

Effective: May 1, 2017

Pacific Power provides incentives for many types of energy-efficient technologies. Please read the following sections carefully to ensure you follow the appropriate steps for securing your incentive. Equipment must be permanently installed and may be subject to inspection prior to incentive approval.

Incentives for additional measures may be available. For more information about the wattsmart Business program, eligibility requirements, incentive levels or other general inquiries, contact a [wattsmart Business Vendor](#) or Pacific Power. You can visit the program website at [bewattsmart.com](#) and inquire online, or you can call our energy services hotline at 1-800-222-4335.

HIGH-EFFICIENCY LIGHTING RETROFITS

Measure description: Lighting retrofit projects are one of the most common and effective energy efficiency opportunities available to commercial and industrial customers.

Applicability: Changes, modifications, or additions to lighting systems or equipment in existing square footage.

Retrofit lighting projects generally do not significantly alter lighting system layouts or light levels. Lighting system redesign that significantly alters system layouts and/or light levels or is driven by changes to space use, space occupancy or occupant requirements may not be eligible for retrofit lighting incentives. For information on other lighting project types, please refer to the “New construction/Major Renovation High-efficiency Lighting” section found on page 5. Please contact us for any questions regarding retrofit lighting eligibility.

It is expected that retrofitted lighting systems meet industry standards applicable to the space(s) and use type(s) associated with the project.

Equipment eligibility: Pacific Power offers incentives for qualifying lighting equipment and lighting controls. To be eligible for the incentives listed in Table 1, equipment must be purchased and installed on or after May 1, 2017. The new lighting system must use less energy than the existing/baseline lighting system.

Incentives are offered for common lighting improvements as shown in Table 1, and are subject to project incentive caps. Certain lighting technologies/upgrades have been deemed ineligible for incentives. See the “Qualified Lighting Equipment Policy” section at the end of this catalog.

Incentive caps: The incentive will be limited to 70 percent of the eligible project costs and will also be capped to maintain a simple payback greater than or equal to one year (including incentives).

Prequalification required? Prequalification prior to placing purchase orders is recommended but not required. Incentives for high-efficiency lighting retrofits are available via a post-purchase incentive application process.

Note: Pacific Power has a lighting calculation software tool for Retrofit projects. It is available for wattsmart Business Vendors to calculate project-specific energy savings, project economics, and eligible incentives for retrofit projects. Visit our website at [bewattsmart.com](#) for a current list of participating wattsmart Business Vendors. Contact a [participating vendor](#) or Pacific Power for next steps.

Post-installation inspection: An inspection of the installed equipment may be required prior to incentive payment.

Items to submit prior to incentive payment: An inspection of the installed equipment may be required prior to incentive payment. The following documents are required to be submitted with completed Incentive Application for Post-purchase Lighting Projects before incentive payment will be processed:

1. Dated sales receipt/invoice for the installed equipment.
2. Completed Pacific Power lighting software tool.
3. A current copy of the Pacific Power utility bill for the address where the item(s) are installed.

Information on lamp and ballast recycling: Fluorescent and High-Intensity Discharge (HID) lighting contain trace amounts of mercury and other toxic materials. Lamps and ballasts should always be disposed of properly in accordance with state and federal regulations. Please consult with the California Department of Resources Recycling and Recovery for information on recycling lamps and ballasts. Information on collection programs or recyclers can be found at <http://www.calrecycle.ca.gov/reducewaste/fluoreslamps/>.

TABLE I. RETROFIT LIGHTING EFFICIENCY REQUIREMENTS & INCENTIVE LEVELS

Measure	Category	Eligibility Requirements	Incentive
Interior Lighting	Lighting Retrofits (not listed below) (See Note 6)	Lighting equipment must be listed on qualified equipment list. (See Note 5)	\$0.15/kWh annual energy savings
	TLED Relamp	Lamp wattage reduction of ≥ 10 Watts, no ballast or driver retrofit.	\$4/lamp
	T8 or T5 Fluorescent Relamp	Lamp wattage reduction of ≥ 3 Watts, no ballast replacement.	\$1/lamp
Exterior Lighting	Lighting Retrofits (See Note 6)	Lighting equipment must be listed on qualified equipment list. (See Note 5)	\$0.09/kWh annual energy savings

Notes for Table I:

