

# RESIDENTIAL REBATES

## General Eligibility Terms and Conditions

1. **Incentive Offer:**
  - A) Rebates are offered for the purchase of energy efficient, ENERGY STAR products or products meeting equivalent minimum efficiency standards to be eligible.
  - B) Rebate cannot exceed 75% of the product cost.
2. **Participating Utilities:** Applicant must be an electric customer of one of the following utilities.
  - Blue Earth Light and Water
  - City of Fairfax
  - Granite Falls Municipal Utilities
  - Janesville Municipal Utilities
  - Kasson Public Utilities
  - Kenyon Municipal Utilities
  - Mountain Lake Municipal Utilities
  - Sleepy Eye Public Utilities
  - Springfield Public Utilities
  - Windom Municipal Utility
3. **Compliance:**
  - A) Only one service address per rebate application.
  - B) Return the completed application and required documentation to your electric utility.
  - C) Rebate applications must be received within 90 days of purchase or by March 31 of the calendar year following the year the item was purchased.
  - D) All efficiency ratings and test results must be stated and rated at full load AHRI standard conditions.
4. **Proof of Purchase Documentation:**
  - A) The data, calculations and assumptions associated with the proposed product/project/measure must be sufficient to verify the demand and energy reductions described for required State of Minnesota Conservation Improvement Program reporting.
  - B) Return the completed application and required documentation to your electric utility.
  - C) Invoices must indicate date of purchase, size, type, make, model and total project cost.
  - D) If applicable, original equipment manufacturer specification sheets must also be included.
5. **Email Address and Utility Services:** By providing an email address, you are granting the utility permission to send emails regarding this project and/or updates on incentive programs and information regarding other energy efficiency services.
6. **Incentive Limits:** Funds are limited. Rebate offers may be withdrawn at any time without notice. Applications will be processed on a first-come, first served basis.
7. **Recycling Rebates:** Receive a recycling rebate for turning in an, old, inefficient refrigerator, freezer and/or room air conditioner in working condition.
8. **Rebate Payment:** Allow approximately six to eight weeks for processing. Rebates are not guaranteed. This program is subject to change or termination without prior notice.
9. **Tax Implications:** The customer assumes all responsibility for any tax consequences resulting from an incentive payment under this program.

## Residential Program Heating and Cooling Terms and Conditions

1. The Utility reserves the right to load manage (cycle on and off) new units.

Rebates are structured with a base rebate (\$/ton) and an additional efficiency bonus rebate (\$/ton) for incremental efficiency improvements. Efficiency ratings must be stated at standard AHRI full load testing conditions or SEER.

### Air Conditioning Central Units

- *Minimum specifications: Split System, ENERGY STAR Efficiency Criteria 14.5 SEER Rating.*
- *Equipment type: Less than or equal to 5 tons.*

### Furnaces

- Retrofitted Electronically Commutated Motor's (ECM) installations in existing equipment do not qualify.
- ECM furnace rebate requests should include the AHRI / GAMA Certificate of Product Ratings. If the Certificate of Product Ratings does not clearly indicate the presence of a factory installed ECM, please include additional documentation that states its presence.
- Installation of the evaporator and condenser coil is required. Efficiency ratings must be stated at standard AHRI full load testing conditions.

### Air Source Heat Pumps

- Electricity must be the primary heating source in the new or existing home.
- Replacement of both the evaporator and condenser coil is required.
- Qualifying units are standard split system, furnace or air handler/fan coil integrated for homes with ductwork.

### SEER Chart for Air Conditioning Units and Air Source Heat Pumps

Central Air Conditioning and Air Source Heat Pump	
SEER Rating	Rebate
13.5 - 14.99	\$50/ton
15.0 - 15.49	\$75/ton
15.5 - 15.99	\$100/ton
16.0 - 16.49	\$125/ton
16.5 + SEER	\$150/ton

### Geothermal/Ground Source Heat Pumps

- The newly installed geothermal heat pump must be the **primary** heating and cooling source for the home.
- Incentive is limited to units with full load cooling size of 11.3 tons or less.
- The presence of a desuperheater, used to heat domestic water, must be clearly stated on invoice and qualifies for a bonus rebate of \$250.

