

# UNION ELECTRIC COMPANY GAS SERVICE

Applying to MISSOURI SERVICE AREA

## MISSOURI ENERGY EFFICIENT NATURAL GAS EQUIPMENT AND BUILDING SHELL MEASURE REBATE PROGRAMS

### **APPLICATION**

The Missouri Energy Efficient Natural Gas Equipment and Building Shell Measure Rebate Programs (Program) is designed to encourage more effective utilization of natural gas by encouraging cost effective energy efficiency improvements through the replacement of less efficient natural gas equipment with high efficient ENERGY STAR® Qualified natural gas equipment and other high efficiency equipment and building shell measures.

Rebates are being offered on a limited basis for a portion of the cost of Measures purchased by Participants.

### **DEFINITIONS**

ACH - Air Changes per Hour: ACH represents how many times per hour the air volume inside the living space is naturally replaced by outside air due to air leaks. ACH measurements vary according to the "air-tightness" of the building shell.

Administrator - Company will administer the Program through a contractor experienced in energy efficiency rebate programs.

AFUE - Annual Fuel Utilization Efficiency: Energy efficiency rating measure determined, under specific testing conditions, by dividing the energy output by the energy input. It is a measure of the heat actually delivered by a furnace to the structure compared to the heat potential in amount of fuel supplied to the furnace. For example, a furnace that has a 92% AFUE rating converts 92% of the fuel supplied as heat to the structure - the other 8% is lost as exhaust. This information is available on every furnace sold in the United States.

CUSTOM REBATE - The rebate program will make available custom rebates to low income multifamily properties for the installation of any natural gas related energy efficiency improvement that does not qualify for a prescriptive rebate. The maximum allowable rebate per customer is \$25,000.

EEAG - Energy Efficiency Advisory Group: Includes representatives from the Company, the Commission Staff, Office of the Public Counsel (OPC), and the Division of Energy. The EEAG will function as an advisory group for this Program.

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**ISSUED BY** Michael Moehn President St. Louis, Missouri  
Name of Officer Title Address

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## MISSOURI ENERGY EFFICIENT NATURAL GAS EQUIPMENT AND BUILDING SHELL MEASURE REBATE PROGRAMS (cont'd)

### **DEFINITIONS (cont'd)**

ENERGY STAR® - A voluntary labeling program designed to identify and promote energy efficient products to reduce energy expenses and greenhouse gas emissions. ENERGY STAR® is a joint program of the U.S. Environmental Protection Agency and the U.S. Department of Energy.

Measure - The replacement of less efficient natural gas equipment with high efficient ENERGY STAR® Qualified natural gas equipment and other high efficiency equipment and building shell measures.

Participant - A customer who is being served under either the Company's Residential or General Service natural gas rate class, is located in Missouri, and elects to either purchase or agrees to receive energy efficient gas saving equipment as described in the Measures. For purposes of receiving rebates under this Program, a Participant is defined as a person, firm, organization, association, corporation, landlord, contractor or other entity that implements Measure(s) and submits a rebate form(s) and documentation.

Qualified Auditor - A nationally recognized contractor trained in natural gas equipment utilization systems and commercial and/or residential structures as an integrated whole building system. Residential training, certification, and accreditation are provided by the Building Performance Institute (BPI) and Residential Energy Services Network's (RESNET®). Commercial training and certification are provided by nationally-respected energy auditor certification organizations. Approved Energy Auditors are found by calling the Company at 1-800-552-7583 or on the internet at <http://www.ded.mo.gov/asp/energy/auditors.htm> or <http://www.bpi.org/locator-tool/find-a-contractor>.

Rebate Range Sheet - The list of Measures to be offered to Participants along with the minimum and maximum rebate level permitted for each Measure.

Retailer - Any retailer which has agreed to sell ENERGY STAR® Qualifying or other high efficient natural gas equipment, or provider of energy efficiency services, associated with the Measures.

### **AVAILABILITY**

The Program is voluntary. A Participant may receive rebates, for the quantities listed for each Measure, each calendar year. Rebates must be redeemed through the Administrator. High Efficiency and ENERGY STAR® Equipment availability may vary by each Participating Retailer throughout the Company's territory.

Residential rebates apply only to Residential customers, or their landlords purchasing Measures listed as Residential in the Rebate Range Sheet.

