

# 2019 Commercial Lighting Retrofit Rebate Program (CIP #3)

## HOW TO APPLY



1. AMU provides energy efficiency rebates for the purchase and installation of qualifying lighting equipment. Additional lighting rebates, not listed on this application, may be available through our Custom Efficiency program which **requires pre-approval prior to starting a project.**
2. AMU does not endorse any particular manufacturer, product, or system design by offering these rebates. AMU does not expressly or implicitly warrant the performance of the installed equipment. AMU does not guarantee that a specific level of energy cost savings will result from implementing energy conservation measures or the use of products funded under this program.
3. The customer acknowledges that nothing contained in the application shall impose any liability on AMU for the work performed and information presented by the customer's engineer, contractor, or vendor. AMU is not liable for rebates promised to customers as a result of a contractor misrepresenting the program.
4. A signed application and detailed installation invoice (s) must be submitted to AMU **within 6 months of the invoice date.** Invoice (s) submitted **must** include itemized quantity, price, manufacturer's make and model numbers, and product codes for each material item and/or original equipment manufacturer (OEM) specification sheets. Mail the completed forms along with copies of your itemized paid receipt(s) or paid contractor invoice(s) with manufacturer name(s), model number(s), and any other required documentation to:  
Anoka Municipal Utility  
2015 First Avenue  
Anoka, MN 55303
5. The customer understands the program term is April 1<sup>st</sup>, 2019 through March 31<sup>st</sup>, 2020 or sooner if allocated funds from AMU are depleted. Applications will be accepted on a first-come, first-served basis. Please call us at **763-576-2904** before submitting your application to make sure rebate applications are still being accepted and funds are still available. This program shall at all times be subject to change or termination without prior notice.
6. AMU reserves the right to inspect customer facility (i.e.) for installation of materials listed on this rebate application and will need access to survey the installed project.
7. The maximum rebate amount shall be the lessor of 60% of the project cost (including equipment and labor) or \$100,000.
8. Make and retain a copy of all materials including application and rebate forms and paid receipts for one year.
9. If all the above criteria are met and verified, you will receive your rebate check as time allows. The customer is responsible for paying the contractor in full. Rebate checks are issued to the utility account holder only.
10. Questions? Check the rebate information on AMU's website or call us at **763-576-2904.**

# Qualified Equipment

**All fluorescent lighting upgrades must have written prior approval.**

## Fluorescent Super T8 Lamps with Electronic Ballast

Rebates are based upon one-for-one replacement of incandescent fixtures or 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  $\geq 81$ , mean lamp lumens per watt  $\geq 90$  for instant start ballast or  $\geq 88$  for programmed rapid start ballast, lamp life  $\geq 24,000$  hours at 3hrs/start, and lumen maintenance  $\geq 94\%$ .

Ballasts must have a ballast efficacy factor (BEF) equal to or greater than the factors shown in the table below.

Ballast Efficacy Factor (BEF) Table

Instant Start Ballast				Programmed Rapid Start Ballast			
No. of Lamps	Low BF $\leq$ 0.85	Normal 0.85<BF $\leq$ 1.0	High BF $\geq$ 1.01	No. of Lamps	Low BF $\leq$ 0.85	Normal 0.85<BF $\leq$ 1.0	High BF $\geq$ 1.01
1	3.08	3.11	$\geq 3.03$	1	2.84	2.84	$\geq 2.95$
2	1.60	1.58	1.55	2	1.48	1.47	$\geq 1.51$
3	1.04	1.05	1.04	3	0.97	1.00	$\geq 1.00$
4	0.79	0.80	0.77	4	0.76	0.75	$\geq 0.75$

## Low-wattage T8 Lamps

Rebates are based upon the installation of 4-foot T8 lamps 28W or less and calculated using the number of lamps. If replacing T12 fixture with T8 fixture, you may also include the number of Fluorescent T8 Lamps to calculate a rebate.

