

# 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 high efficiency equipment and building shell measures purchased by Participants. Company's participation in such financial incentives is in accordance with the Stipulation and Agreement approved by the Missouri Public Service Commission (Commission) in Case No. GR-2010-0363.

**DEFINITIONS**

Administrator - Company will administer the Program.

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.

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.

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), submits Rebate Form and documentation.

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.

\*Indicates Change.

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ISSUED BY Warner L. Baxter President & CEO St. Louis, Missouri  
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**DEFINITIONS (cont'd)**

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 in the Company's Value Added Partner Network.

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

**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. Participating Retailers can be determined by visiting Company's Website ([ActOnEnergy.com](http://ActOnEnergy.com)) or by calling 314-342-1111 or 1-800-552-7583.

Residential rebates apply only to Residential customers purchasing high energy efficient natural gas equipment and building shell measures as listed in Residential Measures.

General Service rebates apply only to General Service customers purchasing high efficiency equipment and building shell measures as listed in General Service Measures.

**REBATES**

Each Participant will receive a rebate check from the Administrator within eight (8) to ten (10) weeks after the completed Rebate Form is submitted with proper documentation. Rebate Forms, applications and protocols are available on the Company's Website ([ActOnEnergy.com](http://ActOnEnergy.com)) or by calling 314-342-1111 or 1-800-552-7583.

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The terms of the rebate(s) are as follows:

**Residential Measures**

- 1) Equipment: Thermostat - purchase and installation of one (1) unit.  
Rated: Programmable.  
Rebate: Twenty five dollars (\$25) or 50% of the equipment cost, whichever is lower.
- 2) Equipment: Natural Gas Furnace - purchase and installation of one (1) unit.  
Rated: High efficiency AFUE rated 92% to 94.9%.  
Rebate: Owner Occupied: Two hundred dollars (\$200).  
Landlord: Three hundred dollars (\$300). The rebate for a landlord under this program is considered a pilot. This pilot will allow a landlord to receive a maximum of ten (10) rebates for this measure per year or 10% of their total number of rental units, whichever is higher.  
Term: This rebate will end when the new DOE standard takes affect. The new standard, as outlined in 10 CFR Part 430 RIN 1904-AC06, is set to take affect on May 1, 2013 but the existing DOE standard could be extended.
- 3) Equipment: Natural Gas Boiler - purchase and installation of one (1) unit.  
Rated: ENERGY STAR® Qualified high efficiency AFUE rated from 85-89%.  
Rebate: Owner Occupied: One hundred dollars(\$100).  
Landlord: Three hundred dollars (\$300). The rebate for a landlord under this program is considered a pilot. This pilot will allow a landlord to receive a maximum of ten (10) rebates for this measure per year or 10% of their total number of rental units, whichever is higher.

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**Residential Measures (cont'd)**

- 4) Equipment: Natural Gas Boiler - purchase and installation of one (1) unit.  
Rated: ENERGY STAR® Qualified high efficiency AFUE rated 90% or higher.  
Rebate: Owner Occupied: One hundred and fifty dollars (\$150).  
Landlord: Three hundred dollars (\$300). The rebate for a landlord under this program is considered a pilot. This pilot will allow a landlord to receive a maximum of ten (10) rebates for this measure per year or 10% of their total number of rental units, whichever is higher.
- 5) Equipment: Ceiling Insulation  
Rated: Customer's existing ceiling insulation must be at R11 or less as verified and documented by an insulation contractor. Customer's contractor must install to a minimum rating of R30 to a maximum of R49.  
Rebate: \$0.008 x sq ft x ΔR with a maximum rebate of two hundred dollars (\$200).
- 6) Equipment: Hot Water Measure Kit - installation of one (1) kit which may include: one (1) shower head, two (2) aerators, ten (10) feet pipe wrap.  
Rated: 1.5 Gallons Per Minute (GPM)  
Rebate: Measures will either be free or discounted to eligible customers, at the discretion of the Company, via at least one distribution method such as an on-line store.

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**Residential Measures (cont'd)**

- 7) Equipment: Building Shell Measures - Residential Home Energy Audit Improvement - purchase and installation of cost effective natural gas energy saving equipment and building shell measures as recommended from a customer's energy audit performed by a Qualified Auditor which are not included in other residential natural gas measures listed in this Program.

Rated: Measures considered efficiency improvements include:

1. Ceiling Insulation
  - a. Baseline must be R11 or less. Customer must install to a minimum of at least R30 and a maximum of R49.
2. Air Sealing Measures - Reduction in ACH must be at least 0.5 ACH through measures that may include:
  - a. Window weather stripping
  - b. Door weather stripping
  - c. Switch and outlet insulation
  - d. Caulking
  - e. Foam etc.
3. Duct Sealing Measures - Reduction in CFM50 must be at least 50 CFM50
4. Hot Water Measure Kit - which may include:
  - a. Faucet aerators
  - b. Low flow shower heads
  - c. Hot water pipe wrap

Rebate: A rebate is offered for each category listed above:

1. Ceiling Insulation - \$0.008 x sq ft x  $\Delta$ R with a maximum rebate of four hundred dollars (\$400).
2. Air Sealing Measures - \$42 per ACH reduction with a maximum rebate of two hundred dollars (\$200). Combustion safety inspections must be completed as a part of the audit.
3. Duct Sealing Measures - \$30 per 100 CFM 50 reduction, with a minimum of 50 CFM50 reduction, with a maximum rebate of two hundred dollars (\$200). Combustion safety inspections must be completed as a part of the audit.
4. Hot Water Measure Kit - One (1) free kit per household

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**General Service Measures**

