,648.00</b>	<b>\$150,580.00</b>	<b>\$121,680.00</b>	<b>\$129,666.00</b>	<b>\$145,846.00</b>	<b>\$142,181.00</b>	<b>\$162,777.00</b>	<b>\$0.00</b>
<b>Program Participants</b>									
Total Participants	357	208	677	579	558	533	491	651	
<b>% of Spending by Customer Segments</b>									
Residential	96%	97%	100%	100%	100%	100%	100%	100%	
Commerical	4%	3%	0%	0%	0%	0%	0%	0%	
Industrial	0%	0%	0%	0%	0%	0%	0%	0%	
Farm	0%	0%	0%	0%	0%	0%	0%	0%	
Other	0%	0%	0%	0%	0%	0%	0%	0%	
<b>Total % of Spending</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>0%</b>
<b>Low-Income Participation</b>									
Participant % (% of Total Participants)	6.7%	5.6%	6.2%	5.5%	6.1%	11.4%	13.0%	4.3%	
Budget % (% of Total Utility Costs)	6.7%	5.6%	2.2%	1.9%	2.0%	10.2%	14.6%	4.3%	
<b>Energy Savings</b>									
Annual MCF Saved	4,155	2,503	5,642	4,946	4,856	8,675	9,033	10,019	
Cost per Annual MCF Saved	\$23.0657	\$18.2373	\$26.6891	\$24.6017	\$26.7022	\$16.8122	\$15.7402	\$16.2468	\$0.0000
<b>Benefit/Cost Ratios</b>									
Utility Ratio						4.06	4.74	4.06	
Utility NPV						\$1,367,354	\$531,598	\$1,367,354	
Ratepayer Ratio						0.66	0.68	0.66	
Ratepayer NPV						(\$298,919)	(\$318,452)	(\$921,557)	
Participant Ratio						3.08	3.32	2.85	
Participant NPV						\$752,104	\$909,608	\$2,323,151	
Societal Ratio						2.35	2.60	2.19	
Societal NPV						\$549,633	\$693,129	\$1,657,146	
<b>Narrative</b>									



Program Name: Residential Water Heating  
 Program Design Manager: Great Plains Natural Gas  
 Category: Residential Domestic Hot Water

	2008 Actual	2009 Actual	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Plan	2016 Plan
	Active	Active	Active	Active	Active	Active	Active	Active	Active
<b>Utility Cost Components</b>									
Delivery and Administration (2008-2010)	\$784.00	\$345.00	\$2,394.00						
Delivery (2011-present)				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Administration (2011-present)				\$1,750.00	\$4,154.00	\$1,360.00	\$1,967.00	\$2,436.00	
Evaluation, Measurement & Verification	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Advertising & Promotion	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Incentives	\$3,600.00	\$2,175.00	\$3,075.00	\$6,038.00	\$2,425.00	\$4,808.00	\$10,537.00	\$12,350.00	
Other	\$0.00	\$0.00	\$5,311.00	\$0.00	\$3,677.00	\$0.00	\$0.00	\$0.00	
<b>Total Utility Costs</b>	<b>\$4,384.00</b>	<b>\$2,520.00</b>	<b>\$10,780.00</b>	<b>\$7,788.00</b>	<b>\$10,256.00</b>	<b>\$6,168.00</b>	<b>\$12,504.00</b>	<b>\$14,786.00</b>	<b>\$0.00</b>
<b>Program Participants</b>									
Total Participants	41	19	797	424	523	338	712	836	
<b>% of Spending by Customer Segments</b>									
Residential	100%	100%	100%	100%	100%	100%	100%	100%	
Commerical	0%	0%	0%	0%	0%	0%	0%	0%	
Industrial	0%	0%	0%	0%	0%	0%	0%	0%	
Farm	0%	0%	0%	0%	0%	0%	0%	0%	
Other	0%	0%	0%	0%	0%	0%	0%	0%	
<b>Total % of Spending</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>0%</b>
<b>Low-Income Participation</b>									
Participant % (% of Total Participants)	14.6%	0.0%	0.5%	0.0%	7.5%	4.4%	7.6%	0.4%	
Budget % (% of Total Utility Costs)	14.6%	0.0%	0.0%	0.0%	0.2%	1.6%	8.2%	0.4%	
<b>Energy Savings</b>									
Annual MCF Saved	58	44	3,079	1,642	2,007	1,281	2,703	3,120	
Cost per Annual MCF Saved	\$75.5862	\$57.2727	\$3.5011	\$4.7430	\$5.1101	\$4.8150	\$4.6260	\$4.7391	\$0.0000
<b>Benefit/Cost Ratios</b>									
Utility Ratio						12.17	13.19	13.85	
Utility NPV						\$68,887	\$152,366	\$490,563	
Ratepayer Ratio						0.74	0.75	0.75	
Ratepayer NPV						(\$25,803)	(\$55,636)	(\$176,503)	
Participant Ratio						13.99	21.88	23.13	
Participant NPV						\$118,566	\$267,657	\$911,567	
Societal Ratio						9.71	15.11	16.01	
Societal NPV						\$91,306	\$208,584	\$712,569	
<b>Narrative</b>									

