



2009 Commercial, Industrial & Agricultural Lighting Retrofit 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: _____ **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 lighting products in existing 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 prior review and approval by Connexus 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 T8 or T5 Lamps with Electronic Ballast: Rebates based on installed equipment of one-for-one replacement of incandescent fixtures or fluorescent T12 lamps controlled by magnetic ballasts.

2. Fluorescent Super T8 Lamps with Electronic Ballast: Rebate based on installed equipment of one-for-one replacement of incandescent fixtures or fluorescent T12 lamps controlled by magnetic ballasts. Super T8 systems must meet the following CEE criteria:

◆ 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 $\geq 24,000$ hours (at 3 hrs/start); and lumen maintenance $\geq 94\%$.

◆ Ballasts; 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 ($BF \leq 0.85$)	Normal ($0.85 < BF \leq 1.0$)	High ($BF \geq 1.01$)
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 ($BF \leq 0.85$)	Normal ($0.85 < BF \leq 1.0$)	High ($BF \geq 1.01$)
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. Low-wattage T8 Lamps: Rebates are based on the installation of 4-ft T8 lamps 28W or less. Rebate is based on the number of lamps.

Example A: Replace a 4-lamp 4-ft. T12 fixture with a 4-lamp 4-ft. T8 fixture with 28W T8 lamps; Rebate equals the T12 to T8 fixture retrofit rebate of \$20 plus the low-wattage T8 rebate of \$2.20 ($\$.55 \times 4$) for a total rebate of \$20.20.

Example B: Remove standard 32W 4-ft. T8 lamp from a fixture and install a 28W T8 lamp. Rebate equals \$0.55.

4. High-bay Fluorescent T8 and T5HO Lamps with Electronic Ballast: Rebates are based on one-for-one replacement of 400W HID fixtures including mercury vapor, high pressure sodium, metal halide, or pulse start metal halide. High-bay fluorescents T8 6- or 8-lamp fixtures and high-bay fluorescent T5 HO 4-lamp fixtures must meet:

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

5. Compact Fluorescent Fixtures (CFL's): Rebates are based on one-for-one replacement of incandescent fixtures with 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 CFL's qualify at lower monetary levels.

6. Industrial Multi-Compact Fluorescent Fixtures: Rebates are based on one-for-one replacement of metal halide or fluorescent T12 lamps controlled by magnetic ballasts.

7. Metal Halide (MH) and High Pressure Sodium (HPS) Fixtures: Rebates are based on one-for-one replacement of incandescent or mercury vapor fixtures. Metal halide and high pressure sodium lamp wattage must be lower than existing lamp wattage.

8. Pulse-Start Metal Halide (PSMH) Fixtures: Rebates are based on one-for-one replacement of incandescent, mercury vapor, high pressure sodium, or metal halide fixtures. Pulse-start lamp wattage must be lower than existing lamp wattage.

9. Ceramic Metal Halide Fixtures: Rebates are based on one-for-one replacement of incandescent, halogen, mercury vapor, high pressure sodium, metal halide, or pulse-start metal halide fixtures. Ceramic metal halide lamp wattage must be lower than existing lamp wattage.

10. Reflectors: Rebates are for permanently installed reflectors that have a minimum 4-year manufacturer's product warrant, are U.L. approved and result in the permanent removal of fluorescent lamps from the existing fixture. Rebates are based on the square footage of the reflector.

11. Automatic Controls - Occupancy Sensors, Photocells: Automatic controls must be permanently installed wall or ceiling mounted, passive infrared, ultrasonic, or dual technology sensors.

12. LED Exit Signs: Rebates are based on one-for-one replacement of the entire incandescent exit signs to LED exit signs. CFL exit signs do not qualify.



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Business Name:

Fixture Type		\$/Unit	Quantity	Rebate
Fluorescent T5 Lamps with Electronic Ballasts	≤ 4 ft.	3 and 4 lamp	\$21.00	
		1 and 2 lamp	\$13.00	
Fluorescent T8 Lamps with Electronic Ballasts	≤ 4 ft.	3 and 4 lamp	\$20.00	
		1 and 2 lamp	\$12.00	
	5 ft. to 8 ft.	2 lamp	\$20.00	
		1 lamp	\$12.00	
Fluorescent Super T8 Lamps with Electronic Ballasts	≤ 4 ft.	3 and 4 lamp	\$20.00	
		1 and 2 lamp	\$12.00	
	5 ft. to 8 ft.	2 lamp	\$18.00	
		1 lamp	\$10.00	
Low-Wattage Fluorescent T8 Lamps	≤ 4 ft., ≤ 28W	1 lamp	\$0.55	
High-bay Fluorescent Lamps with Electronic Ballasts Replacing 400W HID systems	T8 4 ft	6 and 8 lamp	\$80.00	
	T5 - ≤ 4 ft	6 and 8 lamp	\$45.00	
	T5 - ≤ 4 ft	4 lamp	\$80.00	
Hardwired or Modular Compact Fluorescent Fixtures (does not include screw-base CFL's)	33W to 56W		\$26.00	
	19W to 32W		\$20.00	
	≤ 18W		\$10.00	
Screw-Base Compact Fluorescent Lights	33W to 56W		\$6.00	
	19W to 32W		\$4.00	
	≤ 18W		\$2.00	
Industrial Multi-CFL Fixtures	Replace T12 or metal halide systems		\$33.00	
Metal Halide and High Pressure Sodium Fixtures	≥ 251W		\$55.00	
	151W - 250W		\$35.00	
	≤ 150W		\$25.00	
Pulse-Start Metal Halide Fixtures	≥ 750W		\$80.00	
	320W - 749W		\$70.00	
	176W - 319W		\$55.00	
	≤ 175W		\$35.00	
Ceramic Metal Halide Fixtures	≥ 251W		\$75.00	
	151W - 250W		\$50.00	
	≤ 150W		\$35.00	
Reflectors	Must result in permanent removal of lamps from the existing systems.	sq. ft.	\$0.50	
		sq. ft.	\$0.50	
Automatic Controls (Must be permanently installed)	Photocell		\$14.00	
	Ceiling Mount Occupancy Sensor		\$40.00	
	Wall Mount Occupancy Sensor		\$14.00	
LED Exit Signs	Retrofit Only		\$10.00	

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

****Project Cost**
Total Rebate