## Compact Fluorescent Lighting

Rebates are based upon one-for-one replacement of incandescent fixtures with new (integral) lights, hard-wired (dedicated) fixtures or modular fixtures containing pin-based compact fluorescent lamps (CFLs). For fixtures that house more than one lamp, the rebate is based on the total fixture wattage. (i.e., a single fixture that houses two 18W CFLs would be rebated as one 36W CFL lamps).

## High-bay Fluorescent T5HO, T8 and T8VHO Lamps with Electronic Ballasts

Rebates are based upon a one-for-one replacement of HID fixtures (including mercury vapor, high pressure sodium, metal halide, or pulse start metal halide) ranging in size from 250W to 1,000W. Fixture must include high efficiency electronic ballasts. For T8 6-8 lamp and four lamp T5 HO fixtures, the following criteria must be met: Total fixture wattage < 240 W, Efficiency > 80%, Initial lumens  $\geq 20,000$ , Lumen maintenance > 90%, and fixture must have reflectors.

# Qualified Equipment (continued)



## Automatic Controls

Rebate requires permanent installation of equipment. Occupancy sensors may be wall or ceiling mounted passive infrared, ultrasonic, or dual technology sensors.

## Energy Star® Qualified LED Lamps

Rebates are based on 1 for 1 replacement of incandescent or halogen lamps with Energy Star® qualified LED lamps (screw or pin based). Rebates are based on wattage per lamp, not total fixture wattage.

## Energy Star® Qualified Commercial LED Downlights

Rebates are based on 1 for 1 replacement of incandescent fixtures with Energy Star® qualified commercial LED downlights. Rebates are based on total fixture wattage. Fixture must be commercial downlight; not all products listed qualify for rebates.

## Refrigerated LED Case Lighting

Rebates are based on 1 for 1 replacement of T12 or T8 linear 5-6 foot fluorescent refrigerated case door lighting with 5-6 foot LED refrigerated case door strip lighting. Rebates are per door, not per lamp.

## Energy Star® LED Canopy, Soffit and Wall Pack Fixtures

Rebates are based on 1 for 1 replacement of HID canopy, soffit or wall pack fixtures with LED fixtures. Rebates are based on total fixture wattage.

All replacement fixtures/bulbs must have DLC QPL listing to be considered for rebate reimbursement.

# Program Specific Rules



Retrofit systems must result in a net load reduction in kW usage from that of the existing lighting system.

## Inspection and Verification

The Utility reserves the right to conduct inspections of any and all installations. One sample of each type of old lamp or ballast must be retained for at least 90 days. If the Utility finds that the customer has not complied with its rules any rebate the customer has received must be returned to the Utility.

## Installation and Rebate Amounts-Rebate Limitations

Installation should be completed before submitting rebate application. In no case will the rebate paid by the Utility exceed the purchase price of the equipment. The Utility will issue rebates in the form of checks unless the utility account is delinquent in which a credit will be applied.

## Invoice and Payment

The customer must notify the Utility and submit invoices specifying the quantity and price of all materials purchased, the date ordered, installation costs and applicable taxes. The invoices should also contain the contractor's name and address as well as the customer's name and installation address.

**Rebate checks will only be issued and mailed to the utility account holder.**

## Equipment Eligibility Requirements

All equipment must be new and meet specification requirements.

## Tax Information

The Utility will not be responsible for any tax liability imposed as a result of the rebate payment(s). Customers are advised to consult their tax advisors before submitting rebate requests.

## Disclaimer

The Utility gives no warranties, expressed or implied, with respect to equipment operation, material, workmanship, manufacturing, or energy or cost savings. In no event shall the Utility be liable for any incidental or consequential damage. The Utility is not responsible for the disposal of lamps and/or ballasts replaced as a result of this program.

## Privacy

Information contained in this rebate application may be shared with the Department of Commerce and the Minnesota Municipal Power Agency

# Commercial Lighting Rebate Application



April 1<sup>st</sup>, 2019 – March 31<sup>st</sup>, 2020

General Information

AMU CUSTOMER INFORMATION (Please print clearly)			
Business Name:		Phone #:	
Contact Name:			
Mailing Address:			
City:	State:	Zip:	Account #:
			(see current AMU electric bill for account number)
AMU service address:			

Enter equipment information

Complete the Lighting Retrofit Rebate Claim Sheet. Annual operating hours and input wattages for old and new equipment must be provided. Rebate forms that are not legible or incomplete will not be processed.

