Simple Lighting Application (v1.7)

LIGHTEN**UP** - Existing Buildings & Facilities

Page 1: General Customer and Project Information

PLATTE RIVER POWER AUTHORITY
Estes Park • Fort Collins • Longmont • Loveland

Approval code±:	**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 for pre-approval.**

Participant Acknowledgement of Terms and Conditions

By submitting this application, I hereby acknowledge that I have read, understand and agree to be bound by all requirements, terms, and conditions of the LIGHTEN**UP** Program including, but not limited to, the Terms and Conditions set forth on Page 2 - Sign Request for Payment.

Project Eligibilty

Project is eligible to participate in LIGHTENUP if all of the following are true: **(Check all that apply)**

1. Project site is served by one of the four following electric utilities: Town of Estes Park Light & Power Department (970-577-3583), Fort Collins Utilities (970-221-6700), Longmont Power & Communications (303-651-8386), Loveland Water & Power (970-962-3000).
2. Replacing **existing** lighting equipment with new energy-efficient lighting equipment in an **existing** commercial building or site (This application is NOT for new construction or major renovation, contact Platte River Energy Services for information regarding new construction)
3. All new T8 electronic ballasts are "high efficiency" and meet or exceed the Ballast Efficacy Factor as described for ballasts in the CEE High Performance T8 specification. Visit www.cee1.org for ballast specifications and qualifying ballast list.

Steps to Participate:

1. Contact a lighting contractor, vendor, electrician, or Platte River Energy Services for help with application if needed.
2. Complete the Incentive & Savings Worksheet (Page 3-4) to determine the potential incentive amount and pre-approval requirements before any work begins:
   a. If the incentive amount is less than or equal to $1,000, pre-approval is **NOT** required to proceed with the project.
   b. If the incentive amount is greater than $1,000, pre-approval is required and you must submit this application by faxing, emailing, or mailing it to Platte River Energy Services.* Once you have received the approval code from Platte River Energy Services, you may proceed with the project.

HIGH EFFICIENCY ELECTRONIC BALLASTS ARE REQUIRED FOR ALL T8 FLUORESCENT INSTALLATIONS

3. Complete the lighting retrofit.
4. Complete the application reflecting changes to the material specifications or quantities (if any), sign the application and request for payment, and mail or fax the entire application to Platte River Energy Services with copies of any project-related invoices.* Be sure to include documentation that "high efficiency" T8 electronic ballasts are installed.
5. Receive incentive check typically in four to six weeks.

* Platte River Energy Services may request a site visit at this time to confirm the accuracy of the application and reserve the right to determine the final eligibiity and incentives for all projects.

Project site utility customer:		**Party completing form (if different from company at left):**	
Primary contact: (check one)	☐ Project site utility customer contact	☐ Party completing form	
Company:		Company:	
Site Address:		Address:	
City, state, zip:		City, state, zip:	
Contact person:		Contact person:	
Mailing address: (if different)		Mailing address: (if different)	
City, state, zip:		City, state, zip:	
Telephone:	Fax:	Telephone:	Fax:
Email:		Email:	
How did you hear about LIGHTEN**UP**?		☐ Check box if applying for other rebates under EEP & attach worksheets.	

Project site:			
Serving electric utility: *(circle utility)* Site must receive electricity from a listed utility to be eligible for this program	Fort Collins Utilities Longmont Power & Communications Loveland Water and Power Town of Estes Park	Facility type *(circle all that applies)* Office, Hotel/Motel, Healthcare, School, Warehouse, Church, Outdoors Other (describe) 1	
Customer Account or meter #		Year built:	Remodel Year?
Lighting hours (description):		Project (sq ft):	Building (sq ft):

Project schedule

Start date:	Completion date:

Incentive funds are subject to change without notice. Contact Platte River Energy Services to ensure that you have the most recent application and that funds are available.

Contact Information

For questions, or to submit an application for approval or payment, contact Platte River Energy Services:

Platte River Power Authority
2000 E Horsetooth Rd
Fort Collins, CO 80525-5721

phone: (970) 226-4000
fax: (970) 229-5244
email: LIGHTENUP@prpa.org

Please be sure to direct all correspondence to Energy Services.

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Page 2: Sign Request for Payment

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

Rebate Amount	
Est Annual Savings	

PLATTE RIVER POWER AUTHORITY

Estes Park • Fort Collins • Longmont • Loveland

Customer:	
Approval Code±:	

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.

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

1. The undersigned (Customer) hereby certifies that this Project has been completed to his or her satisfaction, and that this application accurately portrays the Project. Specifically, the Customer is satisfied that the Project has resulted in a sufficient quality and quantity of light for the Customer's current needs. Furthermore, with regard to the accuracy of the application, the old and new fixture descriptions reflect the actual fixtures; the old fixtures have been permanently removed; the new fixtures have been installed and are operational; all fixture quantities are correct; and the attached invoices reflect the project costs.

