

PO Box 330 2389 Highway 92 Greenfield, IA 50849-0330 Phone: 641-743-6146 www.farmersrec.com

## **Commercial Heat Pumps**

PLEASE complete ALL sections and sign form to ensure proper and prompt payment of rebate.

Account Number	Customer Information	Check if wind or so	lar generation is installed.		
Mailing Address (if different than facility address above)    City   State   Zip Code	Company	Account Number	Phone		
Last Name   Last Name   E-mail Address	Facility Address (equipment location)	City	State Zip Code		
ACCOUNT TYPE where equipment is located:	Mailing Address (if different than facility address above)	City	State Zip Code		
GENERAL BUSINESS DESCRIPTION:  Installation and Equipment Information  YEAR HOUSE BUILT (approx.)  CONDITIONED AREA (sq. ft.)  TYPE OF HEAT PUMP EQUIPMENT:  Geothermal - Closed Loop  Geothermal - Sixisting Closed Loop  Water Source - Boiler/Tower  STD Air Source (ASHP)*  DATE INSTALLED  DATE INSTALLED  Added Capacity  Added Capacity  Added Capacity  Added Capacity  Added Capacity  Oil  Natural Gas  Water Source - Boiler/Tower  Added Capacity  Oil  New Construction  Air Source Heat Pump  Added Capacity  Oil  Natural Gas  Electric Resistance  Propane  Other  TIPE OF SYSTEM:  NONE  NONE  NONE  NONE  NONE  Oil  Natural Gas  Electric Resistance  Propane  Other  TIPE OF SYSTEM:  NONE  NONE	First Name (contact person) Last Name	E-mail Address			
SECONDARY HEATING SYSTEM:   Oil   Natural Gas   Electric Resistance   Propane   Other   Rebate can be calculated using Rebate Worksheet   Please Do Natural Gas   Electric Resistance   Propane   Other   Rebate can be calculated using Rebate Worksheet   Contractor   Rebate Can be acculated for you.   Please Do Natural Gas   Electric Resistance   Propane   Other   Rebate Can be acculated using Rebate Worksheet   Contractor   Contra	ACCOUNT TYPE where equipment is located: Farm Small Busin	ness Commercial/Industrial			
YEAR HOUSE BUILT (approx.)  CONDITIONED AREA (sq. ft.)  TYPE OF HEAT PUMP EQUIPMENT: Geothermal - Closed Loop Geothermal - Open Loop Set Dair Source - Boiler/Tower Address  TYPE OF SYSTEM REPLACED: New Construction Added Capacity Added Capacity Oil Natural Gas Electric Resistance Propane Other  SECONDARY HEATING SYSTEM: NONE Natural Gas Electric Resistance Propane Other  Rebate can be calculated using Rebate Worksheet or left blank and it will be calculated for you.  Please Do Not Use Shaded Address  REBATE  ENGINEERING FIRM (responsible for HVAC equipment specification): Business Name (retailer or installing contractor)  Address  City State Zip Code  Equipment Information  Must submit applicable Commercial Equipment Worksheet  TOTAL TONS INSTALLED* TOTAL TONS INSTALLED* TOTAL INSTALLED system COST  *Add total of worksheet subtotals and round to nearest whole tons.  Incentive Summary  Rebate can be calculated using Rebate Worksheet or left blank and it will be calculated for you.  Please Do Not Use Shaded Areas  REBATE	GENERAL BUSINESS DESCRIPTION:	(e.g. Ma	nufacturing, School, Grocery, Office, etc.)		
CONDITIONED AREA (sq. ft.)  TYPE OF HEAT PUMP EQUIPMENT: Geothermal - Closed Loop Geothermal - Existing Closed Loop STD Air Source - Boiler/Tower Geothermal - Existing Closed Loop STD Air Source (ASHP)*  Water Source - Existing Boiler/Tower Check if packaged units  DATE INSTALLED  DATE INSTALLED  Must submit applicable Commercial Equipment Worksheet  TYPE OF SYSTEM REPLACED: New Construction Air Source - Boiler/Tower Added Capacity Geothermal Heat Pump Eduipment Worksheet  Nother Source - Boiler/Tower Check if packaged units  TOTAL TONS INSTALLED*  TOTAL INSTALLED SYSTEM COST  * Add total of worksheet subtotals and round to nearest whole tons.  SECONDARY HEATING SYSTEM: NONE OII Natural Gas Electric Resistance Propane Other  NONE OII Natural Gas Electric Resistance Propane Other  Rebate can be calculated using Rebate Worksheet or left blank and it will be calculated for you.  INSTALLING CONTRACTOR:  Business Name (retailer or installing contractor)  Address  REBATE	Installation and Equipment Information				
TYPE OF HEAT PUMP EQUIPMENT:  Geothermal - Closed Loop					
TYPE OF HEAT PUMP EQUIPMENT:  Geothermal - Closed Loop	CONDITIONED AREA (sq. ft.)	Business Name (retailer or installing contract	or)		
Geothermal - Open Loop Geothermal - Existing Closed Loop Water Source - Boiler/Tower Geothermal - Existing Open Loop STD Air Source (ASHP)*  Water Source - Existing Boiler/Tower *Check if packaged units	TYPE OF HEAT PUMP EQUIPMENT:	Address			
