

2019 New Equipment & Construction Lighting Worksheet



RETROFIT LIGHTING INCENTIVE WORKSHEET

NEW LIGHTING

Location / Room / Area	Annual Hours	Product Code (Table A)	Lighting Type (from Table 1)	Lamps per Fixture	Lamp Wattage	Number of Fixtures	Incentive per Fixture (\$)	Total Incentive (\$)
<i>Example: Parking Lot</i>	4,345	90L	<i>LED Lamps and Fixtures-LED</i>	1	90	8	\$100	\$800

LIGHTING TOTAL

LIGHTING CONTROLS INCENTIVE WORKSHEET

Location / Room / Area	Lighting Control Product Code (Table A-1)	Number of Controls	Lighting Type (from Table 1)	Lamps per Fixture	Lamp Wattage	Number of Fixtures Controlled	Annual Hours without Controls	Annual Hours Reduced with Controls	% Power Reduction for Daylight Dimming	Incentive per Unit (Table A1) (\$)	Total Incentive (\$)
<i>Example: Conference Room</i>	1	6	<i>T8 HP - 4 Foot</i>	2	32	12	3,200	800	N/A	\$50	\$300
<i>Example: Reception</i>	3	8	<i>LED Lamps & Fixtures – LED</i>		35	10	3,200	N/A	50%	\$20	\$200

CONTROL TOTAL

LIGHTING AND CONTROL TOTAL

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Instructions for completing the NE&C LIGHTING Incentive Worksheet



General Note:

1. This application is for new high efficiency lighting fixtures, systems and controls.
2. Cutsheets / specifications including photometric tables must be submitted and reviewed by the utility to verify compliance with technical requirements.
3. Proof of Purchase includes invoice(s) indicating the cost, type, manufacturer, model or part number, purchase date, and vendor of the efficient equipment are required for payment of incentives.
4. The incentive, in conjunction with all other sources of funding, cannot exceed the total project cost.
5. Project must be completed by the "Offer Valid Through" date on the front of the application to be eligible for incentive. After that date the preapproval is void and the business will need to contact their Utility to reapply for incentive pending funding availability.

Eligibility Requirements:

1. Systems must operate on average 2,000 hours annually unless otherwise specified by the product code. Lighting project average must be at least 2,000 hours (total kWh/total kW).
2. Use Code 99L for LED fixtures not covered by another product code
3. Minimum watts for prescriptive control products is the average total watts controlled per controller.
4. The incentive offer is not valid unless signed and dated by the Utility Representative. The Customer accepts the Utilities incentive offer and agrees to the Terms and Conditions of the Utility by signing in the pre-approval offer block.
5. Projects need to be pre-approved prior to installation to be eligible for incentives.

LED Specific Documentation Requirements

LED fixtures and lamps must be listed on ENERGY STARS's (ES), Designlights Consortium (DLC) or the utilities' websites. For more information see the DLC's listing <http://www.designlights.org/> or ENERGY STAR's website: Bulbs: <http://www.energystar.gov/productfinder/product/certified-light-bulbs/results>, Fixtures: <http://www.energystar.gov/productfinder/product/certified-light-fixtures/results>

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Proposed Lighting System - Pre-Installation Requirements

1. Review eligibility requirements.
2. Complete the lighting or lighting controls incentive worksheet as described below.
3. Fill out a separate line for each unique combination of proposed Product Code, lighting type and hours of operation.
4. Fill out a separate line for each lighting control product including control description, quantity of fixtures controlled, number of watts controlled, and hours of reduction for each device proposed, Refer to Table A-1.
5. Hours of operation are the estimated annual hours that the particular fixture(s) actually operate. Try to be as specific and accurate as possible. Note: Fixture operating hours are not necessarily the same as the facility operating hours.
6. Add the Lighting Total and the Control Total in the Grand Total box. The Incentive Total boxes cannot exceed the total equipment costs.

