



BUSINESS INCENTIVES FOR HEATING, VENTILATION AND AIR- CONDITIONING (HVAC), REFRIGERATION AND VARIABLE FREQUENCY DRIVE (VFD) MEASURES

The following information is provided as part of the PowerSavers conservation program to encourage non-residential customers to select and install energy efficient equipment for their facilities. This program is a joint offering from participating utilities of the Minnkota Power Cooperative (MPC) and the Northern Municipal Power Agency (NMPA).

Instructions for Use:

For complete instructions, please refer to the Terms and Conditions on page 8.

Step 1: Determine Eligibility. Equipment must be new and installed in a facility served by one of the participating municipals or cooperatives listed below:

Step 2: Install New Equipment. . New equipment must be installed and old equipment removed. Product types eligible for incentives are listed on this form. If there is a question regarding eligibility, please consult with your local cooperative or municipal. If the potential incentive is greater than \$15,000, contact your local utility to get pre-approval. Maximum incentive of \$50,000 per member/customer per year.

Step 3: Complete and sign the application. Forms must be received within 60 days of installation. Incomplete applications will cause delays in payment.

Step 4: Attach the following documentation:
Itemized invoices including costs for equipment installed and installation labor.

Step 5: Mail completed paperwork to your utility, listed on page two of this form.

PARTICIPATING COOPERATIVES AND MUNICIPALS

- City of Alvarado**
155 Marshall Street
P.O. Box 935
Alvarado, MN 56710
(218) 965-4911
- Baudette Municipal Utilities**
P.O. Box 548
Baudette, MN 56623
(218) 634-1850, (218) 634-9777 (fax)
- Fosston Municipal Utilities**
220 East 1st Street
Fosston, MN 56542
(218) 435-1737, (218) 435-1961 (fax)
- North Star Electric Cooperative**
441 State Hwy.172 N.W.
P.O. Box 719
Baudette, MN 56623-0719
(218) 634-2202 or 1-888-634-2202
(218) 634-2203 (fax)
- Roseau Municipal Utilities**
1198 Center Street West
Roseau, MN 56751
(218) 463-2351, (218) 463-1231 (fax)
- Warren Municipal Utilities**
120 East Bridge Ave.
Warren, MN 56762
218-745-5343, 218-745-5344 (fax)
- Bagley Public Utilities**
P.O. Box M
Bagley, MN 56621
(218) 694-2300, (218) 694-6623 (fax)
- Beltrami Electric Cooperative**
4111 Technology Drive, P.O. Box 488
Bemidji, MN 56619-0488
(218) 444-2540 or 1-800-955-6083
(218) 444-3676 (fax)
- Hawley Public Utilities**
P.O. Box 69
Hawley, MN 56549
(218) 483-3331, (218) 483-3332 (fax)
- Roseau Electric Cooperative**
1107 Third Street N.E.
Roseau, MN 56751
(218) 463-1543 or 1-888-847-8840
(218) 463-3713 (fax)
- Thief River Falls Municipal Utilities**
P.O. Box 528
Thief River Falls, MN 56701
(218) 681-5816, (218) 681-8225 (fax)
utilities@citytrf.net
- Wild Rice Electric Cooperative**
P.O. Box 438
Mahnomon, MN 56557-0438
(218) 935-2517 or 1-800-244-5709
(218) 935-2519 (fax)



2019 BUSINESS INCENTIVES FOR HEATING, VENTILATION AND AIR-CONDITIONING (HVAC), REFRIGERATION AND VARIABLE FREQUENCY DRIVE (VFD) MEASURES

Customer Information (Please Print)

Name of Business	Contact Phone	Email Address	
Mailing Address	City	State	ZIP Code
Installation Address	City	State	ZIP Code
Utility Account Number	Annual Hours of Operation: / year Is this a 24-hour facility? <input type="checkbox"/> Yes <input type="checkbox"/> No		

Building Use – Please Check One

- College
 Elementary/Secondary School
 Clinic
 Hospital
 Office
 Grocery/Supermarket
 Manufacturing
 Retail
 Restaurant
 Warehouse
 Other Miscellaneous _____

- How did you learn about the program?**
 My Utility
 Utility Web site
 Newspaper
 Community Event
 Mail/Bill Insert
 Contractor
 Other

Contractor Information

Name of Installing Contractor (if applicable)	Contact Phone	Contact Mobile	
Address	City	State	Zip Code

