

# Eugene Water & Electric Board

## Commercial New Construction Guidelines

### 2017

**When an Energy Savings Purchase Agreement (ESPA) is signed, the specific requirements for an EWEB incentive are finalized for the period of the ESPA.**

#### Determination of Savings:

- Savings are based on third party modeled savings using hourly simulation software (such as eQuest or Energy Plus) using the Oregon energy code as the baseline.
- For some small projects, engineering calculations may substitute for hourly simulation. See New Construction Lighting section for lighting projects without significant interactive effects with other measures.

#### New Construction Lighting:

- Lighting shall be Design Lights Consortium (DLC) Listed or Energy Star LED Lighting
- Lighting shall have dimming drivers or full dimming capability (higher incentive for full dimming capability)
- Savings shall be determined based on the Lighting Power Allowance (i.e. total watts allowed by applicable lighting code) and the projects Proposed Lighting Power (total watts of the project).
- Savings from lighting must achieve at least a 20% reduction from Lighting Power Allowance.

#### Incentives:

- Incentives subject to a 50% of Incremental Measure Cost (IMC) cap
- For whole building models, if IMC is not available, EWEB may calculate IMC based on a percent of the whole building cost
- Projects with over 200,000 kWh in savings may receive a fraction of the total estimated incentive upon project completion and the remaining incentive after the model is calibrated (exact terms will be written in the ESPA)
- To be eligible for incentive, project must have a benefit to cost ratio (as defined by BPA) of greater than one

#### Measurement and Verification (M&V) for all projects consist of:

- Pre-project signed ESPA
- Post-project Inspection
- Review of invoices and labor costs
- Written certification of measure completion by business owner/stakeholder

#### Additional M&V for non-lighting projects with over 200,000 kWh of annual savings:

- The determination of actual energy and monetary savings will follow current best practice, as defined in IPMVP Volume I, EVO 10000 -1:2012. The M&V Plan shall adhere to IPMVP Volume I, EVO 10000 - 1:2012 following IPMVP Option D and be approved by Energy Management Staff of EWEB.
- Lighting projects without significant interaction with other measures are exempt from the additional level of M&V, see New Construction Lighting section below for determination of savings.

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