



ENERGY EFFICIENCY CENTER

MISSION

Promote energy and resource efficiency in Industrial, Agricultural, Commercial, Institutional, and Residential sectors by:



Graduating students with professional skill sets and a solid background in energy and resource efficiency.



Directly influencing end resource users to adopt efficient technologies and practices by providing in-depth energy reports based on facility audits



Building a publicly shared library of analysis tools, references, guides, educational materials, and training plans related to energy and resource efficiency

SERVICES

The Oregon State University Energy Efficiency Center (OSU EEC) offers full scope energy and efficiency assessments to industry, often at no cost.

Services offered by the OSU EEC include:

- Grant-Specific Assessments
- Custom Technology Monitoring
- Contract Projects
- Energy End Use Studies
- Combustion Systems Assessments
- Irrigation and Pumping Efficiency Assessments

RECORD OF SUCCESS

Number of Assessments Completed

730

Average Payback on Implementation

1.4 years

Average Implemented Cost Savings

\$17,000/year

Average Recommended Cost Savings

\$36,501/year

Total Recommended Energy Savings

1,449,948 MMBtu—enough to power 7,014 homes for a year

PROGRAM BENEFITS



Students

The EEC gives students the opportunity to jump-start their engineering careers

- Gain hands-on experience collecting data on audits, making recommendations and preparing reports
- Build professional relationships with local industry
- Understand key industrial operations, systems, and processes
- Receive in-depth energy efficiency training from faculty and student mentors



Participating University Faculty

- Build professional relationships with local industry
- Attract and retain top undergraduate and graduate engineering students



Industry

Facilities who receive an assessment and implement recommended changes:

- Improve process efficiency
- Reduce energy costs and waste, average savings are \$17,000 annually
- Demonstrate their commitment to sustainability



US Taxpayers

- Enhanced energy security
- Environmental benefits from decreased energy and resource use
- More efficient and competitive facilities in all sectors, improving national economy
- Produce highly trained efficiency professionals

PARTNERS AND CONTRIBUTORS:

Oregon Department of Energy

US Department of Energy

Bonneville Power Administration

Oregon BEST

US Environmental Protection Agency

Portland Development Commission

US Department of Agriculture



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