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**ISSUED BY** Michael Moehn  
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President  
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St. Louis, Missouri  
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**MISSOURI ENERGY EFFICIENT NATURAL GAS  
EQUIPMENT AND BUILDING SHELL MEASURE REBATE PROGRAMS (cont'd)**

**AVAILABILITY (cont'd)**

General Service rebates apply only to General Service customers purchasing Measures listed as Business in the Rebate Range Sheet.

Program details regarding the interaction between the Company or Program Administrators and Participants in the Program, such as available Measures, Measure ranges, availability of the Program, eligibility, and application and completion requirements may be adjusted through the change process as presented below. Those details, additional details on each Measure, and other details such as process flows, application instructions, and application forms will be provided on the Company's website [AmerenMissouri.com/naturalgas](http://AmerenMissouri.com/naturalgas), or by calling toll free 1-800-552-7583

**CHANGE PROCESS**

The change process is applicable to changes in a Measure detail regarding the interaction between the Company or Program Administrators and Participants in the Measures.

1. Identify need for Measure detail change regarding the interaction between the Company or Program Administrators and Participants in the Measures;
2. Discuss proposed change with implementer;
3. Analyze impact on Program and portfolio (Cost effectiveness, goal achievement, etc.);
4. Inform the Staff, Office of the Public Counsel, and the Missouri Department of Economic Development - Division of Energy (DE) of the proposed change, the time within which it needs to be implemented, provide them the analysis that was done and consider recommendations from them that are received within the implementation timeline (the implementation timeline shall be no less than five business days from the time that the Staff, Office of the Public counsel, and the DE are informed and provided the above-referenced analysis);
5. Take timely received recommendations into account and incorporate them where the Company believes it is appropriate to do so;
6. Notify and train customer contact personnel (Contact Center, Energy Advisors, Business Center, Key Account Executives, Customer Service Advisors) of the changes;
7. Make changes to forms and promotional materials;
8. Update Program website;
9. Provide updated web pages and, if appropriate, updated list of Measures and rebate amounts to Staff; and
10. Inform Participants, Trade Allies, etc. Company will also continue to discuss and provide information on ongoing Program and portfolio progress at quarterly regulatory stakeholder update meetings.

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### **CHANGES IN MEASURES OR REBATES**

Company may offer the Measures contained in Company's Rebate Range Sheet. The offering of Measures not contained within Company's Rebate Range Sheet must be approved by the Commission. Not all Measures listed in the Rebate Range Sheet will be offered at all times. The actual Measures being offered, and rebates available to Participants, will be listed on Company's website, [AmerenMissouri.com/naturalgas](http://AmerenMissouri.com/naturalgas). The Measures and rebates being offered are subject to change - Participants must consult [AmerenMissouri.com/naturalgas](http://AmerenMissouri.com/naturalgas) for the list of currently available Measures. The website will expressly state in conspicuous language that the Measures and rebates are subject to change.

### **REBATES**

Each Participant will receive a rebate check from the Administrator within six (6) to eight (8) weeks after the completed Rebate Form is submitted with proper documentation. Rebate Forms, applications and protocols are available on the Company's Website [AmerenMissouri.com/naturalgas](http://AmerenMissouri.com/naturalgas) or by calling Ameren Missouri at 314-342-1111 or 800-552-7583.

### **PROGRAM TERM**

The Program will conclude on December 31, 2022 or at the time new rates go into effect as a result of a general rate proceeding, whichever occurs first. All installations of Measures must occur before the conclusion date of the Program to qualify for a rebate. All rebate forms for this Program must be submitted and post-marked not later than one month after the conclusion date of the Program.

