



## 2009 Commercial, Industrial & Agricultural Agriculture Ventilation Energy Efficiency Rebate Application

Connexus Energy, 14601 Ramsey Blvd., Ramsey, MN 55303, 763-323-2600

**Business Name:** \_\_\_\_\_

**Mailing Address:** \_\_\_\_\_ **Phone** \_\_\_\_\_

\_\_\_\_\_

**Installation Address:** \_\_\_\_\_  
(if different from above) \_\_\_\_\_

**Account Number:** \_\_\_\_\_

**Contact Name:** \_\_\_\_\_ **Phone** \_\_\_\_\_

**Email Address:** \_\_\_\_\_

**Co-op Rep:** \_\_\_\_\_ **Date** \_\_\_\_\_

**Qualifying Customers:** Applicable to commercial, industrial and agricultural customers of Connexus Energy.

**Rebate Program:** Connexus Energy offers rebates to our customers who purchase and install qualifying energy-efficient products. If the system configuration does not fit one of the prescriptive rebates, the project may still qualify for a rebate through the Custom Energy Rebate program.

**Warranty Information:** Rebate qualifications do not imply any representation or warranty of such equipment, design, or installation by Connexus Energy. Connexus Energy shall not be responsible or liable for any personal injury or property damage caused by this equipment. Connexus Energy 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 Connexus Energy be liable for any incidental or consequential damages.

### Other Important Program Rules

1. The Custom Energy Rebate application must be pre-approved by Connexus Energy.
2. Installation must be complete before funds will be issued for the rebate.
3. Customers and vendors must submit itemized equipment invoices along with rebate applications, and worksheet to Connexus Energy. To ensure that the equipment installed meets Connexus Energy's performance standards, these invoices must itemize labor charges, quantity and price of the equipment installed, recycling fees, and information regarding the manufacturer and model numbers for all equipment included in the rebate.
4. Connexus Energy reserves the right to conduct random inspections of installations.
5. The customer is responsible for checking with Connexus Energy to determine whether funding is available and to verify program parameters.
6. Rebate must comply with all program specific rules and qualifications
7. Qualifying customers must apply for Year 2009 rebates no later than November 30, 2009.
8. The maximum rebate amount shall be the lesser of 50% of the project cost or \$100,000 (\$150,000 for retrofit projects with prior approval from Connexus Energy).

### The undersigned does hereby certify that:

- 1) The undersigned, and not Connexus Energy, is solely responsible for the accuracy of the information contained in this application
- 2) All rules of the rebate program have been followed
- 3) The installation is complete.
- 4) The undersigned acknowledges that nothing contained in the application shall impose any liability on Connexus Energy for the work performed and information presented by the customer's engineer, contractor, or vendor.

**Customer Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_



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### Existing System Description (E)

Describe the existing system in terms of demand and energy requirements, efficiency, operating hours and the number of units being replaced. This data may be supplied in terms of production. Include supporting documentation and specifications as attachments as required.

# fan	cfm/fan	Fan Effic. cfm/W	Hrs/Yr	% of hours at full load	Recommended minimum efficiencies for energy efficient agricultural ventilation fans			
					Static Press(in.H2O)	Fan Efficiency (cfm/W)		
						24 in.	36 in.	48 in.
					0.00	14	20.4	21.9
					0.05	12.9	18.3	19.7
					0.10	11.9	16.2	17.6
					0.15	10.9	14.1	15.4
					0.20	9.7	11.4	12.6
					0.25	8.2	8.6	9.8
					0.00	HVLS (16 ft. minimum) - 200		

**Project Type (E)**

**Maximum  
Demand**  
\_\_\_\_\_  
(kW)

**Summer Coincidental  
Demand**  
\_\_\_\_\_  
(kW)

**Annual  
Energy**  
\_\_\_\_\_  
(kWh)

### New System Description (N)

Describe the new system in terms of demand and energy requirements, efficiency, operating hours and the number of units being replaced. This data may be supplied in terms of production. Include supporting documentation and specifications as attachments as required.

# fan	cfm/fan	Fan Effic. cfm/W	Hrs/Yr	% of hours at full load	
kWh/Yr	HP	kW			
	0.5				
	0.5				
	0.5				
	0.5				

**Project Type (N)**

**Maximum  
Demand**  
Total \_\_\_\_\_  
(kW)

**Summer Coincidental  
Demand**  
\_\_\_\_\_  
(kW)

**Annual  
Energy**  
\_\_\_\_\_  
(kWh)

**Estimated Energy Savings:**



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**Environmental Assurances:** Describe how hazardous wastes which may result from this project will be handled.

**Power Quality:** Does the project meet power quality requirements:

Power Factor:

Harmonic Distortion:

If "yes" in either case, the cooperative should have a copy of the specification sheets on file at their office.

**Removed Equipment:** Describe how removed equipment will be made inoperable.

### Demand & Energy Savings Calculations

Summer Coincidental Demand Savings:

kW(E) - kW(N) =  kW

Average Demand Savings:

kW(E) - kW(N) =  kW

Average Annual Energy Savings:

kWh(E) - kWh(N) =  kWh

Estimated Annual Demand Savings:

Demand Rate - \$/kW

# of Months

kW  /kW x  = \_\_\_\_\_

kW - Second Tier

/kW x  = \_\_\_\_\_

**Demand Cost Savings**

Estimated Annual Energy Savings:

Energy Rate

# of Months

kWh/month  /kWh x  = \_\_\_\_\_

kWh/month

/kWh x  = \_\_\_\_\_

**Energy Cost Savings**

**Total Annual Cost Savings**

ENTER Total Project Cost:  *Incremental Cost: Standard vs. High Efficient*

kW Value:   *Calculated Rebate based on kW savings*

ENTER requested rebate amount:  *Maximum rebate amount shall be the lesser of 50% of the total project cost or \$100,000 (\$150,000 for retrofit projects with prior approval from Connexus Energy)*

Benefit Cost Ratio:  *Must be ≥ 2.00 - Increase BCR to meet all criteria*

After rebate project cost:  *Project cost less Rebate amount requested*

Simple Payback after rebate (yrs)  *SPB Must > 1 yr. Total Savings / After rebate project cost*