A. Appliances (Residential Style)

Equipment Type	Specifications	Qty.	Incentive	Total
Clothes Washer	ENERGY STAR®		\$25/unit	
Brand Installed:	Model Number Installed:	Serial Number Installed:		
Electric Clothes Dryer	ENERGY STAR		\$25/unit	
Brand Installed:	Model Number Installed:	Serial Number Installed:		
Refrigerator or Freezer	ENERGY STAR		\$25/unit	
Brand Installed:	Model Number Installed:	Serial Number Installed:		
Removed and recycled old refrigerator <input type="checkbox"/> Removed and recycled old freezer <input type="checkbox"/>			\$50/unit	
(Recycling receipt must be returned with application in order to qualify for additional incentive)				

B. Electric Water Heaters

Equipment Type	Specification	Qty.	Incentive	Total
Electric Water Heater	≥80-gallon, EF ≥0.91. Must be controlled under the participating utility's demand response		\$150/unit	
Brand Installed:	Model Number Installed:	Serial Number Installed:		

- Equipment Replaced:
 Electric Water Heater
 Natural Gas Water Heater
 LP Water Heater
 Other: _____

C. Heating, Ventilation Air Conditioning (HVAC) Measures (See page 5 for HVAC requirements)

Equipment Type	Specifications	AHRI Number/	Qty.	Incentive	Total
AC Tune-up for Rooftop Units				\$50/unit	
AC Tune-up for Central AC Split System < 5.4 tons				\$50/unit	
Air-source Heat Pump (ASHP) ^{1,3,4}	Less than 17 SEER/IEER			\$200/ton	
	Equal to or greater than 17 SEER/IEER			\$400/ton	
ENERGY STAR Window AC <i>(Must be Energy Star rated to qualify)</i>	<u>Less than</u> 14,000 Btu/hr.			\$35/unit	
	<u>Equal to or greater than</u> 14,000 Btu/hr.			\$70/unit	
ENERGY STAR Wall (Sleeve) AC <i>(Must be Energy Star rated to qualify)</i>	<u>Less than</u> 14,000 Btu/hr.			\$35/unit	
	<u>Equal to or greater than</u> 14,000 Btu/hr.			\$70/unit	
Furnace/Air Handler with ECM ^{1,2,7}	Furnace with an ECM blower			\$100/unit	
Mini-Split Ductless Heat Pump	Less than 17 SEER			\$200/ton	
	Equal to or greater than 17 SEER			\$400/ton	
Packaged Terminal Heat Pump				\$200/ton	
Programmable Thermostat	Total thermostat incentive is limited to \$2,500 per facility, up to 50% of unit cost.			\$25/unit	
Supplemental Heating Source for Air-Source Heat Pump (ASHP) ¹	Must modulate to allow qualifying ASHP to operate down to 5°F, and must be on load control			\$500/unit	

Packaged Terminal Air Conditioning

All Sizes	Minimum Efficiency 11.2 EER			\$35/unit	
-----------	-----------------------------	--	--	-----------	--

Split System Air Conditioning

Description – Size	Size Range	Minimum Efficiency Rating	Qty.	Incentive/ Ton	Total Incentive
<65,000 BTUH	<5.4 tons	14.0 SEER		\$30/ton	
65,000 – 135,000 BTUH	5.4 - 11.3 tons	11.5 EER		\$40/ton	
136,000 – 240,000 BTUH	11.4 - 20.0 tons	11.3 EER		\$40/ton	
241,000 – 760,000 BTUH	20.1 - 63.3 tons	10.3 EER		\$40/ton	
> 760,000 BTUH	>63.3 tons	10.0 EER		\$40/ton	

Unitary Single Packaged Air Conditioning (Including Rooftop Units)

Description – Size	Size Range	Minimum Efficiency Rating	Qty.	Incentive/ Ton	Total Incentive
<65,000 BTUH	<5.4 tons	15.0 SEER		\$30/ton	
65,000 – 135,000 BTUH	5.4 - 11.3 tons	11.5 EER		\$40/ton	
136,000 – 240,000 BTUH	11.4 - 20.0 tons	11.3 EER		\$40/ton	
241,000 – 760,000 BTUH	20.1 - 63.3 tons	10.3 EER		\$40/ton	
> 760,000 BTUH	>63.3 tons	10.0 EER		\$40/ton	