Enter vendor/contractor information

VENDOR INFORMATION (Please print clearly)		
Vendor Name:		Phone #:
Vendor Contact:		Email:
Vendor Address:		
City:	State:	Zip:

Customer Signature

I certify that all the information provided is accurate including claims of efficiency, size and customer information. I have read the requirements and information on this form and agree that AMU may verify all the information I have provided

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

Attach necessary documentation and mail to:

Anoka Municipal Utility  
2015 First Avenue  
Anoka, MN 55303

OFFICE USE ONLY. DO NOT WRITE IN THIS AREA

APPROVED BY

DATE

REBATE AMOUNT  
( CIP Program # 3 )

# AMU Lighting Retrofit Claim Sheet



April 1<sup>st</sup>, 2019 – March 31<sup>st</sup>, 2020

Rebate/Unit

Quantity

Rebate Amount

**Fluorescent Lamps with T5 or T8 Electronic Ballasts – MUST HAVE PRIOR WRITTEN APPROVAL**

Replace incandescent or T12 systems with T5 or T8 systems with high efficiency electronic ballasts	\$	12.00		
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**Low-Wattage Fluorescent T8 Lamps – MUST HAVE PRIOR WRITTEN APPROVAL**

≤4ft , ≤28W	1 lamp	Install 28W or less	\$	0.50		
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**High-Bay Fluorescent Fixtures with High Efficiency Electronic Ballasts (L= lamp) – MUST HAVE PRIOR WRITTEN APPROVAL**

2-L T5HO, 3-L T5HO, 4-L T8	Replace HID 175 250W L systems	\$	75.00		
3-L T8HO, 4 to 6-L T5HO, 6 to 8-L T8	Replace HID 310-400 W L systems	\$	105.00		
6-L T8HO, 8-L T5HO, 12 to 16-L T8	Replace HID 750W L systems	\$	145.00		
8-L T8HO, 10-L T5HO, 18 to 20-L T8	Replace HID 1000W L systems	\$	145.00		

**Compact Fluorescent Fixtures – MUST HAVE PRIOR WRITTEN APPROVAL**

18W or less	Replace incandescent systems with hardwired or modular CFL systems. Does not include screw-base CFL's.	\$	10.00		
19W to 32W		\$	20.00		
33W+		\$	26.00		

**Automatic Controls**

Wall Mount	50W – 300W	Must be permanently installed	\$	15.00		
Occupancy Sensor Wall	> 300W		\$	25.00		
Occupancy Sensor Ceiling	50W – 300 W		\$	30.00		
Ceiling Mount	> 300W		\$	40.00		

**LED Wall Pack Fixtures – Interior & Exterior and Parking Garage Installations – Energy Star Qualified**

25W or Less	Replaces incandescent, fluorescent, or HID systems.	\$35/fixture		
26W to 60W		\$60/fixture		
≥ 61W		\$90/fixture		

**Exterior LED Canopy and Soffit Fixtures – Energy Star Qualified**

25W to 60W	Replace HID systems with LED systems	\$	75.00		
≥ 61W		\$	150.00		

**LED area lighting fixtures.** Rebates are based on one-for-one replacement of exterior HID fixtures with LED fixtures rated for exterior use. Based on total new fixture wattage.

45W to 65W	Replace HID systems with LED systems	\$85/fixture		
66W to 89W		\$100/fixture		
90W to 119W		\$125/fixture		
120W to 140W		\$150/fixture		
141W to 199W		\$175/fixture		
200W to 550W		\$200/fixture		

**Exterior LED fuel pump canopy fixtures** (DCL QPL required) Rebates are based on one-for-one replacement of HID fuel pump canopy fixtures with LED fuel pump canopy fixtures rates for exterior use. New fixtures must be listed on the DLC QPL as “Fuel Pump Canopy Luminaires”. Equipment must be hard-wired and rated for exterior use. Fixtures can be installed in either the canopy or soffit of the gas station building structure. Rebates are based on total new fixture wattage.

