



Improve the efficiency of your steam system and stretch your energy budget

with the *Steam Systems Assessment* industrial training workshop

Optimize system operations with proven best practices and assessment tools

More efficient equipment operation can cut your energy use—and energy costs—and extend the life of your systems. Join Focus on Energy at this comprehensive, one-day session, brought to you in collaboration with Focus and the U.S. Department of Energy (DOE) Office of Energy Efficiency and Renewable Energy, and get the tools and information you need to run your steam system more efficiently. This course will help you pinpoint and address the specific challenges of your facility's equipment.

The *Steam Systems Assessment* workshop will help you:

- Optimize your boiler's steam-generation efficiency
- Determine the most effective ways to use energy resources—discuss the basics of combined heat and power systems, the potential benefits of steam-system balancing, plus fuel selection and steam-system end-users
- Identify sources of steam loss throughout the distribution system
- Learn how to use various evaluation tools including the Steam System Assessment Tool (SSAT) and 3E-Plus insulation appraisal software

WHO SHOULD ATTEND?

This program is designed for anyone who has steam system responsibilities in an industrial or institutional plant including energy managers, steam-system supervisors, engineers, and operations-level employees.

COURSE OVERVIEW

This day-long session includes presentations and workshops on the following topics:

- **Boiler and steam-system overview**
- **Steam-system scoping tool**—overview and results
- **Steam-generation efficiency**—including definitions and measurements, loss categories, and boiler analysis case studies
- **Resource-utilization effectiveness**—fuel selection and operation of backpressure and condensing turbines
- **Distribution-system management**—steam leaks and traps, insulation, and condensate recovery

Major text for the session:

The Steam System Survey Guide, a technical reference document developed by BestPractices Steam.

Tools used in the workshop:

Steam System Assessment Tool (SSAT) and 3E-Plus insulation appraisal software, plus industry-standard steam opportunity assessment tools developed by BestPractices Steam.



REGISTRATION FEE: \$79

The course fee includes all training materials, plus continental breakfast and lunch.

REGISTER TODAY!

October 13, 2010—Eau Claire (Register by September 25)

Holiday Inn Campus Area
2703 Craig Road, Eau Claire, Wis. 54701

Class Schedule

This workshop will be held from 8:00 a.m.–4:00 p.m.
Continental breakfast and registration begin at 7:30 a.m.
Lunch will also be provided.

ACCOMMODATIONS

If you need overnight accommodations, please contact the Holiday Inn Campus Area directly at 715.835.2211.

THREE EASY WAYS TO REGISTER

- 1. Online:** focusonenergy.com/training
- 2. Mail:** Complete the attached form and mail to:
Focus on Energy, PO Box 170585, Glendale, WI 53217
- 3. Fax:** 608.249.0307

Instructor

Debbie Bloom is a steam-system expert who has provided technical assistance at facilities around the world. She is a principal consultant with the Technical Resource Center and has a 33-year history with the Nalco Company, a leader in water treatment and process improvement. Debbie is past chair of the American Society of Mechanical Engineers (ASME) Committee on Water and Steam in Thermal Systems. She vice-chairs the DOE's BestPractices Steam Steering Committee. Debbie is a DOE-qualified steam specialist and a DOE-certified instructor for steam end-user training.

A Strong Energy Portfolio for a Strong America—Energy efficiency and clean, renewable energy will mean a stronger economy, a cleaner environment, and greater energy independence for America. Working with a wide array of state, community, industry, and university partners, the U.S. DOE's Office of Energy Efficiency and Renewable Energy invests in a diverse portfolio of energy technologies.



U.S. Department of Energy
Energy Efficiency and Renewable Energy
Bringing you a prosperous future where energy is clean, abundant, reliable, and affordable

YES, I want to attend!

Steam Systems Assessment

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Registrant's Name: _____

Title: _____

Company: _____

Address: _____

City: _____

State: _____ ZIP: _____

Phone: _____

Fax: _____

Email: _____

Enclosed is a:

- check
- purchase order
- credit card information

Please make checks payable to Focus on Energy.
If you have questions, contact Focus on Energy at 800.762.7077.

Credit Card Payment: Visa MC AMEX

Card #: _____

Expiration Date: _____

Security Code: _____

Name on Credit Card: _____

Signature: _____

Where did you learn about this course?

- Energy Advisor Email Mailing Web Site Utility
- Other _____

Who is your servicing utility? _____

