



A Division of Montana-Dakota Utilities Co.

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May 1, 2025

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

Mr. Pete Wyckoff, PhD
Deputy Commissioner
Division of Energy Resources
Minnesota Department of Commerce
85 Seventh Place East, Suite 500
St. Paul, MN 55101-2198

RE: **ECO Tracker and Demand Side Management Incentive**
Docket No. G004/M-25-___

2024 Energy Conservation and Optimization Status Report
Docket No. G004/CIP-23-97

Dear Mr. Seuffert and Mr. Wyckoff:

Great Plains Natural Gas Co. (Great Plains), a Division of Montana-Dakota Utilities Co., herewith electronically files its 2024 Energy Conservation and Optimization (ECO) Status Report for the period of January 1, 2024 through December 31, 2024, its 2024 ECO Tracker filing (CCRA), and the Demand Side Management (DSM) Incentive for the period of January 1, 2024 through December 31, 2024.

The 2024 ECO expenditures were \$678,201 which exceeds the minimum spending requirement of \$225,074 and represents approximately 67 percent of the authorized budget for 2024, as established by Decision of the Deputy Commissioner, Department of Commerce on December 1, 2023. Great Plains' programs provided total annual energy savings of 21,971 dk, which was approximately 38 percent of the authorized level. The total lifetime energy reduction related to the 2024 ECO projects is 263,666 dk. One highlight from the 2024 program year is the new Low Income Portfolio within the Multi-Family Building Efficiency Program, which had dk savings 376% over budget. The Low Income portfolio had the highest percentage of authorized dk savings which resulted in the Company exceeding the spending goal for those programs.

Pursuant to the Commission's Order issued on November 23, 2016, in Docket No. G004/M-16-384, Great Plains has calculated the CCRA based on the existing tracker balance, as well as the projected sales, expenditures, financial incentive, and any pertinent adjustments that may occur over the period the CCRA will be in place.

Carrying charges are calculated at the short-term debt cost authorized in Great Plains' most recent rate case, Docket No. G004/GR-19-511. There was no financial incentive achieved for 2024. Please see Attachment D, page 3 for a summary of the projected ECO tracker activity and ending balance on August 2026.

The ECO Tracker filing reflects a proposed CCRA of \$0.0924 per dk, which is an increase of \$0.0722 per dk from the current CCRA. For a typical residential customer using 77.1 dk per year, this reflects an increase of \$5.57 annually or \$0.46 per month. Great Plains requests that the proposed CCRA be implemented September 1, 2025. Attachment A provides the Conservation Improvement Program Adjustment Clause tariff, 5th Revised Sheet No. 5-111.

Great Plains DSM Financial Incentive did not meet the four considerations required pursuant to Minnesota Statute, Section 216B.16. The energy saved and net benefit derived from Great Plains' 2024 ECO program do not qualify the Company to receive an incentive for the 2024 ECO program year, pursuant to Docket No. E,G-999/CI-08-133, Order Adopting Modifications to Shared Savings Demand-Side Management Financial Incentive Plan.

This filing includes the 2024 ECO Status Report, ECO Tracker filing, and Demand-Side Management Incentive filing with all supporting attachments.

Please refer all inquiries regarding this filing to:

Mr. Travis R. Jacobson
Vice President 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/ Travis R. Jacobson

Travis R. Jacobson
Vice President of Regulatory Affairs

cc: Kristin Stastny

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GREAT PLAINS NATURAL GAS CO. 2024 ENERGY CONSERVATION AND OPTIMIZATION (ECO) STATUS REPORT

Pursuant to Minnesota Statute 7690.0550 and the Minnesota Department of Commerce, Division of Energy Resources (Department) December 1, 2024, Decision on the 2024-2026 ECO Triennial Filing in Docket G004/CIP-23-97, Great Plains submits this status report on its Energy Conservation and Optimization (ECO). This report covers the 2024 ECO year: January 1, 2024 through December 31, 2024.

I. Overall Summary:

The approved 2024 budget for the ECO was \$1,014,719, while Great Plains' actual expenditures for the twelve-month period ending December 31, 2024, were \$678,201, which exceeds the minimum spending requirement of \$225,074. The low-income expenditures of \$212,368 also exceeds the minimum spending requirement of \$143,121 based on the methodology established in the 2013 legislation and revised in the ECO Act of 2021.

Please see Attachment B for a summary of the details of the expenditures, participants, and decatherm (dk) savings for 2024.

Great Plains achieved 66.8 percent of its total expenditure goal and 115.1 percent of its Low-income expenditure goal, as demonstrated below:

	Expenses			Percent of
	Authorized 1/	Actual	Difference	Authorized
<u>Residential Programs</u>				
Space Heating Equipment	\$190,846	\$180,942	(\$9,904)	94.8%
Water Heating Equipment	16,236	11,195	(5,041)	69.0%
Attic Insulation	200	0	(200)	0.0%
Pilotless Fireplace	200	0	(200)	0.0%
Residential Energy Assessment	29,892	4,146	(25,746)	13.9%
Total Residential Programs	<u>\$237,374</u>	<u>\$196,283</u>	<u>(\$41,091)</u>	<u>82.7%</u>
<u>Low Income Programs</u>				
Weatherization	\$45,435	\$65,914	\$20,479	145.1%
Furnace and Boiler Replacement	21,030	7,130	(13,900)	33.9%
Furnace and Boiler Tune-Up	1,051	0	(1,051)	0.0%
Hot Water Heater Temp Set-Back	0	0	0	0.0%
Low Income Multi-Family Building Efficiency	49,333	105,063	55,730	213.0%
Prescriptive-Programmable Thermostats - Tier 2	3,004	0	(3,004)	0.0%
Prescriptive-Programmable Thermostats - Tier 3	5,408	0	(5,408)	0.0%
Prescriptive-Furnace Replacement Tier 2	31,544	17,261	(14,283)	54.7%
Prescriptive-Water Heater Replacement	1,803	0	(1,803)	0.0%
Prescriptive-Water Heater Replacement (Tankless)	4,507	0	(4,507)	0.0%
Total Low Income Programs	<u>\$163,115</u>	<u>\$195,368</u>	<u>\$32,253</u>	<u>119.8%</u>
Pre-Weatherization: Healthy Air Account	<u>\$21,468</u>	<u>\$17,000</u>	<u>(\$4,468)</u>	<u>79.2%</u>
Total Low Income Programs	<u>\$184,583</u>	<u>\$212,368</u>	<u>\$27,785</u>	<u>115.1%</u>
<u>Commercial and Industrial Programs</u>				
Commercial Space Heating Equipment	\$49,057	\$51,480	\$2,423	104.9%
Market Rate Multi-Family Building Efficiency	\$34,207	\$0	(\$34,207)	0.0%
Commercial Water Heating Equipment	1,811	3,060	1,249	169.0%
Commercial Boiler Equipment	5,967	10,305	4,338	172.7%
Commercial Food Service	2,588	10,579	7,991	408.8%
Commercial Custom	465,736	175,043	(290,693)	37.6%
Commercial Building Certification	5,175	0	(5,175)	0.0%
Commercial Energy Assessment	2,459	0	(2,459)	0.0%
Industrial Energy Assessment	7,762	0	(7,762)	0.0%
Total Commercial and Industrial Programs	<u>\$574,762</u>	<u>\$250,467</u>	<u>(\$324,295)</u>	<u>43.6%</u>
Direct Assessment Charges	<u>18,000</u>	<u>19,083</u>	<u>1,083</u>	<u>106.0%</u>
Grand Total of All Programs	<u>\$1,014,719</u>	<u>\$678,201</u>	<u>(\$336,518)</u>	<u>66.8%</u>

1/ 2024-2026 Conservation Improvement Program Triennial Filing approved by the MN DOC on December 1, 2023 in Docket No. G004/CIP-23-97.

One highlight from the 2024 program year is the Low Income Multi-Family Building Efficiency Program. This is a new program that had very high participation and dk savings of 376% over the authorized amount.

Great Plains achieved 37.6 percent of its 2024 authorized dk savings target.

	Dk Savings		Percent of	
	Authorized 1/	Actual	Difference	Authorized
<u>Residential Programs</u>				
Space Heating Equipment	4,340	3,603	(737)	83.0%
Water Heating Equipment	419	248	(171)	59.2%
Attic Insulation	7	0	(7)	0.0%
Pilotless Fireplace	9	0	(9)	0.0%
Residential Energy Assessment	0	0	0	0.0%
Total Residential Programs	<u>4,775</u>	<u>3,851</u>	<u>(924)</u>	<u>80.6%</u>
<u>Low Income Programs</u>				
Weatherization	222	151	(71)	68.0%
Furnace and Boiler Replacement	95	51	(44)	53.7%
Furnace and Boiler Tune-Up	12	0	(12)	0.0%
Hot Water Heater Temp Set-Back	9	3	(6)	33.3%
Low Income Multi-Family Building Efficiency	600	2,255	1,655	375.9%
Prescriptive-Programmable Thermostats - Tier 2	93	0	(93)	0.0%
Prescriptive-Programmable Thermostats - Tier 3	183	0	(183)	0.0%
Prescriptive-Furnace Replacement Tier 2	147	83	(64)	56.5%
Prescriptive-Water Heater Replacement	9	0	(9)	0.0%
Prescriptive-Water Heater Replacement (Tankless)	5	0	(5)	0.0%
Total Low Income Programs	<u>1,375</u>	<u>2,543</u>	<u>1,168</u>	<u>185.0%</u>
Pre-Weatherization: Healthy Air Account				
Total Low Income Programs	<u>1,375</u>	<u>2,543</u>	<u>1,168</u>	<u>185.0%</u>
<u>Commercial and Industrial Programs</u>				
Commercial Space Heating Equipment	2,751	2,190	(561)	79.6%
Market Rate Multi-Family Building Efficiency	400	0	(400)	0.0%
Commercial Water Heating Equipment	9	740	731	8,222.2%
Commercial Boiler Equipment	848	1,404	556	165.6%
Commercial Food Service	262	490	228	187.0%
Commercial Custom	48,000	10,754	(37,246)	22.4%
Commercial Building Certification	0	0	0	0.0%
Commercial Energy Assessment	0	0	0	0.0%
Industrial Energy Assessment	0	0	0	0.0%
Total Commercial and Industrial Programs	<u>52,270</u>	<u>15,578</u>	<u>(36,692)</u>	<u>29.8%</u>
Direct Assessment Charges				
Grand Total of All Programs	<u>58,420</u>	<u>21,972</u>	<u>(36,448)</u>	<u>37.6%</u>

1/ 2024-2026 Conservation Improvement Program Triennial Filing approved by the MN DOC on December 1, 2023 in Docket No. G004/CIP-23-97.

The overall dk savings achieved was 21,972 dk, which is less than the authorized goal of 58,420 dk for the year. The shortfall in actual dk savings from the authorized 2024 portfolio savings is attributable to the minimal participation in the Commercial Custom Program. Excluding these line items, 2024 dk savings were approximately 108 percent of the authorized dk savings.

In summary:

- The Commercial and Industrial Programs had a decrease in savings of 62,709 dk compared to last year. The majority of this came from the Commercial Custom Projects which had a decrease of 39,190 dk compared to last year and Commercial Boiler Equipment which had a decrease of 24,194 dk compared to last year.
- The total portfolio cost per dk increased from \$10.24 in 2023 to \$30.87 in 2024.

Although Great Plains did not meet the Company's goal for Commercial Custom Projects, the Company worked with several customers in 2024, through its partnership with Frontier Energy, which may result in future projects. Great Plains plans to build upon its program successes in the Low-Income Programs, and to continue marketing its programs through its website, targeted online advertising, bill inserts, and other marketing media as appropriate. Great Plains' Energy Service Representative will continue to work directly with the local contractor network on program awareness and education and will continue to seek opportunities to engage customer involvement in the Commercial Custom Program. Great Plains continues to work with Frontier Energy to work directly with commercial customers in the Company's service territory in order to increase engagement in the Commercial Custom Program as well as the Low-Income and Market Rate Multi-Family Building Efficiency programs.

The cost per dk for the total portfolio is \$30.87 per dk or \$13.50 per dk above the authorized level, as shown in the table below. The primary driver for the cost per dk increase is the Commercial Custom Program. The total cost per dk shown below for Residential and Commercial and Industrial Programs were higher than authorized and Low-Income Programs were lower than authorized, this resulted in an overall higher than authorized cost per dk saved for total programs.

The authorized and actual cost per dk saved are:

	Cost per Dk Saved			% of
	Authorized 1/	Actual	Difference	Authorized
<u>Residential Programs</u>				
Space Heating Equipment	\$43.97	\$50.22	\$6.25	114.21%
Water Heating Equipment	38.75	45.14	6.39	116.49%
Attic Insulation and Bypass	28.57	0.00	(28.57)	0.00%
Pilotless Fireplace	22.22	0.00	(22.22)	0.00%
Residential Energy Assessment	0.00	0.00	0.00	0.00%
Total Residential Programs	49.71	50.97	1.26	102.53%
<u>Low Income Programs</u>				
Weatherization	204.66	419.83	215.17	205.14%
Furnace and Boiler Replacement	221.37	162.05	(59.32)	73.20%
Furnace and Boiler Tune-Up	87.58	0.00	(87.58)	0.00%
Hot Water Heater Temp Set-Back	0.00	0.00	0.00	0.00%
Low Income Multi-Family Building Efficiency	82.22	46.59	(35.63)	56.67%
Prescriptive-Programmable Thermostats - Tier 2	32.30	0.00	(32.30)	0.00%
Prescriptive-Programmable Thermostats - Tier 3	29.55	0.00	(29.55)	0.00%
Prescriptive-Furnace Replacement Tier 2	214.59	207.96	(6.63)	96.91%
Prescriptive-Water Heater Replacement	200.33	0.00	(200.33)	0.00%
Prescriptive-Water Heater Replacement (Tankless)	901.40	0.00	(901.40)	0.00%
Total Low Income Programs	118.63	76.85	(41.78)	64.78%
<u>Commercial and Industrial Programs</u>				
Space Heating Equipment	\$17.83	\$23.51	\$5.68	131.86%
Market Rate Multi-Family Building Efficiency	85.52	0.00	(85.52)	0.00%
Water Heating Equipment	201.22	4.14	(197.08)	2.06%
Commercial Boiler Equipment	7.04	7.34	0.30	104.26%
Commercial Food Service	9.88	21.59	11.71	218.52%
Commercial Custom	9.70	16.28	6.58	167.84%
Commercial Building Certification	0.00	0.00	0.00	0.00%
Commercial Energy Assessment	0.00	0.00	0.00	0.00%
Industrial Energy Assessment	0.00	0.00	0.00	0.00%
Total Commercial and Industrial Programs	\$11.00	\$16.08	\$5.08	146.18%
Total Programs 2/	\$17.37	\$30.87	\$13.50	177.72%

1/ 2024-2026 Conservation Improvement Program Triennial Filing approved by the MN DOC on December 1, 2023 in Docket No. G004/CIP-23-97.

2/ Includes direct assessment charges.

Each portfolio that had participation was cost effective with a Utility Cost Test ratio of 1.00 or greater, except for the Low-Income portfolio. The results of the cost/benefit analysis are shown below:

	MN	RIM	Utility	Societal	Participant
Residential					
Space Heating Equipment	2.76	0.38	1.09	1.23	1.48
Water Heating Equipment	2.45	0.40	1.31	0.86	1.33
Attic Insulation and Bypass 1/	---	---	---	---	---
Pilotless Fireplace 1/	---	---	---	---	---
Residential Energy Assessment	0.00	0.00	0.00	0.00	1.06
Total Residential Portfolio	2.90	0.39	1.16	1.29	1.56
Low Income					
Weatherization	0.41	0.15	0.20	0.53	2.27
Furnace Replacement	1.54	0.30	0.63	1.27	2.21
Furnace/Boiler Tune-Up 1/	---	---	---	---	---
Hot Water Heater Temp Set-back	0.00	0.58	0.00	0.00	0.00
LI Multi-Family Building Efficiency	2.19	0.39	1.18	2.51	4.83
Prescriptive-Programmable Thermostats – Tier 2 1/	---	---	---	---	---
Prescriptive-Programmable Thermostats – Tier 3 1/	---	---	---	---	---
Prescriptive-Furnace Replacement Tier 2	0.68	0.17	0.24	1.52	5.63
Prescriptive-Water Heater Replacement 1/	---	---	---	---	---
Prescriptive-Water Heater Replacement (Tankless) 1/	---	---	---	---	---
Total Low Income Portfolio	1.57	0.34	0.81	1.90	4.41
Commercial and Industrial					
Space Heating Equipment	7.57	0.53	3.77	4.65	5.48
MR Multi-Family Building Efficiency 1/	---	---	---	---	---
Water Heating Equipment	43.01	0.59	21.44	20.00	20.26
Commercial Boiler Equipment	5.09	0.50	2.90	1.14	1.31
Foodservice Equipment	4.27	0.47	2.12	2.66	3.37
Custom Program	6.24	0.31	2.53	1.80	2.52
Building Certification Program 1/	---	---	---	---	---
Commercial Energy Assessment 1/	---	---	---	---	---
Industrial Energy Assessment 1/	---	---	---	---	---
Total Commercial & Industrial Portfolio	6.52	0.31	2.72	2.15	3.70
Total Portfolio	3.15	0.30	1.29	1.51	2.23

1/ No participants.

The BENCOST Summary for Great Plains' overall ECO program for 2024, as well as the summary for each program is provided as Attachment C.

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

Program Modifications

Great Plains implemented a new rebate structure for the Company's Custom Project program in 2025. The Company worked with Staff and confirmed that the change to the rebate structure did not meet the parameters of a formal plan modification, and that a Courtesy Notification was sufficient. Great Plains has not submitted any other modification to its 2024-2026 Triennial Plan.

II. Status Report by Project:

Residential Programs

1. Residential Space Heating Program

Great Plains offers a three-tiered rebate plan (\$15, \$50, or \$75 depending on features) for installation of programmable thermostats, 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 or boiler tune-up. The program is available to residential customers.

The Space Heating Program overall achieved 77.5 percent of the participant goal and achieved 83.0 percent of its energy savings goal.

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 96 percent of participants with 4 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 94 percent of participants, duplexes represented 1 percent, town house and condos 4 percent and all other 1 percent of participants.

2. Water Heating Equipment Upgrade Incentive Program

Great Plains provides a \$100 rebate for the installation of an ENERGY STAR rated natural gas water heater, and a \$250 rebate for an ENERGY STAR rated 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 59.2 percent of authorized dk savings with 69.0 percent of authorized expenditures and 39.4 percent of authorized participation levels in 2024.

3. Residential Attic Insulation

The Residential Attic Insulation Program provides a cash rebate up to 50% of the project's costs, with a maximum of a \$150 rebate to customers for the installation of attic insulation. A Residential Energy Assessment is required prior to being eligible for this program.

Great Plains had no participants in this program in 2024.

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.

