Business Energy Efficiency Rebates 2013-2014 Lighting Program

ELIGIBILITY

- Roseville Electric's business lighting retrofit program is available to customers with a valid Roseville Electric business account.
- This program has a limited budget. Reservations for funds will be accepted on a first-come, first-served basis, until funds are spent or until June 30, 2014, whichever comes first.
- FORM B and FORM C submittals must be received before June 30, 2014.
- Projects that require Title 24 do not qualify under this rebate program. T24 projects may qualify under our New Construction/Tenant Improvement program.

REQUIREMENTS

- Rebate items must be installed at the Roseville Electric account listed on the application.
- Funds are not guaranteed. Please make a fund reservation prior to purchasing materials and beginning work.
- Rebate reservations are good for up to 90 days.
- In no case will the utility pay more than 100% of the actual net purchase price of the items to be rebated.
- Equipment must meet the technical requirements listed in this application. Roseville Electric reserves the right to withhold payment for products that do not meet the requirements.
- Roseville Electric reserves the right to require photometric layout details prior to reserving or paying rebate funds.
- Roseville Electric reserves the right to pre- or postinspect customer facility for existing and installed materials listed on this rebate application.
- Installing contractors must follow proper disposal and recycling procedures with removed materials. Resale of removed equipment is prohibited.

Roseville Electric Business Energy Efficiency Rebates 2090 Hilltop Circle Roseville, CA 95747 (916) 79-POWER

www.roseville.ca.us/bizrebates elecbizrebates@roseville.ca.us

FORM A - RESERVE FUNDS FOR YOUR PROJECT

This step must be complete before the materials are purchased and work has begun.

- Complete and submit RESERVATION REQUEST FORM A
- Provide lighting schedule, by area, of existing and proposed lighting. The complete scope of work for lighting retrofits must be submitted, any additional added or removed fixtures from original scope of work may adjust rebate eligibility.
- Send manufacturers specification sheet for all proposed new equipment.
- If CEE, ENERGY STAR or Design Light Consortium approval is required, send proof of approval for the proposed product.
- Submit RESERVATION FORM A by:
 - Scan and submit PDF file to: elecbizrebates@roseville.ca.us
 - Mail hard copy to: Roseville Electric 2090 Hilltop Circle Roseville, CA 95747
- Once approved and reservation is confirmed by Roseville Electric the project may begin.

FORM B - INSTALLATION CONFIRMATION

After the contractor installation is complete, contractor to:

- Submit any changes in quantity or products from what was reserved on an updated RESERVATION REQUEST – FORM A, include supporting documentation for those changes.
- Complete, sign and submit INSTALLATION CONFIRMATION – FORM B to Roseville Electric.
- Roseville Electric will review package and perform necessary audits to verify project compliance for rebates.

FORM C - REQUEST REBATE PAYMENT

After the project installation is complete, customer is to:

- Complete PAYMENT REQUEST FORM C
- Attach the itemized invoices for products and labor. The manufacturer name and model number of each item installed must appear on the invoice.
- Retain a copy for your records.
- Complete, sign and submit PAYMENT REQUEST FORM C to Roseville Electric.
- Once approved, rebate payments take approximately 6-8 weeks.



Reservation Request Form 2013-2014 Business Lighting Program



			Custome	er Information		
Business Name				RE Account Number	_	
Project Address						
,	Street Number	Street Name		City	State	Zip
Contact Name				Contact Title		
Phone				Email		
	Area Code	Phone Number	Ext.			
		Inst	alling Con	tractor Information		
Check here if project	t will be custom	er installed		Proposed Installation Date		
Contractor Name						
Mailing Address						
3	Street Number	Street Name		City	State	Zip
Contact Name				Contact Title		
Phone				Email		
	Area Code	Phone Number	Ext.			