2. Incentive payment recipient (Customer or Alternative Incentive Payment Recipient identify herein) shall reimburse Platte River a pro-rated portion of the incentive should Platte River find, in its sole discretion, that the project has been altered in such a way that its energy savings are reduced. Pro-rating shall be done based on the reduction in energy savings and the incentive rates originally used to determine the incentive. This reimbursement obligation shall remain in effect for two years following the date of this Request for Payment. If the Customer or other party completing this application feels that the Project scope needs to be changed in order to maintain adequate system performance, such changes should be made and included in an updated application before submitting this Request for Payment.

3. 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.

4. The permanent removal of lamps, ballast and sockets is required to qualify for rebates for de-lamping a fixture.

5. Existing fixture input wattage claimed that is different (or higher) than wattage listed in the applications must be verified.

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

7. 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.

8. 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.

9. 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.

10. 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.

11. Customer agrees that participation in this program shall impose no liability on Platte River. In consideration of receiving the incentives stated herein, Customer 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 Customer, or any property belonging to Customer, 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. Customer further agrees to HOLD HARMLESS RELEASEES from any loss, liability, damage or costs, including court costs and attorney fees, that may incur due to Customer's participation in the LIGHTENUP Program, WHETHER CAUSED BY THE NEGLIGENCE OF THE RELEASEES OR OTHERWISE. Customer 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 Customer'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 Customer acknowledges that Customer agreed to this Waiver of Liability and Hold Harmless Agreement voluntarily as Customer's own free act, that no oral representations, statements or inducements, apart from this Agreement, have been made, and that Customer is at least eighteen (18) years of age and fully competent and intending to be bound by same.

12. Payments provided by utilities (including Platte River) to Customers for the purchase or installation of energy conservation measures may in some circumstances be considered as (partially) taxable income by the IRS. Customers 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. Customer, or alternate payment recipient, may wish to consult a tax advisor on this matter.

13. Incentive funds will be reserved for no later than 45 days beyond the estimated completion date listed in this application (on Page 3), nor beyond 45 days of building ocupancy 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.

14. Small changes are expected and no 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. The undersigned hereby certifies that the project has been completed as described in this application and/or proposal and that you (the Customer) are satisfied with the performance of the new lighting system and equi including but not limited to: operation, light quantity and quality, energy savings.

Cutomer 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.

Cutomer Signature: _____ Date: _____

Name: _____ Phone: _____

Title: _____

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LIGHTEN**UP** - 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*

PLATTE RIVER POWER AUTHORITY
Estes Park • Fort Collins • Longmont • Loveland

Existing Fixture Equipment	Retrofit or Replace Existing Fixture with:	Fixture Quantity	Rebate per fixture	Potential Incentive	Multipy 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 (LOW ballast factor)		**$10**	$	18	**W**
	1-lamp F28T8 (28-W) with **high efficiency*** electronic ballast (LOW ballast factor)		**$11**	$	20	**W**
2-lamp F34T12 (34 or 40-W) with magnetic ballast	2-lamp F32T8 (32-W) with **high efficiency*** electronic ballast (LOW ballast factor)		**$13**	$	24	**W**
	2-lamp F28T8 (28-W) with **high efficiency*** electronic ballast (LOW ballast factor)		**$16**	$	29	**W**
3-lamp F34T12 (34 or 40-W) with magnetic ballast	3-lamp F32T8 (32-W) with **high efficiency*** electronic ballast (LOW ballast factor)		**$21**	$	42	**W**
	3-lamp F28T8 (28-W) with **high efficiency*** electronic ballast (LOW ballast factor)		**$24**	$	48	**W**
	2-lamp F32T8 (32-W) with **high efficiency*** electronic ballast (NORMAL ballast factor)		**$30**	$	60	**W**
4-lamp F34T12 (34 or 40-W) with magnetic ballast	4-lamp F32T8 (32-W) with **high efficiency*** electronic ballast (LOW ballast factor)		**$21**	$	47	**W**
	4-lamp F28T8 (28-W) with **high efficiency*** electronic ballast (LOW ballast factor)		**$27**	$	60	**W**
	3-lamp F32T8 (32-W) with **high efficiency*** electronic ballast (NORMAL ballast factor)		**$27**	$	60	**W**
	2-lamp F32T8 (32-W) with **high efficiency*** electronic ballast (HIGH ballast factor)		**$31**	$	69	**W**
	2-lamp F32T8 (32-W) with **high efficiency*** electronic ballast (NORMAL ballast factor)		**$40**	$	89	**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 (LOW ballast factor)		**$16**	$	27	**W**
	2-lamp F28T8 (28-W) with **high efficiency*** electronic ballast (LOW ballast factor)		**$20**	$	33	**W**
2-lamp F96T12 (60 or 75-W) with magnetic ballast	4-lamp F32T8 (32-W) with **high efficiency*** electronic ballast (LOW ballast factor)		**$18**	$	30	**W**
	4-lamp F28T8 (28-W) with **high efficiency*** electronic ballast (LOW ballast factor)		**$25**	$	42	**W**
	2-lamp F32T8 (32-W) with **high efficiency*** electronic ballast (HIGH ballast factor)		**$32**	$	53	**W**
	2-lamp F32T8 (32-W) with **high efficiency*** electronic ballast (NORMAL ballast factor)		**$42**	$	70	**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)		**$57**	$	95	**W**
	4-lamp F32T8 (32-W) with **high efficiency*** electronic ballast (HIGH ballast factor)		**$33**	$	55	**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)		**$118**	$	236	**W**
	4-lamp F54T5HO (54-W) with electronic ballast		**$112**	$	224	**W**
250-W metal halide, mercury vapor, or HPS	4-lamp F32T8 with **high efficiency*** electronic ballast (NORMAL ballast factor)		**$89**	$	178	**W**
175/150-W metal halide, mercury vapor, or high-pressure sodium	4-lamp F32T8 with **high efficiency*** electronic ballast (LOW ballast factor)		**$54**	$	108	**W**
	2-lamp F54T5HO (54-W) with electronic ballast		**$40**	$	80	**W**

