NWEEI
THE NORTHWEST WATER AND ENERGY EDUCATION INSTITUTE

LANECC DOWNTOWN CAMPUS
ONLINE TRAINING

Lane Community College℠
ACHIEVING DREAMS

ATTENTION:
BUILDING OPERATORS, FACILITY MANAGERS, RESOURCE CONSERVATION MANAGERS, AND ENERGY-RELATED STAFF.

Learn how to shed those expensive kWhs and therms in 8 flex-weeks!

(without breaking a summer sweat)

Course Begins June 22nd, 2015

A Collaborative Online Training Utilizing Interactive Learning and Realtime Screensharing

Energy Accounting / Building Re-Tuning

Participants will apply advanced energy calculations and building re-tuning processes to identify and quantify savings in your facility.

Advanced Utility Consumption Analysis: Energy Use Index (EUI) calculations, load factors, rolling averages, weather normalization, benchmarking, and adjusting baselines for multiple-type buildings.

Gather Basic Building Information: Take a guided walk through your building to identify general operating schedules and equipment performance.

Trending and Datalogging: For large buildings, establish trends to track equipment operating parameters. For small buildings, install portable dataloggers to monitor equipment and building operation.

Identify Opportunities: Combined with the data trends from your facility, identify low-cost energy saving strategies, many of which can be implemented with simple control system changes.

Measurement & Verification: Monitor equipment to ensure persistence of improvements and cost savings.

Low Cost Energy Savings Examples Include:
1. HVAC Scheduling & Setpoints
2. Excessive Ventilation Air
3. Mixed Air Temperature Reset
4. Discharge Air Temperature Reset
5. Variable Air Volume Fan not Varying
6. Boiler Efficiency Discussion
7. Hot Water Consumption Savings
8. Lighting Controls

Have a Question?

Call Bruce Alford at (541) 463-6177 or email alfordr@lanecc.edu

Sign up by Wednesday, June 17th

HOW TO REGISTER

Email Bruce Alford at alfordr@lanecc.edu

Within the email, put your name and best way to contact you. NWEEI will assist you with registering as a LaneCC student.

COSTS

This is a 3-credit class offered through Lane Community College. Expect to pay around **$294** in tuition.

(As of 2015, LaneCC charges $98/credit in-state= OR, WA, ID, CA, NV) **plus** college fees (~$20/credit).

Re-Tuning Example

One 5-hp fan motor running continuously at 3kw will save 15,900 kwh annually if the operating hours can be reduced to 66 hours per week (typical office schedule). This opportunity amounts to a savings of **$1,200 per year!**

The Northwest Water & Energy Education Institute at Lane Community College
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