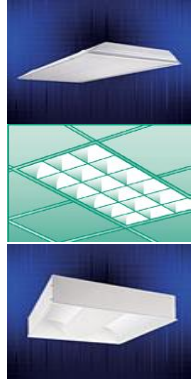
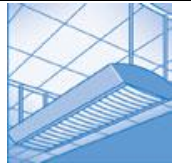
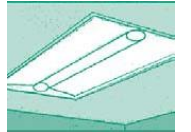
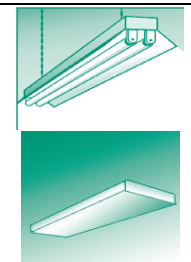
Post-Installation

Utility Representative must verify that:


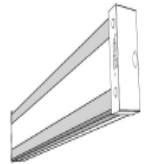
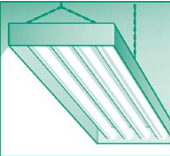
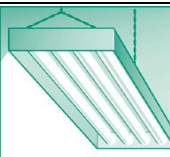

1. The new energy efficient lighting fixtures, systems and controls types have been installed and are energized.
2. The lighting fixtures, systems and controls match the manufacturer's information represented on the incentive application. If the lighting fixtures, systems and controls have changed from what was approved for the initial incentive offer, the substituted equipment specifications must be submitted and reviewed by the utility to verify compliance with technical requirements and approved before an incentive is considered.
3. Proof of Purchase has been submitted. This includes invoice(s) indicating the fixture manufacturer, model, , fixture quantities, costs, purchase date, and vendor of the efficient equipment. Other forms of payment such as AIA Certificates of Payment may also be acceptable.
4. The Utility Representative & Customer have signed & dated the post installation inspection block on the incentive form.

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Table A: Lighting Systems Incentives

Product Code	Product Description	Per Fixture Incentive	Eligibility Criteria	
20L	<u>LED</u> High Efficiency Interior Fixtures	\$50	1x4, 2x2 and 2x4 Prismatic, Parabolic, Recessed Direct and Recessed Indirect fixtures Fixtures are required to be listed by Design Lights Consortium (for more information see www.designlights.org)	
21L	<u>LED</u> Linear Indirect or Indirect/Direct Pendant Fixtures	\$65	Fixtures may have a Down-Light component of no greater than 45%. Fixtures with a Down-Light component must incorporate glare limiting louvers or a perforated cover shielding the lamps. Ceiling finish must be white and unobstructed. Fixtures are required to be listed by Design Lights Consortium (for more information see www.designlights.org)	
22L	<u>LED</u> Advanced Recessed Fixtures	\$50	Fixtures are required to be listed by Design Lights Consortium (for more information see www.designlights.org)	
30L	<u>LED</u> Industrial/Commercial Fixtures	\$50	4 ft. and 8ft. Fixtures LED industrial/commercial strip or wrap fixtures. Applies to fixtures installed 16 feet or less above the floor. Only one incentive may be counted per fixture. Fixtures are required to be listed by Design Lights Consortium (for more information see www.designlights.org)	





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Product Code	Product Description	Per Fixture Incentive	Eligibility Criteria	
31L	<p><u>LED</u> Clean Room Rated or Vapor Tight Fixtures</p>	\$65	<p>1x4 or 2x4</p> <p>Fixtures are required to be listed by Design Lights Consortium (for more information see www.designlights.org)</p>	
32L	<p><u>LED</u> Stairwell Fixture with integral Occupancy sensor controls</p>	\$65	<p>To be eligible for incentives, fixtures must be installed in an 8,760 hour stairwell application with integral occupancy sensor control, setting lights to 50% or less output in control mode (not occupied). Not eligible for additional control incentive.</p> <p>Fixtures are required to be listed by Design Lights Consortium (for more information see www.designlights.org)</p>	
40L	<p><u>LED</u> High and Low Bay High Intensity Fixtures</p>	\$100	<p>Wattage range is 35 watts to 149 watts. Recommended mounting height is > 16 feet above the floor.</p> <p>Fixtures are required to be listed by Design Lights Consortium (for more information see www.designlights.org)</p>	
41L	<p><u>LED</u> High and Low Bay High Intensity Fixtures</p>	\$150	<p>Minimum Wattage is 150 watts. Recommended mounting height is > 16 feet above the floor.</p> <p>Fixtures are required to be listed by Design Lights Consortium (for more information see www.designlights.org)</p>	
50L	<p><u>LED</u> Down Light Fixtures</p>	\$20	<p>Eligible LED Down Lights are required to be less than 25 watts and hardwired or GU-24 (pin) base. Screw Base LED Down Light <u>Retrofit Kits</u> are also eligible. <u>Replacement lamps not eligible.</u></p> <p>Fixtures are required to be listed by Design Lights Consortium (for more information see www.designlights.org)</p>	