- To be eligible for the incentives listed, the new lighting system must use less energy than the existing lighting system replaced or the baseline lighting system as determined by Pacific Power.
- Incentives are capped at 70 percent of Energy Efficiency project costs and incentives will not be available to reduce the Energy Efficiency Project simple payback below one year. Energy Efficiency project costs are subject to Pacific Power approval.
- Complete fixture removals are not eligible.
- Incentives for TLED and T8/T5 Fluorescent Relamps may not be combined with other lamp or fixture incentives and will only be paid once per facility.
- Qualified eligible retrofit lighting equipment is defined in qualified equipment lists posted on Pacific Power's website and in the "Qualified Lighting Equipment Policy" section at the end of this catalog.
- Per California state energy code (CA Title 24 - 2016) and program requirements, parking garages and areas under parking decks are considered interior spaces. Top decks are considered exterior spaces. Exterior lighting that is used to illuminate the face of a building/sign or landscaping features will be considered Exterior Lighting – Lighting Retrofits. Examples include but are not limited to: facade lighting, billboard lighting, flag pole lighting, etc.
- Qualified make and model numbers need to be entered into lighting worksheet.
- The Customer or Owner may receive only one financial incentive from Pacific Power per measure. Incentives listed in the table above cannot be combined with incentives received either through the point of purchase Instant Incentive offer or the wattsmart Homes program.
- Calculated lighting incentives will be the product of multiplying Pacific Power's estimate of annual energy savings by the incentive/kWh rate listed above. Energy savings are subject to approval and will be offered at Pacific Power's sole option. Energy Efficiency project costs are subject to Pacific Power approval. Certain lighting technologies/upgrades have been deemed ineligible for incentives. See the "Qualified Lighting Equipment Policy" section at the end of this catalog.

TLED = Tubular Light-Emitting Diode

RETROFIT LIGHTING CONTROLS

Measure description: Lighting Controls help reduce energy use by turning off lighting equipment when it is not needed.

Applicability: Retrofit applications only.

Equipment eligibility: Pacific Power offers prescriptive incentives for qualifying installations of lighting controls. Equipment must be purchased and installed in order to be eligible for the incentives listed in this catalog. All retrofit lighting control incentives and energy savings are calculated per lighting watt controlled. Daylighting and Advance Daylighting controls are eligible for incentives only within daylighting zones. Daylighting zones are determined as described in the 2016 Building Efficiency Standards. It is recommended that program start ballasts be installed where occupancy sensors are used to control fluorescent lighting.

Prescriptive incentives are offered for lighting controls as shown in Table 2 and are subject to project incentive caps.

Custom incentives may be offered for lighting controls for an upgrade that is not listed in Table 2. Custom incentives for lighting controls require pre-qualified, custom analysis. Contact us at 1-800-222-4335 for additional information.

Incentive caps apply to lighting controls. The incentive will be limited to 70 percent of the eligible project costs and will also be capped to maintain a simple payback greater than or equal to one year (including incentives).

Prequalification required? Prequalification is recommended, but not required for retrofit projects involving controls included in Table 2. Projects involving controls listed on Table 2 may apply for incentives using the Incentive Application for Post-purchase Lighting Projects along with the lighting calculation software tool.

Items to submit with a copy of the wattsmart Business general application:

- A copy of the completed [Lighting – Post-purchase application supplement](#)
- All other documentation as requested in the application supplement.

For projects involving lighting controls not listed in Table 2, custom incentives may be available. Contact us or a [participating wattsmart Business Vendor](#) prior to purchasing equipment.

TABLE 2. RETROFIT LIGHTING CONTROLS EFFICIENCY REQUIREMENTS & INCENTIVE LEVELS

Measure	Category	Eligibility Requirements	Incentive
Interior Lighting Control	Occupancy Control	PIR, Dual Tech or Integral Sensor.	\$0.30/Watt controlled
	Daylighting Control	Must control interior fixtures with Continuous, Stepped or Bi-level ballast or automated control that dims 50 percent or more of the fixture in response to daylight.	\$0.34/Watt controlled
	Advanced Daylighting Control	Must incorporate both an occupancy sensor and daylighting sensor operating as part of the same control sequence in the same interior space.	\$0.38/Watt controlled
	Custom	Not listed above.	\$0.15/kWh annual energy savings
Exterior Lighting Control	Exterior Dimming Controls	Must control LED technology in an exterior lighting application. Control must be integral to LED fixture or fixture-mounted and reduce fixture power by 75 percent or more for a minimum of 6 hours per night or during any period when no activity has been detected for a time no longer than 15 minutes.	\$0.34/Watt controlled
	Custom	Not listed above.	\$0.15/kWh annual energy savings

Notes for Table 2:

