

# Fan Systems Assessment Tool (FSAT)



HOSTED BY CLARK PUBLIC UTILITIES

*March 14, 2019*

Clark Public Utilities  
Education Center  
8600 NE 117th Ave  
Vancouver, WA 98862

**Registration Fee: \$139**

Value of \$750 per person

.7 Continuing Education Units through Washington State University may be available for this training

**Class size is limited to 25 attendees**

## *Key Learning Objectives*

- Understand how energy use impacts the company from top down
- Determine where and how energy is used
- Establish a baseline and set goals
- Obtain tools and skills essential for an energy champion
- Prioritize and fund projects

## *Who Should Attend*

- Maintenance and operational staff
- Facility supervisors, engineers and contractors
- Managers, owners and energy experts
- Consultants and energy efficiency experts
- Utility staff

## *Agenda*

**7:30 Registration** (breakfast provided)

**8:00 Morning Session**

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

**11:30 Lunch** (provided)

**12:00 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**

## 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

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.

## Hosting Sponsor

Clark Public Utilities

## Co-Sponsors

- Bonneville Power Administration
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- Hood River Electric Cooperative
- Lewis County PUD
- Northern Wasco County PUD
- Salem Electric
- Tillamook PUD
- Wasco Electric Cooperative
- WSU Extension Energy

## How to Register

**Deadline is February 28, 2019**

**Register Online:**

[www.regonline.com/203neea-industrialtraining](http://www.regonline.com/203neea-industrialtraining)

**Or phone, email, mail the registration form below to:**

**Phone:** 888-720-6823

**Email:** [industrial-training@industrial.neea.org](mailto:industrial-training@industrial.neea.org)

NEEA Industrial Training c/o CLEARResult  
100 SW Main St, #1500  
Portland, OR 97204

Please make checks payable to NEEA Industrial Training c/o CLEARResult Consulting

## Questions

Visit <http://neea.org/events> or contact the training center at **888.720.6823** or

This training is provided by US Department of Energy. For more information:

<http://www.energy.gov/eere/amo/advanced-manufacturing-office>

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.

**Registration Form on Page 3**

## Register Online

[www.regonline.com/203neea-industrialtraining](http://www.regonline.com/203neea-industrialtraining)

## Registration by Mail

Please register me for the **Fan System Assessment Tool (FSAT)** training on **March 14, 2019**:

First Name	Last Name	Title	Phone
Company Name			Email Address
Electric Provider			
Address			
Please indicate special diet needs:			
<input type="checkbox"/> Vegetarian			
<input type="checkbox"/> Other _____			
City	State	Zip	

## Payment Options

Please mail this registration form with a check to the address on the prior page. If you have a discount code, purchase order number and/or would like an invoice, please indicate so below.

Discount Code: \_\_\_\_\_ Purchase Order: \_\_\_\_\_ Invoice Request: \_\_\_\_\_

**Cancellation Policy:** Full refund of registration fee if attendance is cancelled by deadline date; half refund thereafter.