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Product Code	Product Description	Per Fixture Incentive	Eligibility Criteria	
51L	<p style="text-align: center;"><u>LED</u></p> <p>Hardwired Track Heads or Mono-Point Directional Fixtures</p>	\$20	<p>LED track heads hardwired installations only, <u>replacement lamps not eligible.</u></p> <p>Fixtures are required to be listed by Design Lights Consortium (for more information see www.designlights.org).</p>	
60L	<p style="text-align: center;"><u>LED</u></p> <p>Cooler , Freezer, or Refrigerated 3' & 4' Fixture</p>	\$30	<p>Fixtures are required to be listed by Design Lights Consortium (for more information see www.designlights.org)</p>	
61L	<p style="text-align: center;"><u>LED</u></p> <p>Cooler , Freezer, or Refrigerated 5' & 6' Fixture</p>	\$45	<p>Fixtures are required to be listed by Design Lights Consortium (for more information see www.designlights.org)</p>	
70L	<p style="text-align: center;"><u>LED</u></p> <p>Low Bay Fixtures Garage & Canopy</p>	\$50	<p>LED Low Bay for Garages and Canopies 25-99 watts.</p> <p>Fixtures are required to be listed by Design Lights Consortium (for more information see www.designlights.org).</p>	
71L	<p style="text-align: center;"><u>LED</u></p> <p>Low Bay Fixtures Garage & Canopy</p>	\$75	<p>LED Low Bay for Garages and Canopies greater than 99 watts.</p> <p>Fixtures are required to be listed by Design Lights Consortium (for more information see www.designlights.org).</p>	

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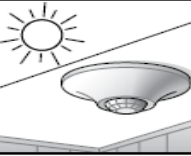

Product Code	Product Description	Per Fixture Incentive	Eligibility Criteria	
80L	<p><u>LED</u> Exterior Wall, Post, Ground, and Arm Mount Floods and Fixtures</p>	\$50	<p>Must be automatically controlled to avoid daylight operation. Wattage range is 25 watts to 99 watts Fixtures are required to be listed by Design Lights Consortium (for more information see www.designlights.org).</p>	
81L	<p><u>LED</u> Exterior Wall, Post, Ground, and Arm Mount Floods and Fixtures</p>	\$75	<p>Must be automatically controlled to avoid daylight operation. Minimum wattage is 100 watts Fixtures are required to be listed by Design Lights Consortium (for more information see www.designlights.org).</p>	
90L	<p><u>LED</u> Pole Mounted Parking, or Roadway Fixtures</p>	\$100	<p>Must be automatically controlled to avoid daylight operation. Wattage range is 45 watts to 149 watts. Fixtures are required to be listed by Design Lights Consortium (for more information see www.designlights.org).</p>	
91L	<p><u>LED</u> Pole Mounted Parking, or Roadway Fixtures</p>	\$150	<p>Must be automatically controlled to avoid daylight operation. Minimum Wattage is 150 watts. Fixtures are required to be listed by Design Lights Consortium (for more information see www.designlights.org).</p>	
99L	<p>LED New Fixtures</p>	\$15	<p>LED fixture categories not covered under other codes. Fixtures are required to be listed by Design Lights Consortium or ENERGY STAR. (for more information see www.designlights.org). Linear LED Tubes (T8 style) <u>not</u> eligible for code 99L</p>	

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Please note that only one incentive control strategy will be approved per fixture/area.



Table A-1: Lighting Control Incentives

Product Code	Product Description	Incentive	Eligibility Criteria	Min Controlled Wattage	
1	Remote Mounted Occupancy Sensor	\$50 per control	Only for customers under 5000 sq-ft. Comply with manufacturer's coverage recommendations. No manual "ON" overrides.	90 (total)	
2	Wall mounted Occupancy/Vacancy Sensors	\$20 per control	Only for customers under 5000 sq-ft. Occupancy Sensors must operate as Automatic On, and Automatic Off or Manual On and Off. Sensors are wall mounted devices only. Not recommended in multi stall restrooms, locker rooms, stairwells or rooms of greater than 250 square feet.	45 (total)	
3	Daylight Dimming System and/or Occupancy Controlled Step-Dimming System	\$20 per fixture	Only for customers under 5000 sq-ft. Daylight: Must have continuous dimming or adjust to a minimum of 4 levels. Step-Dimming: LED's must be automatically controlled based on occupancy. Power consumption in low mode must not exceed 60%.	45 (per fixture)	 
4	Integral High Bay Fixture Occupancy Control Systems	\$20 per fixture	Only for customers under 5000 sq-ft. LED's must be automatically controlled based on occupancy. Systems with manual "ON" or override switches are not eligible. Occupancy sensors are integral (built into) or permanently attached to each fixture.	45 (per fixture)	