Great Plains had no participants in this program in 2024.

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 \$10 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 2024 compared to 2023. Participation was 11.1 percent of authorized and expenditures were 13.9 percent of authorized.

6. Low Income Programs

Great Plains offers conservation measures to low-income customers through six programs. The first program is the funding of weatherization measures through Community Action Partnership (CAP) agencies. The weatherization program provides a maximum funding of \$1,800 per qualified customer. If the customer qualifies for the Federal Weatherization Assistance Program, The CAP agency can utilize the funding they receive from Great Plains. The second program provides funding for an emergency replacement of a furnace or boiler. The maximum funding available to the CAP agency per emergency is \$3,500 for a furnace replacement and \$5,000 for a boiler replacement. The third program provides funding for furnace and boiler tune-ups for qualified low-income customers. The maximum funding available to the CAP agency per furnace or boiler tune-up is \$200. The fourth program is the Hot Water Temp Set Back Program. There is no cash incentive associated with this program as Great Plains believes the participants will see immediate energy and cost savings. The fifth program provides funding for a Multi-Family Building Efficiency program that targets property owners of income qualified multi-family buildings, including 2 units or more and is available to new construction and existing property units. The program will provide a building assessment (in person, remote, or virtual) to help the property owner to better understand the buildings energy use and provide direct install of several low-cost improvements. Customers participating in this program will be offered rebates at 2 times the existing prescriptive rate of the current Great Plains ECO programs. The sixth program is the Prescriptive Space Heating and Water Heating Program. This program offers bonus rebate offers above the market rate prescriptive rebates for Tier 2 and 3 thermostats, Tier 2 furnace replacements, and both residential rated

storage and tankless water heaters. The bonus incentive will be available to customers who meet the newly defined Minnesota criteria of low-income qualified and 1-to-4-unit building property owners who can demonstrate the housing will be serving low-income residents or that the property is occupied by a low-income renter.

Great Plains also funds a Pre-Weatherization – Healthy Air Account, in which the Company will contribute 15% of the low-income spending goal for pre-weatherization.

Great Plains has partnered with Frontier Energy to provide a turn-key Multi-Family Building Efficiency Program.

Great Plains had 26 more participants in its Low-Income Program in 2024 compared to 2023. The partnership with Frontier Energy provided 15 participants in the Low-Income Multi-Family Building Efficiency Program in 2024.

Low-Income Portfolio participation was 35.2 percent of authorized and dk savings were 185.0 percent of authorized. All Low-Income Programs except for the Low-Income Multi-Family Building Efficiency Program and the Prescriptive Space Heating and Water Heating Program work with the CAP agencies and report their energy savings in Attachment B, page 8.

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. The program also includes a rebate of \$250 for low-intensity tube-type infrared heaters and \$300 for 88 percent or greater condensing unit heaters.

Overall, the participation was 47.6 percent of authorized with dk savings at 79.6 percent of authorized.

8. Commercial and Industrial Water Heating Equipment Program

The Commercial and Industrial 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 ENERGY STAR rated storage type (less than or equal to 75,000 btu/hour) water heater and a rebate based on the installed BTUH size of the water heater for ENERGY STAR rated Condensing Efficiency water heaters valued at \$140/kBtuh input.

The Commercial and Industrial Water Heating Equipment Program had 4 participants in 2024. Participation was 57.1 percent of authorized, with a corresponding dk savings of 8,222.2 percent of authorized. The Water Heater Storage Condensing Program contributed to all of the dk savings of 740.

9. Commercial and Industrial Boiler Equipment Program

The Commercial and Industrial 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 as shown below.

Equipment Type	Efficiency Requirement	Rebate Amount
Boiler O2 Control	All kBTuh levels	\$3,000
Modulating Burners	< 2,500 kBTuh	\$1,250
Modulating Burners	≥ 2,500 kBTuh	\$2,500
Boiler Stack Dampers	All kBTuh levels	\$500
Boiler Turbulators	All kBTuh levels	\$500
Boiler Outdoor Air Resets	All kBTuh levels	\$300
Boiler Cut-Out Controls	All kBTuh levels	\$100
Boiler Tune-Ups	< 2,500 kBTuh	\$200
Boiler Tune-Ups	≥ 2,500 kBTuh	\$300
Steam Traps	Steam Trap Survey Required	50% of Equipment Cost

The Commercial and Industrial Boiler Equipment Program had 10 participants in 2024. Participation was 28.6 percent of authorized, with a corresponding dk savings of 165.6 percent of authorized.

10. Commercial Food Service Equipment Program

The Foodservice Equipment 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: deck oven, pizza deck oven, standard oven, range, standard char-broiler, standard salamander broiler, open flame rotisserie oven, and standard griddle. The second tier provides a \$1,000 rebate for the following equipment types: combined oven steamer, standard radiant broiler, rotating deck oven, and standard steamer.

The Commercial Food Service Program had 7 participants in 2024. Participation was 233.3 percent of authorized, with a corresponding dk savings of 187.0 percent of authorized.

11. Commercial and Industrial Custom Program

The Commercial and Industrial 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, 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 has been working with Frontier Energy to increase participation in the Company's Custom Project Program. These efforts may result in several large projects in the future. To accommodate these projects and manage the budget for this program, Great Plains implemented a new rebate structure for the Company's Custom Project program in 2025, which was communicated to Staff via an email Courtesy Notification. With this tiered approach in calculating custom project rebates, it will limit an individual's rebate to no more than 1/3 of the authorized budget for the program. The tiered rebate calculation is as follows:

First 5,000 dk - \$10/dk

Next 10,000 dk - \$5/dk

Over 15,000 dk - \$3/dk

There were 5 Commercial and Industrial Custom Program participants in 2024. The program achieved energy savings of 10,754 dk, or 22.4 percent of the authorized savings level. The cost per dk for the program came in above the authorized cost of \$9.70 dk with an actual cost per dk of \$16.28.

A brief summary of the Industrial Agriculture Custom projects are as follows:

- Installed an energy recovery ventilation system and a heat recovery water heater.
- Replaced pulp press spindles reducing moisture in pulp requiring less natural gas for drying.
- Installed an energy recovery ventilator capturing conditioned air saving heat and humidity.
- Installed an energy recovery ventilator reducing overall heating load.
- Installed an energy recovery ventilator reducing overall heating load.

12. 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, or Sustainable Buildings 2030.

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.

Sustainable Buildings (SB2030)

Great Plains will rebate 100 percent of the first \$5,000 and 50 percent of additional costs for professional engineering services with a maximum payout of \$10,000 for commercial and industrial buildings that meet the SB2030 requirements.

Great Plains did not have any participation in the Building Certification Program in 2024.

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 did not have any participation in the Commercial Energy Assessment Program in 2024.

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 2024.

15. ECO Assessment Charges

The ECO 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' ECO 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 2024, ECO assessments amounted to \$19,083 which is above the \$18,000 authorized.

16. Employee Expenses

Pursuant to Minnesota Statutes 2008, Section 216B.16, Great Plains recorded employee expenses for travel in 2024. Great Plains did not exceed the 0.5 percent total annual ECO expense limit during 2024.

	Employee Expense
Vehicles	\$496
Commercial Air	0
Personal Vehicle Use	0
Meals	0
Other Reimbursable Expenses	105
Total	\$601

**GREAT PLAINS NATURAL GAS CO.
ENERGY CONSERVATION AND OPTIMIZATION
TRACKER REPORT**

III: Energy Conservation and Optimization Tracker:

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 Energy Conservation and Optimization (ECO) and the calculation of a proposed Conservation Improvement Resource Adjustment (CCRA) proposed to be effective September 1, 2025.

Attachment D, page 1, is the calculation of the proposed CCRA using estimated volumes excluding ECO-exempt customer volumes, as authorized in Docket Nos. G004/M-12-439 and G004/CIP-19-606. The proposed CCRA is \$0.0924 per dk for all non-ECO Exempt customers, an increase of \$0.0722 from the current CCRA (established in Docket No. G004/M-24-44). For a typical residential customer using 77.1 dk per year, this reflects an increase of \$5.57 annually or \$0.46 per month.

The ECO True-up, as shown on Attachment D, page 2, includes the balance in the ECO account as of December 31, 2024, as well as the projected sales, expenditures, and any pertinent adjustments that may occur over the period the CCRA will be in place. Carrying charges are calculated at the short-term debt cost authorized in Great Plains' filed rate case, Docket No. G004/GR-19-511, as appropriate.

The detailed activity by month is shown in Attachment D pages 3 and 4.

Attachment A is the CCRA tariff sheet (Sheet No. 5-111) with the proposed rate per dk.

**2024 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 E shows the calculation of the DSM Incentive for 2024 based on the results of the 2024 ECO program. As shown in Attachment B, Great Plains total energy savings in 2024 were 21,972 dk, which results in an achievement level of 0.38%. This level of achievement is below the minimum level required to receive a financial incentive, which is an achievement level greater than 0.70%, or energy savings greater than 40,734 dk. Therefore, Great Plains' 2024 ECO results do not qualify for a DSM incentive. Great Plains currently has a Carry Forward Savings of 0.41% from 2023; however, the Company will not use the Carry Forward Savings in 2024 and will keep the option for a future year up until 2026 when it expires.

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 ECO 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' ECO Program is not cost-effective, there are no net benefits, and, thus, no incentive. As an ECO 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



GREAT PLAINS NATURAL GAS CO.

A Division of Montana-Dakota Utilities Co.

State of Minnesota Gas Rate Schedule – MNPUC Volume 3

Section No. 5

5th Revised Sheet No. 5-111

Canceling 4th Revised Sheet No. 5-111

CONSERVATION IMPROVEMENT PROGRAM ADJUSTMENT CLAUSE

charge authorized in Docket No. G004/GR-19-511. 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
\$0.0818	\$0.0924

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 1st 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, 2025

Effective Date:

Issued By: Travis R. Jacobson
Vice President – Regulatory Affairs

Docket No.:

Tariff Reflecting Proposed Changes



GREAT PLAINS NATURAL GAS CO.

A Division of Montana-Dakota Utilities Co.

State of Minnesota Gas Rate Schedule – MNPUC Volume 3

Section No. 5

~~54th~~ Revised Sheet No. 5-111

Canceling ~~4th~~^{3rd} Revised Sheet No. 5-111

CONSERVATION IMPROVEMENT PROGRAM ADJUSTMENT CLAUSE

charge authorized in Docket No. G004/GR-19-511. 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
\$0.0818	\$0.0202 <u>0.0924</u>

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 1st 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, 2024 <u>2025</u>	Effective Date:	Service rendered on and after December 1, 2024
Issued By:	Travis R. Jacobson Vice President <u>Director</u> – Regulatory Affairs	Docket No.:	G004/M-24-44

**GREAT PLAINS NATURAL GAS CO.
GAS UTILITY - MINNESOTA
ENERGY CONSERVATION AND OPTIMIZATION STATUS REPORT
SUMMARY OF PROGRAM RESULTS
2024**

	Expenses			Percent of Authorized	Participants			Percent of Authorized	Dk Savings			Percent of Authorized
	Authorized 1/	Actual	Difference		Authorized 1/	Actual	Difference		Authorized 1/	Actual	Difference	
Residential Programs												
Space Heating Equipment	\$190,846	\$180,942	(\$9,904)	94.8%	770	597	(173)	77.5%	4,340	3,603	(737)	83.0%
Water Heating Equipment	16,236	11,195	(5,041)	69.0%	340	134	(206)	39.4%	419	248	(171)	59.2%
Attic Insulation	200	0	(200)	0.0%	1	0	(1)	0.0%	7	0	(7)	0.0%
Pilotless Fireplace	200	0	(200)	0.0%	2	0	(2)	0.0%	9	0	(9)	0.0%
Residential Energy Assessment	29,892	4,146	(25,746)	13.9%	45	5	(40)	11.1%	0	0	0	0.0%
Total Residential Programs	\$237,374	\$196,283	(\$41,091)	82.7%	1,158	736	(422)	63.6%	4,775	3,851	(924)	80.6%
Low Income Programs												
Weatherization	\$45,435	\$61,208	\$15,773	134.7%	16	15	(1)	93.8%	222	151	(71)	68.0%
Furnace and Boiler Replacement	21,030	11,836	(9,194)	56.3%	5	2	(3)	40.0%	95	51	(44)	53.7%
Furnace and Boiler Tune-Up	1,051	0	(1,051)	0.0%	5	0	(5)	0.0%	12	0	(12)	0.0%
Hot Water Heater Temp Set-Back	0	0	0	0.0%	10	3	(7)	30.0%	9	3	(6)	33.3%
Low Income Multi-Family Building Efficiency	49,333	105,063	55,730	213.0%	6	15	9	250.0%	600	2,255	1,655	375.9%
Prescriptive-Programmable Thermostats - Tier 2	3,004	0	(3,004)	0.0%	25	0	(25)	0.0%	93	0	(93)	0.0%
Prescriptive-Programmable Thermostats - Tier 3	5,408	0	(5,408)	0.0%	30	0	(30)	0.0%	183	0	(183)	0.0%
Prescriptive-Furnace Replacement Tier 2	31,544	17,261	(14,283)	54.7%	15	8	(7)	53.3%	147	83	(64)	56.5%
Prescriptive-Water Heater Replacement	1,803	0	(1,803)	0.0%	5	0	(5)	0.0%	9	0	(9)	0.0%
Prescriptive-Water Heater Replacement (Tankless)	4,507	0	(4,507)	0.0%	5	0	(5)	0.0%	5	0	(5)	0.0%
Total Low Income Programs	\$163,115	\$195,368	\$32,253	119.8%	122	43	(79)	35.2%	1,375	2,543	1,168	185.0%
Pre-Weatherization: Healthy Air Account	\$21,468	\$17,000	(\$4,468)	79.2%								
Total Low Income Programs	\$184,583	\$212,368	\$27,785	115.1%	122	43	(79)	35.2%	1,375	2,543	1,168	185.0%
Commercial and Industrial Programs												
Commercial Space Heating Equipment	\$49,057	\$51,480	\$2,423	104.9%	63	30	(33)	47.6%	2,751	2,190	(561)	79.6%
Market Rate Multi-Family Building Efficiency	\$34,207	\$0	(\$34,207)	0.0%	4	0	(4)	0.0%	400	0	(400)	0.0%
Commercial Water Heating Equipment	1,811	3,060	1,249	169.0%	7	4	(3)	57.1%	9	740	731	8,222.2%
Commercial Boiler Equipment	5,967	10,305	4,338	172.7%	35	10	(25)	28.6%	848	1,404	556	165.6%
Commercial Food Service	2,588	10,579	7,991	408.8%	3	7	4	233.3%	262	490	228	187.0%
Commercial Custom	465,736	175,043	(290,693)	37.6%	12	5	(7)	41.7%	48,000	10,754	(37,246)	22.4%
Commercial Building Certification	5,175	0	(5,175)	0.0%	1	0	(1)	0.0%	0	0	0	0.0%
Commercial Energy Assessment	2,459	0	(2,459)	0.0%	2	0	(2)	0.0%	0	0	0	0.0%
Industrial Energy Assessment	7,762	0	(7,762)	0.0%	2	0	(2)	0.0%	0	0	0	0.0%
Total Commercial and Industrial Programs	\$574,762	\$250,467	(\$324,295)	43.6%	129	56	(73)	43.4%	52,270	15,578	(36,692)	29.8%
Direct Assessment Charges	18,000	19,083	1,083	106.0%								
Grand Total of All Programs	\$1,014,719	\$678,201	(\$336,518)	66.8%	1,409	835	(574)	59.3%	58,420	21,972	(36,448)	37.6%

1/ 2024-2026 Conservation Improvement Program Triennial Filing approved by the MN DOC on December 1, 2023 in Docket No. G004/CIP-23-97.

**GREAT PLAINS NATURAL GAS CO.
GAS UTILITY - MINNESOTA
ENERGY CONSERVATION AND OPTIMIZATION STATUS REPORT
LOW INCOME AND RENTER PARTICIPANTS
SUMMARY OF PROGRAM RESULTS
2024**

	Expenses			Percent of	Participants			Percent of	Dk Savings			Percent of
	Authorized 1/	Actual	Difference	Authorized	Authorized 1/	Actual	Difference	Authorized	Authorized 1/	Actual	Difference	Authorized
<u>Low Income Participants</u>												
<u>Residential Programs</u>												
Space Heating Equipment 2/	\$9,733	\$8,323	(\$1,410)	85.5%	39	30	(9)	76.9%	220	138	(82)	62.7%
Water Heating Equipment 3/	97	146	49	150.5%	2	1	(1)	50.0%	2	2	0	100.0%
Attic Insulation	0	0	0	0.0%	0	0	0	0.0%	0	0	0	0.0%
Pilotless Fireplace	0	0	0	0.0%	0	0	0	0.0%	0	0	0	0.0%
Residential Energy Assessment	2,660	1,828	(832)	68.7%	4	2	(2)	50.0%	0	0	0	0.0%
Total Residential Programs	<u>\$12,490</u>	<u>\$10,297</u>	<u>(\$2,193)</u>	<u>82.4%</u>	<u>45</u>	<u>33</u>	<u>(12)</u>	<u>73.3%</u>	<u>222</u>	<u>140</u>	<u>(82)</u>	<u>63.1%</u>
Low Income Programs	\$163,115	\$195,368	\$32,253	119.8%	122	43	(79)	35.2%	1,375	2,543	1,168	185.0%
Grand Total of Low Income Programs	<u>\$175,605</u>	<u>\$205,665</u>	<u>\$30,060</u>	<u>117.1%</u>	<u>167</u>	<u>76</u>	<u>(91)</u>	<u>45.5%</u>	<u>1,597</u>	<u>2,683</u>	<u>1,086</u>	<u>168.0%</u>
<u>Renter Participants</u>												
<u>Residential Programs</u>												
Space Heating Equipment 2/	\$11,069	\$14,837	\$3,768	134.0%	45	35	(10)	77.8%	254	242	(12)	95.3%
Water Heating Equipment 3/	763	448	(315)	58.7%	16	4	(12)	25.0%	20	8	(12)	40.0%
Attic Insulation	0	0	0	0.0%	0	0	0	0.0%	0	0	0	0.0%
Pilotless Fireplace	0	0	0	0.0%	0	0	0	0.0%	0	0	0	0.0%
Residential Energy Assessment	658	0	(658)	0.0%	1	0	(1)	0.0%	0	0	0	0.0%
Total Residential Programs	<u>\$12,490</u>	<u>\$15,285</u>	<u>\$2,795</u>	<u>122.4%</u>	<u>62</u>	<u>39</u>	<u>(23)</u>	<u>62.9%</u>	<u>274</u>	<u>250</u>	<u>(24)</u>	<u>91.2%</u>
Total of Renter Programs	<u>\$12,490</u>	<u>\$15,285</u>	<u>\$2,795</u>	<u>122.4%</u>	<u>62</u>	<u>39</u>	<u>(23)</u>	<u>62.9%</u>	<u>274</u>	<u>250</u>	<u>(24)</u>	<u>91.2%</u>

1/ 2024-2026 Conservation Improvement Program Triennial Filing approved by the MN DOC

2/ Includes rental property from Programmable Thermostat, Furnance, Furnance and Boiler Tune-Up, and Boiler Programs.

