



2009 Commercial, Industrial & Agricultural New Construction Lighting 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 qualifying customers who purchase and install qualifying energy-efficient lighting products in new buildings. If the system configuration does not fit one of the prescriptive rebates shown the project may still qualify for a rebate through the Custom Energy Rebate program. The Custom Energy Rebate requires review and approval by the participating member cooperative and Great River Energy. Illuminating Engineering Society (IES) light levels are recommended.

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. Installation must be complete before funds will be issued for the rebate.
2. 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.
3. Connexus Energy reserves the right to conduct random inspections of installations.
4. The customer is responsible for checking with Connexus Energy to determine whether funding is available and to verify program parameters.
5. Rebate must comply with all program specific rules and qualifications.
6. Qualifying customers must apply for Year 2009 rebates no later than November 30, 2009.
7. 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
- 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:** _____

Program Specific Rules:

1. Fluorescent T5 Lamps with Electronic Ballast: Rebate based on the installation of fluorescent T5 controlled by electronic ballasts.

2. Fluorescent Super T8 Lamps with Electronic Ballast

- ◆ Lamps: produce at least 3,100 initial lumens; color-rendering index (CRI) ≥81; mean lamp lumens per watt ≥90 for instant start ballast or ≥88 for programmed rapid start ballast; lamp life ≥24,000 hours (at 3 hrs/start); and lumen maintenance ≥94%.
- ◆ Ballast must have a ballast efficacy factor (BEF) at least as high as the factors shown in the tables below.

Instant Start Ballast (BEF)			
Lamps	Low (BF ≤ 0.85)	Normal (0.85 < BF ≤ 1.0)	High (BF ≥ 1.01)
1	3.08	3.11	N/A
2	1.60	1.58	1.55
3	1.04	1.05	1.04
4	0.79	0.80	0.77

Programmed Rapid Start Ballast (BEF)			
Lamps	Low (BF ≤ 0.85)	Normal (0.85 < BF ≤ 1.0)	High (BF ≥ 1.01)
1	2.84	2.84	N/A
2	1.48	1.47	N/A
3	0.97	1.00	N/A
4	0.76	0.75	N/A

3. Fluorescent T8 Lamps - Low-wattage: Rebate based on the installation of 4-ft T8 lamps less than or equal to 28W. Rebate is based on the number of lamps.

4. High-bay Fluorescent T8 and T5HO Lamps with Electronic Ballast: Eligible for rebates are 6 or 8-lamp systems or 4-lamp T5 HO systems. High-bay fluorescent T8 6- or 8-lamp and high-bay fluorescent T5HO 4-lamp fixtures must meet the following minimum eligibility criteria:

- ◆ Total fixture wattage < 240W
- ◆ Initial lumens ≥ 20,000
- ◆ Fixture efficiency >80%
- ◆ Lumen maintenance >90%
- ◆ Fixtures must have reflectors

5. Compact Fluorescent Fixtures (CFL's): Rebates are available for new hard-wired (dedicated) or modular fixtures containing pin based CFL's. For fixtures that house more than one lamp, the rebate is based on the total fixture wattage. (i.e., one fixture that houses (2) 18W CFL's would be rebated as (1) 36W CFL fixture. Screw-based (integral) CFL's do not qualify.

6. Metal Halide (MH) and High Pressure Sodium (HPS) Fixtures: Rebate are based on the installation of a MH or HPS fixtures less than or equal to 150W.

7. Pulse Start Metal Halide (PSMH) Fixtures: Rebate are based on the installation of a PSMH fixture.

8. Ceramic Metal Halide Fixtures: Rebate are based on the installation of a ceramic metal halide fixture.



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Fixture Type			Rebate				Savings		
			\$/Unit	Quantity	Rebate	Hrs/Yr	Kw/Unit	kW	kWh/Year
Fluorescent T5 Lamps with Electronic Ballasts	≤ 4 ft	3 and 4 lamp	\$2.75				0.060		
		1 and 2 lamp	\$2.20				0.045		
Fluorescent Super T8 Lamps with Electronic Ballasts	≤ 4 ft.	3 and 4 lamp	\$2.50				0.059		
		1 and 2 lamp	\$1.90				0.026		
	5 ft to 8 ft	2 lamp	\$2.75				0.044		
		1 lamp	\$2.00				0.044		
Low-Wattage Fluorescent T8 Lamps	4 ft., ≤ 28W	1 lamp	\$0.55				0.004		
High-bay Fluorescent T8 Lamps with Electronic Ballasts	4 ft	6 and 8 lamp	\$15.00				0.200		
High-bay Fluorescent T5 HO Lamps with Electronic Ballasts	4 ft.	6 and 8 lamp	\$20.00				0.100		
	≤ 4 ft	4 lamp	\$15.00				0.125		
Hardwired or Modular Compact Fluorescent Fixtures (does not include screw-base CFL's)	33W to 56W		\$8.80				0.174		
	19W to 32W		\$5.50				0.039		
	≤ 18W		\$3.30				0.067		
Metal Halide and High Pressure Sodium Fixtures	≤ 150W		\$6.60				0.118		
Pulse-Start Metal Halide Fixtures	≥ 750W		\$19.80				0.234		
	320W - 749W		\$13.20				0.105		
	176W - 319W		\$8.80				0.105		
	≤ 175W		\$6.50				0.105		
Ceramic Metal Halide Fixtures	≥ 251W		\$16.50				0.080		
	151W - 250W		\$11.00				0.060		
	≤ 150W		\$22.00				0.040		
Automatic Controls (Must be permanently installed)	Photocell		\$7.00				0.000		
	Ceiling Mount Occupancy Sensor		\$20.00				0.000		
	Wall Mount Occupancy Sensor		\$7.00				0.000		

**Required Information. Must enter total project cost to determine rebate.

****Total Project Cost**

Total Rebate

Estimated Demand (kW) Savings

Estimated Annual Energy (kWh) Savings
