



**Elk River
Municipal Utilities**
13069 Orono Parkway, PO Box 430
Elk River, MN 55330
Phone # 763-441-2020

**Commercial and Industrial
2010 Lighting Retrofit Rebate Application**

Application # ERMU10-XXX

Business Name: _____

Mailing Address: _____ **Phone** _____

City **State** **Zip**

Installation Address: _____

(if different from above) _____

Account Number: _____

Contact Name: _____ **Phone** _____

Email Address: _____

VENDOR INFORMATION

Vendor Name: _____

Mailing Address: _____

City, State, ZIP: _____

Vendor Contact Name: _____ **Phone:** _____

The undersigned does hereby certify that 1) The undersigned, and not Elk River Municipal Utilities, 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 Elk River Municipal Utilities 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 Elk River Municipal Utilities. Elk River Municipal Utilities shall not be responsible or liable for any personal injury or property damage caused by this equipment. Elk River Municipal Utilities 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 Elk River Municipal Utilities 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 Elk River Municipal Utilities. To ensure that the equipment installed meets Elk River Municipal Utilities 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. Elk River Municipal Utilities will conduct pre and post installation inspections prior to issuing any rebates. Call 763-635-1330 to schedule.
4. The customer is responsible for checking with Elk River Municipal Utilities to determine whether funding is available and to verify program parameters.
5. Rebate must comply with all program rules and qualifications (see complete list of rebate specific rules).
6. Qualifying customers must apply for Year 2010 rebates no later than November 30, 2010.

Customer Signature: _____ **Date:** _____



Commercial and Industrial 2010 Lighting Retrofit Rebate Application 13069 Orono Parkway, PO Box 430

Qualifying Customers

This program is applicable to the commercial and industrial customers of Elk River Municipal Utilities.

Rebate Program Guidelines

Elk River Municipal Utilities 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 both Elk River Municipal Utilities and Great River Energy. Illuminating Engineering Society (IES) light levels are recommended.

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, fluorescent T12 lamps controlled by magnetic ballasts, or other fixture type that produce similar kW savings.
2. Fluorescent Super T8 Lamps with Electronic Ballast
 - Rebate based on installed equipment of one-for-one replacement of incandescent fixtures, fluorescent T12 lamps controlled by magnetic ballasts, or other fixture type that produce similar 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 $\geq 24,000$ 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.

Lamps	Instant Start Ballast (BEF)		
	Low (BF ≤ 0.85)	Normal ($0.85 < \text{BF} \leq 1.0$)	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

Lamps	Programmed Rapid Start Ballast (BEF)		
	Low (BF ≤ 0.85)	Normal ($0.85 < \text{BF} \leq 1.0$)	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. 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 ($\0.55×4) for a total rebate of \$22.20.
 - 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 $< 240\text{W}$
 - ◆ 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.
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.
14. 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 GRE).

**Commercial and Industrial
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2010 Rebate Application**

Business Name: 0

Air Conditioned (Y/N) -

Fixture Type			\$/Unit	Quantity	Rebate	Hrs/Yr
Fluorescent T5 Lamps with Electronic Ballasts	≤ 4 ft.	3 and 4 lamp	\$ 21.00		\$ -	2,080
		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		\$ -	
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 Fluorescent Fixtures (does not include screw-base CFL's)	Compact	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	0	\$ -	
		sq. ft.	\$ 0.50	0	\$ -	
Automatic Controls (Must be permanently installed, 1 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 \$ -

GRE Representative
Initial:
Date:

Estimated Demand (kW) Savings **0.00**
Estimated Annual Energy (kWh) Savings **0**

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Elk River Municipal Utilities Representative

Date

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