**GREAT PLAINS NATURAL GAS CO.  
CIP RATE TRUE-UP FILING  
DOCKET NO. G004/M-15-**

	Projected Dk 1/	Volumetric Allocation	CCRA Recovery	Proposed CCRA	Current CCRA 2/	Change
Residential	1,462,800	27.2600%	\$1,542	\$0.0011	\$0.0747	(\$0.0736)
Firm General	1,196,500	22.3000%	1,262	0.0011	0.0747	(0.0736)
Interruptible	1,397,500	26.0400%	1,473	0.0011	0.0747	(0.0736)
Transportation	1,309,000	24.4000%	1,380	0.0011	0.0747	(0.0736)
<b>Total</b>	<b>5,365,800</b>	<b>100.0000%</b>	<b>\$5,657</b>			

Rate change for the average customer using 78 Dk per year.

	Dk 3/	CCRC	CCRA	Total	Total CIP Cost
Current Rate	78	\$0.0259	\$0.0747	\$0.1006	7.85
Proposed Rate	78	0.0259	0.0011	0.0270	2.11
Change		0.0000	(0.0736)	(0.0736)	

The average residential customer will pay an annual CIP cost of \$2.11 per year.

- 1/ Projected dk throughput September 2015 through August 2016 pursuant to Docket No. G004/M-12-439. Excludes CIP-exempt customer dk throughput.
- 2/ Authorized in Docket No. G004/M-14-358, effective January 1, 2015.
- 3/ Reflects average normalized 2014 residential dk per customer.

GREAT PLAINS NATURAL GAS CO.  
CCRA FILING AND DEMAND INCENTIVE  
DOCKET NO. G004/M-15-

<u>CIP True-Up</u>	<u>Beginning Balance</u>	<u>Expenses</u>	<u>Carrying Charges</u>	<u>Billed Recovery</u>	<u>Net Activity</u>	<u>Ending Balance</u>
2014 Activity	\$397,382	\$327,380	\$9,732	\$784,249	(\$447,137)	(\$49,755)
2015 Activity						
January - March Actual	(49,755)	\$107,550	(\$109)	\$247,987	(140,546)	
April - August 2015 Estimated		265,004	(265)	110,961	153,778	
	<u>(49,755)</u>	<u>372,554</u>	<u>(374)</u>	<u>358,948</u>	<u>13,232</u>	
Projected Balance September 1, 2015	<u>(\$49,755)</u>	<u>\$372,554</u>	<u>(\$374)</u>	<u>\$358,948</u>	<u>\$13,232</u>	<u>(\$36,523)</u>
DSM Incentive						<u>42,180</u> 1/
Total Balance						<u>\$5,657</u>

1/ Reflects 4.69311 percent of the \$898,771 net benefits achieved in 2014.