Existing Fixture Equipment	Retrofit or Replace Existing Fixture with:	Fixture Quantity	Rebate per fixture	Potential Incentive	Multipy by System Wattage Savings	Total Wattage Savings
Screw-in Compact fluorescent, LED, CMH: screw-in compact fluorescent, ceramic metal halide, or LED bulb replacing equivalent incandescent						
Incandescent (existing is less than 100 Watts)	Screw-in compact fluorescent (max. 25 Watts)		**$2**	$	40	**W**
Incandescent R/PAR lamps (90-150 Watts)	Screw-in compact fluoresent or CMH R/PAR lamp (maximum nominal lamp of 25 Watts)		**$4**	$	80	**W**
Halogen/Incandescent MR/R/PAR or other lamps (max 60 Watts)	LED Replacement Bulb, (ENERGY STAR or LM 79/80 Tested)		**$14**	$	47	**W**
Hard-Wired for Compact fluorescent and LED: fixture with pin-based compact fluorescent or GU24 socket conversion kit						
Incandescent	NEW hardwired compact fluorescent, LED or ceramic metal halide fixture (7 to 49 input Watts)		**$27**	$	54	**W**
	GU24 based compact fluorescent with medium based conversion kit (max 25 Watts)		**$12**	$	40	**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)	$		**TOTALS (D)**	$	**TOTALS (G)**	**W**
100% Project Cost Cap, (I)	$					
Actual Incentive, (J) lessor of D or I	$					

*ALL T8 ELECTRONIC BALLASTS MUST BE "HIGH EFFICIENCY" that meet or exceed the Ballast Efficacy Factor as described for ballasts in the CEE (Consortium for Energy Efficiency) High Performance T8 ballast specification. For the most list of qualifying ballasts, visit www.cee1.org.

All incentives are subject to change without notice and are subject to a project incentive limit or if simple payback is 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

Electric cost savings		
Total kW reduction, **(K)** (Box **G**/1,000)		**kW**
Annual lighting hours, h/yr (from page 1), **(L)**		**hours/yr**
Annual electricity savings, kWh/yr, K x L = **(M)**		**kWh/yr**
Average electric rate, $/kWh *(for more accurate electric rate, select from table on the right)* **(N)**	**$0.067**	**/kWh**
Annual electricity cost savings per yr, M x N = **(O)**		**$/yr**
Simple Payback with incentive, # of years **(H -D) /O -** must be less than 15 years to qualify for rebate		**years**

Alternative Electric Rate Table ($/kWh) (N)

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 (L)	Municipality			
	Estes Park	Fort Collins	Longmont	Loveland
2,000	$0.095	$0.072	$0.078	$0.083
3,000	$0.085	$0.072	$0.067	$0.070
4,000	$0.081	$0.070	$0.062	$0.065
5,000	$0.079	$0.067	$0.059	$0.062
6,000	$0.077	$0.065	$0.057	$0.059
7,000	$0.074	$0.064	$0.055	$0.057
8,000	$0.073	$0.063	$0.053	$0.054
No Demand Charge Energy Rate Only	$0.092	$0.072	$0.064	$0.068

**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.prpa.org.