3/ Includes rental property from the Water Heating Equipment and Low Flow Showerhead Programs.

**GREAT PLAINS NATURAL GAS CO.
GAS UTILITY - MINNESOTA
ENERGY CONSERVATION AND OPTIMIZATION STATUS REPORT
PROGRAM RESULTS
2024**

	Expenses			Percent of	Participants			Percent of	Dk Savings			Percent of
	Authorized 1/	Actual	Difference	Authorized	Authorized 1/	Actual	Difference	Authorized	Authorized 1/	Actual	Difference	Authorized
Residential Programs												
<u>Residential Space Heating Equipment</u>												
Programmable Thermostats Tier 1	\$1,196	\$643	(\$553)	53.8%	60	28	(32)	46.7%	150	70	(80)	46.7%
Programmable Thermostats Tier 2	2,658	1,455	(1,203)	54.7%	40	19	(21)	47.5%	148	70	(78)	47.3%
Programmable Thermostats Tier 3	10,960	9,987	(973)	91.1%	110	87	(23)	79.1%	671	653	(18)	97.3%
Furnace Tier 1 - 94-95% AFUE - New	1,993	459	(1,534)	23.0%	5	1	(4)	20.0%	42	1	(41)	2.4%
Furnace Tier 1 - 94-95% AFUE - Replacement	23,914	17,908	(6,006)	74.9%	60	39	(21)	65.0%	504	347	(157)	68.8%
Furnace Tier 2 - 96%+ AFUE - New	5,314	1,837	(3,477)	34.6%	10	3	(7)	30.0%	98	6	(92)	6.1%
Furnace Tier 2 - 96%+ AFUE - Replacement	106,283	112,655	6,372	106.0%	200	184	(16)	92.0%	1,960	1,814	(146)	92.6%
Furnace and Boiler Tune-Up	16,607	15,947	(660)	96.0%	250	209	(41)	83.6%	575	252	(323)	43.8%
Boiler Tier 1 - 84-90.9% AFUE	1,993	918	(1,075)	46.1%	5	2	(3)	40.0%	6	5	(1)	83.3%
Boiler Tier 2 - 91%+ AFUE	19,928	19,133	(795)	96.0%	30	25	(5)	83.3%	186	385	199	207.0%
Total Residential Space Heating Equipment	<u>\$190,846</u>	<u>\$180,942</u>	<u>(\$9,904)</u>	<u>94.8%</u>	<u>770</u>	<u>597</u>	<u>(173)</u>	<u>77.5%</u>	<u>4,340</u>	<u>3,603</u>	<u>(737)</u>	<u>83.0%</u>
<u>Residential Water Heating Equipment</u>												
Water Heating (.67 EF)	\$3,321	\$2,295	(\$1,026)	69.1%	25	15	(10)	60.0%	45	29	(16)	64.4%
Tankless Water Heating (.82 EF)	4,982	6,505	1,523	130.6%	15	17	2	113.3%	14	35	21	250.0%
Low Flow Showerheads	7,933	2,395	(5,538)	30.2%	300	102	(198)	34.0%	360	184	(176)	51.1%
Total Residential Water Heating Equipment	<u>\$16,236</u>	<u>\$11,195</u>	<u>(\$5,041)</u>	<u>69.0%</u>	<u>340</u>	<u>134</u>	<u>(206)</u>	<u>39.4%</u>	<u>419</u>	<u>248</u>	<u>(171)</u>	<u>59.2%</u>
Attic Insulation	\$200	\$0	(\$200)	0.0%	1	0	(1)	0.0%	7	0	(7)	0.0%
Pilotless Fireplace	200	0	(200)	0.0%	2	0	(2)	0.0%	9	0	(9)	0.0%
Residential Energy Assessment	29,892	4,146	(25,746)	13.9%	45	5	(40)	11.1%	0	0	0	0.0%
Total Residential Programs	<u>\$237,374</u>	<u>\$196,283</u>	<u>(\$41,091)</u>	<u>82.7%</u>	<u>1,158</u>	<u>736</u>	<u>(422)</u>	<u>63.6%</u>	<u>4,775</u>	<u>3,851</u>	<u>(924)</u>	<u>80.6%</u>
<u>Low Income Programs</u>												
Weatherization	\$45,435	\$61,208	\$15,773	134.7%	16	15	(1)	93.8%	222	151	(71)	68.0%
Furnace and Boiler Replacement	21,030	11,836	(9,194)	56.3%	5	2	(3)	40.0%	95	51	(44)	53.7%
Furnace and Boiler Tune-Up	1,051	0	(1,051)	0.0%	5	0	(5)	0.0%	12	0	(12)	0.0%
Hot Water Heater Temp Set-Back	0	0	0	0.0%	10	3	(7)	30.0%	9	3	(6)	33.3%
Low Income Multi-Family Building Efficiency	49,333	105,063	55,730	213.0%	6	15	9	250.0%	600	2,255	1,655	375.9%
Prescriptive-Programmable Thermostates - Tier 2	3,004	0	(3,004)	0.0%	25	0	(25)	0.0%	93	0	(93)	0.0%
Prescriptive-Programmable Thermostates - Tier 3	5,408	0	(5,408)	0.0%	30	0	(30)	0.0%	183	0	(183)	0.0%
Prescriptive-Furnace Replacement Tier 2	31,544	17,261	(14,283)	54.7%	15	8	(7)	53.3%	147	83	(64)	56.5%
Prescriptive-Water Heater Replacement	1,803	0	(1,803)	0.0%	5	0	(5)	0.0%	9	0	(9)	0.0%
Prescriptive-Water Heater Replacement (Tankless)	4,507	0	(4,507)	0.0%	5	0	(5)	0.0%	5	0	(5)	0.0%
Total Low Income Programs	<u>\$163,115</u>	<u>\$195,368</u>	<u>\$32,253</u>	<u>119.8%</u>	<u>122</u>	<u>43</u>	<u>(79)</u>	<u>35.2%</u>	<u>1,375</u>	<u>2,543</u>	<u>1,168</u>	<u>185.0%</u>
Pre-Weatherization: Healthy Air Account	<u>21,468</u>	<u>\$17,000</u>	<u>(\$4,468)</u>	<u>79.2%</u>								
Total Low Income Programs	<u>\$184,583</u>	<u>\$212,368</u>	<u>\$27,785</u>	<u>115.1%</u>	<u>122</u>	<u>43</u>	<u>(79)</u>	<u>35.2%</u>	<u>1,375</u>	<u>2,543</u>	<u>1,168</u>	<u>185.0%</u>

**GREAT PLAINS NATURAL GAS CO.
GAS UTILITY - MINNESOTA
ENERGY CONSERVATION AND OPTIMIZATION STATUS REPORT
PROGRAM RESULTS
2024**

	Expenses			Percent of	Participants			Percent of	Dk Savings			Percent of
	Authorized 1/	Actual	Difference	Authorized	Authorized 1/	Actual	Difference	Authorized	Authorized 1/	Actual	Difference	Authorized
Commercial and Industrial Programs												
<u>Commercial Space Heating Equipment</u>												
Furnace Tier 1 - 94-95% AFUE - Replacement	\$5,821	\$1,953	(\$3,868)	33.6%	15	4	(11)	26.7%	464	121	(343)	26.1%
Furnace Tier 2 - 96%+ AFUE - New	1,553	0	(1,553)	0.0%	3	0	(3)	0.0%	99	0	(99)	0.0%
Furnace Tier 2 - 96%+ AFUE - Replacement	12,937	9,115	(3,822)	70.5%	25	14	(11)	56.0%	823	390	(433)	47.4%
Commercial Hot Water Boiler												
Tier 1 (85%+ AFUE)	1,967	0	(1,967)	0.0%	2	0	(2)	0.0%	79	0	(79)	0.0%
Tier 2 (88%+ AFUE)	21,217	39,110	17,893	184.3%	10	9	(1)	90.0%	988	1,620	632	164.0%
Commercial LP & HP Steam Boiler												
Tier 1 (<300,000 BTUH)	1,617	0	(1,617)	0.0%	1	0	(1)	0.0%	17	0	(17)	0.0%
Tier 2 (≥300,000 BTUH)	1,941	0	(1,941)	0.0%	1	0	(1)	0.0%	120	0	(120)	0.0%
Infrared Heater	1,617	814	(803)	50.3%	5	2	(3)	40.0%	141	47	(94)	33.3%
Condensing Unit Heater	387	488	101	126.1%	1	1	0	100.0%	20	12	(8)	60.0%
Total Commercial Space Heating Equipment	<u>\$49,057</u>	<u>\$51,480</u>	<u>\$2,423</u>	<u>104.9%</u>	<u>63</u>	<u>30</u>	<u>(33)</u>	<u>47.6%</u>	<u>2,751</u>	<u>2,190</u>	<u>(561)</u>	<u>79.6%</u>
Market Rate Multi-Family Building Efficiency	34,207	\$0	(\$34,207)	0.0%	4	0	(4)	0.0%	400	0	(400)	0.0%
<u>Commercial Water Heating Equipment</u>												
Water Heater .64 EF+ (≥40 Gallons)	\$258	\$0	(\$258)	0.0%	2	0	(2)	0.0%	0	0	0	0.0%
Water Heater Storage 88% Cond.	1,553	3,060	1,507	197.0%	5	4	(1)	80.0%	9	740	731	8222.2%
Total Commercial Water Heating Equipment	<u>\$1,811</u>	<u>\$3,060</u>	<u>\$1,249</u>	<u>169.0%</u>	<u>7</u>	<u>4</u>	<u>(3)</u>	<u>57.1%</u>	<u>9</u>	<u>740</u>	<u>731</u>	<u>8222.2%</u>
<u>Commercial Boiler Equipment</u>												
O2 Control	\$0	\$0	\$0	0.0%	0	0	0	0.0%	0	0	0	0.0%
Modulating Burner												
Tier 1 (<2,500 kBTUH)	1,617	0	(1,617)	0.0%	1	0	(1)	0.0%	31	0	(31)	0.0%
Tier 2 (>2,500 kBTUH)	0	4,070	4,070	0.0%	0	1	1	0.0%	0	263	263	0.0%
Stack Damper	647	0	(647)	0.0%	1	0	(1)	0.0%	92	0	(92)	0.0%
Turbulator	0	0	0	0.0%	0	0	0	0.0%	0	0	0	0.0%
Outdoor Air Reset	0	0	0	0.0%	0	0	0	0.0%	0	0	0	0.0%
Cut-Out Control	0	0	0	0.0%	0	0	0	0.0%	0	0	0	0.0%
Boiler Tune-Up												
Tier 1 (<2,500 kBTUH)	1,294	0	(1,294)	0.0%	5	0	(5)	0.0%	73	0	(73)	0.0%
Tier 2 (≥2,500 kBTUH)	1,164	3,255	2,091	279.6%	3	8	5	266.7%	304	479	175	157.6%
Steam Trap	1,245	2,980	1,735	239.4%	25	1	(24)	4.0%	348	662	314	190.2%
Total Commercial Boiler Equipment	<u>\$5,967</u>	<u>\$10,305</u>	<u>\$4,338</u>	<u>172.7%</u>	<u>35</u>	<u>10</u>	<u>(25)</u>	<u>28.6%</u>	<u>848</u>	<u>1,404</u>	<u>556</u>	<u>165.6%</u>

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**GREAT PLAINS NATURAL GAS CO.
GAS UTILITY - MINNESOTA
ENERGY CONSERVATION AND OPTIMIZATION STATUS REPORT
PROGRAM RESULTS
2024**

	Expenses			Percent of	Participants			Percent of	Dk Savings			Percent of
	Authorized 1/	Actual	Difference	Authorized	Authorized 1/	Actual	Difference	Authorized	Authorized 1/	Actual	Difference	Authorized
Commercial and Industrial Programs												
<u>Commercial Food Service</u>												
Tier 1 (\$500 Incentive)	\$1,294	\$2,441	\$1,147	188.6%	2	3	1	150.0%	179	314	135	175.4%
Tier 2 (\$1,000 Incentive)	1,294	3,255	1,961	251.5%	1	2	1	200.0%	83	79	(4)	95.2%
Tier 3 (\$1,500 Incentive)	0	4,883	4,883	0.0%	0	2	2	0.0%	0	97	97	0.0%
Total Commercial Food Service	<u>\$2,588</u>	<u>\$10,579</u>	<u>\$7,991</u>	<u>408.8%</u>	<u>3</u>	<u>7</u>	<u>4</u>	<u>233.3%</u>	<u>262</u>	<u>490</u>	<u>228</u>	<u>187.0%</u>
Commercial Custom	\$465,736	\$175,043	(\$290,693)	37.6%	12	5	(7)	41.7%	48,000	10,754	(37,246)	22.4%
Commercial Building Certification	5,175	0	(5,175)	0.0%	1	0	(1)	0.0%	0	0	0	0.0%
Commercial Energy Assessment	2,459	0	(2,459)	0.0%	2	0	(2)	0.0%	0	0	0	0.0%
Industrial Energy Assessment	7,762	0	(7,762)	0.0%	2	0	(2)	0.0%	0	0	0	0.0%
Total Commercial and Industrial Programs	<u>\$574,762</u>	<u>\$250,467</u>	<u>(\$324,295)</u>	<u>43.6%</u>	<u>129</u>	<u>56</u>	<u>(73)</u>	<u>43.4%</u>	<u>52,270</u>	<u>15,578</u>	<u>(36,692)</u>	<u>29.8%</u>
Total Programs	<u>\$996,719</u>	<u>\$659,118</u>	<u>(\$337,601)</u>	<u>66.1%</u>	<u>1,409</u>	<u>835</u>	<u>(574)</u>	<u>59.3%</u>	<u>58,420</u>	<u>21,972</u>	<u>(36,448)</u>	<u>37.6%</u>
Direct Assessment Charges	<u>\$18,000</u>	<u>\$19,083</u>	<u>\$1,083</u>	<u>106.0%</u>								
Grand Total of All Programs	<u>\$1,014,719</u>	<u>\$678,201</u>	<u>(\$336,518)</u>	<u>66.8%</u>								

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**GREAT PLAINS NATURAL GAS CO.
GAS UTILITY - MINNESOTA
ENERGY CONSERVATION AND OPTIMIZATION STATUS REPORT
COST PER DK SAVINGS
ACTUAL TO AUTHORIZED
2024**

	Actual Participants	Cost per Dk Savings			Percent of Authorized
		Authorized 1/	Actual	Difference	
<u>Residential Programs</u>					
<u>Residential Space Heating Equipment</u>					
Programmable Thermostats Tier 1	28	\$7.97	\$9.19	\$1.22	115.31%
Programmable Thermostats Tier 2	19	17.96	20.79	2.83	115.76%
Programmable Thermostats Tier 3	87	16.33	15.29	(1.04)	93.63%
Furnace Tier 1 - 94-95% AFUE - New	1	47.45	459.00	411.55	967.33%
Furnace Tier 1 - 94-95% AFUE - Replacement	39	47.45	51.61	4.16	108.77%
Furnace Tier 2 - 96%+ AFUE - New	3	54.22	306.17	251.95	564.68%
Furnace Tier 2 - 96%+ AFUE - Replacement	184	54.23	62.10	7.87	114.51%
Furnace and Boiler Tune-Up	209	28.88	63.28	34.40	219.11%
Boiler Tier 1 - 84-90.9% AFUE	2	332.17	183.60	(148.57)	55.27%
Boiler Tier 2 - 91%+ AFUE	25	107.14	49.70	(57.44)	46.39%
Total Residential Space Heating Equipment	597	\$43.97	\$50.22	\$6.25	114.21%
<u>Residential Water Heating Equipment</u>					
Water Heating (.67 EF)	15	\$73.80	\$79.14	\$5.34	107.24%
Tankless Water Heating (.82 EF)	17	355.86	185.86	(170.00)	52.23%
Low Flow Showerheads	102	22.04	13.02	(9.02)	59.07%
Total Residential Water Heating Equipment	134	\$38.75	\$45.14	\$6.39	116.49%
Attic Insulation	0	\$28.57	\$0.00	(\$28.57)	0.00%
Pilotless Fireplace	0	22.22	0.00	(22.22)	0.00%
Residential Energy Assessment	5	0.00	0.00	0.00	0.00%
Total Residential Programs	736	\$49.71	\$50.97	\$1.26	102.53%
<u>Low Income Programs</u>					
Weatherization	15	\$204.66	\$405.35	\$200.69	198.06%
Furnace and Boiler Replacement	2	221.37	232.08	10.71	104.84%
Furnace and Boiler Tune-Up	0	87.58	0.00	(87.58)	0.00%
Hot Water Heater Temp Set-Back	3	0.00	0.00	0.00	0.00%
Low Income Multi-Family Building Efficiency	15	82.22	46.59	(35.63)	56.67%
Prescriptive-Programmable Thermostates - Tier 2	0	32.30	0.00	(32.30)	0.00%
Prescriptive-Programmable Thermostates - Tier 3	0	29.55	0.00	(29.55)	0.00%
Prescriptive-Furnace Replacement Tier 2	8	214.59	207.96	(6.63)	96.91%
Prescriptive-Water Heater Replacement	0	200.33	0.00	(200.33)	0.00%
Prescriptive-Water Heater Replacement (Tankless)	0	901.40	0.00	(901.40)	0.00%
Total Low Income Programs	43	\$118.63	\$76.82	(\$41.81)	64.76%
<u>Commercial and Industrial Programs</u>					
<u>Commercial Space Heating Equipment</u>					
Furnace Tier 1 - 94-95% AFUE - Replacement	4	12.55	16.14	3.59	128.61%
Furnace Tier 2 - 96%+ AFUE - New	0	15.69	0.00	(15.69)	0.00%
Furnace Tier 2 - 96%+ AFUE - Replacement	14	15.72	23.37	7.65	148.66%
Commercial Hot Water Boiler					
Tier 1 (85%+ AFUE)	0	24.90	0.00	(24.90)	0.00%
Tier 2 (88%+ AFUE)	9	21.47	24.14	2.67	112.44%
Commercial LP & HP Steam Boiler					
Tier 1 (<300,000 BTUH)	0	95.12	0.00	(95.12)	0.00%
Tier 2 (≥300,000 BTUH)	0	16.18	0.00	(16.18)	0.00%
Infrared Heater	2	11.47	17.32	5.85	151.00%
Condensing Unit Heater	1	19.35	40.67	21.32	210.18%
Total Commercial Space Heating Equipment	30	\$17.83	\$23.51	\$5.68	131.86%

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**GREAT PLAINS NATURAL GAS CO.
GAS UTILITY - MINNESOTA
ENERGY CONSERVATION AND OPTIMIZATION STATUS REPORT
COST PER DK SAVINGS
ACTUAL TO AUTHORIZED
2024**

	Actual Participants	Cost per Dk Savings			Percent of Authorized
		Authorized 1/	Actual	Difference	
<u>Commercial and Industrial Programs</u>					
Market Rate Multi-Family Building Efficiency	0	85.52	\$0.00	-85.52	0.00%
<u>Commercial Water Heating Equipment</u>					
Water Heater .64 EF+ (≥40 Gallons)	0	\$0.00	\$0.00	\$0.00	0.00%
Water Heater Storage 88% Cond.	4	172.56	4.14	(168.42)	2.40%
Total Commercial Water Heating Equipment	4	\$201.22	\$4.14	(\$197.08)	2.06%
<u>Commercial Boiler Equipment</u>					
O2 Control	0	\$0.00	\$0.00	\$0.00	0.00%
Modulating Burner					
Tier 1 (<2,500 kBTUH)	0	52.16	0.00	(52.16)	0.00%
Tier 2 (>2,500 kBTUH)	1	0.00	15.48	15.48	0.00%
Stack Damper	0	7.03	0.00	(7.03)	0.00%
Turbulator	0	0.00	0.00	0.00	0.00%
Outdoor Air Reset	0	0.00	0.00	0.00	0.00%
Cut-Out Control	0	0.00	0.00	0.00	0.00%
Boiler Tune-Up					
Tier 1 (<2,500 kBTUH)	0	17.73	0.00	(17.73)	0.00%
Tier 2 (≥2,500 kBTUH)	8	3.83	6.80	2.97	177.55%
Steam Trap	1	3.58	4.50	0.92	125.70%
Total Commercial Boiler Equipment	10	\$7.04	\$7.34	\$0.30	104.26%
<u>Commercial Food Service</u>					
Tier 1 (\$500 Incentive)	3	\$7.23	\$7.77	\$0.54	107.47%
Tier 2 (\$1,000 Incentive)	2	15.59	41.20	25.61	264.27%
Tier 3 (\$1,500 Incentive)	2	0.00	50.34	50.34	0.00%
Total Commercial Food Service	7	\$9.88	\$21.59	\$11.71	218.52%
Commercial Custom	5	\$9.70	\$16.28	\$6.58	167.84%
Commercial Building Certification	0	0.00	0.00	0.00	0.00%
Commercial Energy Assessment	0	0.00	0.00	0.00	0.00%
Industrial Energy Assessment	0	0.00	0.00	0.00	0.00%
Total Commercial and Industrial Programs	56	\$11.00	\$16.08	\$5.08	146.18%
Total Programs 2/	835	\$17.37	\$30.87	\$13.50	177.72%

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2/ Includes direct assessment charges.