**GREAT PLAINS NATURAL GAS CO.  
CIP PROGRAM  
2014**

Month	Beginning Balance	Carrying Charge 1/	Current Month Charges	Billed Recovery			Ending Balance
				CCRC	CCRA	Total	
December 2013							\$397,382
January 2014	\$397,382	\$2,851	\$21,179	\$24,640	\$97,739	\$122,379	299,033
February	299,033	2,146	21,116	21,179	84,065	105,244	217,051
March	217,051	1,558	32,722	19,285	76,591	95,876	155,455
April	155,455	1,116	25,227	14,854	59,077	73,931	107,867
May	107,867	774	9,856	11,386	45,391	56,777	61,720
June	61,720	443	21,548	7,718	30,847	38,565	45,146
July	45,146	330	22,660	5,371	21,455	26,826	41,310
August	41,310	310	12,926	4,267	17,073	21,340	33,206
September	33,206	252	16,805	6,307	25,172	31,479	18,784
October	18,784	148	36,301	10,650	42,432	53,082	2,151
November	2,151	29	26,508	12,449	49,572	62,021	(33,333)
December 2014	(33,333)	(225)	80,532	19,457	77,272	96,729	(49,755)
Total 2014		<u>\$9,732</u>	<u>\$327,380</u>	<u>\$157,563</u>	<u>\$626,686</u>	<u>\$784,249</u>	

1/ Reflects interest at authorized rate of return of 8.960%.

**GREAT PLAINS NATURAL GAS CO.  
CIP PROGRAM  
2015**

Month	Beginning Balance	Carrying Charge 1/	Current Month Charges	Billed Recovery			Ending Balance
				CCRC	CCRA	Total	
December 2014							(\$49,755)
January 2015	(\$49,755)	(\$19)	\$56,582 2/	\$20,214	\$73,864	\$94,078	(87,270)
February	(87,270)	(34)	17,861	18,377	53,059	71,436	(140,879)
March	(140,879)	(56)	33,107	21,234	61,239	82,473	(190,301)
April - est.	(190,301)	(76)	72,505	10,360	29,880	40,240	(158,112)
May - est.	(158,112)	(63)	28,349	5,594	16,135	21,729	(151,555)
June - est.	(151,555)	(61)	61,919	4,095	11,810	15,905	(105,602)
July - est.	(105,602)	(42)	65,109	4,105	11,840	15,945	(56,480)
Aug - est.	(56,480)	(23)	37,122	4,413	12,729	17,142	(36,523)
Total 2015 YTD		<u>(\$374)</u>	<u>\$372,554</u>	<u>\$88,392</u>	<u>\$270,556</u>	<u>\$358,948</u>	

1/ Reflects the authorized interest at the two-year U.S. Treasury Bond rate as of October 29, 2014 of 0.48%, divided over 12 months, per Order No. G004/M-14-358, issued December 17, 2014.

2/ Includes DSM incentive amount of \$24,137 authorized in Docket No. G004/M-14-358.

Authorized Rate of Return	0.480%
Monthly Rate	0.040%

**GREAT PLAINS NATURAL GAS CO.  
PERFORMANCE INCENTIVE MODEL  
2014 Shared Savings Model Calibrated to \$9.00 with a Cap of 1.25 Times Calibration**

**Inputs:**

Average Sales:	5,570,068 1/
1.0% Energy Savings:	55,701
Historic Average Savings:	0.36%
Earning Threshold:	0.10% plus one unit of energy
Earning Threshold in Energy Savings:	5,570
Award zero point:	0.00%
Award zero point in Energy Savings:	0
Steps from zero point to 1.5%	15.0
Size of steps in Energy Savings:	5,570