STD Air Source (ASHP)*  Water Source - Existing Boiler/Tower  *Check if packaged units		City	State Zip Code		
*Check if packaged units    DATE INSTALLED		Equipment In	formation		
Must submit applicable Commercial Equipment Worksheet  TYPE OF SYSTEM REPLACED:  New Construction					
New Construction Air Source Heat Pump Added Capacity Geothermal Heat Pump Natural Gas Water Source - Boiler/Tower LP Electric Resistance Oil  SECONDARY HEATING SYSTEM: NONE Oil Natural Gas Electric Resistance Propane Other  Incentive Summary  Incentive Summary  Rebate can be calculated using Rebate Worksheet or left blank and it will be calculated for you.  INSTALLING CONTRACTOR: Business Name (retailer or installing contractor) Address  TOTAL TONS INSTALLED* (from worksheet) TOTAL INSTALLED SYSTEM COST  * Add total of worksheet subtotals and round to nearest whole tons.  * Rebate can be calculated using Rebate Worksheet or left blank and it will be calculated for you.  Heat Pump Equipment Contractor Incentive Shaded Areas  REBATE		Must submit applicable Comme	rcial Equipment Worksheet		
New Construction Air Source Heat Pump Added Capacity Geothermal Heat Pump Natural Gas Water Source - Boiler/Tower LP Electric Resistance Oil  SECONDARY HEATING SYSTEM: NONE Oil Natural Gas Electric Resistance Propane Other  Incentive Summary  Incentive Summary  Rebate can be calculated using Rebate Worksheet or left blank and it will be calculated for you.  INSTALLING CONTRACTOR: Business Name (retailer or installing contractor) Address  TOTAL TONS INSTALLED* (from worksheet) TOTAL INSTALLED SYSTEM COST  * Add total of worksheet subtotals and round to nearest whole tons.  * Rebate can be calculated using Rebate Worksheet or left blank and it will be calculated for you.  Heat Pump Equipment Contractor Incentive Shaded Areas  REBATE	TYPE OF SYSTEM REPLACED:				
Natural Gas		TOTAL TONS INSTALLED* (from v	worksheet)		
LP		TOTAL INSTALLED SYSTEM COST			
SECONDARY HEATING SYSTEM:  NONE  None  Not Use Summary  Rebate can be calculated using Rebate Worksheet or left blank and it will be calculated for you.  Please Do Not Use Shaded Areas  REBATE		* Add total of worksheet subtotals and round to nearest whole tons.			
NONE Natural Gas Electric Resistance Propane Other  Rebate can be calculated using Rebate Worksheet or left blank and it will be calculated for you.  INSTALLING CONTRACTOR:  Business Name (retailer or installing contractor)  Address  Please Do Not Use Shaded Areas  REBATE	Oil				
NONE Natural Gas Electric Resistance Propane Other  Rebate can be calculated using Rebate Worksheet or left blank and it will be calculated for you.  INSTALLING CONTRACTOR:  Business Name (retailer or installing contractor)  Address  Please Do Not Use Shaded Areas  REBATE					
Natural Gas   Electric Resistance   Propane   Other   Rebate can be calculated using Rebate Worksheet or left blank and it will be calculated for you.  INSTALLING CONTRACTOR:  Business Name (retailer or installing contractor)   Please Do Not Use Shaded Areas   REBATE   REBATE					
Propane Other  Rebate can be calculated using Rebate Worksheet or left blank and it will be calculated for you.  INSTALLING CONTRACTOR:  Business Name (retailer or installing contractor)  Address  Please Do Not Use Shaded Areas  REBATE  REBATE		Incentive Summary			
INSTALLING CONTRACTOR:  Business Name (retailer or installing contractor)  Address  Please Do Not Use Shaded Areas  REBATE					
Business Name (retailer or installing contractor)  Address  REBATE					
Address Contractor Incentive Areas REBATE		Please Do Heat Pump Equipme	nt		
Address REBATE REBATE	Business Name (retailer or installing contractor)	Contractor incentive			
City State Zip Code	Address	Areas REBA	TE		
Attach equipment worksheets and copy of sales invoice	City State Zip Code	Attach aquinment workshoo	ts and copy of sales invoice		
			ts and copy or sales invoice		
Customer and Vendor Agreement					
By signing below, Customer and contractor/vendor agree to the Terms and Conditions (see back or separate page) for this program.  Customer Name/Title  Contractor/Vendor Name/Title			rograni.		
			T-		
Customer Signature Date Contractor/Vendor Signature Date	Customer Signature   Date	Contractor/Vendor Signature	Date		
Office Use Only: Utility ID Employee Name  Notes: Authorized Amount	otinty is	Notes:	Authorized Amount		