EQUIPMENT CATEGORY	NUMBER OF ITEMS	REBATE / UNIT B	REBATE AMOUNT C=AxB
A. SCREW-IN AND MR-16 LAMPS	A	Ь	C=AXD
LED Decorative <4 watts		\$5.00 / lamp	
LED A-Lamp <10 watts		\$20.00 / lamp	
LED A-Lamp 10-<20 watts		\$20.00 / lamp	
LED A-Lamp >20 and <30 watts		\$20.00 / lamp	
LED MR-16 lamp <6 watts		\$20.00 / lamp	
LED MR-16 lamp 6-10 watts		\$20.00 / lamp	
LED PAR, R, ER or BR lamp <17 watts		\$25.00 / lamp	
LED PAR, R, ER or BR lamp 17-25 watts		\$25.00 / lamp	
B. LINEAR FLUORESCENT RETROFITS		·	
4-ft. system retrofit to reduced wattageT8		\$9.00 / lamp	
C. LINEAR FLUORESCENT LAMP REMOVAL		·	
2-foot lamp		\$8.00 / lamp	
3-foot lamp		\$10.00 / lamp	
4-foot lamp		\$13.00 / lamp	
8-foot lamp		\$26.00 / lamp	
D. BI-LEVEL STAIRWELL OR HALLWAY FIXTURE		\$150.00 / fixture	
E. INTERIOR HIBAY FIXTURES			
400w HID Replacement with <244w HIF Fixture		\$150.00 / fixture	
400w HID Replacement with <320w LED with controls		\$200.00 / fixture	
250w HID Replacement with <170w HIF Fixture		\$115.00 / fixture	
250w HID Replacement with <180w LED Fixture with controls		\$160.00 / fixture	
175w HID Replacement with <110w LED Fixture with controls		\$85.00 / fixture	
F. SENSORS			
Motion Sensors		\$44.00 / sensor	
Plug Load Sensor		\$30.00 / sensor	
Integrated High Bay Sensor		\$40.00 / sensor	
G. HIGH EFFICIENCY EXIT SIGNS		\$40.00 / sign	
H. CUSTOM LIGHTING			
Non-Prescriptive Retrofit with LED technology installed		\$800.00 / kW reduced	
Non-Prescriptive Retrofit with non-LED technology installed		\$600.00 / kW reduced	
I. Outdoor LED Lighting		\$0.13 / kWh saved	
		Total Rebate Amount	\$



Technical Specifications 2013-2014 Business Lighting Program

GENERAL REQUIREMENTS

All equipment must be new. Used or rebuilt equipment is not eligible. **Exterior lighting projects must comply with item "I" requirements.**All other lighting rebate requests must be for typical non-residential use that is normally on during the working day. Projects that require Title 24 do not qualify under this rebate program.

LED Lighting - LED lamps and fixtures must be on the ENERGY STAR or the Design Light Consortium (DLC) qualified products list to be eligible for rebates. Send a printout of the ENERGY STAR or DLC qualified products list page with the product you are using highlighted on the submittal.

Linear Fluorescent Lighting – 4' lamps and ballasts must be on the Consortium for Energy Efficiency (CEE) applicable commercial qualified products list.

Customer and/or contractor must ensure new equipment is compatible with existing equipment and controls; fit into existing equipment, and resulting light level is adequate and acceptable for the tasks being performed, and meet required state and local energy codes.

LIGHTING MEASUARE DETAILS

A. LIGHT EMITTING DIODE (LED) LAMPS

Qualifying retrofits must reduce existing lamp wattage by 50% or more and the lamps must be on the ENERGY STAR or DLC qualified products list.

B. LINEAR FLUORESCENT RETROFITS

Qualifying ballasts must be warranted against mechanical or electrical defects for five years; and unless otherwise noted must have a total Harmonic Distortion at full light output of ≤20%. If used in combination with occupancy sensors, Programmed Start or Programmed Rapid-Start ballast must be used.