**GREAT PLAINS NATURAL GAS CO.
GAS UTILITY - MINNESOTA
ENERGY CONSERVATION AND OPTIMIZATION STATUS REPORT
SUMMARY OF LOW INCOME CAP PROGRAMS
2024**

		Weatherization			Furnace and Boiler Replacement			Furnace and Boiler Tune-Up			Hot Water Heater Temp Set-Back			Total Low Income		
Agency	Participants	Incentive Expense	Dk Savings	Expense per Dk	Incentive Expense	Dk Savings	Expense per Dk	Incentive Expense	Dk Savings	Expense Per Dk	Incentive Expense	Dk Savings	Expense Per Dk	Incentive Expense	Dk Savings	Expense per Dk
<u>Prairie V Community Action Council</u>																
	1	\$2,197	6.6	\$332.88	\$5,500	44.2	\$124.43					0.9		\$7,697	51.7	\$148.88
	2	2,136										0.9		2,136	0.9	2,373.33
	3	2,177	9.6	226.77								0.9		2,177	10.5	207.33
		<u>\$6,510</u>	<u>16.2</u>	<u>\$401.85</u>	<u>\$5,500</u>	<u>44.2</u>	<u>\$124.43</u>	<u>\$0</u>	<u>0.0</u>	<u>\$0.00</u>	<u>\$0</u>	<u>2.7</u>	<u>\$0.00</u>	<u>\$12,010</u>	<u>63.1</u>	<u>\$190.33</u>
<u>West Central Minnesota Community</u>																
	1	\$14,420	27.8	\$518.71										\$14,420	27.8	\$518.71
	2	7,090	11.5	616.52										7,090	11.5	616.52
		<u>\$21,510</u>	<u>39.3</u>	<u>\$547.33</u>	<u>\$0</u>	<u>0.0</u>	<u>\$0.00</u>	<u>\$0</u>	<u>0.0</u>	<u>\$0.00</u>	<u>\$0</u>	<u>0.0</u>	<u>\$0.00</u>	<u>\$21,510</u>	<u>39.3</u>	<u>\$547.33</u>
<u>United Community Action</u>																
	1	\$1,972	13.2	\$149.39										\$1,972	13.2	\$149.39
	2	1,999	12.6	158.65										1,999	12.6	158.65
	3	1,867	12.5	149.36										1,867	12.5	149.36
	4	1,822	8.6	211.86										1,822	8.6	211.86
	5	1,628	8.1	200.99										1,628	8.1	200.99
	6	2,392	8.6	278.14										2,392	8.6	278.14
	7	2,015	2.4	839.58										2,015	2.4	839.58
	8	1,540												1,540	0.0	0.00
	9	1,765	14.1	125.18										1,765	14.1	125.18
	10	986	8.3	118.80	\$3,630	6.7	\$541.79							4,616	15.0	307.73
	11	1,208	6.8	177.65										1,208	6.8	177.65
		<u>\$19,194</u>	<u>95.2</u>	<u>\$201.62</u>	<u>\$3,630</u>	<u>6.7</u>	<u>\$541.79</u>	<u>\$0</u>	<u>0.0</u>	<u>\$0.00</u>	<u>\$0</u>	<u>0.0</u>	<u>\$0.00</u>	<u>\$22,824</u>	<u>101.9</u>	<u>\$223.98</u>
Total	15	\$47,214	150.7	\$313.30	\$9,130	50.9	\$179.37	\$0	0.0	\$0.00	\$0	2.7	\$0.00	\$56,344	204.3	\$275.79

<u>Participants</u>	
Weatherization	15
Furnace and Boiler Replacement	2
Furnace and Boiler Tune-Up	0
Hot Water Heater Temp Set-Back	3
Total	20

Average Dk Savings per Participant 10.2

Input Data		2024			
1) Retail Rate (\$/Dth) =	\$9.47	16 Utility Project Costs			
Escalation Rate =	2.61%	16 a) Administrative & Operating Costs =	\$225,717.00		
		16 b) Incentive Costs =	\$433,401.00		
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 c) Total Utility Project Costs =	\$659,118.00		
Escalation Rate =	1.63%				
Non-Gas Fuel Units (e.g.. kWh,Gallons, etc.) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$1,379.00		
3) Commodity Cost (\$/Dth) =	\$3.25	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0.00		
Escalation Rate =	2.61%	Escalation Rate =	1.69%		
4) Demand Cost (\$/Dth/Yr) =	\$242.80	19) Participant Non-Energy Savings (Annual \$/Part)	\$0.00		
Escalation Rate =	2.61%	Escalation Rate =	2.61%		
5) Peak Reduction Factor =	0.18%	20) Project Life (Years) =	12.00		
6) Variable O&M (\$/Dth) =	\$0.0530	21) Avg. Dth/Part. Saved =	26.30		
Escalation Rate =	2.61%				
		22) Avg Non-Gas Fuel Units/Part. Saved =	220 kWh		
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.04414	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh		
Escalation Rate =	1.63%				
		23) Number of Participants =	835		
8) Non-Gas Fuel Loss Factor	7.70%				
		24) Total Annual Dth Saved =	21,972		
9) Gas Environmental Damage Factor (\$/Dth) =	\$3.83				
Escalation Rate =	1.69%	25) Incentive/Participant =	\$519.04		
10) Non Gas Fuel Enviro. Damage Factor (\$/Unit)	\$0.02536	26) Environmental Compliance (% or \$/Dth)	1.40%		
Escalation Rate =	1.69%				
		27) Market Price Effects (% or \$/Dth)	0.00		
11) Participant Discount Rate =	5.79%				
		28) Other Environmental	0.00		
12) CIP Utility Discount Rate =	5.79%				
		29) Economic and Jobs (Macroeconomic)	0.00		
13) Societal Discount Rate =	3.30%				
		30) Energy Security	0.00		
14) General Input Data Year =	2023				
		31) Energy Equity	0.00		
15a) Project Analysis Year 1 =	2024				
15b) Project Analysis Year 2 =		32) Utility Performance Incentives	\$0.00		
15c) Project Analysis Year 3 =					
		33) Credit and Collection Costs	0.00		
		34) Risk	0.00		
		35) Reliability	0.00		
		36) Resilience	0.00		
Cost Summary		2024	Test Results	Triennial NPV	Triennial B/C
Utility Cost per Participant =	\$789.36		Ratepayer Impact Measure Test	(\$1,939,305)	0.30
Cost per Participant per Dth =	\$82.45				
			Utility Cost Test	\$191,942	1.29
Lifetime Energy Reduction (Dth)	263,666				
			Societal Test	\$699,147	1.51
Societal Cost per Dth	\$5.22				
			Participant Test	\$1,412,048	2.23
			Minnesota Test	\$1,417,211	3.15

Project: **Total Residential Portfolio**

Attachment C
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Company: **Great Plains Natural Gas Co.**
 Project: **Total Residential Space Heating
 Equipment Program**

Input Data		2024		
1) Retail Rate (\$/Dth) =	\$10.02	16 Utility Project Costs		
Escalation Rate =	2.61%	16 a) Administrative & Operating Costs =	\$62,729.00	
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 b) Incentive Costs =	\$118,213.00	
Escalation Rate =	1.63%	16 c) Total Utility Project Costs =	\$180,942.00	
Non-Gas Fuel Units (e.g.. kWh,Gallons, etc.) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$574.00	
3) Commodity Cost (\$/Dth) =	\$3.25	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	1.69%	
4) Demand Cost (\$/Dth/Yr) =	\$242.80	19) Participant Non-Energy Savings (Annual \$/Part)	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	2.61%	
5) Peak Reduction Factor =	1.00%	20) Project Life (Years) =	11.00	
6) Variable O&M (\$/Dth) =	\$0.0530	21) Avg. Dth/Part. Saved =	6.00	
Escalation Rate =	2.61%	22) Avg Non-Gas Fuel Units/Part. Saved =	285 kWh	
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.04414	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh	
Escalation Rate =	1.63%	23) Number of Participants =	597	
8) Non-Gas Fuel Loss Factor	7.70%	24) Total Annual Dth Saved =	3,603	
9) Gas Environmental Damage Factor (\$/Dth) =	\$3.83	25) Incentive/Participant =	\$198.01	
Escalation Rate =	1.69%	26) Environmental Compliance (% or \$/Dth)	1.40%	
10) Non Gas Fuel Enviro. Damage Factor (\$/Unit)	\$0.02536	27) Market Price Effects (% or \$/Dth)	0.00	
Escalation Rate =	1.69%	28) Other Environmental	0.00	
11) Participant Discount Rate =	3.02%	29) Economic and Jobs (Macroeconomic)	0.00	
12) CIP Utility Discount Rate =	5.79%	30) Energy Security	0.00	
13) Societal Discount Rate =	3.30%	31) Energy Equity	0.00	
14) General Input Data Year =	2023	32) Utility Performance Incentives	\$0.00	
15a) Project Analysis Year 1 =	2024	33) Credit and Collection Costs	0.00	
15b) Project Analysis Year 2 =		34) Risk	0.00	
15c) Project Analysis Year 3 =		35) Reliability	0.00	
		36) Resilience	0.00	
Cost Summary		Test Results		
		Triennial NPV		Triennial B/C
Utility Cost per Participant =	\$303.09	Ratepayer Impact Measure Test		0.38
Cost per Participant per Dth =	\$146.18	Utility Cost Test		1.09
Lifetime Energy Reduction (Dth)	39,633	Societal Test		1.23
Societal Cost per Dth	\$10.23	Participant Test		1.48
		Minnesota Test		2.76

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

Input Data		2024		
1) Retail Rate (\$/Dth) =	\$10.02	16 Utility Project Costs		
Escalation Rate =	2.61%	16 a) Administrative & Operating Costs =	\$3,302.00	
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 b) Incentive Costs =	\$7,893.00	
Escalation Rate =	1.63%	16 c) Total Utility Project Costs =	\$11,195.00	
Non-Gas Fuel Units (e.g.. kWh,Gallons, etc.) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$213.00	
3) Commodity Cost (\$/Dth) =	\$3.25	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	1.69%	
4) Demand Cost (\$/Dth/Yr) =	\$242.80	19) Participant Non-Energy Savings (Annual \$/Part)	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	2.61%	
5) Peak Reduction Factor =	1.00%	20) Project Life (Years) =	12.00	
6) Variable O&M (\$/Dth) =	\$0.0530	21) Avg. Dth/Part. Saved =	1.90	
Escalation Rate =	2.61%	22) Avg Non-Gas Fuel Units/Part. Saved =	0 kWh	
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.04414	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh	
Escalation Rate =	1.63%	23) Number of Participants =	134	
8) Non-Gas Fuel Loss Factor	7.70%	24) Total Annual Dth Saved =	248	
9) Gas Environmental Damage Factor (\$/Dth) =	\$3.83	25) Incentive/Participant =	\$58.90	
Escalation Rate =	1.69%	26) Environmental Compliance (% or \$/Dth)	1.40%	
10) Non Gas Fuel Enviro. Damage Factor (\$/Unit)	\$0.02536	27) Market Price Effects (% or \$/Dth)	0.00	
Escalation Rate =	1.69%	28) Other Environmental	0.00	
11) Participant Discount Rate =	3.02%	29) Economic and Jobs (Macroeconomic)	0.00	
12) CIP Utility Discount Rate =	5.79%	30) Energy Security	0.00	
13) Societal Discount Rate =	3.30%	31) Energy Equity	0.00	
14) General Input Data Year =	2023	32) Utility Performance Incentives	\$0.00	
15a) Project Analysis Year 1 =	2024	33) Credit and Collection Costs	0.00	
15b) Project Analysis Year 2 =		34) Risk	0.00	
15c) Project Analysis Year 3 =		35) Reliability	0.00	
		36) Resilience	0.00	
Cost Summary		Test Results		
Utility Cost per Participant =	\$83.54	Ratepayer Impact Measure Test	Triennial NPV	Triennial B/C
Cost per Participant per Dth =	\$156.08	Utility Cost Test		
Lifetime Energy Reduction (Dth)	2,976	Societal Test		
Societal Cost per Dth	\$10.70	Participant Test		
		Minnesota Test		

Company: **Great Plains Natural Gas Co.**
 Project: **Residential Attic Insulation Program**

Input Data		2024	
1) Retail Rate (\$/Dth) =	\$10.02	16 Utility Project Costs	
Escalation Rate =	2.61%	16 a) Administrative & Operating Costs =	\$0.00
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 b) Incentive Costs =	\$0.00
Escalation Rate =	1.63%	16 c) Total Utility Project Costs =	\$0.00
Non-Gas Fuel Units (e.g.. kWh,Gallons, etc.) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$972.00
3) Commodity Cost (\$/Dth) =	\$3.25	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0.00
Escalation Rate =	2.61%	Escalation Rate =	1.69%
4) Demand Cost (\$/Dth/Yr) =	\$242.80	19) Participant Non-Energy Savings (Annual \$/Part)	\$0.00
Escalation Rate =	2.61%	Escalation Rate =	2.61%
5) Peak Reduction Factor =	1.00%	20) Project Life (Years) =	20.00
6) Variable O&M (\$/Dth) =	\$0.0530	21) Avg. Dth/Part. Saved =	6.60
Escalation Rate =	2.61%	22) Avg Non-Gas Fuel Units/Part. Saved =	0 kWh
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.04414	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh
Escalation Rate =	1.63%	23) Number of Participants =	-
8) Non-Gas Fuel Loss Factor	7.70%	24) Total Annual Dth Saved =	0
9) Gas Environmental Damage Factor (\$/Dth) =	\$3.83	25) Incentive/Participant =	#DIV/0!
Escalation Rate =	1.69%	26) Environmental Compliance (% or \$/Dth)	1.40%
10) Non Gas Fuel Enviro. Damage Factor (\$/Unit)	\$0.02536	27) Market Price Effects (% or \$/Dth)	0.00
Escalation Rate =	1.69%	28) Other Environmental	0.00
11) Participant Discount Rate =	3.02%	29) Economic and Jobs (Macroeconomic)	0.00
12) CIP Utility Discount Rate =	5.79%	30) Energy Security	0.00
13) Societal Discount Rate =	3.30%	31) Energy Equity	0.00
14) General Input Data Year =	2023	32) Utility Performance Incentives	\$0.00
15a) Project Analysis Year 1 =	2024	33) Credit and Collection Costs	0.00
15b) Project Analysis Year 2 =		34) Risk	0.00
15c) Project Analysis Year 3 =		35) Reliability	0.00
		36) Resilience	0.00
Cost Summary		Triennial NPV	Triennial B/C
Utility Cost per Participant =	#DIV/0!	Ratepayer Impact Measure Test	
Cost per Participant per Dth =	#DIV/0!		\$0
Lifetime Energy Reduction (Dth)	0	Utility Cost Test	\$0
Societal Cost per Dth	#DIV/0!	Societal Test	0.00
		Participant Test	\$0
		Minnesota Test	#DIV/0!
			\$0
			0.00

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

Input Data		2024		
1) Retail Rate (\$/Dth) =	\$10.02	16 Utility Project Costs		
Escalation Rate =	2.61%	16 a) Administrative & Operating Costs =	\$0.00	
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 b) Incentive Costs =	\$0.00	
Escalation Rate =	1.63%	16 c) Total Utility Project Costs =	\$0.00	
Non-Gas Fuel Units (e.g.. kWh,Gallons, etc.) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$193.00	
3) Commodity Cost (\$/Dth) =	\$3.25	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	1.69%	
4) Demand Cost (\$/Dth/Yr) =	\$242.80	19) Participant Non-Energy Savings (Annual \$/Part)	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	2.61%	
5) Peak Reduction Factor =	1.00%	20) Project Life (Years) =	15.00	
6) Variable O&M (\$/Dth) =	\$0.0530	21) Avg. Dth/Part. Saved =	4.40	
Escalation Rate =	2.61%	22) Avg Non-Gas Fuel Units/Part. Saved =	0 kWh	
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.04414	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh	
Escalation Rate =	1.63%	23) Number of Participants =	-	
8) Non-Gas Fuel Loss Factor	7.70%	24) Total Annual Dth Saved =	0	
9) Gas Environmental Damage Factor (\$/Dth) =	\$3.83	25) Incentive/Participant =	#DIV/0!	
Escalation Rate =	1.69%	26) Environmental Compliance (% or \$/Dth)	1.40%	
10) Non Gas Fuel Enviro. Damage Factor (\$/Unit)	\$0.02536	27) Market Price Effects (% or \$/Dth)	0.00	
Escalation Rate =	1.69%	28) Other Environmental	0.00	
11) Participant Discount Rate =	3.02%	29) Economic and Jobs (Macroeconomic)	0.00	
12) CIP Utility Discount Rate =	5.79%	30) Energy Security	0.00	
13) Societal Discount Rate =	3.30%	31) Energy Equity	0.00	
14) General Input Data Year =	2023	32) Utility Performance Incentives	\$0.00	
15a) Project Analysis Year 1 =	2024	33) Credit and Collection Costs	0.00	
15b) Project Analysis Year 2 =		34) Risk	0.00	
15c) Project Analysis Year 3 =		35) Reliability	0.00	
		36) Resilience	0.00	
Cost Summary		2024		
		Test Results	Triennial NPV	Triennial B/C
Utility Cost per Participant =	#DIV/0!	Ratepayer Impact Measure Test	\$0	#DIV/0!
Cost per Participant per Dth =	#DIV/0!	Utility Cost Test	\$0	0.00
Lifetime Energy Reduction (Dth)	0	Societal Test	\$0	#DIV/0!
Societal Cost per Dth	#DIV/0!	Participant Test	\$0	#DIV/0!
		Minnesota Test	\$0	0.00