#### **Terms and Conditions - Commercial Heat Pump Incentives**

Program Offer: The Program covers products purchased and/or services rendered on or after January 1, 2023.

#### Air Source Heat Pump (ASHP) Requirements:

- Must meet federal minimum efficiency requirements and have a minimum capacity of 0.75 tons. Units must be listed in the AHRI Unitary Directory, provided online at: <u>www.ahridirectory.org</u>.
- 2. To be eligible for ENERGY STAR® Bonus incentives, units must meet current ENERGY STAR program requirements for Air Source Heat Pumps and have a minimum capacity of 1.5 tons. As of 1/1/2016 the following energy efficiency minimums shall be required to receive the ENERGY STAR Bonus rebate:

MINIMUM Energy Efficiency Criteria for ENERGY STAR Qualified Residential Air Source Heat Pumps (effective 9/15/15)						
Product Type	SEER	EER	HSPF			
ASHP Split Systems	15.0	12.5	8.2			
Single Package ASHP	15.0	12.0	8.2			

Criteria for Certified Light Commercial Heat Pumps						
Cooling Capacity	Heating Section Type	Min. Energy Eff. Criteria				
≥ 65,000 Btu/h - < 135,000 Btu/h	Electric Res. (or None)	11.8 EER; 12.8 IEER; 3.4 COP at 47° F; 2.4 COP at 17°F				
	All other	11.6 EER; 12.6 IEER; 3.4 COP at 47° F; 2.4 COP at 17°F				
≥ 135,000 Btu/h - < 240,000 Btu/h	Electric Res. (or None)	10. 9 EER; 12.0 IEER; 3.3 COP at 47° F; 2.1 COP at 17°F				
	All other	10.7 EER; 11.8 IEER; 3.3 COP at 47° F;2.1 COP at 17°F				

Gas/Electric Package Units Shall meet the appropriate air conditioner or pump requirements.