Heat Pump Equipment Installed	Minimum Efficiency
Closed Loop Water to Air Ground Source Heat Pump < 11.3 tons	Energy Star 14.1 EER & 3.3 COP
Open Loop Water to Air Ground Source Heat Pump < 11.3 tons	Energy Star 16.2 EER & 3.6 COP
Closed Loop Water to Water Ground Source Heat Pump < 11.3 tons	Energy Star 15.1 EER & 3.0 COP
Open Loop Water to Water Ground Source Heat Pump < 11.3 tons	Energy Star 19.1 EER & 3.4 COP
Direct Geoexchange (DGX) < 11.3 tons	Energy Star 15.0 EER & 3.5 COP

\*Size is based on full load cooling capacity at ANSI/AHRI/ASHRAE ISO Standard 13256 testing conditions. For DGX systems AHRI 870 testing conditions shall be used.

\*\* All efficiency ratings must be stated at standard ANSI/AHRI/ASHRAE ISO Standard 13256 (or AHRI 879 for DGX systems) testing conditions. Units not listed at [www.energystar.gov](http://www.energystar.gov) as ENERGY STAR qualified must meet equivalent minimum efficiency standards to be eligible. Efficiency ratings will be verified using the AHRI database ([www.ahridirectory.org](http://www.ahridirectory.org)). For multistage units the incentive minimum efficiency is based on ENERGY STAR's blended EER rating which is defined as follows: EER = (highest rated capacity EER + lowest rated capacity EER) / 2 and COP = (highest rated capacity COP + lowest rated capacity COP) / 2.

\*\*\* Rated full load EER and COP based on ANSI/AHRI/ASHRAE ISO Standard 13256 (AHRI 870 for DGX systems) testing conditions.



# COMMERCIAL/INDUSTRIAL BUSINESS REQUIRED DOCUMENTS

**Commercial/Industrial customers, please attach the following required documents for each rebate request:**

- Invoice clearly showing proof of purchase including date purchased, type, make, model numbers, (horsepower), labor, and costs.
- Installation date, address and total project cost.
- Invoice clearly showing proof of purchase including date purchased, type, make, model numbers, (horsepower), labor, and costs.
- Installation date, address and total project cost.
- Invoice clearly showing proof of purchase including date purchased, type, make, model numbers, (horsepower), labor, and costs.
- Installation date, address and total project cost.

## **Heating, Ventilation, and Air Conditioning (HVAC)**

- 1) Certificate of AHRI Product Ratings for the equipment installed at standard AHRI full load conditions; or if a certificate is not available, please include a manufacturer's specification sheet that clearly shows efficiency ratings at standard AHRI full load testing conditions.
- 2) Copy of heat load calculation clearly delineating:
  - a. Design temperature used for analysis
  - b. Resulting heat load, and
  - c. Equipment heating capacity for the building

## **Lighting**

Manufacturer (OEM) specification sheets, labels or catalog page numbers for installed lamps, ballasts, fixtures, sensors, and controls, or clearly marked National Electrical Manufacturers Association (NEMA) Premium® efficiency ratings for newly installed motors and pump curves.

# Commercial/Industrial

## General Eligibility Terms and Conditions

1. **Proof of Purchase:** A signed Savings Plus Commercial/Industrial Rebate Application and itemized invoices for materials and labor must be submitted to the participating utility at the address indicated within 60 calendar days of project completion.
2. **Documentation:**
  - A) Please retain and provide the data, calculations and assumptions associated with the proposed product/project/measure must be sufficient to verify the demand and energy reductions described for required State of Minnesota Conservation Improvement Program reporting.
  - C) Invoices must indicate date of purchase, size, type, make, model and total project cost.
  - D) If applicable, original equipment manufacturer specification sheets must also be included.
3. **Participating Utilities:** Eligible equipment must be connected to an electric service billed under a commercial or industrial rate class by one of the following utilities:  
Blue Earth Light and Water  
City of Fairfax  
Granite Falls Municipal Utilities  
Janesville Municipal Utilities  
Kasson Public Utilities  
Kenyon Municipal Utilities  
Mountain Lake Municipal Utilities  
Sleepy Eye Public Utilities  
Springfield Public Utilities  
Windom Municipal Utility
4. **Incentive Offer:** Rebates are offered for the purchase of energy efficient, ENERGY STAR or other energy efficiency industry approved products.
5. **Timeline:** Projects, including all required installation, must be completed by December 31 of each calendar year.
6. **Compliance:**
  - A) All projects must comply with federal, state and local codes.
  - B) Only new equipment or retrofits with new components qualify for a rebate.
  - C) Used, rebuilt, back up and redundant equipment are not eligible for incentives.
  - D) Existing, old equipment must be removed and properly disposed by customer and not reused or sold for use elsewhere.
  - E) Equipment must meet specification requirements and be purchased, installed and operating prior to submitting the application for payment.
  - F) Only one incentive per piece of qualifying equipment at one service address is allowed and Savings Plus incentives cannot not be combined for any piece of equipment, except when the equipment is recommended by a compressed air study received a Savings Plus rebate.
  - G) All terms and conditions must be satisfied by the customer.
7. **Rebate Payment:**
  - a) Equipment must be operational prior to rebate disbursement.