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

Input Data		2024		
1) Retail Rate (\$/Dth) =	\$10.02	16 Utility Project Costs		
Escalation Rate =	2.61%	16 a) Administrative & Operating Costs =	\$1,437.00	
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 b) Incentive Costs =	\$2,709.00	
Escalation Rate =	1.63%	16 c) Total Utility Project Costs =	\$4,146.00	
Non-Gas Fuel Units (e.g.. kWh,Gallons, etc.) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$510.00	
3) Commodity Cost (\$/Dth) =	\$3.25	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	1.69%	
4) Demand Cost (\$/Dth/Yr) =	\$242.80	19) Participant Non-Energy Savings (Annual \$/Part)	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	2.61%	
5) Peak Reduction Factor =	1.00%	20) Project Life (Years) =	10.00	
6) Variable O&M (\$/Dth) =	\$0.0530	21) Avg. Dth/Part. Saved =	-	
Escalation Rate =	2.61%	22) Avg Non-Gas Fuel Units/Part. Saved =	0 kWh	
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.04414	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh	
Escalation Rate =	1.63%	23) Number of Participants =	5	
8) Non-Gas Fuel Loss Factor	7.70%	24) Total Annual Dth Saved =	0	
9) Gas Environmental Damage Factor (\$/Dth) =	\$3.83	25) Incentive/Participant =	\$541.80	
Escalation Rate =	1.69%	26) Environmental Compliance (% or \$/Dth)	1.40%	
10) Non Gas Fuel Enviro. Damage Factor (\$/Unit)	\$0.02536	27) Market Price Effects (% or \$/Dth)	0.00	
Escalation Rate =	1.69%	28) Other Environmental	0.00	
11) Participant Discount Rate =	3.02%	29) Economic and Jobs (Macroeconomic)	0.00	
12) CIP Utility Discount Rate =	5.79%	30) Energy Security	0.00	
13) Societal Discount Rate =	3.30%	31) Energy Equity	0.00	
14) General Input Data Year =	2023	32) Utility Performance Incentives	\$0.00	
15a) Project Analysis Year 1 =	2024	33) Credit and Collection Costs	0.00	
15b) Project Analysis Year 2 =		34) Risk	0.00	
15c) Project Analysis Year 3 =		35) Reliability	0.00	
		36) Resilience	0.00	
Cost Summary		Test Results	Triennial NPV	Triennial B/C
Utility Cost per Participant =	\$829.20	Ratepayer Impact Measure Test	(\$4,146)	0.00
Cost per Participant per Dth =	\$0.00	Utility Cost Test	(\$4,146)	0.00
Lifetime Energy Reduction (Dth)	0	Societal Test	(\$3,987)	0.00
Societal Cost per Dth	\$0.00	Participant Test	\$159	1.06
		Minnesota Test	(\$4,146)	0.00

Company: **Great Plains Natural Gas Co.**Project: **Total Low-Income Program**

Input Data		2024		
1) Retail Rate (\$/Dth) =	\$10.02	16 Utility Project Costs		
Escalation Rate =	2.61%	16 a) Administrative & Operating Costs =	\$61,667.00	
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 b) Incentive Costs =	\$150,701.00	
Escalation Rate =	1.63%	16 c) Total Utility Project Costs =	\$212,368.00	
Non-Gas Fuel Units (e.g.. kWh,Gallons, etc.) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$2,646.00	
3) Commodity Cost (\$/Dth) =	\$3.25	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	1.69%	
4) Demand Cost (\$/Dth/Yr) =	\$242.80	19) Participant Non-Energy Savings (Annual \$/Part)	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	2.61%	
5) Peak Reduction Factor =	1.00%	20) Project Life (Years) =	14.00	
6) Variable O&M (\$/Dth) =	\$0.0530	21) Avg. Dth/Part. Saved =	59.10	
Escalation Rate =	2.61%	22) Avg Non-Gas Fuel Units/Part. Saved =	167 kWh	
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.04414	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh	
Escalation Rate =	1.63%	23) Number of Participants =	43	
8) Non-Gas Fuel Loss Factor	7.70%	24) Total Annual Dth Saved =	2,543	
9) Gas Environmental Damage Factor (\$/Dth) =	\$3.83	25) Incentive/Participant =	\$3,504.67	
Escalation Rate =	1.69%	26) Environmental Compliance (% or \$/Dth)	1.40%	
10) Non Gas Fuel Enviro. Damage Factor (\$/Unit)	\$0.02536	27) Market Price Effects (% or \$/Dth)	0.00	
Escalation Rate =	1.69%	28) Other Environmental	0.00	
11) Participant Discount Rate =	3.02%	29) Economic and Jobs (Macroeconomic)	0.00	
12) CIP Utility Discount Rate =	5.79%	30) Energy Security	0.00	
13) Societal Discount Rate =	3.30%	31) Energy Equity	0.00	
14) General Input Data Year =	2023	32) Utility Performance Incentives	\$0.00	
15a) Project Analysis Year 1 =	2024	33) Credit and Collection Costs	0.00	
15b) Project Analysis Year 2 =		34) Risk	0.00	
15c) Project Analysis Year 3 =		35) Reliability	0.00	
		36) Resilience	0.00	
Cost Summary		Test Results		
		Triennial NPV		Triennial B/C
Utility Cost per Participant =	\$4,938.79	Ratepayer Impact Measure Test		0.34
Cost per Participant per Dth =	\$128.34	Utility Cost Test		0.81
Lifetime Energy Reduction (Dth)	35,605	Societal Test		1.90
Societal Cost per Dth	\$4.93	Participant Test		4.41
		Minnesota Test		1.57

Company: **Great Plains Natural Gas Co.**Project: **Low-Income Weatherization**

Input Data		2024		
1) Retail Rate (\$/Dth) =	\$10.02	16 Utility Project Costs		
Escalation Rate =	2.61%	16 a) Administrative & Operating Costs =	\$15,070.00	
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 b) Incentive Costs =	\$50,844.00	
Escalation Rate =	1.63%	16 c) Total Utility Project Costs =	\$65,914.00	
Non-Gas Fuel Units (e.g.. kWh,Gallons, etc.) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$2,363.00	
3) Commodity Cost (\$/Dth) =	\$3.25	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	1.69%	
4) Demand Cost (\$/Dth/Yr) =	\$242.80	19) Participant Non-Energy Savings (Annual \$/Part)	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	2.61%	
5) Peak Reduction Factor =	1.00%	20) Project Life (Years) =	20.00	
6) Variable O&M (\$/Dth) =	\$0.0530	21) Avg. Dth/Part. Saved =	10.07	
Escalation Rate =	2.61%	22) Avg Non-Gas Fuel Units/Part. Saved =	0 kWh	
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.04414	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh	
Escalation Rate =	1.63%	23) Number of Participants =	15	
8) Non-Gas Fuel Loss Factor	7.70%	24) Total Annual Dth Saved =	151	
9) Gas Environmental Damage Factor (\$/Dth) =	\$3.83	25) Incentive/Participant =	\$3,389.60	
Escalation Rate =	1.69%	26) Environmental Compliance (% or \$/Dth)	1.40%	
10) Non Gas Fuel Enviro. Damage Factor (\$/Unit)	\$0.02536	27) Market Price Effects (% or \$/Dth)	0.00	
Escalation Rate =	1.69%	28) Other Environmental	0.00	
11) Participant Discount Rate =	3.02%	29) Economic and Jobs (Macroeconomic)	0.00	
12) CIP Utility Discount Rate =	5.79%	30) Energy Security	0.00	
13) Societal Discount Rate =	3.30%	31) Energy Equity	0.00	
14) General Input Data Year =	2023	32) Utility Performance Incentives	\$0.00	
15a) Project Analysis Year 1 =	2024	33) Credit and Collection Costs	0.00	
15b) Project Analysis Year 2 =		34) Risk	0.00	
15c) Project Analysis Year 3 =		35) Reliability	0.00	
		36) Resilience	0.00	
Cost Summary		2024		
		Test Results	Triennial NPV	Triennial B/C
Utility Cost per Participant =	\$4,394.27	Ratepayer Impact Measure Test	(\$75,746)	0.15
Cost per Participant per Dth =	\$671.03	Utility Cost Test	(\$52,525)	0.20
Lifetime Energy Reduction (Dth)	3,021	Societal Test	(\$23,648)	0.53
Societal Cost per Dth	\$16.72	Participant Test	\$44,905	2.27
		Minnesota Test	(\$39,047)	0.41

Company: **Great Plains Natural Gas Co.**
 Project: **Low-Income Furnance Replacement**

Input Data		2024		
1) Retail Rate (\$/Dth) =	\$10.02	16 Utility Project Costs		
Escalation Rate =	2.61%	16 a) Administrative & Operating Costs =	\$1,630.00	
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 b) Incentive Costs =	\$5,500.00	
Escalation Rate =	1.63%	16 c) Total Utility Project Costs =	\$7,130.00	
Non-Gas Fuel Units (e.g.. kWh,Gallons, etc.) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$3,500.00	
3) Commodity Cost (\$/Dth) =	\$3.25	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	1.69%	
4) Demand Cost (\$/Dth/Yr) =	\$242.80	19) Participant Non-Energy Savings (Annual \$/Part)	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	2.61%	
5) Peak Reduction Factor =	1.00%	20) Project Life (Years) =	20.00	
6) Variable O&M (\$/Dth) =	\$0.0530	21) Avg. Dth/Part. Saved =	25.50	
Escalation Rate =	2.61%	22) Avg Non-Gas Fuel Units/Part. Saved =	720 kWh	
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.04414	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh	
Escalation Rate =	1.63%	23) Number of Participants =	2	
8) Non-Gas Fuel Loss Factor	7.70%	24) Total Annual Dth Saved =	51	
9) Gas Environmental Damage Factor (\$/Dth) =	\$3.83	25) Incentive/Participant =	\$2,750.00	
Escalation Rate =	1.69%	26) Environmental Compliance (% or \$/Dth)	1.40%	
10) Non Gas Fuel Enviro. Damage Factor (\$/Unit)	\$0.02536	27) Market Price Effects (% or \$/Dth)	0.00	
Escalation Rate =	1.69%	28) Other Environmental	0.00	
11) Participant Discount Rate =	3.02%	29) Economic and Jobs (Macroeconomic)	0.00	
12) CIP Utility Discount Rate =	5.79%	30) Energy Security	0.00	
13) Societal Discount Rate =	3.30%	31) Energy Equity	0.00	
14) General Input Data Year =	2023	32) Utility Performance Incentives	\$0.00	
15a) Project Analysis Year 1 =	2024	33) Credit and Collection Costs	0.00	
15b) Project Analysis Year 2 =		34) Risk	0.00	
15c) Project Analysis Year 3 =		35) Reliability	0.00	
		36) Resilience	0.00	
Cost Summary		Test Results		
Utility Cost per Participant =	\$3,565.00	Ratepayer Impact Measure Test	Triennial NPV	Triennial B/C
Cost per Participant per Dth =	\$277.06	Utility Cost Test	(\$10,450)	0.30
Lifetime Energy Reduction (Dth)	1,020	Societal Test	(\$2,609)	0.63
Societal Cost per Dth	\$8.46	Participant Test	\$2,344	1.27
		Minnesota Test	\$8,462	2.21
			\$3,844	1.54

Company: **Great Plains Natural Gas Co.**
 Project: **Low-Income Furnance/Boiler Tune-Up -**
CAP Agency Program

Input Data		2024		
1) Retail Rate (\$/Dth) =	\$10.02	16 Utility Project Costs		
Escalation Rate =	2.61%	16 a) Administrative & Operating Costs =	\$0.00	
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 b) Incentive Costs =	\$0.00	
Escalation Rate =	1.63%	16 c) Total Utility Project Costs =	\$0.00	
Non-Gas Fuel Units (e.g.. kWh,Gallons, etc.) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$175.00	
3) Commodity Cost (\$/Dth) =	\$3.25	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	1.69%	
4) Demand Cost (\$/Dth/Yr) =	\$242.80	19) Participant Non-Energy Savings (Annual \$/Part)	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	2.61%	
5) Peak Reduction Factor =	1.00%	20) Project Life (Years) =	2.00	
6) Variable O&M (\$/Dth) =	\$0.0530	21) Avg. Dth/Part. Saved =	2.30	
Escalation Rate =	2.61%	22) Avg Non-Gas Fuel Units/Part. Saved =	0 kWh	
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.04414	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh	
Escalation Rate =	1.63%	23) Number of Participants =	-	
8) Non-Gas Fuel Loss Factor	7.70%	24) Total Annual Dth Saved =	0	
9) Gas Environmental Damage Factor (\$/Dth) =	\$3.83	25) Incentive/Participant =	#DIV/0!	
Escalation Rate =	1.69%	26) Environmental Compliance (% or \$/Dth)	1.40%	
10) Non Gas Fuel Enviro. Damage Factor (\$/Unit)	\$0.02536	27) Market Price Effects (% or \$/Dth)	0.00	
Escalation Rate =	1.69%	28) Other Environmental	0.00	
11) Participant Discount Rate =	3.02%	29) Economic and Jobs (Macroeconomic)	0.00	
12) CIP Utility Discount Rate =	5.79%	30) Energy Security	0.00	
13) Societal Discount Rate =	3.30%	31) Energy Equity	0.00	
14) General Input Data Year =	2023	32) Utility Performance Incentives	\$0.00	
15a) Project Analysis Year 1 =	2024	33) Credit and Collection Costs	0.00	
15b) Project Analysis Year 2 =		34) Risk	0.00	
15c) Project Analysis Year 3 =		35) Reliability	0.00	
		36) Resilience	0.00	
Cost Summary		Test Results		
		Triennial		
		NPV		
		Triennial		
		B/C		
Utility Cost per Participant =	#DIV/0!	Ratepayer Impact Measure Test		
Cost per Participant per Dth =	#DIV/0!	\$0		
Lifetime Energy Reduction (Dth)	0	Utility Cost Test		
Societal Cost per Dth	#DIV/0!	\$0		
		Societal Test		
		\$0		
		Participant Test		
		\$0		
		Minnesota Test		
		\$0		

Company: **Great Plains Natural Gas Co.**
 Project: **Low-Income Hot Water Heater Temp
 Set-Back - CAP Agency Program**

Input Data		2024		
1) Retail Rate (\$/Dth) =	\$10.02	16 Utility Project Costs		
Escalation Rate =	2.61%	16 a) Administrative & Operating Costs =	\$0.00	
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 b) Incentive Costs =	\$0.00	
Escalation Rate =	1.63%	16 c) Total Utility Project Costs =	\$0.00	
Non-Gas Fuel Units (e.g.. kWh,Gallons, etc.) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$0.00	
3) Commodity Cost (\$/Dth) =	\$3.25	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	1.69%	
4) Demand Cost (\$/Dth/Yr) =	\$242.80	19) Participant Non-Energy Savings (Annual \$/Part)	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	2.61%	
5) Peak Reduction Factor =	1.00%	20) Project Life (Years) =	2.00	
6) Variable O&M (\$/Dth) =	\$0.0530	21) Avg. Dth/Part. Saved =	0.90	
Escalation Rate =	2.61%	22) Avg Non-Gas Fuel Units/Part. Saved =	0 kWh	
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.04414	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh	
Escalation Rate =	1.63%	23) Number of Participants =	3	
8) Non-Gas Fuel Loss Factor	7.70%	24) Total Annual Dth Saved =	3	
9) Gas Environmental Damage Factor (\$/Dth) =	\$3.83	25) Incentive/Participant =	\$0.00	
Escalation Rate =	1.69%	26) Environmental Compliance (% or \$/Dth)	1.40%	
10) Non Gas Fuel Enviro. Damage Factor (\$/Unit)	\$0.02536	27) Market Price Effects (% or \$/Dth)	0.00	
Escalation Rate =	1.69%	28) Other Environmental	0.00	
11) Participant Discount Rate =	3.02%	29) Economic and Jobs (Macroeconomic)	0.00	
12) CIP Utility Discount Rate =	5.79%	30) Energy Security	0.00	
13) Societal Discount Rate =	3.30%	31) Energy Equity	0.00	
14) General Input Data Year =	2023	32) Utility Performance Incentives	\$0.00	
15a) Project Analysis Year 1 =	2024	33) Credit and Collection Costs	0.00	
15b) Project Analysis Year 2 =		34) Risk	0.00	
15c) Project Analysis Year 3 =		35) Reliability	0.00	
		36) Resilience	0.00	
Cost Summary		Triennial		
		NPV		
		B/C		
Utility Cost per Participant =	\$0.00	Ratepayer Impact Measure Test		
Cost per Participant per Dth =	\$0.00	(\$22)		
Lifetime Energy Reduction (Dth)	5	Utility Cost Test		
Societal Cost per Dth	\$0.00	\$30		
		#DIV/0!		
		Societal Test		
		\$51		
		#DIV/0!		
		Participant Test		
		\$52		
		#DIV/0!		
		Minnesota Test		
		\$51		
		#DIV/0!		

