

Simple Lighting Application (v1.5)

LIGHTENUP - Existing Buildings & Facilities

Page 2: Sign Request for Payment

(Page 2 to be signed and submitted only upon completion of the project.)



Customer:		Approval code is required prior to starting work if the incentive is expected to exceed \$1,000. Applications must be submitted to Platte River Energy Services.
Approval Code:		

Sign Request for Payment

Upon completion of the project, the customer must update the application to accurately reflect the completed project, sign the Request for Payment to indicate agreement with the Terms & Conditions, and send the entire application and project invoices to Platte River to request payment. At the bottom of the application, the customer can request the payment to a different location or company. If this is left blank, payment will go to the Project Site Company Address (or Mailing Address, if given). Platte River requires that the recipient of the incentive payment complete the W9 "Request for Taxpayer Identification Number and Certification" be completed in order to receive payment.

Terms and Conditions

The undersigned hereby certifies that the project has been completed as described in this application. In particular, the equipment is operational; the application accurately describes the old and new fixtures; all fixture quantities are correct; and the attached invoices accurately reflect the project costs.

Customer may not apply for incentives for installing compact fluorescent lamps in fixtures that previously contained them. Incentives are provided only to convert from incandescent to compact fluorescent once.

Upon Platte River's request and reasonable notice, Platte River representatives will be given access to the project site, both before and after installation so they may verify equipment characteristics, quantities, and performance.

Incentives are based on the verified wattage reduction and cost of the project, which may be found by Platte River, in its sole discretion, to be different from the values shown in the application. If this occurs, Platte River will provide notification of the difference and give the customer, contractor, or vendor the opportunity to ask for a review of the findings or to remedy the discrepancy before adjusting the incentive.

Platte River does not guarantee the estimated energy cost savings. Furthermore, Platte River makes no warranties for materials provided by or work performed by customer's contractors, vendors, consultants, or customer's own employees. Platte River is not responsible for errors in or misrepresentations of the incentive amount by contractors, consultants, or vendors.

Customer is responsible for securing any permits for work funded through this program as required by local codes. The customer shall comply with all applicable federal, state, and local regulations, requirements, ordinances, and statutes.

Customer agrees to ensure that potentially hazardous or regulated wastes (e.g., PCB-containing ballasts, fluorescent lamps, high-intensity discharge lamps, etc.) are handled and disposed of in compliance with applicable federal, state, and local laws and regulations.

Participant agrees that participation in this program shall impose no liability on Platte River. In consideration of receiving the incentives stated herein, Participant hereby RELEASES, WAIVES, DISCHARGES AND COVENANTS NOT TO SUE Platte River, its officers, agents, servants, or employees (hereinafter referred to as RELEASEES) from any and all liability, claims, demands, actions and causes of action whatsoever arising out of or related to any loss, damage or injury, including death that may be sustained by Participant, or any property belonging to Participant, WHETHER CAUSED BY THE NEGLIGENCE OF THE RELEASEES, OR OTHERWISE, relating to the project that is the subject of this Agreement, the performance of the Measures, or the provision of assistance and incentive including, but not limited to, anticipated loss of profits or revenues, consequential damages, or costs related to the improper handling, storage, disposal of or exposure to substances currently or hereafter characterized as hazardous or toxic. Participant further agrees to HOLD HARMLESS RELEASEES from any loss, liability, damage or costs, including court costs and attorney fees, that may incur due to Participant's participation in the Electric Efficiency Program, WHETHER CAUSED BY THE NEGLIGENCE OF THE RELEASEES OR OTHERWISE. Participant further hereby affirms that it is his or her express intent that this Waiver of Liability and Hold Harmless Agreement shall bind the member of Participant's family, heirs, assigns and personal representatives and shall be deemed their RELEASE, WAIVER, DISCHARGE AND COVENANT NOT TO SUE the RELEASEES. By signing below Participant acknowledges that Participant agreed to this Waiver of Liability and Hold Harmless Agreement voluntarily as Participant's own free act, that no oral representations, statements or inducements, apart from this Agreement, have been made, and that Participant is at least eighteen (18) years of age and fully competent and intending to be bound by same.

Payments provided by utilities (including Platte River) to Participants for the purchase or installation of energy conservation measures may in some circumstances be considered as (partially) taxable income by the IRS. Participants or their assigns receiving incentive payments totaling \$600 or more during a program year and who are not organized as a corporation will receive a 1099-MISC from Platte River in January or February of the subsequent year. Participant, or alternate payment recipient, may wish to consult a tax advisor on this matter.

Incentive funds will be reserved for no later than 90 days beyond the date of the "Final invoice to customer" for existing building upgrades, nor beyond 90 days of building occupancy for new construction/major renovation projects (see Page 3). Customer shall notify Platte River immediately if completion of the project is expected to be delayed beyond this time. Platte River will seek to provide funds for projects that are delayed, provided such funds are available, but is under no obligation to do so.