- 1) Equipment: Thermostat - purchase and installation of up to two (2) units.  
Rated: Programmable.  
Rebate: Twenty five dollars (\$25) per thermostat for up to two (2) thermostats, fifty dollars (\$50) total or 50% of the equipment cost, whichever is lower.
- 2) Equipment: Steam Trap Replacement - purchase and replacement of up to twenty five (25) failing units.  
Rated: Steam Trap replacement considered efficiency improvement.  
Rebate: Fifty dollars (\$50) per steam trap; twelve hundred and fifty dollars (\$1,250) total.
- 3) Equipment: Natural Gas Food Service Steam Cookers - 5 Pan - purchase and installation of one (1) food service steam cooker - 5 pan.  
Rated: ENERGY STAR® Qualified.  
Rebate: Eighteen hundred dollars (\$1,800).
- 4) Equipment: Natural Gas Food Service Steam Cookers - 6 Pan - purchase and installation of one (1) food service steam cooker - 6 pan.  
Rated: ENERGY STAR® Qualified.  
Rebate: Eighteen hundred dollars (\$1,800).
- 5) Equipment: Natural Gas Food Service Double Oven - purchase and installation of one (1) food service double oven.  
Rated: ENERGY STAR® Qualified.  
Rebate: Twenty-six hundred dollars (\$2,600).
- 6) Equipment: Natural Gas Tank Storage Water Heater (Tier I) - purchase and installation of up to two (2) units.  
Rated: High efficiency with an EF rating greater than or equal to 0.62 and less than 0.67.  
Rebate: Fifty dollars (\$50) per unit, one hundred dollars (\$100) total.

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**General Service Measures (cont'd)**

- 7) Equipment: Hot Water Measure Kit - installation of one (1) kit which may include: one (1) shower head, two (2) aerators, ten (10) feet pipe wrap  
Rated: 1.5 GPM  
Rebate: Measures will either be free or discounted to eligible customers, at the discretion of the Company, via at least one distribution method such as an on-line store.
- 8) Equipment: Ceiling Insulation  
Rated: Customer's existing ceiling insulation must be at R13 or less as verified and documented by an insulation contractor. Customer's contractor must install to a minimum rating of R18.  
Rebate: \$0.0268 x sq ft x ΔR with a maximum rebate of two hundred fifty dollars (\$250).
- 9) Equipment: Wall Insulation  
Rated: Customer's existing wall insulation must be at R11 or less as verified and documented by an insulation contractor. Customer's contractor must install to a minimum rating of R20.  
Rebate: \$0.0402 x sq ft x ΔR with a maximum rebate of four hundred dollars (\$400).
- 10) Equipment: Building Shell Measures - Commercial Energy Audit Improvement - purchase and installation of cost effective natural gas energy saving equipment and building shell measures as recommended from a customer's energy audit performed by a Qualified Auditor which are not included in other commercial natural gas measures listed in this Program. Audits must be performed by qualified professionals (Registered Professional Engineer, Registered Architect, Certified Energy Manager, or equivalent training, experience, and continuing education). Audit procedures and reports must reach the level of effort of a Level II - Energy Survey and Analysis as described in the most recent edition of "Procedures for Commercial Building Energy Audits" published by the American Society of Heating, Refrigerating, and Air Conditioning Engineers.

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**General Service Measures (cont'd)**

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Rated: Measures considered efficiency improvements include:

1. Ceiling Insulation
  - a. Baseline must be R13 or less. Customer must install to a minimum of at least R18 and a maximum of R49.
2. Wall Insulation
  - a. Baseline must be R11 or less. Customer must install to a minimum of at least R20 and a maximum of R49.
3. Air Sealing Measures - Reduction in ACH must be at least 0.5 ACH through measures that may include:
  - a. Window weather stripping
  - b. Door weather stripping
  - c. Switch and outlet insulation
  - d. Caulking
  - e. Foam etc.
4. Hot Water Measure Kit - which may include:
  - a. Faucet aerators
  - b. Low flow shower heads
  - c. Hot water pipe wrap

Rebate: A rebate is offered for each category listed above:

1. Ceiling Insulation - \$0.0268 x sq ft x ΔR with a maximum rebate of five hundred dollars (\$500).
2. Wall Insulation - \$0.0402 x sq ft x ΔR with a maximum rebate of eight hundred dollars (\$800).
3. Air Sealing Measures - three hundred ninety five dollars (\$395) per 0.5 ACH reduction with a maximum rebate of eight hundred dollars (\$800).
4. Hot Water Measure Kit - One (1) free kit per business.

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**General Service Measures (cont'd)**

- 11) Equipment: Pre-Rinse Spray Valve Program - installation of either a self installed or direct installed pre-rinse spray valve.  
Rated: 0.64 GPM.  
Rebate: Up to two (2) free pre-rinse spray valves that are either direct installed or mailed to the customer at the discretion of the Company.
- 12) Equipment: Natural Gas Large Vat Fryer - purchase and installation of one (1) natural gas large vat fryer.  
Rated: 50% = Heavy Load Cooking Energy Efficiency.  
Rebate: Nine hundred dollars (\$900).

**PROGRAM FUNDS**

Funding for these measures is set forth in the Stipulation and Agreement in Case No. GR-2010-0363.

**PROGRAM TERM**

The Program will conclude on December 31, 2013. All installations of measures must occur no later than December 31, 2013 to qualify for a rebate. All rebate forms for this Program must be submitted and post-marked not later than January 31, 2014.

This tariff will provide for uninterrupted availability of these energy efficiency programs through December 31, 2013. The Company may file with the Commission proposed revised tariff sheets concerning the Energy Efficiency program if Company believes circumstances warrant changes.

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