45W to 89W	Replace HID systems with LED systems	\$100/fixture		
90W to 140W		\$125/fixture		

**LED parking garage fixtures – Ceiling mount**

25W to 60W	Replaces incandescent, fluorescent, or HID systems.	\$115/fixture		
61W to 100		\$130/fixture		

**LED downlight luminaires** (Not all energy start LED fixtures qualify). Rebates are based on one for one full fixture replacement with Energy Star qualified LED hardwired and screw in downlight luminaires. New fixtures must be listed on Energy Star certified light fixtures list as a “Downright” (recessed, surface mount or pendant). Rebates are based on total new fixture wattage.

≤ 25W	Replaces incandescent, fluorescent, or HID systems.	\$30/fixture		
> 25W		\$40/fixture		

**AMU Lighting Retrofit Claim Sheet**  
 April 1<sup>st</sup>, 2019– March 31<sup>st</sup>, 2020



Rebate/Unit      Quantity      Rebate Amount

**Energy Star Qualified Interior LED Lamps – Screw or Pin Type**

LED Lamp	5W – 10W	Replaces Incandescent, Halogen, CFL or Fluorescent Lamps with a qualified LED Lamp	\$3.00		
LED Lamp	10W – 20W		\$6.00		
LED Lamp	≥ 20W		\$15.00		
LED 2' Troffer	19W-40W	Replaces T12 or T8 system	\$16.00		
LED 2' Troffer	41W-100W		\$33.00		
LED 4' Troffer	19W-40W		\$25.00		
LED 4" Troffer	41W-100W		\$50.00		

**Refrigerator/Freezer LED Lighting**

LED Case Lamp	5'-6'	Replaces T12 or T8 system with LED Case Lighting	\$75.00		
LED Fixture	25W or Less	Replaces Incandescent, Halogen, CFL or Fluorescent Lamps with a qualified LED Lamp	\$20.00		
LED Fixture	26W to 50W		\$35.00		
LED Fixture	51W to 75W		\$50.00		
LED and LEC Exit Signs			\$25.00		

**LED high/low bay fixtures and retrofit kits (DLC QPL required). Rebates based on total new fixture/wattage**

LED high/low bay fixtures	< 95W	Replaces HID systems	\$75/fixture		
	95W-189W		\$130/fixture		
	190W-290W		\$140/fixture		
	291W-464W		\$175/fixture		
	≥ 465W		\$200/fixture		
Retrofit kit for LED high/low bay fixtures	95W-189W		\$35/fixture		
	190W-290W		\$45/fixture		
	291W-464W		\$75/fixture		
	≥ 465W		\$125/fixture		

**LED mogul screw-base replacements for HID lamps. (DLC QPL required). Rebates based on one-for-one replacement of HID mogul-based screw-in lamps (sometimes referred to as "corn cob" or "beehive" lamps) with LED mogul-based screw-in lamps.**

LED mogul screw-base lamps	30W-39W	Replaces HID lamps	\$25/lamp		
	40W-49W		\$35/lamp		
	50W-79W		\$45/lamp		
	80W-119W		\$55/lamp		
	≥ 120W		\$70/lamp		

Total Project Cost (must enter total cost to calculate rebate)					
Total Rebate					



## 2019 AMU Lighting Retrofit Worksheet

**Completion of the retrofit lighting worksheet is required before rebate will be issued. No substitute documentation is acceptable**

† Completed by AMU				** Office Use Only - Please leave all shaded areas blank for AMU to fill out						
Lighting System Removed	# of Fixtures	Watts/ Fixture	Annual Hours	Installed Lighting System	# Fixtures	Watts/ Fixture	Annual Hrs	A/C Yes/No	Saved ** kW <sup>1</sup>	Saved ** kWh <sup>1</sup>
Total Saved KW **				Total Saved KW **						