Air Cooled Chillers				
Description – Size	Efficiency Rating	Qty.	Incentive/ Ton	Total Incentive
<150 ton	10 EER FLV, 13.0 EER IPLV		\$40/ton	
≥150 ton	10 EER FLV, 13.3 EER IPLV		\$40/ton	

Water Cooled Chillers				
<150 ton (scroll/screw)	0.79 kW/ton full load , 0.49 kW/ton part load (IPLV)		\$30/ton	
≥150 ton and <300 ton (scroll/screw)	0.63 kW/ton full load , 0.44 kW/ton part load (IPLV)		\$40/ton	
≥ 300 ton (scroll/screw)	0.58 kW/ton full load , 0.44 kW/ton part load (IPLV)		\$40/ton	

Cooling Systems must operate equal to or greater than 1,500 hours annually to be eligible.
 Installed ARI Efficiency is required for all Central AC units and Chillers. ARI Efficiency levels for Central AC units will be rated by SEER or EER, and kW/ton for Chillers. Full load efficiency rating (FL) must be provided for Air Cooled and Water Cooled Chillers. Integrated part load value (IPLV) must also be provided for Water Cooled Chillers.

D. Ground-Source Heat Pumps (GSHPs) ^{1,5,6,8}
 If equipped with backup electric heat, home must be on load control or demand billing per local utility offerings

Equipment Type	Specifications	AHRI Reference Number	Incentive/Unit	Quantity	Total
Ground-Source Heat Pump – (GSHPs) Open Loop <135,000 BTUH @ 59°F	16.2 EER/3.6 COP Maximum incentive \$7,500		\$200/ton		
Ground-Source Heat Pump – (GSHPs) Closed Loop <135,000 BTUH @ 77°F	14.1 EER/3.3 COP Maximum incentive \$15,000		\$400/ton		
Manufacturer:	Model Number(s):	Serial Number(s) Installed:			
Manufacturer:	Model Number(s):	Serial Number(s) Installed			
Design Temperature used for analysis:	Resulting Heat Loss:	Equipment Heating Capacity			
System Provides: <input type="checkbox"/> Cooling <input type="checkbox"/> Heating <input type="checkbox"/> Both		Type of Geothermal System: <input type="checkbox"/> Water-to-water <input type="checkbox"/> Water-to-air			

- Requirements for all HVAC Measures:**
- Must be installed by qualified, insured contractor. New installations only. Must be the primary heating source for the business and be on a list of prequalified units.
 - New furnace/indoor unit installations only. Unit must be equipped with an electronically commutated motor (ECM) as original equipment in the furnace, heat pump or indoor blower. Must be the primary heating source for the business.
 - Qualifying units are standard split system, furnace integrated for businesses with ductwork. Electricity must be a primary heating source in your business.
 - Unit must be on a list of prequalified units. The furnace and condenser model and serial numbers, evaporator model and serial number, and AHRI reference number are required for all installations. All efficiency ratings will be verified using the AHRI database (ahridirectory.org) or manufacturer specifications.
 - Geothermal incentives require a heat load calculation to be submitted with the incentive application. Incentive is based off total heating capacity for the business.
 - Water-to-water systems need the manufacturer's specifications indicating the equipment meets incentive requirements.
 - Indoor units that contain ECM motors, which include, fuel-fired furnaces or air handlers with no secondary heating source, also qualify.
 - Units must meet or exceed above efficiency levels or carry an ENERGY STAR qualification. Multi-stage units may be qualified based on the following:
 EER = (highest rated capacity EER + lowest rated capacity EER) / 2
 COP = (highest rated capacity COP + lowest rated capacity COP) / 2

E. Replacement Ground-Source Heat Pump (GSHP)

Equipment Type	Specifications	AHRI Reference Number	Incentive/Ton	Qty	Total
Replacement Ground-Source Heat Pump – (GSHP) Open Loop <135,000 BTUH @ 59°F	16.2 EER/3.6 COP Maximum incentive is \$3,750		\$100/ton		
Replacement Ground-Source Heat Pump – (GSHP) Closed Loop <135,000 BTUH @ 77°F	14.1 EER/3.3 COP Maximum incentive is \$7,500		\$200/ton		
Manufacturer:	Model Number(s):	Serial Number(s):			
Design Temperature used for analysis:	Resulting Heat Loss:	Equipment Heating Capacity Required for Home:			
System Provides: <input type="checkbox"/> Cooling <input type="checkbox"/> Heating <input type="checkbox"/> Both		Type of Geothermal System: <input type="checkbox"/> Water-to-water <input type="checkbox"/> Water-to-air			
Additional Requirements on Replacement Geothermal Equipment <ol style="list-style-type: none"> Incentive available for failed Geothermal equipment only Entire indoor unit replacement is required to receive incentive. Replacing only the compressor will not qualify for the incentive. Equipment must meet or exceed efficiency requirements as stated above Equipment being replaced must fall outside of any warranty period to receive incentive. Invoice showing proof of purchase must be attached. If equipped with backup electric heat, building must be on load control or demand billing per local utility offering. Heat load calculation required with all replacement applications submitted clearly delineating <ol style="list-style-type: none"> Design temperature used for analysis Resulting heat loss Equipment heating capacity required for building 					