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### REBATE RANGE SHEET - RESIDENTIAL & LANDLORD MEASURES

<u>Measure</u>	<u>Max Number of Rebates</u>	<u>Minimum Rebate Level (\$/Measure)</u>	<u>Maximum Rebate Level (\$/Measure)</u>
Programmable Thermostat	2	\$0	\$50
Learning Thermostat	2	\$25	\$125
Natural Gas Furnace (Tier 1) AFUE rated 92% to 95.9%	2 (Note 1)	\$100	\$300
Natural Gas Furnace (Tier 2) AFUE rated 96% or higher	2 (Note 1)	\$200	\$450
Natural Gas Boiler (Tier 1) AFUE rated 85% to 89.9%	2 (Note 1)	\$50	\$300
Natural Gas Boiler (Tier 2) AFUE rated 90% or higher	2 (Note 1)	\$200	\$450
Natural Gas Tank Storage Water Heater, 20-55 gal, EF rating .67 or higher	2	\$100	\$300
Natural Gas Tankless water heater EF rating .9 or higher	2	\$200	\$400
Ceiling Insulation R30 to R49	\$200	\$.004 per sf x ΔR	\$.02 per sf x ΔR
Wall Insulation, minimum rating or R11	\$400	\$.04 per sf x ΔR	\$.07 per sf x ΔR
Hot Water Measure Kit (1-shower head, 2-aerators, 10 ft pipe wrap)	2	\$0	\$25
Ceiling Insulation R30 to R49 w/Audit	\$400	\$.004 per sf x ΔR	\$.02 per sf x ΔR
Wall Insulation, minimum rating or R11 w/Audit	\$800	\$.04 per sf x ΔR	\$.07 per sf x ΔR
Air Sealing Measure w/Audit	\$200	\$150	\$350
Duct Sealing Measure w/Audit	\$200	\$150	\$350
Low Flow Faucet Aerator	1/faucet	\$0	\$15
Low Flow Showerhead	1/shower	\$0	\$15
Pipe Wrap	No Limit	\$0	\$10
Hot Water Measure Kit w/Audit	2	\$0	\$40
H.E. Boiler (side-arm tank)	2	\$300	\$600
Furnace Tune-up	2	25% of Incremental Cost	75% of Incremental Cost
Boiler Tune-up	2	25% of Incremental Cost	75% of Incremental Cost

Note (1): For Landlords a maximum of ten (10) units or 10% of the total units whichever is greater

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### REBATE RANGE SHEET - BUSINESS MEASURES

<u>Measure</u>	<u>Max Number of Rebates</u>	<u>Minimum Rebate Level (\$/Measure)</u>	<u>Maximum Rebate Level (\$/Measure)</u>
Programmable Thermostat	2	\$1	\$50
Learning Thermostat	2	\$25	\$125
Natural Gas Furnace (Tier 1) AFUE rated 92% to 95.9%	10	\$100	\$300
Natural Gas Furnace (Tier 2) AFUE rated 96% or higher	10	\$200	\$450
Steam Trap Replacement	25	\$25	\$100
Natural Gas Food Service Steam Cookers - 5 pan	2	\$1,500	\$1,950
Natural Gas Food Service Steam Cookers - 6 pan	2	\$1,500	\$1,950
Natural Gas Food Service Double Oven	2	\$2,000	\$2,750
Natural Gas Tank Storage Water Heater, 20-55 gal, EF rating .67 or higher	10	\$100	\$300
Natural Gas Tankless Water Heater	10	\$200	\$400
Hot Water Measure Kit (1-shower head, 2-aerators, 10 ft pipe wrap)	3	\$0	\$25
Ceiling Insulation R18	\$250	\$.02 per sf x ΔR	\$.04 per sf x ΔR
Wall Insulation, minimum rating or R20	\$400	\$.035 per sf x ΔR	\$.06 per sf x ΔR
Ceiling Insulation R18 to R49 w/Audit	\$500	\$.02 per sf x ΔR	\$.04 per sf x ΔR
Wall Insulation, R20-R49 w/Audit	\$800	\$.035 per sf x ΔR	\$.06 per sf x ΔR
Air Sealing Measure w/Audit	\$800	\$300 per 0.5 ACH reduction	\$500 per 0.5 ACH reduction
Hot Water Measure Kit w/Audit	2	\$0	\$25
Pre-Rinse Spray Valve (less than 1.5 GPM)	2	\$25	\$175
Natural Gas Large Vat Fryer	2	\$700	\$1,200
Natural Gas Boiler AFUE rated 90% or higher	2	\$200	\$450
Furnace Tune-up	10	25% of Incremental Cost	75% of Incremental Cost
Boiler Tune-up	2	25% of Incremental Cost	75% of Incremental Cost
Custom Rebate	1	\$5/MCF	\$8/MCF

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