Criteria for Certified Light Commercial VRF Multi-Split Heat Pump Systems						
Cooling Capacity	Minimum Energy Efficiency Criteria					
≥ 65,000 Btu/h - < 135,000 Btu/h	Without Heat Recovery	11.8 EER; 17.4 IEER; 3.4 COP at 47° F				
	With Heat Recovery	11.8 EER; 17.2 IEER; 3.4 COP at 47° F				
≥ 135,000 Btu/h - < 240,000 Btu/h	Without Heat Recovery	10.9 EER; 16.4 IEER; 3.3 COP at 47° FF				
	With Heat Recovery	10.7 EER; 16.2 IEER; 3.3 COP at 47° F				

- 3. When installing a split system, both a new outdoor unit (condenser) and a new indoor A-coil (evaporator) must be installed.
- 4. Rebates for Air Source Heat Pumps are based on cooling tons. The capacity for qualified units is rated in the AHRI Unitary Directory by its output in "Btuh." This amount is divided by 12,000 to determine the number of tons.
- IMPORTANT NOTE: An ENERGY STAR label on equipment does not guarantee that a product qualifies for this incentive (refer to requirements 1-2 above). Current ENERGY STAR information, specifications and eligible equipment lists can be found at <a href="https://www.energystar.gov">www.energystar.gov</a>.

## Geothermal and Water Source Heat Pump Equipment Requirements:

- Equipment must be listed in the AHRI Applied Directory for WBAHP equipment meeting ISO Standard 13256-1 or 13256-2. Data (including capacity) must be obtained from the appropriate section as follows:
  - WLHP Ratings required for Water Source equipment rebate.
  - GWHP Ratings required for Open Loop geo equipment rebate.
  - GLHP Ratings required for Closed Loop geo equipment rebate.
- 2. Size of unit used to determine rebate is based on the cooling capacity the appropriate section of the AHRI Applied Directory.

- (continued) This information can be verified online for a given brand and model number at: <u>www.ahridirectory.org</u>.
- Closed or open loop heat exchangers must be designed to maintain water temperatures within AHRI performance test parameters for the type of equipment and rebate being considered.
- 4. Units rated only a water loop heat pump (WLHP) equipment must use water that is temperature controlled by a system such as a boiler/cooling tower. These units only qualify for Water Source System rebates.
- Contact the Utility if installing Hydronic units used for domestic water heating or pool heating. These may qualify for incentives but will NOT qualify for special heat rate programs unless units also provide space heating.
- 6. Open loop systems must return water to the aquifer through a reinjection well. (No "pump and dump.")
- 7. Rebates will be paid per 1/2-ton increment with the capacity determined using the appropriate ISO Standard 13256.
- **NOTE:** The mechanical engineer or equipment specifier and installing contractor should be able to provide Customers with the information necessary to complete the application for this program. Both should be made aware of program requirements prior to installation to ensure that a qualifying system is specified and both must sign this document.
- **Eligibility:** The Participating Customer must ultimately own the equipment, either through an up-front purchase or at the end of a short-term lease. Equipment procured by Customers through another program offered by the Utility may not be eligible for a rebate through this Program.

#### **General Terms and Conditions**

Rebates shall be pro-rated based on the percent of power supplied by the utility if the customer has distributed generation.

**Application Information:** Missing or incorrect information on the application may delay processing and delivery of the rebate. An invoice is required and should include specific product information, including the brand, model, serial number and date of purchase of the energy efficient measures. Other information including manufacturer's equipment performance sheets may be required upon request.

The Utility reserves the right to verify sales transactions and to have reasonable access to the Customer's facility to inspect pre-existing equipment (if applicable) and energy efficient measures installed under this program.

