

Eugene Water & Electric Board Commercial Lighting Requirements 2017



The following requirements apply when EWEB pays incentives or rebates for savings. Customers are responsible for any necessary permits needed for their application and proper disposal of all removed equipment.

PART I: LIGHTING PROJECTS

1. Existing Building Lighting Retrofit:
 - A. Light fixtures retrofitted or replaced with more efficient systems. A fixture retrofit uses the existing housing to accommodate new lamps and ballasts in the same or different configurations.
2. New Construction and Major Renovation Lighting:
 - A. All new construction and spaces that are being extensively remodeled where more than 50% of the existing fixtures are replaced and are required to meet the Oregon Energy Code requirements.

PART II: ACCEPTABLE PRODUCTS

2. LED Luminaries:
 - A. Luminaries and components shall be Underwriters Laboratory (UL) or CSA listed or classified.
 - B. Must be listed on ENERGY STAR Certified Light Fixtures or Design Lights Consortium Qualified Products List
3. Screw-in LED Lamps:
 - A. Must be on the [Energy Star qualified LED light bulbs list](#)
4. Occupancy Sensors and Electronic Timers:
 - A. Occupancy sensors shall be U.L. listed or CSA classified.
 - B. Occupancy sensors shall be provided with manual sensitivity adjustment and an adjustable or fixed-time delay during which controlled luminaries remain on after the space is vacated. Fixed-time delays shall be at least 30 seconds and no more than 20 minutes.
 - C. Occupancy sensors shall be provided with a minimum 3-year manufacturer warranty.
 - D. Electronic timers shall be capable of automatic shut-off of lights in unoccupied space. Time range shall be adjustable for 5 minutes to 12 hours.
 - E. Electronic timers shall have a visual warning when automatic shut-off is imminent when controlling interior lighting.
 - F. Outdoor lighting shall be automatically controlled by both time clock and photocell or by astronomic time clock. Timers shall be capable of automatic adjustment for seven days and shall have back-up capabilities to prevent the loss of the device's program and time setting for at least 10 hours if the power is interrupted.
5. Exit Lighting:
 - A. All new exit sign fixtures shall be LED type.
6. LED Lighting:
 - A. Luminaries must be on a current LED lighting products list

LED Fixture Lists

[Energy Star Certified Light Fixture List](#)
[DesignLights Consortium Qualified Products List](#)

- B. Must have lighting facts labeling on product packaging

PART III: INSTALLATION—All Fixture Types

1. In retrofit lighting applications, fixtures, and fixture lens shall be clean and all dirt and dust removed by vacuuming, wiping, or brushing. Wash with a suitable cleansing agent and dry.
2. When installing new fixtures, visible labels are to be removed and blemishes touched up. Fixture and lamps shall be clean.
3. Delamped fixtures shall have the ballast and lamp holder wire leads cut. Ballast and unused sockets must be removed from the fixture and the ballast cover labeled "delamped."
4. Ballasts removed from a fixture must have the power leads cut at the ballast so that they are permanently disabled.
5. PCB ballasts and fluorescent lamps must be disposed of in accordance with local, state, and federal regulations.
6. All fixtures removed must be dismantled and recycled or disposed of, unless they are to be retrofitted and relocated within the project space.
7. EWEB shall be notified when the work will be performed. **EWEB reserves the right to inspect fixtures for program compliance before, during, and at the time of substantial completion.**
8. Contractor shall provide materials and labor warranty for one year from date of installation, including 5-year fluorescent ballast manufacturer replacement warranty.

PART IV: DISPOSAL – LAMPS AND BALLASTS

1. All lamps and ballasts must be disposed of in accordance with applicable federal, state and local waste disposal regulations.
2. Submit [Lighting Waste Disposal Form](#) at project completion.

PART V: EWEB INCENTIVE AND REBATE ELIGIBILITY

1. Products not funded under our program:
 - A. All fluorescent lamps, ballasts, and fixtures
 - B. Incandescent lamps
 - C. Low Voltage incandescent lamps
 - D. Halogen lamps
 - E. HID high intensity discharge lamps and fixtures
 - F. LED exit sign retrofit kits
 - G. Compact Fluorescent
2. Other conditions where funding is not allowed:
 - A. Delamping as a sole method of achieving energy efficiency.
 - B. Site-Based (non-rebate) projects that are not PRE-approved by EWEB. (Projects that do not have a signed Energy Savings Purchase Agreement.)
3. Funding calculated based on electric savings shall be limited as follows:
 - A. Rebates are limited to 70% of contracted cost as documented on invoice or receipts.
 - B. Retrofit site-based project funding is limited to 50% of contracted cost.
 - C. New construction funding is limited to the **incremental** cost of the installed system where the cost is greater than a system that meets Oregon energy code or standard construction practice.