15. **Email Address and Utility Services:** By providing an email address, you are granting the utility permission to send emails regarding this project and/or updates on incentive programs and information regarding other energy efficiency services.
16. **Measurement Standards:** All efficiency ratings must be stated at Air-Conditioning, Heating and Refrigeration Institute (AHRI) standard full load conditions and all test results must be rated at full load AHRI standard testing conditions.

## Commercial/Industrial Program Specific Terms and Conditions

### Compressed Air Study Requirements

1. Obtain a pre-approval in the form of a Certificate of Project Eligibility from the utility **PRIOR** to proceeding with the study.
2. Contact a compressed air vendor/contractor and request a compressed air study estimate.
3. Submit a compressed air study application and proposed cost of the study to the utility.
4. The study should include:
  - a. Ultrasonic leak survey that attempts to locate air leaks and estimate the cost of inefficiencies due to system leaks and misuse.
  - b. Efficiency report that provides system recommendations and estimates of energy cost savings due to each recommendation.
  - c. Characterization of the major compressed air system (supply and demand side) components that includes:
    - Compressor number, type, capacity, pressure rating and age
    - Compressor motor size, efficiency and age
    - Type, capacity and age of dryers and other conditioning equipment
    - Type of automatic compressor controls, if any
    - Description of major compressed air end uses
    - Location and layout of piping and major system components
    - Inspection of all compressed air system components and identify problem areas
  - d. Estimate or measurement for each individual compressor as well as the overall system in cubic feet per minute (CFM); calculation of energy consumption in kWh and determination of the annual cost of operating the existing compressed air system
  - e. Results of pressure, flow and power or amperage, if available, for a time period sufficient to obtain a good estimate of the system's output and characterizations
  - f. Identification of leaks and unregulated demand inspection
  - g. Execution steps and cost estimates to repair leaks, unregulated end-uses and inefficient compressed air applications
  - h. Recommendations for improvements to customer's maintenance procedures
  - i. Steps for follow-up actions to improve operation and efficiency.
5. Compressed air systems must be electrically driven with a minimum 35 horsepower total installed capacity (excluding backup equipment) and operate at least 40 hours per week (2,000 hours per year).
6. The utility funds 50 percent of the study costs, based on the following maximum guidelines:

Compressor Size	Maximum Utility Funding
< 35 hp	utility discretion
35-74 hp	up to \$1,500
75-99 hp	up to \$2,000
100-249 hp	up to \$3,000
> 250 hp	up to \$4,000

7. Seventy-five percent of the leaks must be repaired within nine months of the study completion date. A follow-up study should be conducted to determine effectiveness of repairs. Utility reserves the ability to withhold rebate until leaks are fixed.
8. Customers are eligible for compressed air study funding with the frequency of studies on the same systems at the discretion of the utility.
9. Any projects involving new equipment may be eligible for other rebates under the Savings Plus Custom Rebate Program.