F. Refrigeration Measures

Equipment Type	Specifications	Incentive/Door	Qty	Total
Anti-Sweat Heater Control (<i>cooler</i>)	Retrofits only	\$40/door		
Anti-Sweat Heater Control (<i>freezer</i>)	Retrofits only	\$100/door		
Auto-closure on Walk-in Cooler/Freezer Doors	Retrofits or new installations	\$40/closure		
Compressor Fan ECM	Retrofits or new installations	\$25/unit		
Condenser Fan ECM	Retrofits or new installations	\$25/unit		
ECM Evaporator Fan – Walk-In Coolers/Freezer	Retrofits only	\$40/motor		
ECM Evaporator Fan – Reach-In Cooler/Freezer	Retrofits only	\$40/motor		
ENERGY STAR Commercial Solid or Glass Door Freezer	Less than 15ft ³	\$50/unit		
	15-30ft ³	\$100/unit		
	30-50 ft ³	\$150/unit		
	Greater than 50ft ³	\$250/unit		
ENERGY STAR Commercial Solid or Glass Door Refrigerator	Less than 15ft ³	\$50/unit		
	15-30 ft ³	\$100/unit		
	30-50 ft ³	\$150/unit		
	Greater than 50ft ³	\$250/unit		
ENERGY STAR Ice Machine	Less than 500lb per day	\$200/unit		
	500 – 1,000lb per day	\$300/unit		
	Greater than 1,000lb per day	\$600/unit		
Horizontal LED Case Lighting	Retrofit only – Must be DesignLights Consortium™ approved	\$5/linear foot of lamp		
LED Case Lighting	Retrofit only – Must be DesignLights Consortium™ approved	\$25/door		
LED Case Lighting – Occupancy Sensor	Retrofit or new installations	\$10/door		

Refrigeration Measures - continued

Equipment Type	Specifications	Incentive/Door	Qty	Total
Night Cover	Retrofit only	\$8/linear foot		
Energy Efficient Case Door (Anti-sweat heater <54 Watts)	Retrofit or new installations	\$15/door		
Replace Open Multi-Deck Reach-In Case with Glass Door Reach-In	Retrofit Only	\$30/linear foot		
Vending/Cooling Miser	Retrofit only	\$50/unit		
Snack Miser	Retrofit only	\$25/unit		
Strip Curtain	Retrofit or new installations	\$8/linear foot		

G. Other Food Service Measures

ENERGY STAR Steam Cooker – Electric Only	3 Pan Steam Cooker	\$300/unit		
	4 Pan Steam Cooker	\$400/unit		
	5 Pan Steam Cooker	\$500/unit		
	6 Pan Steam Cooker	\$600/unit		
ENERGY STAR Fryer – Electric Only		\$500/unit		
Griddles and Ovens – Electric Only	Griddle – Cooking efficiency =0.70	\$850/unit		
	Combination Oven – Cooking Energy Efficiency =0.60	\$1,000/unit		
	Convection Oven – Cooking efficiency =0.70	\$1,500/unit		
ENERGY STAR Holding Cabinets	Full-sized Hot Cabinet	\$400/unit		
	Three-Quarter Sized	\$300/unit		
	Half-sized	\$200/unit		

H. Variable Frequency Drives (Motors, pumps and fans must operate a minimum of 1,500 hours annually to be eligible)

Incentives under this program are not available for replacement VFDs.