1. To be eligible for the incentives listed, the new lighting system must use less energy than the existing lighting system replaced or the baseline lighting system as determined by Pacific Power.
2. Incentives are capped at 70 percent of eligible Energy Efficiency project costs, and incentives will not be available to reduce the Energy Efficiency Project simple payback below one year. Energy Efficiency project costs are subject to Pacific Power approval.
3. Incentives for Advanced Daylighting Controls or Exterior Dimming Controls may not be combined with other lighting control incentives.
4. Watt controlled refers to the total wattage of lighting fixtures down circuit from the control.
5. Custom lighting incentives will be the product of multiplying Pacific Power's estimate of annual energy savings by \$0.15kWh and will be offered at Pacific Power's sole option. Energy Efficiency project costs are subject to Pacific Power approval. Certain lighting technologies/upgrades have been deemed ineligible for incentives. See the "Lighting Equipment Not Eligible for Retrofit Incentives" section at the end of this catalog.

PIR = Passive Infra-Red

Dual Tech = Sensors combining ultrasonic and passive infra-red

LED = Light Emitting Diode

LED SIGNAGE (NON-GENERAL ILLUMINANCE) (RETROFIT ONLY)

Measure description: Incentives for non-general illuminance are available for signage using LED technology. Incentives are available for four types of LED signs: LED Exit Sign, LED Message Center Sign, LED Channel Letter Sign and LED Marquee/Cabinet Sign. Incentives for LED traffic light installations are not available.

- **Exit Signs** direct people to the nearest building exit.
- **Message Center Signs** display text/graphics and are commonly found on storefronts, restaurants and arenas.
- **Channel Letters** are individually illuminated letters and graphics that are typically found on storefronts.
- **Marquee/Cabinet Signs** illuminate translucent signs from within.

Applicability: Only retrofit projects may be eligible for incentives listed in Table 3. In order to qualify for incentives, LED Message Center Signs must replace incandescent signage, LED Channel Letter Signs must replace neon or fluorescent signage, LED Marquee/Cabinet Signs must replace fluorescent signage, and LED Exit Signs must replace incandescent or fluorescent exit signs.

Equipment eligibility: Equipment must be purchased and installed and meet all other program terms and conditions. LED products must be certified by a [Nationally Recognized Testing Laboratory](#) (NRTL). It is the customer's responsibility to ensure that the LED products selected have received the appropriate safety certifications.

Prequalification required? Incentives are available via a post-purchase incentive application process. Applying prior to placing purchase orders is recommended but not required.

Items to submit with a copy of the wattsmart Business general application:

1. A copy of the completed [Lighting – Post-purchase application supplement](#)
2. All other documentation as requested in the application supplement.

Prequalification required? No. Incentives are available via a post-purchase incentive application process. Applying prior to placing purchase orders is recommended but not required.

TABLE 3. LED SIGNAGE EFFICIENCY REQUIREMENTS & INCENTIVE LEVELS

Measure	Category	Eligibility Requirements	Incentive
Non-general Illuminance (Retrofit Only)	LED Message Center Sign	LED replacing existing incandescent signage	\$5/Lamp Replaced
	LED Channel Letter Sign	LED replacing existing neon or fluorescent signage	\$5/Linear foot
	LED Marquee/Cabinet Sign	LED replacing existing fluorescent signage	\$5/Linear foot
	LED Exit Sign	LED or photoluminescent replacing existing incandescent or fluorescent	\$15/Sign
	Custom	Not listed above	\$0.15/kWh annual energy savings

Notes for Table 3:

1. To be eligible for the incentives listed, the new lighting system must use less energy than the existing lighting system replaced or the baseline lighting system as determined by Pacific Power.
2. Incentives are capped at 70 percent of eligible Energy Efficiency project costs and incentives will not be available to reduce the Energy Efficiency Project simple payback below one year. Energy Efficiency project costs are subject to Pacific Power approval.
3. Linear footage is calculated as follows:
 - a. Channel Letters – The actual, measured linear footage of the LED illuminant. All measurements may be subject to verification via inspection prior to approval.
 - b. Marquee/Cabinet Signs – The linear footage of the fluorescent tubes being replaced by LED technology.
4. Custom lighting incentives will be the product of multiplying Pacific Power's estimate of annual energy savings by \$0.15/kWh and will be offered at Pacific Power's sole option. Energy Efficiency project costs are subject to Pacific Power approval. Certain lighting technologies/upgrades have been deemed ineligible for incentives. See the "Qualified Lighting Equipment Policy" section at the end of this catalog.

LED = Light-Emitting Diode

LED REFRIGERATED CASE LIGHTING AND CONTROLS (RETROFIT ONLY)

Measure description: Fixtures within refrigerated reach-in display cases used to display refrigerated products. Replacing existing fluorescent lighting with energy-efficient LED light bars reduces total lighting wattage and heat gain in the refrigerated space.

