

Building Efficiency:

Ichabod's Lighting Retrofit

CASE STUDY

New lights lower electric bill, look great

When Jim Patterson, the owner of Ichabod's Restaurant in Scappoose, decided to use the PUD's lighting retrofit program to upgrade the lighting in the restaurant's kitchen and dining room, he had no idea how much it would improve the quality of light in the restaurant.

The lighting retrofit involved changing out T12 linear fluorescent lights for higher quality T8 fluorescent lights. New electronic ballasts that are more energy efficient, cooler, and quieter replaced old magnetic ballasts. About 70 incandescent bulbs were replaced with quality compact fluorescent lights.



Ichabod's Restaurant, located along Highway 30 in downtown Scappoose, serves quality American cuisine from 5:30 a.m. - 9:00 p.m., seven days a week.

Project Summary

Measure Cost	\$4,250
PUD Rebate	\$(1,635)
Oregon Tax Credit	<u>\$ (1,488)</u>
Net Cost	\$ 1,127
Annual Energy Cost Savings	\$ 1,800
Simple Payback	< 1 year

Patterson is very pleased with the results of the project. "From the very beginning this project made sense to me. I expected the upgrade to lower my energy costs by \$1,800 per year but the higher quality of light has been a surprise."

The retrofit process was fairly easy. Tim Lammers from the PUD helped Jim understand the program. Jim's contractor, Midway Electric Company, installed quality products that met the PUD's specifications. The PUD provided a cash rebate and assistance with applying for the Oregon Business Energy Tax Credit. The PUD also arranged for 6% financing of the project through St. Helens Community Federal Credit Union. The result has been cost savings and better lighting.

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