



**East Central Energy  
Commercial, Industrial & Agricultural  
Lighting Retrofit 2010 Rebate Application**

<b>Business Name:</b>	_____		
<b>Mailing Address:</b>	_____		<b>Phone</b> _____
	_____	_____	_____
	<b>City</b>	<b>State</b>	<b>Zip</b>
<b>Installation Address:</b>	_____		
(if different from above)	_____		
<b>Account Number:</b>	_____		
<b>Contact Name:</b>	_____		<b>Phone</b> _____
<b>Email Address:</b>	_____		

**VENDOR INFORMATION**

<b>Vendor Name:</b>	_____		
<b>Mailing Address:</b>	_____		
<b>City, State, ZIP:</b>	_____		
<b>Vendor Contact Name:</b>	_____		<b>Phone</b> _____

The undersigned does hereby certify that 1) The undersigned, and not East Central Energy, is solely responsible for the accuracy of the information contained in this application, 2) all rules of the Lighting Retrofit Rebate program have been followed, and 3) the installation is complete. Further, the undersigned acknowledges that nothing contained in the application shall impose any liability on East Central Energy for the work performed and information presented by the customer's engineer, contractor, or vendor.

**Warranty Information**

Rebate qualifications do not imply any representation or warranty of such equipment, design, or installation by East Central Energy. East Central Energy shall not be responsible or liable for any personal injury or property damage caused by this equipment. East Central 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 East Central 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 East Central Energy. To ensure that the equipment installed meets East Central Energy's performance standards, these invoices must itemize labor charges, quantity and price of the equipment installed, and information regarding the manufacturer and model numbers for all equipment included in the rebate.
3. East Central Energy reserves the right to conduct random inspections of installations.
4. The customer is responsible for checking with East Central Energy to determine whether funding is available and to verify program parameters.
5. The maximum rebate amount shall be the lesser of 50% of the project cost or \$100,000.
6. Rebate must comply with all program specific rules and qualifications (see complete list of rebate specific rules).
7. Qualifying customers must apply for Year 2009 rebates no later than November 30, 2010.

**Qualifying Customers**

This program is applicable to the commercial / industrial and agricultural customers of East Central Energy.

**Rebate Program Guidelines**

East Central Energy offers rebates to qualifying 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 review and approval by East Central Energy and Great River Energy. Illuminating Engineering Society (IES) light levels are recommended.

For questions, contact: East Central Energy 1-800-254-7944  
412 Main Ave. N.  
Braham, MN 55006

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



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**Specific Rules and Qualifications**

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 or other fixture type that produce similar kWh and kW savings.

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, or other fixture type that produce similar kWh and kW savings. 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 ≥24,000 hours (at 3 hrs/start); and lumen maintenance ≥94%.
- ◆ Ballasts; must have a ballast efficacy factor (BEF) at least as high as the factors shown in the tables below.

<b>Instant Start Ballast (BEF)</b>			
<b>Lamps</b>	<b>Low (BF ≤ 0.85)</b>	<b>Normal (0.85 &lt; BF ≤ 1.0)</b>	<b>High (BF ≥ 1.01)</b>
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

<b>Programmed Rapid Start Ballast (BEF)</b>			
<b>Lamps</b>	<b>Low (BF ≤ 0.85)</b>	<b>Normal (0.85 &lt; BF ≤ 1.0)</b>	<b>High (BF ≥ 1.01)</b>
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 x 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 the following criteria:

- ◆ Total fixture wattage < 240W
- ◆ Initial lumens ≥ 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.

11. Automatic Controls - Occupancy Sensors, Photocells. One rebate per circuit.

· 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.

13. Prescriptive rebates should maintain Illuminating Engineering Society (IES) recommended light levels.



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

Is the space mechanically cooled? Y/N \_\_\_\_\_

Fixture Type			\$/Unit	Quantity	Rebate	Hrs/Yr
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	Per lamp	\$ 0.55			
2-lamp T5HO, 3-lamp T5HO, 4-lamp T8	Replace HID 250W lamp systems		\$ 45.00			
3-lamp T8VHO, 4-6 lamp T5HO, 6-8 lamp T8	Replace HID 310-400W lamp systems		\$ 80.00			
6-lamp T8VHO, 8-lamp T5HO, 12-16-lamp T8	Replace HID 750W lamp systems		\$ 100.00			
8-lamp T8VHO, 10-lamp T5HO, 18-20-lamp T8	Replace HID 1000W lamp systems		\$ 125.00			
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) One rebate per circuit	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 to determine rebate.**

**\*\*Project Cost**  
**Total Rebate**

<b>GRE Representative</b>	
Initial:	
Date:	

**Estimated Demand (kW) Savings**  
**Estimated Annual Energy (kWh) Savings**

\_\_\_\_\_  
 East Central Energy Strategic Accounts Representative

\_\_\_\_\_  
 Date