Applicability: *Retrofit* projects only may be eligible for incentives. LED technology must replace fluorescent lamps within existing refrigerated reach-in display cases used to display refrigerated products. Walk-in coolers/freezers or back room stock freezers are not eligible for LED Refrigerated Case Lighting incentives.

Incentive caps apply to LED refrigerated case lighting and controls incentives. The incentive will be limited to 70 percent of the eligible project costs and will also be capped to maintain a simple payback greater than or equal to one year (including incentives). Energy Efficiency project costs are subject to Pacific Power approval.

Equipment eligibility: To qualify for the incentives listed in this catalog, equipment must be purchased and installed and meet all other program terms and conditions. LED fixtures must be listed on the approved qualified products list. See the “Qualified Lighting Equipment Policy” section at the end of this catalog.

Prequalification required? Incentives are available via a post-purchase incentive application process. Applying prior to placing purchase orders is recommended but not required.

Items to submit with a copy of the wattsmart Business general application:

1. A copy of the completed [Lighting – Post-purchase application supplement](#).
2. All other documentation as requested in the application supplement.

**TABLE 4. LED REFRIGERATED CASE LIGHTING AND CONTROLS
EFFICIENCY REQUIREMENTS & INCENTIVE LEVELS**

Category	Eligibility Requirements	Customer Incentive
LED Case Lighting - Reach-In Case	LED replacing fluorescent lamp in existing refrigerated cases. LED must be listed on qualified equipment list.	\$10/linear foot
LED Case Lighting - Open Case		\$10/linear foot
Refrigerated Case Occupancy Sensor	Installed in existing refrigerated case with LED lighting.	\$1/linear foot

NEW CONSTRUCTION/MAJOR RENOVATION HIGH-EFFICIENCY LIGHTING (INTERIOR)

Measure description: Installing high-efficiency lighting during construction can be a cost-effective means of saving electricity.

Applicability:

New Construction: A newly constructed facility or newly constructed square footage added to an existing facility.

Major Renovation: A change in facility use type or where the existing system will not meet owner/customer projected requirements within existing facility square footage.

It is expected that new construction or major renovation lighting systems meet industry standards that are applicable to the space(s) and use type(s) associated with the project.

Interior equipment eligibility: In order to qualify for incentives, the new construction/major renovation project must be completed and meet all other program terms and conditions as listed in Table 5.

For new construction/major renovation projects, the whole building’s total connected interior lighting power (watts/square foot) must be 10 percent lower than the interior lighting power allowance calculated under the applicable California energy code (see Tables 6A/B below for the current code). Lighting controls required by energy code are not eligible for incentives.

Prequalification required? Incentives for new construction/major renovation lighting upgrades are available via a post-purchase incentive application process. Prequalification is recommended but not required to receive incentives. Installed equipment may be subject to inspection prior to incentive approval.

Note: Pacific Power has a lighting calculation software tool for new construction/major renovation projects. It is available for wattsmart Business Vendors to calculate project-specific energy savings, project economics, and eligible incentives for new construction/major renovation projects. Visit our website at bewattsmart.com for a current list of participating wattsmart Business Vendors. Contact a [participating vendor](#) or Pacific Power for next steps.

Items to submit with a copy of the wattsmart Business general application:

1. A copy of the completed [Lighting – Post-purchase application supplement](#)
2. All other documentation as requested in the application supplement.

TABLE 5. NEW CONSTRUCTION AND MAJOR RENOVATION INTERIOR LIGHTING INCENTIVES			
Measure	Category	Eligibility Requirements	Incentive
Interior Lighting	Lighting and Lighting Control	<ol style="list-style-type: none"> 1. The total connected interior lighting power for New Construction/Major Renovation projects must be 10 percent lower than the interior lighting power allowance calculated under Title 24-2016. For New Construction/Major Renovation projects not included in Title 24-2016, the total connected lighting power must be at least 10 percent lower than common practice as determined by Pacific Power. 2. Energy savings are subject to approval by Pacific Power. 	\$0.08/kWh annual energy savings

Notes for Table 5:

1. Pacific Power recommends that interior LED fixtures and lamps be listed on the approved products list on at least one of the following websites:
 - ENERGY STAR®: www.energystar.gov
 - DesignLights Consortium: www.designlights.org
 - Lighting Design Lab: lightingdesignlab.com
2. Lighting controls required by or used to comply with the applicable version of the state energy code are not eligible for incentives.
3. It is recommended that program start ballasts be installed where occupancy sensors are used to control fluorescent lighting.
4. Project Cost Caps of 70 percent and one-year Simple Payback Caps apply to New Construction and Major Renovation projects that are not subject to state energy code. The one-year simple payback cap means incentives will not be available to reduce the simple payback of a project below one year. If required, individual measure incentives will be adjusted downward pro-rata so the project has a simple payback of one year after incentives.

