



Eugene Water & Electric Board Energy Smart Design – New Construction 2012 Commercial Lighting Catalog

The Energy Smart Design Lighting program offers building developers, designers, and contractors a streamlined approach to encourage the design and installation of energy efficient lighting systems in new commercial buildings and major renovation projects. All projects require preapproval.

This catalog is intended to be a supplement to the [Energy Smart Design New Construction Worksheet](#). Rebate items included in this catalog are for products not required by the current Oregon Energy Efficiency Specialty Code.

INTERIOR LIGHTING CONTROLS

Upgrade manual switched lighting with occupancy sensors in areas of infrequent use and where they are not required by code. Occupancy sensors can be passive infrared, ultrasonic, or dual technology. Rebate amounts are based on the wattage of the controlled lighting load. The Oregon Energy Code requires occupancy sensors in classrooms and lecture halls, conference, meeting and training rooms, employee lunch and break rooms, copy and print rooms, dressing, fitting and locker rooms, restrooms, and office spaces up to 300 square feet. These areas are not eligible for rebates.



EWEB Code	Code Baseline	Installed Equipment	Rebate	Typical Annual Savings
LN280	Manual Switch/no control	Occ. Sensor: < 300W controlled load	\$30	\$7
LN290	Manual Switch/no control	Occ. Sensor: > 300W controlled load	\$65	\$14
LN010	Single Level Lighting	Multi-level Lighting Control < 300W controlled load	\$30	\$14
LN020	Single Level Lighting	Multi-level Lighting Control > 300W controlled load	\$65	\$75

EXTERIOR LIGHTING CONTROLS

Add astronomical time switch control capability to de-energize exterior lighting. Astronomical time switches must have the capability for separate programs for each day of the week and maintain programming during power outages. Rebate amounts are based on wattages of the lighting load controlled. Typical programming would turn off exterior lights from 11:30 pm to 5:30 am nightly.



EWEB Code	Code Baseline	Installed Equipment	Rebate	Typical Annual Savings
LN310	Exterior Photocell	Photocell on w/ Astronomical Time Switch 300W to 1250W	\$100	\$65
LN320	Exterior Photocell	Photocell on w/ Astronomical Time Switch over 1250W controlled	\$200	\$125



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EFFICIENT TASK LIGHTING

This rebate applies to fluorescent lighting used for medical, dental and other applications that are exempt from the lighting power allowances of the Oregon Energy Code.

Upgrade fluorescent fixtures equipped with standard T8 lamps and ballasts with high efficiency low ballast factor ballasts and high lumen 32 Watt lamps. System wattages must not exceed maximum wattages listed below. New lamps and electronic ballasts must be listed on CEE commercial lighting products list see www.cee1.org. Manufacturer's model number for high performance lamps and ballasts must be listed on the back of the application form and the project invoice, or product specification sheets must be submitted with the rebate form.



EWEB Code	Code Baseline	Installed Equipment	Rebate	Typical Annual Savings
LN170	F32T8 with 1 lamp	High Performance T8 System less than 26 Watts	\$4	\$1
LN180	F32T8 with 2 lamp	High Performance T8 System less than 50 Watts	\$8	\$3