



2074 242nd Street  
 Marshalltown, IA 50158  
 Phone: 641-752-1593  
 www.consumersenergy.coop

**2019 INCENTIVES**

**Agricultural Dairy Equipment**

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

**Member Information** Check if wind or solar generation is installed.

Company		Account Number		Phone	
Facility Address (equipment location)		City		State	Zip Code
Mailing Address (if different than facility address above)		City		State	Zip Code
First Name (contact person)		Last Name		Email Address	

**Installation and Equipment Information**

**CHECK ONE:**  Replacement of Existing Equipment     New Equipment in Existing Facility     New Construction

**DATE INSTALLED**

Please enter all information below, including the total installed costs for all equipment installed as part of the system for which a rebate is being requested.

	<b>Milk Pre-Cooler</b>	<b>Refrigerant Heat Reclaimer</b> (must be connected to electric water heater)	<b>Scroll Compressor</b> (only for replacement of Reciprocating Compressor)	<b>Variable Speed Vacuum Pump</b>
Brand				
Model Number				
Installed Price				
Annual Operation Hours				
Power Input (Watts)				
Number of Units	(cows)*	(cows)*	(units)	(controlled horsepower)**
Rebate Per Unit	X \$4 per cow	X \$5 per cow	X \$250 / unit	X \$40 / horsepower
<b>REBATE</b>				

\* Number of cows currently being milked that are served by this equipment. Round up to nearest 25.  
 \*\* Horsepower rated at full load for pumping equipment controlled.

**REBATE**

NOTE: Maximum rebate per location is \$2,000 per year for each technology.  
 Rebate not to exceed installed cost.

Attach copy of sales invoice or receipts and manufacturer's spec sheets.

**Member and Vendor Agreement**

By signing below, Member and contractor/vendor agree to the Terms and Conditions (see back or separate page) for this program.

Member Name/Title		Contractor/Vendor Name/Title	
Member Signature	Date	Contractor/Vendor Signature	Date
<b>Office Use Only:</b>		Notes:	Authorized Amount
Cooperative ID	Employee Name		

NOTE: Incentive amounts of \$200 or less will be shown as a credit on your bill. Incentive amounts greater than \$200 (check one):  Issue a check for incentive amount     Issue a credit on your bill

## Terms and Conditions - Dairy Equipment Incentives

**Program Offer:** The Program covers products purchased and/or services rendered on or after **January 1, 2019**.

### General Requirements:

1. The National Electric Code should be followed for all applicable wiring and grounding.
2. Dairy Pre-coolers:
  - Heat exchangers should have a filter to avoid rapid clogging of the pre-cooler.
  - The number of cows currently providing milk processed by this equipment shall define the number of cows used to calculate the incentive.
3. Refrigerant Heat Reclaimers:
  - Facility must only use electric water heaters to be eligible for compressor refrigerant heat reclaimer incentives.
  - The number of cows currently providing milk processed by this equipment shall define the number of cows used to calculate the incentive.
4. Scroll Compressors: Must replace an existing reciprocating compressor for milk cooling system.
6. Variable Speed Vacuum Pumps:
  - Rebate is based on the controlled horsepower output of pump at rated full load.
  - Must meet applicable IEEE standards for harmonics control. The ASD must have either an input line reactor or isolation transformer.
  - It is recommended that a 3% impedance reactor, based on the horsepower rating of the ASD, be installed.

### Design Recommendations:

#### Dairy Pre-Coolers

- The plate exchangers should be of a flexible design so that plates may be added or subtracted to give the desired heat exchange capacity.
- When properly installed, the plate cooler should wash in place with the rest of the milking system, requiring no additional cleaning procedures.
- To conserve water, a water bypass should be installed on the plate exchanger. The valve should operate with the milk pump allowing maximum water flow through the exchanger when milk is being pumped, but only a small trickle when the milk pump shuts down.
- The water outlet can use an electromagnetic valve to avoid wasting chilled water.

#### Suggested Features of Pre-Cooler Plates:

- High grade type 304 stainless steel plates and all fittings of type 303 and 304 stainless steel
- Nitrile rubber gasket resistant to oil and fats
- Completely closed system for maximum hygiene and product protection
- Easy maintenance and inspection without disassembly

### General Terms and Conditions

**Rebates shall be pro-rated based on the percent of power supplied by the Cooperative if the member 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 Cooperative reserves the right to verify sales transactions and to have reasonable access to the Member's facility to inspect pre-existing equipment (if applicable) and energy efficient measures installed under this program.

**Warranty Information:** The Cooperative makes no warranties, expressed or implied, with respect to equipment operation, material, workmanship or manufacturing. The Cooperative 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 Cooperative'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 Cooperative be liable for any consequential or incidental damages or tax liability resulting from participation in this program.

**Participant Certification:** Participating Member certifies that he/she purchased and installed the equipment listed on their application at the defined location served by the Cooperative. The Member 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 Cooperative's rules and qualifications, the rebate amount may be denied or adjusted.

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

**Members must apply for rebates within six (6) months of the purchase date (as shown on the Member's invoice). Past eligibility, however, does not guarantee that equipment will meet criteria for current programs in effect.**