NEW CONSTRUCTION/MAJOR RENOVATION HIGH-EFFICIENCY LIGHTING (CONTINUED)

TABLE 6A. 2016 BUILDING EFFICIENCY STANDARDS MAXIMUM LPDs FOR COMPLETE BUILDING METHOD	
THIS TABLE IS FOR REFERENCE ONLY	
(2016 Building Efficiency Standards, Table 140.6-B, Complete Building Method Lighting Power Density Values)	
Building Area Type	Allowed Lighting Power Density (Watts Per Square Foot)
Auditorium Building	1.4
Classroom Building	1.1
Commercial and Industrial Storage Building	0.6
Convention Center Building	1.0
Financial Institution Building	1.0
General Commercial Building/Industrial Work Building	1.0
Grocery Store Building	1.5
Library Building	1.2
Medical Building/Clinic Building	1.0
Office Building	0.8
Parking Garage Building	0.2
Religious Facility Building	1.5
Restaurant Building	1.1
School Building	1.0
Theater Building	1.3
All others buildings	0.5

TABLE 6B 2016 BUILDING EFFICIENCY STANDARDS MAXIMUM LIGHTING POWER DENSITIES (LPD) FOR AREA CATEGORY METHOD CATEGORY

THIS TABLE IS FOR REFERENCE ONLY

(2016 Building Efficiency Standards, Table 140.6-C, Area Category Method Lighting Power Density Values)

Primary Function	Allowed LPD (W/ft²)	Primary Function	Allowed LPD (W/ft²)
Auditorium	1.4	Library - Reading areas	1.1
Auto Repair	0.9	Library - Stacks	1.5
Beauty Salon	1.7	Lobbies - Hotel lobby	0.95
Civic Meeting Place	1.3	Lobbies - Main entry lobby	0.95
Classrooms, lecture, training, vocational room	1.2	Locker/dressing room	0.7
Commercial and industrial storage (conditioned. & unconditioned.)	0.6	Lounge/recreation	0.90
Commercial and industrial storage (refrigerated)	0.7	Malls and atria	0.95
Convention, conference, multipurpose and meeting centers	1.2	Medical and clinical care	1.2
Corridors, restrooms, stairs, and support areas	0.6	Offices - > 250 square feet	0.75
Dining	1.0	Offices - < 250 square feet	1.0
Electrical, mechanical, telephone rooms	0.55	Parking garage - Parking Area	0.14
Exercise center, gymnasium	1.0	Parking garage - Ramps and Entries	0.30
Exhibit, museum	1.8	Parking garage – Daylight adaption zone	0.60
Financial transactions	1.0	Religious worship	1.5
General commercial and industrial work - Low bay	0.9	Retail merchandise sales, wholesale showrooms	1.2
General commercial and industrial work - High bay	1.0	Theaters - Motion picture	0.9
General commercial and industrial work - Precision	1.2	Theaters - Performance	1.4
Grocery sales	1.2	Transportation Function Area – Concourse/Baggage	0.50
Hotel function area	1.4	Transportation Function Area – Ticketing	1.0
Kitchen, food preparation	1.2	Videoconferencing studio	1.2
Laboratory, Scientific	1.4	Waiting area	0.80
Laundry	0.7	All other	0.50

NEW CONSTRUCTION/MAJOR RENOVATION EXTERIOR LIGHTING

Measure description: Installing high-efficiency lighting during construction can be a cost-effective means of saving electricity.

Applicability:

New Construction: A newly constructed facility or newly constructed square footage added to an existing facility.

Major Renovation: A change in facility use type or where the existing system will not meet owner/customer projected requirements within existing facility square footage.

Exterior equipment eligibility: In order to qualify for exterior lighting incentives listed in Table 7 of this catalog, equipment must be purchased, installed, and meet all other requirements listed.

Incentives for LED technologies may be available for new construction/major renovation exterior fixtures not listed in Table 7, such as LED exterior recessed downlights, LED bollard fixtures, etc. Energy analysis is required and the equipment must be listed on a qualifying list. Pre-approval for exterior lighting in new construction/major renovation is strongly recommended, but not required. Approval of custom incentives is at the sole option of Pacific Power. Contact us at 1-800-222-4335 for additional information.

