



LIGHTING THE WAY TO SAVINGS

CURBING ENERGY COSTS THROUGH ENERGY EFFICIENCY AND SUSTAINABILITY

Oregon facilities large and small are cutting operating expenses, and saving energy with lighting retrofits. Energy Trust of Oregon can help with cash incentives that offset some of the installation costs of energy-efficient upgrades while adding savings back to the bottom line.

Rose Garden Arena lights the way

Energy savings and resource conservation are a top priority for the Rose Garden Arena. Operating on 100 percent renewable energy programs, the 785,000-square-foot complex recently completed a lighting project in the marshalling and loading dock area. Lighting is essential for safety in this part of the facility, and with operations running 24/7 the costs add up quickly—making the decision for upgrades a slam dunk for facility managers. “This year, over 150 events will load in and out of this area—when you add maintenance and deliveries it is in use 365 days a year,” said Scott Sisson, executive director of facility operations.

The Rose Garden Arena upgraded the lighting system and reduced the number of fixtures by more than 25 percent, while improving safety and lighting quality. For additional savings, they installed occupancy sensors to power down lights during times of inactivity and reduce energy consumption by up to 50 percent.



Sustainability is a huge deal for us at the Rose Garden Arena. We were really surprised to find that the payback for the lighting project would be less than 18 months with Energy Trust incentives—this made the decision simple for us.



Scott Sisson,
executive director of facility operations
Rose Garden Arena

PROJECT BENEFITS

- Reduced energy costs
- Lowered maintenance expenses
- Better light quality
- Improved safety

EQUIPMENT INSTALLED

- 211 High output T8 and T5 fluorescent fixtures
- 211 Fixture mount lighting controls

FINANCIAL ANALYSIS

- Project cost: \$73,554
- \$33,642 cash incentive from Energy Trust
- Applied for Business Energy Tax Credit from Oregon Department of Energy
- \$28,675 estimated annual energy cost savings
- 416,423 estimated annual kilowatt hours energy savings



Saving energy with a flick of the switch

Large facilities aren't the only ones reaping the rewards of lighting retrofits. With a recent lighting upgrade in the Public Works building and in City Hall, the City of Wood Village expects to cut lighting consumption by approximately 56 percent.

New, high-efficiency T8 and T5 fluorescent fixtures are creating a lighter and brighter environment for employees. The City also upgraded inefficient exit signs to LED exit signs and replaced incandescent bulbs with compact fluorescent light bulbs. "Since our upgrade, employees have appreciated the cleaner, healthier light. The new lights turn on instantly so there is no more flickering or waiting," said Preston Polasek, assistant to the city administrator.

The lighting improvements cost \$12,076 and qualified for \$3,548 in cash incentives from Energy Trust. The project is expected to save the city up to 23,653 kWh of electricity each year and eliminate up to nine tons of carbon dioxide emissions.



To light your way to savings, contact Energy Trust at **1.866.368.7878** or visit **www.energytrust.org**.

PROJECT BENEFITS

- Reduced energy consumption
- Lowered energy costs
- More comfortable work environment

EQUIPMENT INSTALLED

- 53 High-performance T8 lamps
- 13 T5 lamp fixtures
- 4 One-piece screw-in CFLs
- 3 LED exit signs

FINANCIAL ANALYSIS

- Project cost: \$12,076
- \$3,548 cash incentive from Energy Trust
- \$3,683 Business Energy Tax Credit pass-through from Oregon Department of Energy
- \$1,794 estimated annual energy cost savings
- 23,653 estimated annual kWh energy savings