Small changes are expected and do not require any action until the project is completed. If you find a few more or fewer fixtures than you indicated in your application, just complete the retrofit and update the application before submitting it for payment. The same goes if you find a couple of different types of lighting fixtures that are similar to those in your original application. However, if anything changes that will significantly affect the total incentive amount (more than 10%), you should contact Platte River for approval. If you are unsure how changes in your project might affect your incentive, contact Platte River for assistance.

I have read, understood, and agree to the terms and conditions listed above.

Signature: _____ Date: _____
 Name: _____ Phone: _____
 Title: _____

Alternate incentive payment recipient:

Complete this section only if you want the incentive payment to go to someone other than the utility's customer of record at the project site.

Alternate incentive payment recipient:
 An IRS Form W-9: Request for Taxpayer Identification Number and Certification for the company named below must be submitted before payment can be made.

Company:		Contact person:	
Mailing address:		Phone:	
City, state, zip:		Notes:	

I authorize Platte River Power Authority to make the incentive payment to the identified party.

Signature: _____ Date: _____
 Name: _____ Phone: _____
 Title: _____

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LIGHTENUP - Existing Buildings & Facilities
 Pages 3 & 4: Incentive and Savings worksheet

HIGH EFFICIENCY ELECTRONIC BALLASTS ARE REQUIRED AS OF
 1/1/08 FOR ALL T8 FLUORESCENT INSTALLATIONS*



Existing Fixture Equipment	Retrofit or Replace Existing Fixture with:	Fixture Quantity	Rebate per fixture	Potential Incentive	Multiply by System Wattage Savings	Total Wattage Savings
BALLAST FACTORS: LOW < .80, NORMAL = .80 - .95, HIGH > .95		A	B	A x B or C = D	E	A x E or F = G
4-foot fluorescent: T8 lamps and electronic ballasts (new fixture or retrofit) replacing T12 and magnetic ballasts						
1-lamp F34T12 (34 or 40-W) with magnetic ballast	1-lamp F32T8 (32-W) with high efficiency* electronic ballast (NORMAL ballast factor)		\$7	\$	14	W
	1-lamp F32T8 (32-W) with high efficiency* electronic ballast (LOW ballast factor)		\$9	\$	18	W
2-lamp F34T12 (34 or 40-W) with magnetic ballast	2-lamp F32T8 (32-W) with high efficiency* electronic ballast (NORMAL ballast factor)		\$8	\$	16	W
	2-lamp F32T8 (32-W) with high efficiency* electronic ballast (LOW ballast factor)		\$12	\$	24	W
3-lamp F34T12 (34 or 40-W) with magnetic ballast	3-lamp F32T8 (32-W) with high efficiency* electronic ballast (NORMAL ballast factor)		\$16	\$	32	W
	3-lamp F32T8 (32-W) with high efficiency* electronic ballast (LOW ballast factor)		\$20	\$	40	W
4-lamp F34T12 (34 or 40-W) with magnetic ballast	4-lamp F32T8 (32-W) with high efficiency* electronic ballast (NORMAL ballast factor)		\$17	\$	34	W
	4-lamp F32T8 (32-W) with high efficiency* electronic ballast (LOW ballast factor)		\$24	\$	48	W
	3-lamp F32T8 (32-W) with high efficiency* electronic ballast (NORMAL ballast factor)		\$35	\$	70	W
	2-lamp F32T8 (32-W) with high efficiency* electronic ballast (HIGH ballast factor)		\$35	\$	70	W
Upgrade Standard T8 lamps for additional rebate	High Performance T8* (32W; 3,100 lumens) lamp rebate; per lamp rebate (enter # of lamps ----->)		\$0.60	\$		
Upgrade Standard T8 lamps for additional rebate	Low Wattage T8 (28W) lamp rebate; per lamp rebate (enter # of lamps ----->)		\$0.60	\$	3	W
8-foot fluorescent: 4-foot T8 lamps and electronic ballasts (new or retrofit kit) replacing 8-foot T12 and magnetic ballasts						
1-lamp F96T12 (60 or 75-W) with magnetic ballast	2-lamp F32T8 (32-W) with high efficiency* electronic ballast (NORMAL ballast factor)		\$9	\$	15	W
	2-lamp F32T8 (32-W) with high efficiency* electronic ballast (LOW ballast factor)		\$16	\$	27	W
2-lamp F96T12 (60 or 75-W) with magnetic ballast	4-lamp F32T8 (32-W) with high efficiency* electronic ballast (NORMAL ballast factor)		\$9	\$	15	W
	4-lamp F32T8 (32-W) with high efficiency* electronic ballast (LOW ballast factor)		\$18	\$	30	W
2-lamp F96T12HO/VHO (95 or 110-W) with magnetic ballast	4-lamp F32T8 (32-W) with high efficiency* electronic ballast (NORMAL ballast factor)		\$58	\$	97	W
	4-lamp F32T8 (32-W) with high efficiency* electronic ballast (HIGH ballast factor)		\$36	\$	60	W
High-bay & Low-bay lighting: NEW fluorescent fixture replacing high-intensity discharge						
400-W metal halide, mercury vapor, or high-pressure sodium	6-lamp F32T8 with high efficiency* electronic ballast (HIGH ballast factor)		\$110	\$	220	W
	4-lamp F54T5HO (54-W) with electronic ballast		\$110	\$	220	W
250-W metal halide, mercury vapor, or HPS	4-lamp F32T8 with high efficiency* electronic ballast (HIGH ballast factor)		\$70	\$	140	W
175/150-W metal halide, mercury vapor, or high-pressure sodium	4-lamp F32T8 with high efficiency* electronic ballast (NORMAL ballast factor)		\$40	\$	80	W
	2-lamp F54T5HO (54-W) with electronic ballast		\$40	\$	80	W