Items to submit with a copy of the wattsmart Business general application:

1. **A copy of the completed [Lighting – Post-purchase application supplement](#)**
2. **All other documentation as requested in the application supplement.**

Prequalification required? Incentives for new construction/major renovation exterior lighting upgrades as described in Table 7 are available via a post-purchase incentive application process. Prequalification prior to placing purchase orders is recommended but not required.

Note: Pacific Power has a lighting calculation worksheet used to calculate project-specific energy savings, project economics and eligible incentives for new construction/major renovation exterior lighting projects. Lighting calculation worksheets are available through [wattsmart Business Vendors](#) or by contacting Pacific Power. Visit the program website at bewattsmart.com for a current list of wattsmart Business Vendors.

TABLE 7. NEW CONSTRUCTION AND MAJOR RENOVATION EXTERIOR LIGHTING INCENTIVES

Measure	Category	Eligibility Requirements	Incentive
Exterior Lighting	Induction Fixture	All wattages, new fixtures only.	\$25/Fixture
	LED Outdoor Pole/Roadway, decorative	<75W; LED must be listed on qualified equipment list	\$25/Fixture
	LED Outdoor Pole/Roadway	≤200W; LED must be listed on qualified equipment list	\$50/Fixture
		>200W; LED must be listed on qualified equipment list	\$175/Fixture
	LED Canopy/Soffit	LED must be listed on qualified equipment list	\$50/Fixture
	LED Wall Packs	<50 Watts; LED must be listed on qualified equipment list	\$50/Fixture
		≥ 50 Watts; LED must be listed on qualified equipment list	\$50/Fixture
	LED Flood Lights	<100 Watts; LED must be listed on qualified equipment list	\$50/Fixture
		≥ 100 Watts; LED must be listed on qualified equipment list	\$100/Fixture
	CFL Wall Pack**	All Wattages, Hardwire Fixtures Only	\$10/Fixture**
Custom	Not listed above (see Note 2)	\$0.08/kWh annual energy savings	

** Incentives for CFL Wall Packs will not be available after April 14, 2019.

Notes for Table 7:

1. New construction and major renovation exterior fixtures must be listed on the approved products list. See the “Qualified Lighting Equipment Policy” section at the end of this catalog.
2. Energy Efficiency project costs are subject to Pacific Power approval. Certain lighting technologies/upgrades have been deemed ineligible for incentives. See the “Qualified Lighting Equipment Policy” section at the end of this catalog.
3. Lighting controls required by or used to comply with the applicable version of the state energy code are not eligible for incentives.
4. Project Cost Caps of 70 percent and one-year Simple Payback Caps apply to New Construction and Major Renovation projects that are not subject to state energy code. The one-year simple payback cap means incentives will not be available to reduce the simple payback of a project below one year. If required, individual measure incentives will be adjusted downward pro-rata so the project has a simple payback of one year after incentives.

QUALIFIED LIGHTING EQUIPMENT POLICY

This policy applies to all lighting incentive eligibility as described in this Lighting Catalog and is effective May 1, 2017 for all projects with a valid Incentive Offer or lighting incentive application. This policy supersedes all previous wattsmart Business LED/SSL qualification policies. For lighting technologies not specified below, nor listed in the “Ineligible Lighting Technologies” section, qualified product listings are not required.

General Illuminance Lighting

To qualify for incentives, any **general illuminance** product submitted for an incentive must meet the requirements as listed below.

General illuminance lighting is defined below:

- **Interior:** All lighting equipment contributing to the lighting power density (LPD) of a space falls into the general illuminance category. All LED/SSL equipment contributing to LPD must be on one of the qualifying lists to be eligible for incentives. Low-voltage LEDs must be listed on one of the qualifying lists.
- **Exterior:** All lighting on the exterior of a building that contributes illuminance for safety, security, or function of a building and associated exterior space is also considered to be in the general luminance category. All LED/SSL equipment used for exterior illumination must be on one of the qualifying lists to be eligible for incentives.

LED/SSL Products

To qualify for incentives, any **general illuminance** LED/SSL product submitted for an incentive must be listed on *at least one* of the Qualified Fixture List options below. Documentation of the LED/SSL listing must be included for each product type and project submitted. The product must be listed on the qualified list at the time of project pre-approval. Please note that products used in lighting applications outside of the listed category are subject to review and may not be eligible for incentives. It is the customer’s responsibility to ensure that the LED products selected have received the appropriate safety (NRTL) certifications.

Option 1: ENERGY STAR® qualified fixtures and lamps list:

- www.energystar.gov
- The majority of products on the ENERGY STAR list are lamps or recessed can fixtures.

Option 2: DesignLights Consortium’s (DLC) Commercial Fixtures qualified list:

- www.designlights.org
- The majority of products listed here are either fixtures or retrofit products (interior or exterior).