Company: **Great Plains Natural Gas Co.**
 Project: **Low-Income Multi-Family Building
 Efficiency Program**

Input Data		2024		
1) Retail Rate (\$/Dth) =	\$10.02	16 Utility Project Costs		
Escalation Rate =	2.61%	16 a) Administrative & Operating Costs =	\$24,020.00	
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 b) Incentive Costs =	\$81,043.00	
Escalation Rate =	1.63%	16 c) Total Utility Project Costs =	\$105,063.00	
Non-Gas Fuel Units (e.g.. kWh,Gallons, etc.) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$4,500.00	
3) Commodity Cost (\$/Dth) =	\$3.25	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	1.69%	
4) Demand Cost (\$/Dth/Yr) =	\$242.80	19) Participant Non-Energy Savings (Annual \$/Part)	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	2.61%	
5) Peak Reduction Factor =	1.00%	20) Project Life (Years) =	11.00	
6) Variable O&M (\$/Dth) =	\$0.0530	21) Avg. Dth/Part. Saved =	150.33	
Escalation Rate =	2.61%	22) Avg Non-Gas Fuel Units/Part. Saved =	0 kWh	
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.04414	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh	
Escalation Rate =	1.63%	23) Number of Participants =	15	
8) Non-Gas Fuel Loss Factor	7.70%	24) Total Annual Dth Saved =	2,255	
9) Gas Environmental Damage Factor (\$/Dth) =	\$3.83	25) Incentive/Participant =	\$5,402.87	
Escalation Rate =	1.69%	26) Environmental Compliance (% or \$/Dth)	1.40%	
10) Non Gas Fuel Enviro. Damage Factor (\$/Unit)	\$0.02536	27) Market Price Effects (% or \$/Dth)	0.00	
Escalation Rate =	1.69%	28) Other Environmental	0.00	
11) Participant Discount Rate =	3.02%	29) Economic and Jobs (Macroeconomic)	0.00	
12) CIP Utility Discount Rate =	5.79%	30) Energy Security	0.00	
13) Societal Discount Rate =	3.30%	31) Energy Equity	0.00	
14) General Input Data Year =	2023	32) Utility Performance Incentives	\$0.00	
15a) Project Analysis Year 1 =	2024	33) Credit and Collection Costs	0.00	
15b) Project Analysis Year 2 =		34) Risk	0.00	
15c) Project Analysis Year 3 =		35) Reliability	0.00	
		36) Resilience	0.00	
Cost Summary		Test Results		
Utility Cost per Participant =	\$7,004.20	Ratepayer Impact Measure Test	Triennial NPV	Triennial B/C
Cost per Participant per Dth =	\$76.53	Utility Cost Test		
Lifetime Energy Reduction (Dth)	24,804	Societal Test		
Societal Cost per Dth	\$3.69	Participant Test		
		Minnesota Test		

Company: **Great Plains Natural Gas Co.**
 Project: **Low-Income Prescriptive - Programmable
 Thermostats - Tier 2 Program**

Input Data		2024		
1) Retail Rate (\$/Dth) =	\$10.02	16 Utility Project Costs		
Escalation Rate =	2.61%	16 a) Administrative & Operating Costs =	\$0.00	
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 b) Incentive Costs =	\$0.00	
Escalation Rate =	1.63%	16 c) Total Utility Project Costs =	\$0.00	
Non-Gas Fuel Units (e.g., kWh, Gallons, etc.) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$174.00	
3) Commodity Cost (\$/Dth) =	\$3.25	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	1.69%	
4) Demand Cost (\$/Dth/Yr) =	\$242.80	19) Participant Non-Energy Savings (Annual \$/Part)	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	2.61%	
5) Peak Reduction Factor =	1.00%	20) Project Life (Years) =	10.00	
6) Variable O&M (\$/Dth) =	\$0.0530	21) Avg. Dth/Part. Saved =	3.70	
Escalation Rate =	2.61%	22) Avg Non-Gas Fuel Units/Part. Saved =	41 kWh	
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.04414	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh	
Escalation Rate =	1.63%	23) Number of Participants =	-	
8) Non-Gas Fuel Loss Factor	7.70%	24) Total Annual Dth Saved =	0	
9) Gas Environmental Damage Factor (\$/Dth) =	\$3.83	25) Incentive/Participant =	#DIV/0!	
Escalation Rate =	1.69%	26) Environmental Compliance (% or \$/Dth)	1.40%	
10) Non Gas Fuel Enviro. Damage Factor (\$/Unit)	\$0.02536	27) Market Price Effects (% or \$/Dth)	0.00	
Escalation Rate =	1.69%	28) Other Environmental	0.00	
11) Participant Discount Rate =	3.02%	29) Economic and Jobs (Macroeconomic)	0.00	
12) CIP Utility Discount Rate =	5.79%	30) Energy Security	0.00	
13) Societal Discount Rate =	3.30%	31) Energy Equity	0.00	
14) General Input Data Year =	2023	32) Utility Performance Incentives	\$0.00	
15a) Project Analysis Year 1 =	2024	33) Credit and Collection Costs	0.00	
15b) Project Analysis Year 2 =		34) Risk	0.00	
15c) Project Analysis Year 3 =		35) Reliability	0.00	
		36) Resilience	0.00	
Cost Summary		Test Results	Triennial NPV	Triennial B/C
Utility Cost per Participant =	#DIV/0!	Ratepayer Impact Measure Test	\$0	#DIV/0!
Cost per Participant per Dth =	#DIV/0!	Utility Cost Test	\$0	#DIV/0!
Lifetime Energy Reduction (Dth)	0	Societal Test	\$0	#DIV/0!
Societal Cost per Dth	#DIV/0!	Participant Test	\$0	#DIV/0!
		Minnesota Test	\$0	#DIV/0!

Company: **Great Plains Natural Gas Co.**
 Project: **Low-Income Prescriptive - Programmable**
Thermostats - Tier 3 Program

Input Data		2024		
1) Retail Rate (\$/Dth) =	\$10.02	16 Utility Project Costs		
Escalation Rate =	2.61%	16 a) Administrative & Operating Costs =	\$0.00	
		16 b) Incentive Costs =	\$0.00	
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 c) Total Utility Project Costs =	\$0.00	
Escalation Rate =	1.63%	17) Direct Participant Costs (\$/Part.) =	\$189.00	
Non-Gas Fuel Units (e.g.. kWh,Gallons, etc.) =	kWh			
3) Commodity Cost (\$/Dth) =	\$3.25	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	1.69%	
4) Demand Cost (\$/Dth/Yr) =	\$242.80	19) Participant Non-Energy Savings (Annual \$/Part)	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	2.61%	
5) Peak Reduction Factor =	1.00%	20) Project Life (Years) =	10.00	
6) Variable O&M (\$/Dth) =	\$0.0530	21) Avg. Dth/Part. Saved =	6.10	
Escalation Rate =	2.61%			
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.04414	22) Avg Non-Gas Fuel Units/Part. Saved =	68 kWh	
Escalation Rate =	1.63%	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh	
8) Non-Gas Fuel Loss Factor	7.70%	23) Number of Participants =	-	
9) Gas Environmental Damage Factor (\$/Dth) =	\$3.83	24) Total Annual Dth Saved =	0	
Escalation Rate =	1.69%	25) Incentive/Participant =	#DIV/0!	
10) Non Gas Fuel Enviro. Damage Factor (\$/Unit)	\$0.02536	26) Environmental Compliance (% or \$/Dth)	1.40%	
Escalation Rate =	1.69%	27) Market Price Effects (% or \$/Dth)	0.00	
11) Participant Discount Rate =	3.02%	28) Other Environmental	0.00	
12) CIP Utility Discount Rate =	5.79%	29) Economic and Jobs (Macroeconomic)	0.00	
13) Societal Discount Rate =	3.30%	30) Energy Security	0.00	
14) General Input Data Year =	2023	31) Energy Equity	0.00	
15a) Project Analysis Year 1 =	2024	32) Utility Performance Incentives	\$0.00	
15b) Project Analysis Year 2 =		33) Credit and Collection Costs	0.00	
15c) Project Analysis Year 3 =		34) Risk	0.00	
		35) Reliability	0.00	
		36) Resilience	0.00	
Cost Summary		Test Results	Triennial NPV	Triennial B/C
Utility Cost per Participant =	#DIV/0!	Ratepayer Impact Measure Test	\$0	#DIV/0!
Cost per Participant per Dth =	#DIV/0!	Utility Cost Test	\$0	#DIV/0!
Lifetime Energy Reduction (Dth)	0	Societal Test	\$0	#DIV/0!
Societal Cost per Dth	#DIV/0!	Participant Test	\$0	#DIV/0!
		Minnesota Test	\$0	#DIV/0!

Company: **Great Plains Natural Gas Co.**
 Project: **Low-Income Prescriptive - Furnace
 Replacement - Tier 2 Program**

Input Data		2024	
1) Retail Rate (\$/Dth) =	\$10.02	16 Utility Project Costs	
Escalation Rate =	2.61%	16 a) Administrative & Operating Costs =	\$3,947.00
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 b) Incentive Costs =	\$13,314.00
Escalation Rate =	1.63%	16 c) Total Utility Project Costs =	\$17,261.00
Non-Gas Fuel Units (e.g., kWh,Gallons, etc.) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$477.00
3) Commodity Cost (\$/Dth) =	\$3.25	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0.00
Escalation Rate =	2.61%	Escalation Rate =	1.69%
4) Demand Cost (\$/Dth/Yr) =	\$242.80	19) Participant Non-Energy Savings (Annual \$/Part)	\$0.00
Escalation Rate =	2.61%	Escalation Rate =	2.61%
5) Peak Reduction Factor =	1.00%	20) Project Life (Years) =	10.00
6) Variable O&M (\$/Dth) =	\$0.0530	21) Avg. Dth/Part. Saved =	10.38
Escalation Rate =	2.61%	22) Avg Non-Gas Fuel Units/Part. Saved =	720 kWh
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.04414	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh
Escalation Rate =	1.63%	23) Number of Participants =	8
8) Non-Gas Fuel Loss Factor	7.70%	24) Total Annual Dth Saved =	83
9) Gas Environmental Damage Factor (\$/Dth) =	\$3.83	25) Incentive/Participant =	\$1,664.25
Escalation Rate =	1.69%	26) Environmental Compliance (% or \$/Dth)	1.40%
10) Non Gas Fuel Enviro. Damage Factor (\$/Unit)	\$0.02536	27) Market Price Effects (% or \$/Dth)	0.00
Escalation Rate =	1.69%	28) Other Environmental	0.00
11) Participant Discount Rate =	3.02%	29) Economic and Jobs (Macroeconomic)	0.00
12) CIP Utility Discount Rate =	5.79%	30) Energy Security	0.00
13) Societal Discount Rate =	3.30%	31) Energy Equity	0.00
14) General Input Data Year =	2023	32) Utility Performance Incentives	\$0.00
15a) Project Analysis Year 1 =	2024	33) Credit and Collection Costs	0.00
15b) Project Analysis Year 2 =		34) Risk	0.00
15c) Project Analysis Year 3 =		35) Reliability	0.00
		36) Resilience	0.00
Cost Summary		Triennial	
	2024	NPV	Triennial B/C
Utility Cost per Participant =	\$2,157.63	Ratepayer Impact Measure Test	(\$20,337) 0.17
Cost per Participant per Dth =	\$253.82	Utility Cost Test	(\$13,072) 0.24
Lifetime Energy Reduction (Dth)	830	Societal Test	\$4,041 1.52
Societal Cost per Dth	\$9.35	Participant Test	\$17,674 5.63
		Minnesota Test	(\$5,457) 0.68

Company: **Great Plains Natural Gas Co.**
 Project: **Low-Income Prescriptive - Water**
Heater Replacement Program

Input Data		2024		
1) Retail Rate (\$/Dth) =	\$10.02	16 Utility Project Costs		
Escalation Rate =	2.61%	16 a) Administrative & Operating Costs =	\$0.00	
		16 b) Incentive Costs =	\$0.00	
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 c) Total Utility Project Costs =	\$0.00	
Escalation Rate =	1.63%			
Non-Gas Fuel Units (e.g.. kWh,Gallons, etc.) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$577.00	
3) Commodity Cost (\$/Dth) =	\$3.25	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	1.69%	
4) Demand Cost (\$/Dth/Yr) =	\$242.80	19) Participant Non-Energy Savings (Annual \$/Part)	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	2.61%	
5) Peak Reduction Factor =	1.00%	20) Project Life (Years) =	15.00	
6) Variable O&M (\$/Dth) =	\$0.0530	21) Avg. Dth/Part. Saved =	1.80	
Escalation Rate =	2.61%			
		22) Avg Non-Gas Fuel Units/Part. Saved =	0 kWh	
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.04414	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh	
Escalation Rate =	1.63%			
		23) Number of Participants =	-	
8) Non-Gas Fuel Loss Factor	7.70%			
		24) Total Annual Dth Saved =	0	
9) Gas Environmental Damage Factor (\$/Dth) =	\$3.83			
Escalation Rate =	1.69%	25) Incentive/Participant =	#DIV/0!	
10) Non Gas Fuel Enviro. Damage Factor (\$/Unit)	\$0.02536	26) Environmental Compliance (% or \$/Dth)	1.40%	
Escalation Rate =	1.69%			
		27) Market Price Effects (% or \$/Dth)	0.00	
11) Participant Discount Rate =	3.02%			
		28) Other Environmental	0.00	
12) CIP Utility Discount Rate =	5.79%			
		29) Economic and Jobs (Macroeconomic)	0.00	
13) Societal Discount Rate =	3.30%			
		30) Energy Security	0.00	
14) General Input Data Year =	2023			
		31) Energy Equity	0.00	
15a) Project Analysis Year 1 =	2024			
15b) Project Analysis Year 2 =		32) Utility Performance Incentives	\$0.00	
15c) Project Analysis Year 3 =				
		33) Credit and Collection Costs	0.00	
		34) Risk	0.00	
		35) Reliability	0.00	
		36) Resilience	0.00	
Cost Summary		Test Results	Triennial NPV	Triennial B/C
Utility Cost per Participant =	#DIV/0!	Ratepayer Impact Measure Test	\$0	#DIV/0!
Cost per Participant per Dth =	#DIV/0!	Utility Cost Test	\$0	#DIV/0!
Lifetime Energy Reduction (Dth)	0	Societal Test	\$0	#DIV/0!
Societal Cost per Dth	#DIV/0!	Participant Test	\$0	#DIV/0!
		Minnesota Test	\$0	#DIV/0!

Company: **Great Plains Natural Gas Co.**
 Project: **Low-Income Prescriptive - Water
 Heater Replacement (Tankless)**

Input Data		2024		
1) Retail Rate (\$/Dth) =	\$10.02	16 Utility Project Costs		
Escalation Rate =	2.61%	16 a) Administrative & Operating Costs =	\$0.00	
		16 b) Incentive Costs =	\$0.00	
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 c) Total Utility Project Costs =	\$0.00	
Escalation Rate =	1.63%			
Non-Gas Fuel Units (e.g.. kWh,Gallons, etc.) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$1,096.00	
3) Commodity Cost (\$/Dth) =	\$3.25	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	1.69%	
4) Demand Cost (\$/Dth/Yr) =	\$242.80	19) Participant Non-Energy Savings (Annual \$/Part)	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	2.61%	
5) Peak Reduction Factor =	1.00%	20) Project Life (Years) =	20.00	
6) Variable O&M (\$/Dth) =	\$0.0530	21) Avg. Dth/Part. Saved =	0.90	
Escalation Rate =	2.61%			
		22) Avg Non-Gas Fuel Units/Part. Saved =	0 kWh	
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.04414	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh	
Escalation Rate =	1.63%			
		23) Number of Participants =	-	
8) Non-Gas Fuel Loss Factor	7.70%			
		24) Total Annual Dth Saved =	0	
9) Gas Environmental Damage Factor (\$/Dth) =	\$3.83			
Escalation Rate =	1.69%	25) Incentive/Participant =	#DIV/0!	
10) Non Gas Fuel Enviro. Damage Factor (\$/Unit)	\$0.02536	26) Environmental Compliance (% or \$/Dth)	1.40%	
Escalation Rate =	1.69%			
		27) Market Price Effects (% or \$/Dth)	0.00	
11) Participant Discount Rate =	3.02%			
		28) Other Environmental	0.00	
12) CIP Utility Discount Rate =	5.79%			
		29) Economic and Jobs (Macroeconomic)	0.00	
13) Societal Discount Rate =	3.30%			
		30) Energy Security	0.00	
14) General Input Data Year =	2023			
		31) Energy Equity	0.00	
15a) Project Analysis Year 1 =	2024			
15b) Project Analysis Year 2 =		32) Utility Performance Incentives	\$0.00	
15c) Project Analysis Year 3 =				
		33) Credit and Collection Costs	0.00	
		34) Risk	0.00	
		35) Reliability	0.00	
		36) Resilience	0.00	
Cost Summary		Test Results	Triennial NPV	Triennial B/C
Utility Cost per Participant =	#DIV/0!	Ratepayer Impact Measure Test	\$0	#DIV/0!
Cost per Participant per Dth =	#DIV/0!	Utility Cost Test	\$0	#DIV/0!
Lifetime Energy Reduction (Dth)	0	Societal Test	\$0	#DIV/0!
Societal Cost per Dth	#DIV/0!	Participant Test	\$0	#DIV/0!
		Minnesota Test	\$0	#DIV/0!