**Warranty Information:** The Utility makes no warranties, expressed or implied, with respect to equipment operation, material, workmanship or manufacturing. The Utility does not guarantee that a certain level of energy or cost savings will result from the use of products covered by this program.

**Limitation of Liability:** The Utility's liability in connection with this program is limited to paying the rebate specified when all terms and conditions have been satisfied. Under no circumstances shall the Utility be liable for any consequential or incidental damages or tax liability resulting from participation in this program.

**Participant Certification:** Participating Customer certifies that he/she purchased and installed the equipment listed on their application at the defined location served by the Utility. The Customer agrees that all information provided is true and that he/she has conformed to all program requirements. If the equipment and application does not comply with the Utility's rules and qualifications, the rebate amount may be denied or adjusted.

**Program Changes/Termination:** The Utility reserves the right to extend, modify (including incentive levels) or terminate this Program at any time without prior or further notice. The Customer is responsible for checking with the Utility to determine whether the program has been changed or is still in effect.

Customers must apply for rebates within six (6) months of the purchase date (as shown on the Customer's invoice) and are subject to the current year program offer if received after January 31st. Past eligibility, however, does not guarantee that equipment will meet criteria for current programs in effect.

Mechanical Engineer Signature (or person responsible for equipment specifications)	effect.	Date
Member Signature (company representative)		Date

Company	Account Number	Date

#### **Rebate Calculations:**

All calculations require the Total System Tons (calculated from subtotals of all Equipment Worksheets)

Total Cooling Capacity / 12,000 = # of Tons:

The commercial heat pump rebate is a per ton value that drops after the total system size exceeds 40 ton. The corresponding rebate (per ton) for each block is multiplied by the number of tons in each block.

If there are questions in filling out this form, please call the Utility. If you prefer to skip this section, then complete the main incentive form and equipment worksheets and the rebate can be calculated for you by the Utility.

# Geothermal and Water Source Heat Pump Incentives Geothermal Closed Loop System

			Rebate		
	TONS		Per Ton		REBATE
First 40 Tons		х	\$400	=	
Remaining		х	\$175	=	
			Total Rebate	\$	

Maximum: \$50,000 Per Customer

Geothermal Open Loop System					
	Rebate Per				
	TONS		Ton		REBATE
First 40 Tons		х	\$300	=	
Remaining		х	\$125	=	
Total Rehate \$					

Maximum: \$30,000 Per Customer

Water Source System						
		Rebate Per	r			
TON	S	Ton		REBATE		
First 40 Tons	х	\$200	=			
Remaining	х	\$75	=			
		Total Rebat	<b>e</b> \$			
Maximum: \$25,000 Per Custor	ner		_			

Geothermal and Water Source Unit Replacement					
	Rebate Per				
	TONS		Ton		REBATE
First 200 Tons		х	\$75	=	
			Total Rebate	\$	
Maximum: \$15,000 Pe	er Customer				

### Air Source Heat Pump (ASHP) Incentives

			Rebate Per		
	TONS		Ton		REBATE
First 40 Tons		x	\$200	=	
Remaining		х	\$50	=	

**Total Rebate** 

Maximum: \$15,000 Per Customer

Standard ASHP (Split or Packaged)

<b>ENERGY STAR ASHP</b>	(Split or Packaged)
ENERGI SIAN ASHF (	Split of Fackageu)

			Rebate Per		
	TONS		Ton		REBATE
First 40 Tons		х	\$250	=	
Remaining		х	\$100	=	
			Total Rebat	<b>e</b> \$	

Maximum: \$25,000 Per Customer

## Contractor Incentives Contractor Incentive - All Heat Pump Equipment

TONS*		Rebate Per Ton	REBATE				
	Х	\$40	=				

\* Contractor Incentive only applicable to first 50 tons (\$2,000 maximum)

Must complete "Commercial Heat Pump Incentives" (Form C4) and the appropriate equipment worksheets for your type of system.