*ALL T8 ELECTRONIC BALLASTS MUST BE "HIGH EFFICIENCY" that meet or exceed the Ballast Efficacy Factor as described for ballasts in the CEE High Performance T8 specification. High Performance T8 lamp specifications are based on "CEE (Consortium for Energy Efficiency) High Performance T8 Specification and are specifications for use in voluntary energy-efficiency programs. For the most recent revised voluntary specifications and a complete list of qualifying High Performance T8 4' lamps & ballast combinations, visit www.cee1.org/com-com-It-com-It-main.php3.

Existing Fixture Equipment	Retrofit or Replace Existing Fixture with:	Fixture Quantity	Rebate per fixture	Potential Incentive	Multiply by System Wattage Savings	Total Wattage Savings
Screw-in Compact fluorescent: screw-in compact fluorescent replacing incandescent						
Incandescent (existing is less than 100 Watts)	Screw-in compact fluorescent (max. 25 Watts)		\$4	\$	40	W
Incandescent R/PAR lamps (90-150 Watts)	Screw-in compact fluorescent PAR lamp (maximum nominal lamp of 25 Watts)**		\$6	\$	60	W
Hard-Wired Compact fluorescent or Ceramic Metal Halide: NEW fixture with pin-based compact fluorescent or CMH lamps						
Incandescent	New hardwired compact fluorescent or ceramic metal halide fixture (7 to 49 input Watts)		\$25	\$	50	W
Exit sign replacement: LED exit sign replacing incandescent or compact fluorescent exit sign						
incandescent or fluorescent exit sign	LED exit sign		\$15	\$	30	W
Occupancy Sensor:						
Manul Switch	Occupancy Sensor (per controlled fixture rebate)		\$7	\$	25%	W
Vending machine - no control	Vending machine with occupancy sensor		\$90	\$	100	W
Incentive & Savings Calculation (Required)						
Project Cost, (H) (includes materials, labor, and other related costs)	\$		SUBTOTALS	\$	SUBTOTALS	W
100% Project Cost Cap, (I)	\$		SUBTOTALS from Previous Page	\$	SUBTOTALS from Previous Page	W
Actual Incentive, (J) lessor of D or I	\$		TOTALS	\$	TOTALS	W

D

G

All incentives are subject to change without notice and are subject to a cap if simple payback is less than one year or greater than 15 years. Contact Platte River Energy Services to ensure that you have the most recent application and that funds are available.

Project Economics		Alternative Electric Rate Table (\$/kWh) (N)				
<i>Electric cost savings</i>						
Total kW reduction, (K) (Box G/1,000)	kW	The typical average electric rate for all cities is \$0.06/kWh. For a more accurate rate, choose the average electric rate below based on the project's location and annual lighting hours. (average electric rate = energy + demand rate)				
Annual lighting hours, h/yr (from page 1), (L)	hours/yr	Annual Lighting Hours h/yr (L)	Municipality			
			Estes Park	Fort Collins	Longmont	Loveland
Annual electricity savings, kWh/yr, K x L = (M)	kWh/yr	2,000	\$0.094	\$0.067	\$0.071	\$0.077
		3,000	\$0.088	\$0.066	\$0.065	\$0.070
Average electric rate, \$/kWh (for more accurate electric rate, select from table on the right) (N)	\$/kWh	4,000	\$0.084	\$0.066	\$0.062	\$0.066
		5,000	\$0.079	\$0.063	\$0.057	\$0.060
Annual electricity cost savings per yr, M x N = (O)	\$/yr	6,000	\$0.076	\$0.060	\$0.054	\$0.057
		7,000	\$0.072	\$0.056	\$0.050	\$0.053
Simple Payback with incentive, # of years (F - H) / M - must be between 1 - 15 years to qualify for rebate	years	8,000	\$0.071	\$0.055	\$0.049	\$0.051
		No Demand Charge Energy Rate Only	\$0.090	\$0.067	\$0.063	\$0.064

****Limitations to this application**

This Standard Lighting Application shows the more common lighting retrofits and may not fit your project potential for optimizing Watt reduction savings. There are retrofit scenarios that may result in more savings, but are not included in this application, such as: delamping, removing or adding fixtures, advanced controls, etc. We recommend that you use the Custom Lighting Application process and worksheet to optimize the savings and incentive potential for your custom project. Contact Platte River Energy Services for more information on the Custom Lighting Application, or download it at www.prra.org.