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

Input Data		2024		
1) Retail Rate (\$/Dth) =	\$10.02	16 Utility Project Costs		
Escalation Rate =	2.61%	16 a) Administrative & Operating Costs =	\$96,582.00	
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 b) Incentive Costs =	\$153,885.00	
Escalation Rate =	1.63%	16 c) Total Utility Project Costs =	\$250,467.00	
Non-Gas Fuel Units (e.g.. kWh,Gallons, etc.) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$11,862.00	
3) Commodity Cost (\$/Dth) =	\$3.25	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	1.69%	
4) Demand Cost (\$/Dth/Yr) =	\$242.80	19) Participant Non-Energy Savings (Annual \$/Part)	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	2.61%	
5) Peak Reduction Factor =	0.08%	20) Project Life (Years) =	15.00	
6) Variable O&M (\$/Dth) =	\$0.0530	21) Avg. Dth/Part. Saved =	278.20	
Escalation Rate =	2.61%	22) Avg Non-Gas Fuel Units/Part. Saved =	116 kWh	
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.04414	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh	
Escalation Rate =	1.63%	23) Number of Participants =	56	
8) Non-Gas Fuel Loss Factor	7.70%	24) Total Annual Dth Saved =	15,578	
9) Gas Environmental Damage Factor (\$/Dth) =	\$3.83	25) Incentive/Participant =	\$2,747.95	
Escalation Rate =	1.69%	26) Environmental Compliance (% or \$/Dth)	1.40%	
10) Non Gas Fuel Enviro. Damage Factor (\$/Unit)	\$0.02536	27) Market Price Effects (% or \$/Dth)	0.00	
Escalation Rate =	1.69%	28) Other Environmental	0.00	
11) Participant Discount Rate =	3.02%	29) Economic and Jobs (Macroeconomic)	0.00	
12) CIP Utility Discount Rate =	5.79%	30) Energy Security	0.00	
13) Societal Discount Rate =	3.30%	31) Energy Equity	0.00	
14) General Input Data Year =	2023	32) Utility Performance Incentives	\$0.00	
15a) Project Analysis Year 1 =	2024	33) Credit and Collection Costs	0.00	
15b) Project Analysis Year 2 =		34) Risk	0.00	
15c) Project Analysis Year 3 =		35) Reliability	0.00	
		36) Resilience	0.00	
Cost Summary		Test Results		
Utility Cost per Participant =	\$4,472.63	Ratepayer Impact Measure Test	Triennial NPV	Triennial B/C
Cost per Participant per Dth =	\$58.72	Utility Cost Test		
Lifetime Energy Reduction (Dth)	233,670	Societal Test		
Societal Cost per Dth	\$3.26	Participant Test		
		Minnesota Test		

Company: **Great Plains Natural Gas Co.**
 Project: **Total Commercial and Industrial Space Heating Equipment Program**

Input Data		2024		
1) Retail Rate (\$/Dth) =	\$9.47	16 Utility Project Costs		
Escalation Rate =	2.61%	16 a) Administrative & Operating Costs =	\$19,851.00	
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 b) Incentive Costs =	\$31,629.00	
Escalation Rate =	1.63%	16 c) Total Utility Project Costs =	\$51,480.00	
Non-Gas Fuel Units (e.g.. kWh,Gallons, etc.) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$2,130.00	
3) Commodity Cost (\$/Dth) =	\$3.25	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	1.69%	
4) Demand Cost (\$/Dth/Yr) =	\$242.80	19) Participant Non-Energy Savings (Annual \$/Part)	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	2.61%	
5) Peak Reduction Factor =	1.00%	20) Project Life (Years) =	20.00	
6) Variable O&M (\$/Dth) =	\$0.0530	21) Avg. Dth/Part. Saved =	73.00	
Escalation Rate =	2.61%	22) Avg Non-Gas Fuel Units/Part. Saved =	0 kWh	
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.04414	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh	
Escalation Rate =	1.63%	23) Number of Participants =	30	
8) Non-Gas Fuel Loss Factor	7.70%	24) Total Annual Dth Saved =	2,190	
9) Gas Environmental Damage Factor (\$/Dth) =	\$3.83	25) Incentive/Participant =	\$1,054.30	
Escalation Rate =	1.69%	26) Environmental Compliance (% or \$/Dth)	1.40%	
10) Non Gas Fuel Enviro. Damage Factor (\$/Unit)	\$0.02536	27) Market Price Effects (% or \$/Dth)	0.00	
Escalation Rate =	1.69%	28) Other Environmental	0.00	
11) Participant Discount Rate =	5.79%	29) Economic and Jobs (Macroeconomic)	0.00	
12) CIP Utility Discount Rate =	5.79%	30) Energy Security	0.00	
13) Societal Discount Rate =	3.30%	31) Energy Equity	0.00	
14) General Input Data Year =	2023	32) Utility Performance Incentives	\$0.00	
15a) Project Analysis Year 1 =	2024	33) Credit and Collection Costs	0.00	
15b) Project Analysis Year 2 =		34) Risk	0.00	
15c) Project Analysis Year 3 =		35) Reliability	0.00	
		36) Resilience	0.00	
Cost Summary		Test Results		
Utility Cost per Participant =	\$1,716.00	Ratepayer Impact Measure Test	Triennial NPV	Triennial B/C
Cost per Participant per Dth =	\$52.68	Utility Cost Test		
Lifetime Energy Reduction (Dth)	43,800	Societal Test		
Societal Cost per Dth	\$1.91	Participant Test		
		Minnesota Test		

Company: **Great Plains Natural Gas Co.**Project: **Market Rate Multi-Family
Building Efficiency Program**

Input Data		2024		
1) Retail Rate (\$/Dth) =	\$9.47	16 Utility Project Costs		
Escalation Rate =	2.61%	16 a) Administrative & Operating Costs =	\$0.00	
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 b) Incentive Costs =	\$0.00	
Escalation Rate =	1.63%	16 c) Total Utility Project Costs =	\$0.00	
Non-Gas Fuel Units (e.g.. kWh,Gallons, etc.) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$4,500.00	
3) Commodity Cost (\$/Dth) =	\$3.25	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	1.69%	
4) Demand Cost (\$/Dth/Yr) =	\$242.80	19) Participant Non-Energy Savings (Annual \$/Part)	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	2.61%	
5) Peak Reduction Factor =	1.00%	20) Project Life (Years) =	11.00	
6) Variable O&M (\$/Dth) =	\$0.0530	21) Avg. Dth/Part. Saved =	100.00	
Escalation Rate =	2.61%	22) Avg Non-Gas Fuel Units/Part. Saved =	0 kWh	
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.04414	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh	
Escalation Rate =	1.63%	23) Number of Participants =	-	
8) Non-Gas Fuel Loss Factor	7.70%	24) Total Annual Dth Saved =	0	
9) Gas Environmental Damage Factor (\$/Dth) =	\$3.83	25) Incentive/Participant =	#DIV/0!	
Escalation Rate =	1.69%	26) Environmental Compliance (% or \$/Dth)	1.40%	
10) Non Gas Fuel Enviro. Damage Factor (\$/Unit)	\$0.02536	27) Market Price Effects (% or \$/Dth)	0.00	
Escalation Rate =	1.69%	28) Other Environmental	0.00	
11) Participant Discount Rate =	5.79%	29) Economic and Jobs (Macroeconomic)	0.00	
12) CIP Utility Discount Rate =	5.79%	30) Energy Security	0.00	
13) Societal Discount Rate =	3.30%	31) Energy Equity	0.00	
14) General Input Data Year =	2023	32) Utility Performance Incentives	\$0.00	
15a) Project Analysis Year 1 =	2024	33) Credit and Collection Costs	0.00	
15b) Project Analysis Year 2 =		34) Risk	0.00	
15c) Project Analysis Year 3 =		35) Reliability	0.00	
		36) Resilience	0.00	
Cost Summary		Test Results	Triennial NPV	Triennial B/C
Utility Cost per Participant =	#DIV/0!	Ratepayer Impact Measure Test	\$0	#DIV/0!
Cost per Participant per Dth =	#DIV/0!	Utility Cost Test	\$0	#DIV/0!
Lifetime Energy Reduction (Dth)	0	Societal Test	\$0	#DIV/0!
Societal Cost per Dth	#DIV/0!	Participant Test	\$0	#DIV/0!
		Minnesota Test	\$0	#DIV/0!

Company: **Great Plains Natural Gas Co.**
 Project: **Total Commercial and Industrial Water Heating Equipment Program**

Input Data		2024		
1) Retail Rate (\$/Dth) =	\$9.47	16 Utility Project Costs		
Escalation Rate =	2.61%	16 a) Administrative & Operating Costs =	\$1,180.00	
		16 b) Incentive Costs =	\$1,880.00	
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 c) Total Utility Project Costs =	\$3,060.00	
Escalation Rate =	1.63%			
Non-Gas Fuel Units (e.g.. kWh,Gallons, etc.) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$1,350.00	
3) Commodity Cost (\$/Dth) =	\$3.25	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	1.69%	
4) Demand Cost (\$/Dth/Yr) =	\$242.80	19) Participant Non-Energy Savings (Annual \$/Part)	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	2.61%	
5) Peak Reduction Factor =	1.00%	20) Project Life (Years) =	20.00	
6) Variable O&M (\$/Dth) =	\$0.0530	21) Avg. Dth/Part. Saved =	185.00	
Escalation Rate =	2.61%			
		22) Avg Non-Gas Fuel Units/Part. Saved =	0 kWh	
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.04414	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh	
Escalation Rate =	1.63%			
		23) Number of Participants =	4	
8) Non-Gas Fuel Loss Factor	7.70%			
		24) Total Annual Dth Saved =	740	
9) Gas Environmental Damage Factor (\$/Dth) =	\$3.83			
Escalation Rate =	1.69%	25) Incentive/Participant =	\$470.00	
10) Non Gas Fuel Enviro. Damage Factor (\$/Unit)	\$0.02536	26) Environmental Compliance (% or \$/Dth)	1.40%	
Escalation Rate =	1.69%			
		27) Market Price Effects (% or \$/Dth)	0.00	
11) Participant Discount Rate =	5.79%			
		28) Other Environmental	0.00	
12) CIP Utility Discount Rate =	5.79%			
		29) Economic and Jobs (Macroeconomic)	0.00	
13) Societal Discount Rate =	3.30%			
		30) Energy Security	0.00	
14) General Input Data Year =	2023			
		31) Energy Equity	0.00	
15a) Project Analysis Year 1 =	2024			
15b) Project Analysis Year 2 =		32) Utility Performance Incentives	\$0.00	
15c) Project Analysis Year 3 =				
		33) Credit and Collection Costs	0.00	
		34) Risk	0.00	
		35) Reliability	0.00	
		36) Resilience	0.00	
Cost Summary		Test Results	Triennial NPV	Triennial B/C
Utility Cost per Participant =	\$765.00	Ratepayer Impact Measure Test	(\$45,000)	0.59
Cost per Participant per Dth =	\$11.43	Utility Cost Test	\$62,534	21.44
Lifetime Energy Reduction (Dth)	14,800	Societal Test	\$125,040	20.00
Societal Cost per Dth	\$0.44	Participant Test	\$104,014	20.26
		Minnesota Test	\$128,560	43.01

Company: **Great Plains Natural Gas Co.**
 Project: **Total Commercial and Industrial
 Boiler Equipment Program**

Input Data		2024		
1) Retail Rate (\$/Dth) =	\$9.47	16 Utility Project Costs		
Escalation Rate =	2.61%	16 a) Administrative & Operating Costs =	\$3,974.00	
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 b) Incentive Costs =	\$6,331.00	
Escalation Rate =	1.63%	16 c) Total Utility Project Costs =	\$10,305.00	
Non-Gas Fuel Units (e.g.. kWh,Gallons, etc.) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$4,209.00	
3) Commodity Cost (\$/Dth) =	\$3.25	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	1.69%	
4) Demand Cost (\$/Dth/Yr) =	\$242.80	19) Participant Non-Energy Savings (Annual \$/Part)	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	2.61%	
5) Peak Reduction Factor =	1.00%	20) Project Life (Years) =	4.00	
6) Variable O&M (\$/Dth) =	\$0.0530	21) Avg. Dth/Part. Saved =	140.40	
Escalation Rate =	2.61%	22) Avg Non-Gas Fuel Units/Part. Saved =	0 kWh	
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.04414	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh	
Escalation Rate =	1.63%	23) Number of Participants =	10	
8) Non-Gas Fuel Loss Factor	7.70%	24) Total Annual Dth Saved =	1,404	
9) Gas Environmental Damage Factor (\$/Dth) =	\$3.83	25) Incentive/Participant =	\$633.10	
Escalation Rate =	1.69%	26) Environmental Compliance (% or \$/Dth)	1.40%	
10) Non Gas Fuel Enviro. Damage Factor (\$/Unit)	\$0.02536	27) Market Price Effects (% or \$/Dth)	0.00	
Escalation Rate =	1.69%	28) Other Environmental	0.00	
11) Participant Discount Rate =	5.79%	29) Economic and Jobs (Macroeconomic)	0.00	
12) CIP Utility Discount Rate =	5.79%	30) Energy Security	0.00	
13) Societal Discount Rate =	3.30%	31) Energy Equity	0.00	
14) General Input Data Year =	2023	32) Utility Performance Incentives	\$0.00	
15a) Project Analysis Year 1 =	2024	33) Credit and Collection Costs	0.00	
15b) Project Analysis Year 2 =		34) Risk	0.00	
15c) Project Analysis Year 3 =		35) Reliability	0.00	
		36) Resilience	0.00	
Cost Summary		Test Results		
Utility Cost per Participant =	\$1,030.50	Ratepayer Impact Measure Test	Triennial NPV	Triennial B/C
Cost per Participant per Dth =	\$37.32	Utility Cost Test		
Lifetime Energy Reduction (Dth)	5,616	Societal Test		
Societal Cost per Dth	\$8.20	Participant Test		
		Minnesota Test		

Company: **Great Plains Natural Gas Co.**
 Project: **Total Commercial and Industrial
 Foodservice Equipment Program**

Input Data		2024		
1) Retail Rate (\$/Dth) =	\$9.47	16 Utility Project Costs		
Escalation Rate =	2.61%	16 a) Administrative & Operating Costs =	\$4,079.00	
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 b) Incentive Costs =	\$6,500.00	
Escalation Rate =	1.63%	16 c) Total Utility Project Costs =	\$10,579.00	
Non-Gas Fuel Units (e.g.. kWh,Gallons, etc.) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$1,839.00	
3) Commodity Cost (\$/Dth) =	\$3.25	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	1.69%	
4) Demand Cost (\$/Dth/Yr) =	\$242.80	19) Participant Non-Energy Savings (Annual \$/Part)	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	2.61%	
5) Peak Reduction Factor =	1.00%	20) Project Life (Years) =	9.00	
6) Variable O&M (\$/Dth) =	\$0.0530	21) Avg. Dth/Part. Saved =	70.00	
Escalation Rate =	2.61%	22) Avg Non-Gas Fuel Units/Part. Saved =	924 kWh	
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.04414	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh	
Escalation Rate =	1.63%	23) Number of Participants =	7	
8) Non-Gas Fuel Loss Factor	7.70%	24) Total Annual Dth Saved =	490	
9) Gas Environmental Damage Factor (\$/Dth) =	\$3.83	25) Incentive/Participant =	\$928.57	
Escalation Rate =	1.69%	26) Environmental Compliance (% or \$/Dth)	1.40%	
10) Non Gas Fuel Enviro. Damage Factor (\$/Unit)	\$0.02536	27) Market Price Effects (% or \$/Dth)	0.00	
Escalation Rate =	1.69%	28) Other Environmental	0.00	
11) Participant Discount Rate =	5.79%	29) Economic and Jobs (Macroeconomic)	0.00	
12) CIP Utility Discount Rate =	5.79%	30) Energy Security	0.00	
13) Societal Discount Rate =	3.30%	31) Energy Equity	0.00	
14) General Input Data Year =	2023	32) Utility Performance Incentives	\$0.00	
15a) Project Analysis Year 1 =	2024	33) Credit and Collection Costs	0.00	
15b) Project Analysis Year 2 =		34) Risk	0.00	
15c) Project Analysis Year 3 =		35) Reliability	0.00	
		36) Resilience	0.00	
Cost Summary		Test Results		
Utility Cost per Participant =	\$1,511.29	Ratepayer Impact Measure Test	Triennial NPV	Triennial B/C
Cost per Participant per Dth =	\$47.86	Utility Cost Test		
Lifetime Energy Reduction (Dth)	4,410	Societal Test		
Societal Cost per Dth	\$3.84	Participant Test		
		Minnesota Test		

Company: **Great Plains Natural Gas Co.**
 Project: **Commercial and Industrial Custom Program**

Input Data		2024		
1) Retail Rate (\$/Dth) =	\$9.47	16 Utility Project Costs		
Escalation Rate =	2.61%	16 a) Administrative & Operating Costs =	\$67,498.00	
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 b) Incentive Costs =	\$107,545.00	
Escalation Rate =	1.63%	16 c) Total Utility Project Costs =	\$175,043.00	
Non-Gas Fuel Units (e.g.. kWh,Gallons, etc.) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$108,000.00	
3) Commodity Cost (\$/Dth) =	\$3.25	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	1.69%	
4) Demand Cost (\$/Dth/Yr) =	\$242.80	19) Participant Non-Energy Savings (Annual \$/Part)	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	2.61%	
5) Peak Reduction Factor =	0.00%	20) Project Life (Years) =	15.00	
6) Variable O&M (\$/Dth) =	\$0.0530	21) Avg. Dth/Part. Saved =	2,150.80	
Escalation Rate =	2.61%	22) Avg Non-Gas Fuel Units/Part. Saved =	0 kWh	
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.04414	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh	
Escalation Rate =	1.63%	23) Number of Participants =	5	
8) Non-Gas Fuel Loss Factor	7.70%	24) Total Annual Dth Saved =	10,754	
9) Gas Environmental Damage Factor (\$/Dth) =	\$3.83	25) Incentive/Participant =	\$21,509.00	
Escalation Rate =	1.69%	26) Environmental Compliance (% or \$/Dth)	1.40%	
10) Non Gas Fuel Enviro. Damage Factor (\$/Unit)	\$0.02536	27) Market Price Effects (% or \$/Dth)	0.00	
Escalation Rate =	1.69%	28) Other Environmental	0.00	
11) Participant Discount Rate =	5.79%	29) Economic and Jobs (Macroeconomic)	0.00	
12) CIP Utility Discount Rate =	5.79%	30) Energy Security	0.00	
13) Societal Discount Rate =	3.30%	31) Energy Equity	0.00	
14) General Input Data Year =	2023	32) Utility Performance Incentives	\$0.00	
15a) Project Analysis Year 1 =	2024	33) Credit and Collection Costs	0.00	
15b) Project Analysis Year 2 =		34) Risk	0.00	
15c) Project Analysis Year 3 =		35) Reliability	0.00	
		36) Resilience	0.00	
Cost Summary		Test Results		
Utility Cost per Participant =	\$35,008.60	Ratepayer Impact Measure Test	Triennial NPV	Triennial B/C
Cost per Participant per Dth =	\$66.49	Utility Cost Test		
Lifetime Energy Reduction (Dth)	161,310	Societal Test		
Societal Cost per Dth	\$3.77	Participant Test		
		Minnesota Test		

Company: **Great Plains Natural Gas Co.**Project: **Building Certification
Program**

Input Data		2024		
1) Retail Rate (\$/Dth) =	\$9.47	16 Utility Project Costs		
Escalation Rate =	2.61%	16 a) Administrative & Operating Costs =	\$0.00	
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 b) Incentive Costs =	\$0.00	
Escalation Rate =	1.63%	16 c) Total Utility Project Costs =	\$0.00	
Non-Gas Fuel Units (e.g.. kWh,Gallons, etc.) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$8,000.00	
3) Commodity Cost (\$/Dth) =	\$3.25	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	1.69%	
4) Demand Cost (\$/Dth/Yr) =	\$242.80	19) Participant Non-Energy Savings (Annual \$/Part)	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	2.61%	
5) Peak Reduction Factor =	1.00%	20) Project Life (Years) =	-	
6) Variable O&M (\$/Dth) =	\$0.0530	21) Avg. Dth/Part. Saved =	-	
Escalation Rate =	2.61%	22) Avg Non-Gas Fuel Units/Part. Saved =	0 kWh	
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.04414	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh	
Escalation Rate =	1.63%	23) Number of Participants =	-	
8) Non-Gas Fuel Loss Factor	7.70%	24) Total Annual Dth Saved =	0	
9) Gas Environmental Damage Factor (\$/Dth) =	\$3.83	25) Incentive/Participant =	#DIV/0!	
Escalation Rate =	1.69%	26) Environmental Compliance (% or \$/Dth)	1.40%	
10) Non Gas Fuel Enviro. Damage Factor (\$/Unit)	\$0.02536	27) Market Price Effects (% or \$/Dth)	0.00	
Escalation Rate =	1.69%	28) Other Environmental	0.00	
11) Participant Discount Rate =	5.79%	29) Economic and Jobs (Macroeconomic)	0.00	
12) CIP Utility Discount Rate =	5.79%	30) Energy Security	0.00	
13) Societal Discount Rate =	3.30%	31) Energy Equity	0.00	
14) General Input Data Year =	2023	32) Utility Performance Incentives	\$0.00	
15a) Project Analysis Year 1 =	2024	33) Credit and Collection Costs	0.00	
15b) Project Analysis Year 2 =		34) Risk	0.00	
15c) Project Analysis Year 3 =		35) Reliability	0.00	
		36) Resilience	0.00	
Cost Summary		Test Results	Triennial NPV	Triennial B/C
Utility Cost per Participant =	#DIV/0!	Ratepayer Impact Measure Test	\$0	#DIV/0!
Cost per Participant per Dth =	#DIV/0!	Utility Cost Test	\$0	#DIV/0!
Lifetime Energy Reduction (Dth)	0	Societal Test	\$0	#DIV/0!
Societal Cost per Dth	#DIV/0!	Participant Test	\$0	#DIV/0!
		Minnesota Test	\$0	#DIV/0!