Option 3: Lighting Design Lab’s (LDL) LED Qualified Fixture and Tubular LED lamps list:

- www.lightingdesignlab.com
- This list is an interim qualifying list while products are being reviewed by ENERGY STAR or the DLC *and is only good for one year*. The LDL list uses the same ENERGY STAR and DLC qualification standards to obtain product certification, but is designed for a faster review and approval. If a product is not on one of the first two lists above (option 1 or 2), check the LDL list.

In addition to the lists above, new construction and major renovation exterior LED fixtures must be on the approved products list and be categorized as described in the table below.

EXTERIOR LED OUTDOOR AREA AND ROADWAY CATEGORIES		
Category	DesignLights Consortium Product Category	Lighting Design Labs Fixture/Lamp Type
LED Outdoor Pole/ Roadway, decorative	Outdoor Pole/Arm-Mounted Decorative Luminaires	Outdoor Pole/Arm-Mounted - Decorative Luminaires
	Retrofit Kits for Outdoor Pole/Arm-Mounted Decorative Luminaires	
LED Outdoor Pole/ Roadway	Outdoor Pole/Arm-Mounted Area and Roadway Luminaires	Outdoor Pole-Mounted Area and Roadway Luminaires
	Retrofit Kits for Outdoor Pole/Arm-Mounted Area and Roadway Luminaires	
LED Canopy/Soffit	Parking Garage Luminaires	Parking Garage Luminaires
	Fuel Pump Canopy Luminaires	Fuel Pump Canopy Luminaires
LED Wall Packs	Outdoor Wall-Mounted Area Luminaires	Outdoor Wall-Mounted Area Luminaires
LED Flood Lights	Landscape/Accent Flood and Spot Luminaires	Outdoor Wall/Ground- Mounted Luminaires
	Architectural Flood and Spot Luminaires	

The above lists are updated monthly. To access the current lists, or for information on how to get product qualified, please refer to each organization’s website.

LED/SSL Products Exceptions

If the product is *NOT* listed on one of the above lists, contact the manufacturer to obtain these certifications or consider using a listed product. There are few exceptions to this policy that are provided below. To be considered for an exception, products must fit the descriptions below and the necessary documentation must be provided to be considered as an alternate means of product qualification.

Pacific Power does NOT endorse any of the LED products on the above lists. Pacific Power reserves the right to review and approve any LED product on a case-by-case basis. Pacific Power reserves the right to reject any product that is used outside of its DLC or ENERGY STAR approved category.

Exception: Non-general illuminance

- Lighting equipment that does not meet the definition of general illuminance lighting is considered non-general illuminance lighting. Examples of non-general illuminance lighting include signage and specialty lighting (i.e. LED Message Center, Channel Letter, and Stage Lighting). Please note that non-general illuminance lighting requires NRTL certification, but does not require prequalification through one of the options listed above. Non-general illuminance does not require a separate application for exception. Please see the non-general illuminance section below.

Exceptions (subject to approval)

Specialized products that do not have a corresponding category on the qualified list:

- Products with a specialized application that do not have a category on the qualified lists may be considered for incentive eligibility on a case-by-case basis.
 - » An example that may be considered for this exception is underwater pool lights.
- To be considered for this exception, participants must submit the product specifications to Pacific Power for review by one of their lighting specialists.
- This option is only available for products without a listed category and is not available for products within a listed category used in a specialized application.
- Approved exceptions will be eligible for incentives at the prescriptive lighting incentive rate.

Products with variance from qualified models due to non-performance based attributes:

- Products whose model number varies from the qualified base fixture model due to attributes that do not affect lighting performance may be considered for incentive eligibility on a case-by-case basis.
 - » Attributes that may be considered for exception:
 - Integral Controls
 - Input Voltage
 - Mounting Type
 - Housing Color
 - » Variances in the following attributes will not be considered for exception:
 - CCTs
 - Lumens per Watt
 - CRI
 - Efficacy
 - Lumen Maintenance
 - Lumen Density
- To be considered for this exception, participants must submit the product specifications to Pacific Power for both the qualified model and the variant model for review by a lighting specialist. The product specifications must demonstrate that performance is not altered by the variant attribute(s).
- Approved exceptions will be eligible for incentives listed in the incentive tables.

Updates to already qualified products:

- New and improved versions of an already qualified product may be considered for incentive eligibility on a case-by-case basis.
- Participant must submit manufacturer's documentation that the product is simply a newer generation and will be submitted to one of the three approved lists. Documentation for file must show base fixture plus new specifications of that same fixture used.

