




**Guthrie County REC**

A Touchstone Energy® Cooperative 

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www.guthrie-rec.coop

# Agricultural Livestock Ventilation

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

- IMPORTANT:**
- Ventilation and circulation fans must be tested by the Bio Environmental and Structural Systems Laboratory (BESS Labs) at the University of Illinois and have performance ratings (CFM/Watt or Thrust lbs./kW) that meet the criteria shown on the tables below.
  - CFM and CFM/Watt values for ventilation fans **must be rated at a static pressure of 0.10 inches.**
  - Prior to purchase**, see Terms and Conditions for all equipment requirements (on back of form or provided separately).

- INSTALLATION TYPE:
- Replacement of existing equipment
  - New equipment in existing facility
  - New construction

### Ventilation Fan Table:

| Fan Size | Minimum CFM/Watt |
|----------|------------------|
| 14"- 23" | 10.5             |
| 24"- 35" | 13.0             |
| 36"- 47" | 16.5             |
| 48"- 49" | 18.5             |
| 50" & up | 19.5             |

### Circulation Fan Table:

| Fan Size | Minimum lbsf thrust/kW |
|----------|------------------------|
| 12"- 23" | 11.0                   |
| 24"- 35" | 15.0                   |
| 36"- 47" | 18.5                   |
| 48" & up | 23.0                   |

DATE INSTALLED

### Ventilation Fans:

| Brand | Model | BESS Test# | Operating Hrs/Yr | CFM | CFM/Watt | Size (inches) | Rebate Per Inch | Qty | Rebate (Inch X Rebate Per Inch X Qty) |
|-------|-------|------------|------------------|-----|----------|---------------|-----------------|-----|---------------------------------------|
|       |       |            |                  |     |          |               | x \$3           |     |                                       |
|       |       |            |                  |     |          |               | x \$3           |     |                                       |
|       |       |            |                  |     |          |               | x \$3           |     |                                       |

### Circulation Fans:

| Brand | Model | BESS Test# | Operating Hrs/Yr | Input kW | Lb <sub>f</sub> Thrust/kW | Size (inches) | Rebate Per Inch | Qty | Rebate (Inch X Rebate Per Inch X Qty) |
|-------|-------|------------|------------------|----------|---------------------------|---------------|-----------------|-----|---------------------------------------|
|       |       |            |                  |          |                           |               | x \$1           |     |                                       |
|       |       |            |                  |          |                           |               | x \$1           |     |                                       |
|       |       |            |                  |          |                           |               | x \$1           |     |                                       |

### High Volume Low Speed Fans (HVLS):

| Brand | Model | Installed Cost | Operating Hrs/Yr | Input kW | Fan Diameter (feet) | Rebate Per Foot | Qty | Rebate (Feet X Rebate Per Foot X Qty) | <b>TOTAL REBATE</b> |
|-------|-------|----------------|------------------|----------|---------------------|-----------------|-----|---------------------------------------|---------------------|
|       |       |                |                  |          |                     | x \$35          |     |                                       |                     |
|       |       |                |                  |          |                     | x \$35          |     |                                       |                     |
|       |       |                |                  |          |                     | x \$35          |     |                                       |                     |

Attach all invoices and manufacturer's spec sheets.

Maximum rebate per facility is \$5,000 per year, not to exceed installed cost.

### Ventilation Controllers:

|       |       |                   |                  |                |     |            |        |
|-------|-------|-------------------|------------------|----------------|-----|------------|--------|
| Brand | Model | # Fans controlled | Operating Hrs/Yr | Installed Cost | Qty | x \$25 ea. | REBATE |
|-------|-------|-------------------|------------------|----------------|-----|------------|--------|

## 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> | Cooperative ID | Notes:                       | Authorized Amount |
|                         | Employee Name  |                              |                   |

## Terms and Conditions - Efficient Livestock Ventilation and Circulation Fan Incentives

**Program Offer:** The Program covers products purchased and/or services rendered on or after **January 1, 2024**.

### Ventilation Fan Requirements:

1. Ventilation fans must be of the type designed and installed for the purpose of exhausting indoor air and providing fresh air to create a healthy environment for animals and associated farm workers.
2. The building design must allow for air inlets to provide fresh outdoor air when ventilation fans are exhausting the indoor air.
3. Agricultural ventilation fans must be listed as Agricultural Ventilation Fans by Bio Environmental and Structural Systems Laboratory (BESS Labs) and found on their website located at <http://bess.illinois.edu>.
4. Fan size used for rebate calculation is based on the fan blade diameter (inches) as listed by BESS Labs (see above requirement).
5. CFM and efficiency (CFM/watt) values provided for fans below **must be rated at a static pressure of 0.10 inches** as published by BESS Labs.

### Required Ventilation Fan Efficiency:

| Size      | Minimum Efficiency                      |
|-----------|---|
| 14" - 23" | 10.5 CFM/Watt @ 0.1 in. static pressure |
| 24" - 35" | 13 CFM/Watt @ 0.1 in. static pressure   |
| 36" - 47" | 16.5 CFM/Watt @ 0.1 in. static pressure |
| 48" - 49" | 18.5 CFM/Watt @ 0.1 in. static pressure |
| 50" & up  | 19.5 CFM/Watt @ 0.1 in. static pressure |

### Circulation Fan Requirements

1. Circulation fans must be listed as Circulating Fans by Bio Environmental and Structural Systems Laboratory (BESS Labs) and found on their website located at <http://bess.illinois.edu>.
2. Fan size used for rebate calculation is based on the fan blade diameter (inches) as listed by BESS Labs (see above requirement).
3. Circulation fans must be tested by BESS Labs and the lbs. thrust/kW must equal or exceed the minimum shown for each fan size.

### Required Circulation Fan Efficiency:

| Size      | Minimum Efficiency  |
|-----------|---------------------|
| 12" - 23" | 11 lbs. thrust/kW   |
| 24" - 35" | 15 lbs. thrust/kW   |
| 36" - 47" | 18.5 lbs. thrust/kW |
| 48" & up  | 23 lbs. thrust/kW   |

### Ventilation Thermostat Controller Requirements:

The controller must have both thermostat and humidistat functions.

### High Volume Low Speed Fans (HVLS) Requirements:

1. Must be ceiling mounted fans with a diameter of 10 foot or more.
2. Fan size used for rebate calculation is based on the fan blade diameter (in Feet) as published by manufacturer (subject to verification).
3. All fans are subject to approval by the Cooperative. Pre-approval of specific fan models is recommended to ensure qualification.

### 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) 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.