**Incentive Calibration:**

Average Incentive per unit at 1.5%:	\$9.00
Incentive Cap	\$6.875
Energy savings at 1.5%:	83,551
Targeted incentive at 1.5%:	\$751,959
Multiplier:	0.0132102 Percent of Net Benefits received for every 0.1% of sales saved
Actual Expense	\$327,380
Annual Savings Achieved	19,788
Net Benefits @ Authorized Goal	\$898,771
Number of steps above award zero point	3.55264
Percent of Benefits Awarded	4.69311%
Incentive	\$42,180

Achievement Level	Dk	Percent of Benefits	Estimated Benefits	Correction Factor	Adjusted Benefits	With Cap	
						Award With Cap	Average Incentive per Dk Saved
0.0% of Sales	0	0.00000%	\$0	1.00	0	\$0	\$0.00
0.1% of Sales	5,570	0.00000%	252,990	1.00	252,990	0	0.00
0.2% of Sales	11,140	2.64207%	505,980	1.00	505,980	13,368	1.20
0.3% of Sales	16,710	3.96311%	758,970	1.00	758,970	30,079	1.80
0.4% of Sales	22,280	5.28414%	1,011,959	1.00	1,011,959	53,473	2.40
0.5% of Sales	27,850	6.60518%	1,264,949	1.00	1,264,949	83,552	3.00
0.6% of Sales	33,420	7.92622%	1,517,939	1.00	1,517,939	120,315	3.60
0.7% of Sales	38,990	9.24725%	1,770,929	1.00	1,770,929	163,762	4.20
0.8% of Sales	44,561	10.56829%	2,023,919	1.00	2,023,919	213,894	4.80
0.9% of Sales	50,131	11.88933%	2,276,909	1.00	2,276,909	270,709	5.40
1.0% of Sales	55,701	13.21036%	2,529,899	1.00	2,529,899	334,209	6.00
1.1% of Sales	61,271	14.53140%	2,782,888	1.00	2,782,888	404,393	6.60
1.2% of Sales	66,841	15.85243%	3,035,878	1.00	3,035,878	459,531	6.88
1.3% of Sales	72,411	17.17347%	3,288,868	1.00	3,288,868	497,825	6.88
1.4% of Sales	77,981	18.49451%	3,541,858	1.00	3,541,858	536,119	6.88
1.5% of Sales	83,551	19.81554%	3,794,848	1.00	3,794,848	574,413	6.88
1.6% of Sales	89,121	21.13658%	4,047,838	1.00	4,047,838	612,707	6.88
1.7% of Sales	94,691	22.45761%	4,300,827	1.00	4,300,827	651,002	6.88
1.8% of Sales	100,261	23.77865%	4,553,817	1.00	4,553,817	689,296	6.88
1.9% of Sales	105,831	25.09969%	4,806,807	1.00	4,806,807	727,590	6.88
2.0% of Sales	111,401	26.42072%	5,059,797	1.00	5,059,797	765,884	6.88
2.1% of Sales	116,971	27.74176%	5,312,787	1.00	5,312,787	804,179	6.88
2.2% of Sales	122,541	29.06279%	5,565,777	1.00	5,565,777	842,473	6.88
2.3% of Sales	128,112	30.38383%	5,818,767	1.00	5,818,767	880,767	6.88
2.4% of Sales	133,682	31.70487%	6,071,756	1.00	6,071,756	919,061	6.88
2.5% of Sales	139,252	33.02590%	6,324,746	1.00	6,324,746	957,355	6.88
2.6% of Sales	144,822	34.34694%	6,577,736	1.00	6,577,736	995,650	6.88
2.7% of Sales	150,392	35.66798%	6,830,726	1.00	6,830,726	1,033,944	6.88
2.8% of Sales	155,962	36.98901%	7,083,716	1.00	7,083,716	1,072,238	6.88
2.9% of Sales	161,532	38.31005%	7,336,706	1.00	7,336,706	1,110,532	6.88
3.0% of Sales	167,102	39.63108%	7,589,696	1.00	7,589,696	1,148,827	6.88

1/ Excludes exempt customer dk throughput.