Instructions for requesting an exception

Customers requesting an exception should submit their product information to the Pacific Power project manager supporting the project or send an email to wattsmartbusiness@pacificpower.net. Include your customer name and location so the information can be tied to your project in process with us.

Trade allies (electrical contractors, manufacturers and distributors) requesting an exception should submit their product information to a wattsmart Business Vendor Network (Network) coordinator.

Requests for exception will be accepted from active projects and projects in preliminary stages only. Completed projects are not eligible for an exception. Submittals containing mass quantities of product types will not be accepted.

Applications for an exception will be reviewed by a lighting specialist. A response will be provided within three (3) business days.

If a request for exception is approved, the response provided will include an acknowledgment that the product is eligible for incentives. A customer/trade ally may use the product in future projects, but must submit the product information and acknowledgment of the exception as part of the project information submitted for pre-approval.

If you have questions about the policy or what documentation is required, please contact your Network coordinator or contact us toll free at 1-800-222-4335 or send an email to wattsmartbusiness@pacificpower.net.

T8 fluorescent incentive policy

To qualify for incentives, any **general illuminance** T8 fluorescent product submitted for an incentive must be listed on the Consortium for Energy Efficiency T8 Replacement Lamp qualifying product list. Documentation of the T8 fluorescent listing must be included for each product type and project submitted. The product must be listed on one of the qualified lists at the time of project pre-approval.

Exceptions (subject to approval)

T8 fluorescent products that do not have a corresponding category on the qualified list:

- Products with a T8 fluorescent form that do not have a category on one of the qualified lists may be considered for incentive eligibility on a case-by-case basis.
 - » An example that may be considered for this exception is 3 foot T8 lamps.
- To be considered for this exception, participants must submit the product specifications to Pacific Power for review by one of their lighting specialists.
- Approved exceptions will be eligible for incentives at the lighting incentive rate listed in table 1.

Non-General Illuminance Lighting

Lighting equipment that does not meet the definition of general illuminance lighting, is considered non-general illuminance lighting. Examples of non-general illuminance lighting include signage and specialty lighting (i.e. LED Message Center, Channel Letter, Stage Lighting, and LED refrigerated case lighting). LED refrigerated case lighting must meet the requirements as listed in the section below. All other non-general illuminance lighting products must be certified by a Nationally Recognized Testing Lab (NRTL). To be eligible for incentives, documentation of NRTL certification must be submitted with all non-general illuminance lighting submissions.

LED Refrigerated Case-lighting products

To qualify for incentives, any LED refrigerated case-lighting product submitted for an incentive must be listed on the Qualified Fixture List below. Documentation of the LED refrigerated case-lighting product listing must be included for each product type and project submitted. The product must be listed on the qualified list at the time of project pre-approval. Please note that products used in lighting applications outside of the listed category are not eligible for incentives.

DesignLights Consortium's (DLC) commercial fixtures qualified list:

- LED refrigerated case-lighting products must have a primary use designation/category of Vertical Refrigerated Case Luminaires or Horizontal Refrigerated Case Luminaires.
- www.designlights.org

Ineligible Lighting Technologies

Certain lighting technologies/upgrades have been deemed ineligible for incentives. The following technologies are not eligible to receive incentives through the wattsmart Business program for retrofit projects.

Category	Description
HID	HPS-High Pressure Sodium.
	MH-Metal Halide.
	MV-Mercury Vapor.
	PSMH-Pulse Start Metal Halide less than 500 Watts.
	CMH-Ceramic Metal Halide.
	PSMH-Pulse Start Metal Halide.
	Pulse Start Metal Halide Electronic ballasts. (effective 2/10/2017)
Fluorescent	Incentives for T8 fluorescent lamps are only available for CEE qualified products.
	T10, T12, T17 fluorescent Lamps.
Incandescent	All incandescent lamps are ineligible for incentives.
Induction	Induction retrofits and retrofit-kits using existing fixture housing.
LED	LED traffic lights.
	LEDs not listed on a qualified list.
CFL	Incentives are not available for compact fluorescent lighting (CFL)
Fixture Relamps	Incentives are not offered when no modifications are made to an existing fixture other than to replace an existing lamp with a lower-wattage lamp of the same technology, other than the fluorescent and TLED Relamp categories listed in Table I.

Certain lighting technologies/upgrades are ineligible for new construction or major renovation incentives. The following technology is ineligible to receive incentives through the wattsmart Business program for new construction or major renovation projects.

Category	Description
CFL	Compact fluorescent lamps are not eligible for incentives in new construction/major renovation interior lighting projects.
	Compact fluorescent lamps are not eligible for custom incentives in new construction/major renovation exterior lighting projects.