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

Input Data		2024		
1) Retail Rate (\$/Dth) =	\$9.47	16 Utility Project Costs		
Escalation Rate =	2.61%	16 a) Administrative & Operating Costs =	\$0.00	
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 b) Incentive Costs =	\$0.00	
Escalation Rate =	1.63%	16 c) Total Utility Project Costs =	\$0.00	
Non-Gas Fuel Units (e.g.. kWh,Gallons, etc.) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$1,100.00	
3) Commodity Cost (\$/Dth) =	\$3.25	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	1.69%	
4) Demand Cost (\$/Dth/Yr) =	\$242.80	19) Participant Non-Energy Savings (Annual \$/Part)	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	2.61%	
5) Peak Reduction Factor =	1.00%	20) Project Life (Years) =	-	
6) Variable O&M (\$/Dth) =	\$0.0530	21) Avg. Dth/Part. Saved =	-	
Escalation Rate =	2.61%	22) Avg Non-Gas Fuel Units/Part. Saved =	0 kWh	
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.04414	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh	
Escalation Rate =	1.63%	23) Number of Participants =	-	
8) Non-Gas Fuel Loss Factor	7.70%	24) Total Annual Dth Saved =	0	
9) Gas Environmental Damage Factor (\$/Dth) =	\$3.83	25) Incentive/Participant =	#DIV/0!	
Escalation Rate =	1.69%	26) Environmental Compliance (% or \$/Dth)	1.40%	
10) Non Gas Fuel Enviro. Damage Factor (\$/Unit)	\$0.02536	27) Market Price Effects (% or \$/Dth)	0.00	
Escalation Rate =	1.69%	28) Other Environmental	0.00	
11) Participant Discount Rate =	5.79%	29) Economic and Jobs (Macroeconomic)	0.00	
12) CIP Utility Discount Rate =	5.79%	30) Energy Security	0.00	
13) Societal Discount Rate =	3.30%	31) Energy Equity	0.00	
14) General Input Data Year =	2023	32) Utility Performance Incentives	\$0.00	
15a) Project Analysis Year 1 =	2024	33) Credit and Collection Costs	0.00	
15b) Project Analysis Year 2 =		34) Risk	0.00	
15c) Project Analysis Year 3 =		35) Reliability	0.00	
		36) Resilience	0.00	
Cost Summary		Test Results	Triennial NPV	Triennial B/C
Utility Cost per Participant =	#DIV/0!	Ratepayer Impact Measure Test	\$0	#DIV/0!
Cost per Participant per Dth =	#DIV/0!	Utility Cost Test	\$0	#DIV/0!
Lifetime Energy Reduction (Dth)	0	Societal Test	\$0	#DIV/0!
Societal Cost per Dth	#DIV/0!	Participant Test	\$0	#DIV/0!
		Minnesota Test	\$0	#DIV/0!

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

Input Data		2024		
1) Retail Rate (\$/Dth) =	\$9.47	16 Utility Project Costs		
Escalation Rate =	2.61%	16 a) Administrative & Operating Costs =	\$0.00	
2) Non-Gas Fuel Retail Rate (\$/Fuel Unit) =	\$0.000	16 b) Incentive Costs =	\$0.00	
Escalation Rate =	1.63%	16 c) Total Utility Project Costs =	\$0.00	
Non-Gas Fuel Units (e.g.. kWh,Gallons, etc.) =	kWh	17) Direct Participant Costs (\$/Part.) =	\$3,400.00	
3) Commodity Cost (\$/Dth) =	\$3.25	18) Participant Non-Energy Costs (Annual \$/Part.) =	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	1.69%	
4) Demand Cost (\$/Dth/Yr) =	\$242.80	19) Participant Non-Energy Savings (Annual \$/Part)	\$0.00	
Escalation Rate =	2.61%	Escalation Rate =	2.61%	
5) Peak Reduction Factor =	1.00%	20) Project Life (Years) =	-	
6) Variable O&M (\$/Dth) =	\$0.0530	21) Avg. Dth/Part. Saved =	-	
Escalation Rate =	2.61%	22) Avg Non-Gas Fuel Units/Part. Saved =	0 kWh	
7) Non-Gas Fuel Cost (\$/Fuel Unit) =	\$0.04414	22a) Avg Additional Non-Gas Fuel Units/ Part. Used	0 kWh	
Escalation Rate =	1.63%	23) Number of Participants =	-	
8) Non-Gas Fuel Loss Factor	7.70%	24) Total Annual Dth Saved =	0	
9) Gas Environmental Damage Factor (\$/Dth) =	\$3.83	25) Incentive/Participant =	#DIV/0!	
Escalation Rate =	1.69%	26) Environmental Compliance (% or \$/Dth)	1.40%	
10) Non Gas Fuel Enviro. Damage Factor (\$/Unit)	\$0.02536	27) Market Price Effects (% or \$/Dth)	0.00	
Escalation Rate =	1.69%	28) Other Environmental	0.00	
11) Participant Discount Rate =	5.79%	29) Economic and Jobs (Macroeconomic)	0.00	
12) CIP Utility Discount Rate =	5.79%	30) Energy Security	0.00	
13) Societal Discount Rate =	3.30%	31) Energy Equity	0.00	
14) General Input Data Year =	2023	32) Utility Performance Incentives	\$0.00	
15a) Project Analysis Year 1 =	2024	33) Credit and Collection Costs	0.00	
15b) Project Analysis Year 2 =		34) Risk	0.00	
15c) Project Analysis Year 3 =		35) Reliability	0.00	
		36) Resilience	0.00	
Cost Summary		Test Results	Triennial NPV	Triennial B/C
Utility Cost per Participant =	#DIV/0!	Ratepayer Impact Measure Test	\$0	#DIV/0!
Cost per Participant per Dth =	#DIV/0!	Utility Cost Test	\$0	#DIV/0!
Lifetime Energy Reduction (Dth)	0	Societal Test	\$0	#DIV/0!
Societal Cost per Dth	#DIV/0!	Participant Test	\$0	#DIV/0!
		Minnesota Test	\$0	#DIV/0!

**GREAT PLAINS NATURAL GAS CO.
GAS UTILITY - MINNESOTA
CONSERVATION COST RECOVERY ADJUSTMENT
ECO RATE TRUE-UP FILING
DOCKET NO. G004/ECO-25-__**

	Projected Dk 1/	Volumetric Allocation	Total Under/(Over) Recovery	Proposed CCRA	Current CCRA 2/	Change
Residential	1,473,860	23.6555%	\$136,117	\$0.0924	\$0.0202	\$0.0722
Firm General	1,331,515	21.3709%	122,971	0.0924	0.0202	0.0722
Grain Drying	110,284	1.7701%	10,185	0.0924	0.0202	0.0722
Interruptible	634,404	10.1822%	58,590	0.0924	0.0202	0.0722
Transportation	2,680,454	43.0213%	247,552	0.0924	0.0202	0.0722
Total	<u>6,230,517</u>	<u>100.0000%</u>	<u>\$575,415</u>			

Rate change for the average residential customer using 77.1 Dk per year.

	Dk 3/	CCRC	CCRA	Total	Total CIP Cost
Current Rate	77.1	\$0.0818 4/	\$0.0202 2/	\$0.1020	\$7.86
Proposed Rate	77.1	0.0818	0.0924	0.1742	13.43
Change		\$0.0000	\$0.0722	\$0.0722	

The average residential customer will pay an annual ECO cost of \$13.43 per year.

1/ Docket No. G004/M-12-439 designates using projected Dk throughput for the period in which the CCRA is proposed to be in effect. The proposed time period is 12 months running from September 2025 through August 2026.

2/ Authorized in Docket No. G004/M-24-44, effective December 1, 2024.

3/ Reflects average normalized 2024 residential Dk per customer.

4/ Authorized in Docket No. G004/GR-19-511, effective April 1, 2021.

**GREAT PLAINS NATURAL GAS CO.
GAS UTILITY - MINNESOTA
CONSERVATION COST RECOVERY ADJUSTMENT
CCRA FILING AND DEMAND INCENTIVE**

	<u>Beginning Balance</u>	<u>Expenses</u>	<u>Carrying Charges</u>	<u>Billed Recovery</u>	<u>Net Activity</u>	<u>Ending Balance</u>
<u>2024 Activity</u>						
Actuals: January - December	(\$401,172)	\$957,775	(\$13,943)	\$438,132	\$505,700	\$104,528
<u>2025 Activity</u>						
Actuals: January - March	\$104,528	\$176,214	\$468	\$274,253	(\$97,571)	
Projected: April - August		191,098	76	140,042	51,132	
	<u>\$104,528</u>	<u>\$367,312</u>	<u>\$544</u>	<u>\$414,295</u>	<u>(\$46,439)</u>	\$58,089
<u>2026 Activity</u>						
Projected: September 2025 - August 2026	\$58,089	\$1,022,899	\$4,082	\$509,655 1/	\$517,326	\$575,415
Projected Balance September 1, 2026	<u>\$104,528</u>	<u>\$1,390,211</u>	<u>\$4,626</u>	<u>\$923,950</u>	<u>\$470,887</u>	<u>\$575,415</u>
Total projected Under/(Over) Recovery to be recovered through CCRA from September 2025 - August 2026						<u>\$575,415</u>

1/ Projected CCRC recovery from September 2025 through August 2026.

**GREAT PLAINS NATURAL GAS CO.
GAS UTILITY - MINNESOTA
CONSERVATION COST RECOVERY ADJUSTMENT
SUMMARY OF BALANCE
2025-2026**

	Beginning Balance	Carrying Charge 1/	Current Month Expense	Billed Recovery			Ending Balance
				CCRC 2/	CCRA 2/	Total	
Balance at December 31, 2024							\$104,528
January 2025	\$104,528	\$322	\$42,979	\$75,524	\$18,252	\$93,776	\$54,053
February	54,053	166	35,402	77,034	19,022	96,056	(6,435)
March	(6,435)	(20)	97,833	67,702	16,719	84,421	6,957
Total		<u>\$468</u>	<u>\$176,214</u>	<u>\$220,260</u>	<u>\$53,993</u>	<u>\$274,253</u>	
Estimate							
April 2025	\$6,957	\$21	\$32,357	\$41,718	\$10,302	\$52,020	(\$12,685)
May	(12,685)	(39)	33,624	23,320	5,759	29,079	(8,179)
June	(8,179)	(25)	30,582	15,378	3,797	19,175	3,203
July	3,203	10	50,858	15,017	3,708	18,725	35,346
August	35,346	109	43,677	16,876	4,167	21,043	58,089
Total		<u>\$76</u>	<u>\$191,098</u>	<u>\$112,309</u>	<u>\$27,733</u>	<u>\$140,042</u>	
Estimate							
September 2025	\$58,089	\$179	\$45,029	\$24,758	\$27,966	\$52,724	\$50,573
October	50,573	156	354,909	40,130	45,331	85,461	320,177
November	320,177	986	142,606	54,692	61,779	116,471	347,298
December	347,298	1,070	111,178	70,814	79,991	150,805	308,741
January 2026	308,741	951	43,209	78,460	88,627	167,087	185,814
February	185,814	572	35,512	67,905	76,705	144,610	77,288
March	77,288	238	98,324	60,483	68,320	128,803	47,047
April	47,047	145	32,535	41,769	47,182	88,951	(9,224)
May	(9,224)	(28)	33,767	23,340	26,364	49,704	(25,189)
June	(25,189)	(78)	30,790	15,389	17,383	32,772	(27,249)
July	(27,249)	(84)	51,112	15,028	16,976	32,004	(8,225)
August	(8,225)	(25)	43,928	16,887	19,076	35,963	(285)
Total		<u>\$4,082</u>	<u>\$1,022,899</u>	<u>\$509,655</u>	<u>\$575,700</u>	<u>\$1,085,355</u>	

1/ Reflects the cost of short-term debt of 3.693% authorized in Docket No. G004/GR-19-511.

2/ Rates effective with service rendered on and after:

<u>Effective December 1, 2024</u>	CCRC Docket No. G004/GR-19-511 \$0.0818	CCRA Docket No. G-004/M-24-44 \$0.0202
<u>Proposed Rates: September 1, 2025</u>	CCRC Docket No. G004/GR-19-511 \$0.0818	CCRA Docket No. G-004/M-25-____ \$0.0924

**GREAT PLAINS NATURAL GAS CO.
GAS UTILITY - MINNESOTA
CONSERVATION COST RECOVERY ADJUSTMENT
SUMMARY OF BALANCE
2024**

	Beginning Balance	Carrying Charge 1/	Current Month Expense	Billed Recovery			Ending Balance
				CCRC 2/	CCRA 2/	Total	
Balance at December 31, 2023							(\$401,172)
January 2024	(\$401,172)	(\$1,235)	\$30,428	\$65,188	(\$7,649)	\$57,539	(\$429,518)
February	(429,518)	(1,322)	34,450	65,766	(7,718)	58,048	(454,438)
March	(454,438)	(1,399)	28,351	56,809	(6,666)	50,143	(477,629)
April	(477,629)	(1,470)	33,150	57,903	(6,795)	51,108	(497,057)
May	(497,057)	(1,530)	34,401	36,041	(4,227)	31,814	(496,000)
June	(496,000)	(1,526)	31,321	21,479	(2,511)	18,968	(485,173)
July	(485,173)	(1,493)	52,033	23,506	(2,754)	20,752	(455,385)
August	(455,385)	(1,401)	44,728	13,710	(1,605)	12,105	(424,163)
September	(424,163)	(1,305)	46,056	20,601	(2,413)	18,188	(397,600)
October	(397,600)	(1,224)	363,174 3/	28,860	(3,379)	25,481	(61,131)
November	(61,131)	(188)	145,930	40,683	(4,771)	35,912	48,699
December	48,699	150	113,753	60,726	(2,652)	58,074	104,528
		(\$13,943)	\$957,775	\$491,272	(\$53,140)	\$438,132	
Balance at December 31, 2024							<u>\$104,528</u>

1/ Effective April 1, 2021, authorized in Docket No. G004/GR-19-511, reflects the cost of short-term debt of 3.693%.

2/ Rates effective with service rendered on and after:

<u>Effective October 1, 2023</u>	CCRC Docket No. G004/GR-19-511 \$0.0818	CCRA Docket No. G004/M-23-186 (\$0.0096)
<u>Effective December 1, 2024</u>	CCRC Docket No. G004/GR-19-511 \$0.0818	CCRA Docket No. G004/M-24-44 \$0.0202

3/ Includes 2023 DSM incentive amount of \$278,241 authorized by Commission Order in Docket No. G004/M-24-44 on November 8, 2024.

GREAT PLAINS NATURAL GAS CO. PERFORMANCE INCENTIVE MODEL

Inputs	
3-year Weather-Normalized Sales Average (Dth)	5,819,172
1.0% Energy Savings	58,192
Size of steps in Energy Savings	5,819
Approved ECO Budget	\$1,014,719
Approved ECO Energy Goal	58,420
Estimated Net Benefits at Approved Goal	\$3,308,221
Energy savings at 1.5%	87,288

Incentive Calibration	
Maximum Percent of Benefits Awarded	10.00%
Earning Threshold	0.70%
Maximum Achievement Level	1.20%
Increment	7.5 % Points

Estimated Incentive Levels

Achievement Level (% of sales)	Energy Saved	Percent of Benefits Awarded	Estimated Benefits Achieved	Incentive Award	Average Incentive per unit Saved	Incremental Incentive Units Saved
0.0%	0	0.00%	\$0	\$0	\$0.00	-
0.1%	5,819	0.00%	\$329,529	\$0	\$0.00	\$0.00
0.2%	11,638	0.00%	\$659,059	\$0	\$0.00	\$0.00
0.3%	17,458	0.00%	\$988,588	\$0	\$0.00	\$0.00
0.4%	23,277	0.00%	\$1,318,118	\$0	\$0.00	\$0.00
0.5%	29,096	0.00%	\$1,647,647	\$0	\$0.00	\$0.00
0.6%	34,915	0.00%	\$1,977,176	\$0	\$0.00	\$0.00
0.7%	40,734	6.25%	\$2,306,706	\$144,169	\$3.54	\$24.77
0.8%	46,553	7.00%	\$2,636,235	\$184,536	\$3.96	\$6.94
0.9%	52,373	7.75%	\$2,965,765	\$229,847	\$4.39	\$7.79
1.0%	58,192	8.50%	\$3,295,294	\$280,100	\$4.81	\$8.64
1.1%	64,011	9.25%	\$3,624,823	\$335,296	\$5.24	\$9.49
1.2%	69,830	10.00%	\$3,954,353	\$395,435	\$5.66	\$10.33
1.3%	75,649	10.00%	\$4,283,882	\$428,388	\$5.66	\$5.66
1.4%	81,468	10.00%	\$4,613,411	\$461,341	\$5.66	\$5.66
1.5%	87,288	10.00%	\$4,942,941	\$494,294	\$5.66	\$5.66
1.6%	93,107	10.00%	\$5,272,470	\$527,247	\$5.66	\$5.66
1.7%	98,926	10.00%	\$5,602,000	\$560,200	\$5.66	\$5.66
1.8%	104,745	10.00%	\$5,931,529	\$593,153	\$5.66	\$5.66
1.9%	110,564	10.00%	\$6,261,058	\$626,106	\$5.66	\$5.66
2.0%	116,383	10.00%	\$6,590,588	\$659,059	\$5.66	\$5.66

2024 Great Plains

Projected Gas ECO Incentive Results	
Spending	\$678,201
Energy Saved (Dth)	21,972
Net Benefits Achieved	\$191,942
Resulting Incentive	
Achievement Level	0.38%
Percent of Net Benefits Awarded	0.0000%
Financial Incentive Award	
	\$0
Incentive/First Year Dth Saved \$	
	\$0.0000
Incentive/Net Benefits	
	0.00%
Incentive/ECO Expenditures	
	0.00%