



STEWARDSHIP YIELDS SAVINGS

ENERGY EFFICIENCY REDUCES COSTS AND HELPS THE ENVIRONMENT

Across Oregon, congregations are making their facilities more energy efficient with Energy Trust of Oregon cash incentives. For some, energy efficiency is part of a broader commitment to stewardship, while for others, it's a key strategy for reducing operating costs. And because energy-saving upgrades improve comfort, they create a better environment for member and community activities.

Worship in a better light

When Deb Marinos looked at the old fluorescent lighting at First Christian Church in Silverton, she saw an annoying flicker and wasted energy. Besides being inefficient, the lights were often left on when the spaces weren't occupied. As a church member and volunteer, Marinos realized that the church could save money and improve light quality with a lighting upgrade.



We were very happy to receive Energy Trust incentives to help us replace our old lighting and add controls. The new light quality is much more pleasing, and people love the fact that lights come on. I'm happy that they're not left on.

Deb Marinos, member and volunteer
First Christian Church



PROJECT SNAPSHOTS

First Christian Church Silverton

- Energy-efficient lighting and controls
- \$5,660 project cost
 - \$2,830 Energy Trust incentive
 - \$1,368 estimated annual energy cost savings
 - 20,118 estimated annual kWh savings

Grace Presbyterian Church Milton-Freewater

- High-efficiency condensing boiler
- \$5,202 project cost
 - \$1,140 Energy Trust incentive
 - \$299 estimated annual energy cost savings
 - 249 estimated annual therm savings

Astoria Christian Church Astoria

- High-efficiency condensing boiler (includes zone control and new piping)
- \$18,539 project cost
 - \$1,240 Energy Trust incentive
 - \$325 estimated annual energy cost savings
 - 271 estimated annual therm savings

Westminster Presbyterian Church Eugene

- Attic insulation
- \$1,800 project cost
 - \$792 Energy Trust incentive
 - \$834 estimated annual energy cost savings
 - 695 estimated annual therm savings

In 2008, the church invested in high-efficiency T8 fluorescent lighting, compact fluorescent lighting and occupancy controls in the office, staff areas and pre-school. Old incandescent exit signs were also upgraded with energy-saving LED models. A \$2,830 Energy Trust incentive covered 50 percent of the project cost. Marinos is so pleased with the project that she hopes to work toward a heating system upgrade soon.

High-efficiency comfort

Churches in Astoria and Milton-Freewater, Oregon, are among those that have chosen high-efficiency gas condensing boilers to replace old, inefficient boiler systems. Because condensing boilers are designed to recover heat that is wasted in conventional systems, they can reach efficiencies of up to 98 percent.

Astoria Christian Church opted to replace its 50-year-old oil-fired boiler and remove asbestos from the boiler room. The new gas condensing boiler, which is 93 percent efficient, delivers affordable, reliable heat for the congregation. Grace Presbyterian Church in Milton-Freewater is seeing steady energy cost savings thanks to the high-efficiency boiler that replaced the original boiler, which was just 50 percent efficient.

Grace Presbyterian and Astoria Christian Church each received approximately \$1,200 in Energy Trust cash incentives to help offset the cost of their new high-efficiency boiler systems.

Adding up the savings

Eugene's Westminster Presbyterian Church has been tackling energy-saving projects one by one to save money and reduce its environmental impact. The congregation started by installing energy-efficient lighting throughout the building and later installed a high-efficiency gas heating system. The latest projects, completed in 2008, were attic insulation and improved roof ventilation.

The \$1,800 insulation project qualified for a \$792 Energy Trust incentive, approximately 44 percent of the project cost. The insulation trims the church's heating and cooling costs by approximately \$834 a year and makes the space much more comfortable year-round.

INVEST IN STEWARDSHIP

To learn more, call us at 1.866.368.7878 or visit www.energytrust.org/business.



Our main motivation for replacing our old boiler was to be good stewards. Cost savings and reliable heating are a bonus.



**Alex Rainey, member and volunteer
Astoria Christian Church**