Agricultural Ventilation Rebates

Rebate Application

Business Member Information

Business Name _____

Installation Address _____

City, State, Zip _____

Contact Name _____

Email _____

Phone Number _____

Account Number _____

Application Check List

- ☐ Rebate application with signature
- ☐ Itemized project invoices (labor & materials)
- ☐ Equipment specifications

The undersigned does hereby certify that the undersigned is solely responsible for the accuracy of the information contained in this application. All rules of the program have been followed and the installation is complete. The undersigned acknowledges that nothing contained in the application imposes any liability on the cooperative for the work performed and information presented by the member, member's engineer, contractor, or vendor. The undersigned also authorized payment of incentive directly to the specified rebate recipient.

Rebate applications due no later than November 18, 2022.

Member Signature

_____

Date

_____

Application Number

_____

ENERGY WISE MN

Stearns Electric Association
PO Box 816, St. Joseph, MN 56374
(800) 962-0655

Agricultural Ventilation Rebates

Rules & Information

Warranty Information

Rebate qualifications do not imply any representation or warranty of such equipment, design or installation by the cooperative. The cooperative shall not be responsible or liable for any personal injury or property damage caused by this equipment. The cooperative does not guarantee that a specific level of energy or cost savings will result from the implementation of energy conservation measures or the use of products funded under this program. In no event shall the cooperative be liable for any incidental or consequential damages.

Additional Program Rules

1. Evaluation must be complete before funds will be issued for the rebate.

2. Members and vendors must submit itemized equipment invoices, along with rebate application and worksheet, to the cooperative. To ensure that the equipment installed meets the cooperative's performance standards, these invoices must itemize labor charges, quantity and price of the equipment installed, as well as information regarding the manufacturer and model numbers for all equipment included in the rebate.

3. Rebates must be applied for within 12 months of invoice date.
4. The cooperative reserves the right to conduct random inspections of installations.
5. Project must comply with all program specific rules and qualifications.
6. The member is responsible for checking with the cooperative to determine funding availability and to verify program parameters.
7. The rebate shall not exceed 25% of materials cost OR project cost up to $10,000 per member.

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Agricultural Ventilation

Equipment & Rebate Information

Exhaust Fans $15/each

Fan Size (in.)	Min CFM/watt req.	Actual CFM/watt	Quantity	Rebate
				0
				0
				0

*Actual CFM/watt > minimum CFM/watt (found on "Rules & Information" tab)

Circulation Fans $25/ea

Fan Size (in.)	Min CFM/watt req.	Actual CFM/watt	Quantity	Rebate
				0
				0
				0

High Volume, Low Speed (HVLS) Fans $400/each

Old fan size (in)	Old quantity	HVLS fan size	New quantity	Rebate
				0
				0
				0

Rebate Information

Hours of Operation	
Project Cost	
Rebate	**$0.00**

Minimum Efficiencies

Circulation Fans - generally used to regulate airflow and temperature. As the diameter of fan increases, so should the efficiency. These fans work best in free stall barns with two, four, or six rows and are generally located in 30-40 foot intervals over the feed alley and free stall area.

Exhaust Fans - generally used for ventilation. To achieve *cross ventilation* , fans are installed on one wall to pull air from one side of the barn to the other. Exhaust fans also can be designed for *tunnel ventilation* where fans are installed on one end of the barn and move air across to the rest of the barn. generally thermostatically controlled to turn on banks of fans when the temperature hits the set point. Exhaust fans should be installed away from prevailing winds. Similar with circulation fans, when exhaust fan diameter increases, efficiency should also increase.

High-Volume, Low-Speed (HVLS) - these fans move large volumes of air over a large area. They are available in a range of sizes, typically from starting around four feet and ranging up to 24 feet in diameter. Energy savings is achieved through use of fewer fans to move the same CFM with a more efficient design.

Exhaust	CFM/watt
16-23 in.	10.5
24-35 in.	11.5
36-47 in.	15.5
48-51 in.	20.3
52-59 in	20.8
60-72 in.	21.1

Through the wall & tunnel ventilation static pressure 0.10

Circulation	CFM/watt
24-35 in.	11.9
36-47 in.	15.5
48-64 in.	17.7

panel, box, and cage fans static pressure 0.10

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HVLS

HVLS fans should be fewer in quantity than the old fans

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