4' & 8' Linear Fluorescent System Retrofit to 4' Reduced Wattage T8

Applies to applications where 4-foot 25 watt or 28 watt reduced wattage (RW) T-8 lamp and ballast systems replace existing 32w or higher lamp and ballast systems. RW lamps may display undesirable behavior in cooler temperatures while warming up, and are not suitable for dimming. Lamps and ballasts must be listed as reduced wattage (RW) with the Consortium for Energy Efficiency. High ballast factor ballasts may only be used in fixtures when delamping (lamp removal) occurs in compliance with Item C – Linear Fluorescent Lamp Removal.

C. LINEAR FLUORESCENT LAMP REMOVAL

Contact Roseville Electric to schedule a site inspection before removing existing equipment. Lamp removal may only be done jointly with qualifying lamp and ballast retrofits. The number of lamps claimed for a lamp removal rebate may not exceed the number of lamps installed. Lamp Removal (delamping) is defined as the permanent removal of the existing lamp and ballast; and the amp holders no longer in use must be removed from the fixture. Customers are responsible for determining whether or not lamp removal will maintain adequate lighting levels.

D. BI-LEVEL STAIRWELL OR HALLWAY FIXTURE

Existing fixtures must be replaced one-for-one with new lighting system, be permanently hardwired and located in an interior stairwell or hallway that is normally on during the day. Ballasts and lamps must comply with CEE or Energy Star or DLC requirements as appropriate by technology installed. The ultrasonic motion sensor must be internally mounted and contain a fail-on feature with no manual overrides in case of lamp failure. Fixtures must reduce energy to 35% or less with no occupancy.

E. INTERIOR HIBAY FIXTURES

New fixtures will contain T5, HOT5, T8, or LED lamps. Fixtures must replace existing fixtures in a 12 or higher high bay application. Fixtures must be replaced one-for-one; installing additional lighting will disqualify the project from this category. All fixtures must be hardwired.

T8 and T5HIBAY - fixture lamps and ballasts used in this category must meet the requirements in Item B for T8 linear fluorescent lamps and ballasts. Fluorescent HiBay fixtures may qualify for additional rebates under Item F—Integrated High Bay Sensor rebate.

LED HIBAY - fixtures in this category must be on the ENERGY STAR or DLC qualified fixture list, and include vacancy controls and/or dimming controls. LED HiBay fixtures <u>do not</u> qualify for additional rebates under Item F – Integrated Hi Bay Sensor rebate.



Technical Specifications 2013-2014 Business Lighting Program

F. SENSORS

MOTION sensor - only passive infrared and/or ultrasonic detectors are eligible. They must be hardwired and control interior lighting fixtures. Wall box, wall or ceiling sensors qualify, and must be installed in areas with no previous sensor controls. Programmed start ballasts are recommended when using sensors and are designed to maximize lamp life in frequently cycled fluorescent lighting applications.

PLUG LOAD sensor - applies to passive infrared and/or ultrasonic detectors to control electricity-using equipment in offices or cubicles or shared copiers and/or printers. A minimum of 50 watts must be connected and controlled for rebate eligibility. Detailed installation location list with wattage connected must be provided.

INTEGRATED HIBAY sensor - is permanently installed in the lighting fixture to control all lamps in the fixture. LED HiBay fixtures do not qualify.

G. HIGH EFFICIENCY EXIT SIGN

Only new exit signs that replace an incandescent exit sign qualify. Non-electrified (e.g., tritium) and remote exit signs are NOT eligible. New exit signs must meet UL-924 requirements; have an input wattage less than 5 watts, a 10-year rated life and replacement of defective parts for 5 years from date of purchase. Conversion must meet local fire codes.

H. CUSTOM LIGHTING RETROFIT

Have a lighting retrofit that doesn't fit those called out above? Here you can design your own retrofit. If it is normally on during the day you can design your own retrofit. In additional to RESERVATION REQUEST - FORM A and the required documentation, include a daily schedule of operation and a calculation showing kW demand and annual kWh use of the existing and proposed lighting project. Lighting technology used in the project must meet the technical requirements for that technology if it is listed above in Items A-F. Exterior lighting does not qualify.