VFD HP*	Make/Model or Catalog #	Quantity	Incentive	Annual Operating Hours (Minimum of 1,500 hrs)	Date Installed & Operable (mm/yy)	Total Incentive
			\$40/hp			
			\$40/hp			
			\$40/hp			
			\$40/hp			

Subtotal

- VFD horsepower is the lesser of the VFD nominal horsepower and the motor nominal horsepower.
- Maximum incentive cannot exceed 50% of the total equipment cost.
- Drives must be used in pumping or air handling applications.
- Motors and pumps or fans, must operate a minimum of 1500 hours annually to be eligible. Equipment operating less than 1,500 hours annually may qualify for a custom rebate. Contact your local cooperative or municipal for details.
- Qualifying projects must have a true power factor of 0.90 or greater and should include a line reactor between the power source and the drive with a reactor rating of not less than 3% impedance of the VFD rating.
- Incentives will be paid for the installation of new variable frequency drives on existing fan and pump systems and process equipment.
- The replacement of a variable frequency drive does not qualify for this program.
- Variable frequency drives that are provided on new packaged HVAC equipment do not qualify.
- Redundant or backup units do not qualify.
- VFDs must be automatically controlled by a variable signal, and have load diversity that will result in savings through motor speed variation.
- The pump or air handling system may not exceed 400 horsepower to qualify for the above incentives. However, it may qualify under the custom program. Contact your local cooperative or municipal for more information.
- VFDs in new construction projects do not qualify for the above incentives if they are over 7.5 horsepower. However, they could qualify under the custom program. Contact your local cooperative or municipal for more information.

Summary of Incentives	
A. Appliance Subtotal	\$
B. Water Heating Subtotal	\$
C. HVAC Subtotal	\$
D. GSHPs Subtotal	\$
E. Replacement GSHP Subtotal	\$
F. Refrigeration Subtotal	\$
G. Other Food Services Subtotal	\$
H. Variable Frequency Drive Subtotal	\$
Total Incentives	\$

Terms and Conditions

1. **Incentive Offer:** Projects must be implemented (completed) by **December 31, 2019**. An original signed application and invoices for materials and labor must be delivered to the participating utility at the address located on page 2 of this application **within 60 calendar days of installation (completion)**. Please keep a copy for your records.
2. **Proof of Purchase:** This application must have complete information and be submitted with an invoice itemizing the **new equipment purchased and the manufacturer (OEM) specification sheets**. The invoice must indicate date of purchase, size, type, make, model and total project cost.
3. **Compliance:**
 - a. All projects are expected to comply with federal, state and local codes.
 - b. All equipment must be new or retrofitted with new components per the program specifications. Used or rebuilt equipment is not eligible for incentives. Existing equipment must be removed or permanently disconnected.
 - c. Equipment must meet specification requirements and be purchased and operating prior to submitting an incentive application.
 - d. Customers may only receive one incentive per piece of qualifying equipment.
 - e. If the project is in a leased building, the term of the lease must be at least five (5) years.
4. **Payment:** Once completed paperwork is submitted, incentive payments are usually made within 45 calendar days. Incomplete applications will either delay payments or be denied. The participating utilities reserve the right to refuse payment and participation if the customer or contractor violates program rules and procedures. All projects exceeding \$15,000 of incentives will be inspected prior to incentive payment.
5. **Inspection:** Program staff may conduct an inspection of the facility to survey installed projects.
6. **Publicity:** The participating utilities reserve the right to publicize your participation in this program, unless you specifically request otherwise.
7. **Program Discretion:** Incentives are available on a first-come, first-served basis. This incentive is subject to change or termination without notice at the discretion of the participating utilities.
8. **Logo Use:** Customers or allies may not use the participating utilities' name or logo in any marketing, advertising or promotional material without written permission.
9. **Disclaimers:** The participating utilities
 - a. Do not endorse any particular manufacturer, product, labor or system design by offering these programs;
 - b. Will not be responsible for any tax liability imposed on the customer as a result of the payment of incentives;
 - c. Do not expressly or implicitly warrant the performance of installed equipment or contractor's quality of work (contact your contractor for detailed warranties);
 - d. Are not responsible for the proper disposal/recycling of any waste generated as a result of this project;
 - e. Are not liable for any damage caused by the installation of the equipment or for any damage caused by the malfunction of the installed equipment.

INCENTIVE LIMIT:

Maximum incentive of \$50,000 per member/customer per year. Total incentive not to exceed 50 percent of material plus external labor costs.

ELIGIBILITY:

These incentives are offered by the member utilities of Minnkota Power Cooperative, Inc. and the Northern Municipal Power Agency. For questions regarding eligibility, call your local utility listed on page 2.