

FAN SYSTEM ASSESSMENT TOOL (FSAT)

December 2, 2014

7:30 am until 4:30 pm

**La Quinta Inn
Sawtooth South Room
539 Pole Line Rd
Twin Falls, ID 83301**

Registration Fee: \$139

0.7 Continuing Education Units through Washington State University may be made available for this training

Class size is limited to 25 attendees

Key Learning Objectives

- Calculate the cost of operating fans in your facility
- Understand the interaction between the fan curve and the system curve
- Learn to use the FSAT tool and results to analyze the optimization potential of fan systems
- Integrate continuous energy improvement (CEI) into the management of fan systems by creating an action plan to improve fan system efficiency and reliability

Who Should Attend

- Operation supervisors and managers
- Plant/process engineers
- Industrial maintenance personnel
- Efficiency organizations and utility staff

Agenda

7:30 Registration (breakfast provided)

8:00 Morning Session

- Introduction
- Benefits of fan system optimization
- The costs of fan operation
- Fan and system curve interaction
- Fan system efficiency

11:30 Lunch (provided)

12:30 Afternoon Session

- Identifying optimization opportunities
- Fan System Assessment Tool inputs

2:00 Break

2:15 Afternoon Session Continued

- Fan System Assessment Tool outputs
- Fan System Assessment Tool logging functions
- Fan System Assessment Tool action plan

4:15 Summary and Evaluation

4:30 Adjourn

This software will be demonstrated in class:

http://www1.eere.energy.gov/manufacturing/tech_assistance/software_fsat.html

Course Description: Developed to highlight the benefits of fan system optimization, this training discusses performance and practical issues, as well as introduces the Fan System Assessment Tool (FSAT). You will learn how the software functions, what data is required, what to do when measured data is not available, and how to interpret the assessment results. After completing this course, you will understand how to use FSAT to actively determine the best configuration for your fan system in order to achieve optimal energy and cost savings.

Instructor: William C. Hunter, P.E., holds a Bachelor of Science degree from the US Merchant Marine Academy, a licensed 3rd Assistant Engineer by the United States Coast Guard, and is a registered professional engineer in the State of Washington. Bill is the owner of AirClean Technologies, Inc., an engineering and equipment supply company that helps industrial plants increase profitability by making more effective use of their fan and plant systems. Bill has over 20 years of experience in designing, analyzing, specifying, and optimizing industrial energy systems. A highly rated professional trainer, Bill presents seminars throughout the world on behalf of utilities, governments, non-profit and for-profit corporations.

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This training is provided through the Department of Energy. For more information:

<http://www1.eere.energy.gov/industry/bestpractices/training.html>

The Northwest Regional Industrial Training project is coordinated and funded by the Northwest Energy Efficiency Alliance (NEEA), a private non-profit organization funded by Northwest utilities, the Energy Trust of Oregon, and Bonneville Power Administration. NEEA and its stakeholders subsidize up to 85% of the cost to attendees, which means the cost listed on the front of this brochure is significantly less than the average price in the marketplace. NEEA works in collaboration with its stakeholders and strategic market partners to accelerate the sustained market adoption of energy-efficient products, technologies, and practices. NEEA's market transformation efforts address energy efficiency in homes, businesses, and industry.

How to Register

Registration deadline is November 18, 2014

Register online:

www.regonline.com/149neea-industrialtraining

Or phone, fax, email, or mail the registration form below to:

Phone: 888-720-6823

Fax: 503-525-4800

Email: industrial-training@industrial.neea.org

NEEA Industrial Training c/o Ecova
309 SW 6th Ave #1000
Portland, OR 97204

Please make checks payable to NEEA Industrial Training c/o Ecova#2300

Questions

Visit <http://neea.org/get-involved/calendar> or contact the training center at 888.720.6823 or industrial-training@industrial.neea.org

Registration Form – Please register me for the **Fan System Assessment** training on **December 2nd**:

First Name _____ Last Name _____ Title _____

Phone/Fax _____

Company Name _____ Utility Provider _____

E-mail Address _____

Address _____

Please indicate special diet needs:

☐ Vegetarian

☐ Other _____

Zip _____ City _____ State _____

Participation approved by: _____
Supervisor name

Supervisor e-mail _____

Payment Options

Please enclose a check with this registration form and mail to the above address.

If paying by purchase order please call 888-720-6823 or fax registration form to 503-525-4800.

Discount Code: _____ Purchase Order: _____

Cancellation Policy: Full refund of registration fee if attendance is cancelled by November 18th; half refund thereafter.