I. OUTDOOR LED LIGHTING

Qualifying exterior lighting projects must be typically on during the night and controlled by a photo cell or time clock. Existing fixture must be 70 watts or greater, and the LED replacement fixture must reduce the maximum wattage by 50% or more. The LED fixture must be on the DLC qualified products list, LED retrofit kits do not qualify. Provide lighting schedule, specification sheets, and site map with fixture location and type legend with the reservation request. Provide a detailed calculation on kW and kWh reduced describing the existing system wattage, and the proposed system wattage, while using 4100 hours of operation. THIS IS A PILOT PROGRAM EFFICIENCY MEASURE, FUNDS ARE LIMITED.



Installation Confirmation 2013-2014 Business Lighting Program



CUSTOMER'S PROJECT INFORMATION			
Business Name:	Project Address:		
Customer Contact Name:	Project Completion Date:		

Please Choose Employee or Contractor Installation Below			
	CUSTOMER EMPLOYEE INSTALLATION		
Customer Project Manager Name:			
Customer PM Phone Number:			
Customer PM E-mail:			
working properly The project was completed with (no change required project documentation) I have received the warranty information for	are being requested were installed by company emes/changes) from the reservation (circle one) (changes products that have been installed e, include model numbers of installed equipment		
Customer Signature	Date		
Print Name	Phone Number	e-mail	
	CONTRACTOR INSTALLATION		
Contractor Business Name:	Contractor Project Manager Name):	
Mailing Address:	Contractor PM Phone Number:		
City State Zip:	Contractor PM Email:		
 being requested, and the installed equipme The project was completed with (no change required project documentation 	s to, the Installing Contractor listed above have inst	nges require resubmittal of FORM A and	
Contractor Signature	Date		
Print Name	Phone Number	e-mail	



Payment Request Form 2013-2014 Business Lighting Program



	CUSTOMER INFORMATION	
Customer Name:	Project Address:	
RE Account Number:	Project Completion Date:	
The equipment of I received warran I have the contract I am satisfied with Rebate Payment Instructions (s		
Contractor invoice Send check to Cu	e INSTALLING CONTRACTOR, information provided on INSTALLATION CONFIRMATION – te must show total cost of project without rebates, rebate amount and net balance due from cu ustomer installation address, information provided on RESERVATION REQUEST - FORM A to customer account for installation address listed on RESERVATION REQUEST - FORM A Company Name Mailing Address City State Zip Customer Project Reference	
required documentation for the progradocumentation is true and correct. As a qualified Roseville Electric custo and not for resale, and that all equipments and the second secon	ram requirements set forth in these application forms and agree to abide by these requirements. I have a am under which I am applying. I certify that the information provided on this application and associated reports. I certify that I purchased and installed the indicated energy-saving products for use in my business ment installed is new, not rebuilt, remanufactured, or used equipment. I agree to participate in project son, by phone or in writing; and to mandatory project inspections by Roseville Electric, and/or their design	facility
Additionally, as a program participant	t I agree to allow Roseville Electric to release my company business name and my contact name as a Ro benefitted from receiving rebate funds for energy efficiency improvements.	seville
	and ownership of the equipment are my sole responsibility. Roseville Electric makes no representation a uipment selected or components selected to meet the programs intent.	s to the safety,
	tion customer of Roseville Electric, or I do not provide Roseville Electric with 100% of the related energy by (5) years from receipt of rebate, whichever comes first, I shall refund a prorated amount of the rebate of	
Tax Liability—you are urged to consu imposed on your business as a result	ult your tax advisor concerning the taxability of rebates. Roseville Electric is not responsible for any taxes t of your receipt of this rebate.	that may be
I certify that Roseville Electric's rebate	te influenced the purchase of a higher efficiency product than I otherwise would have purchased.	
Customer Signature	Date	
Print Name	Phone Number e-mail	