### **Custom Project Rebates            \$500 - \$100,000**

Savings Plus offers incentives for the installation of high efficiency equipment or the implementation of process improvements that result in energy savings and reduce electric load. All custom projects are capped at 75 percent of the total cost, and projects must have a payback greater than one year and less than fifteen

1. To qualify for incentives under this program, all projects must be **PRE-APPROVED**.
2. After project completion, the customer must resubmit any updated calculations for demand and energy savings.
3. Demand and energy savings calculations and assumptions must be certified by a qualified individual representing the customer.
4. The minimum incentive application is \$500 and are limited to \$100,000 per calendar year per customer under the custom program. Payments for larger incentives may be allowed at the discretion of the utility and, if permitted, may be paid in increments over more than one year.
5. The utility reserves the right to disqualify any type of equipment from this program.
6. Custom rebates are only applicable to projects and equipment that meet the detailed specifications and requirements of Savings Plus terms and conditions. The utility will determine, in its discretion, whether such specifications and requirements have been satisfied.

### **Heating and Cool Requirements**

1. The utility reserves the right to load manage (cycle on and off) customer equipment that qualifies for incentives under this program. All equipment installed, including heat pumps, must serve as a primary source of cooling for the facility.
2. All equipment installed, including heat pumps, must serve as a primary source of cooling for the facility.
3. Installation of both the evaporator and condenser coil is required for all split systems including heat pumps.
4. Full load AHRI efficiency levels must be provided and stated as KW/ton for air and water cooled chillers and seasonal energy efficiency ratio (SEER) and EER for all other units.

5. Water cooled chillers must meet full and part load efficiency level requirements and the integrated part load value must be provided.

### **Lighting New Construction**

**\$.50 - \$100 per fixture**

1. Incentives are not available for equipment installed to meet the building or electric code requirements.
2. All fluorescent fixtures must utilize electric ballasts and T5 high output or CEE qualified T8 lamps.
3. Ballasts shall have a power factor greater than 90 percent and total harmonic distortion of ballasts shall not exceed 20 percent.
4. All fixtures, lamps, and ballasts must be Underwriters Laboratories (UL) or Electrical Testing Labs (ETL) listed to U.S. safety standards for operation as installed and must meet all applicable codes and regulations.

### **Lighting Retrofit**

- Incentives are available for retrofits in existing buildings and installation must reduce facility's electric load.
- Incentives are not available for equipment installed to meet the building or electric code requirements.
- Fixture installations must be permanent, except for the installation of screw-in CFLs.
- Fixtures, lamps, and ballasts must be UL or ETL listed to U.S. safety standards for operation as installed and must meet all applicable codes and regulations.

### **Motor Requirements**

- Qualifying motors must meet or exceed efficiency levels of the National Electrical Manufacturers Association (NEMA) Premium<sup>®</sup> Motor Program. The minimum nominal efficiency levels required can be found at [www.nema.org](http://www.nema.org). These motors must be single-speed, three phase, open drip-proof (ODP) or totally enclosed fan cooled (TEFC), 1 to 200 horsepower, squirrel cage induction motors, NEMA Premium<sup>®</sup> Design A or B, continuous rated, with nominal speeds of 1200, 1800, or 3600 RPM.

### **Pump Requirements**

- Pump efficiency is based on the pump curve for installation. Documentation of the pump curve is required to receive an incentive.

### **Variable Frequency Drives (VFDs) on HVAC Fans, HVAC Pumps and Process Pumps**

- VFD's used to replace existing or failed VFD's do not qualify for incentive.
- This incentive is only for process pumps, HVAC pumps and HVAC fans only.  
Examples include VFD's to control HVAC fans, boiler draft fans, cooling tower fans, chilled water distribution pumps, and hot water distribution pumps.

- **HVAC Fans**  
Incentives for VFDs controlling HVAC fans are only offered for VFD's installed on existing HVAC fans up to 400 horsepower. Incentives are not offered for VFD's on new installations of HVAC fans.
- **HVAC Pumps**  
Incentives for VFD's are limited to 1 through 50 horsepower motors for new HVAC pumps and 1 through 400 horsepower motors for existing pumps.
- **Process Pumps**  
Incentives for VFD's are limited to 1 through 50 horsepower motors for new process pumps and 1 through 400 horsepower motors added to existing process pumps.
- VFD's must be automatically controlled by a variable signal with load diversity that results in savings through motor speed variation.
- Qualifying projects must have a true power factor of 90 percent or greater and should include a line reactor between the power source and the drive with a reactor rating of not less than 3 percent impedance of the VFD rating.