Advancing By Degrees Energy Efficiency Training for Industry

Industrial Efficiency Alliance

Advancing Continuous Energy Improvement

Compressed Air Challenge

Level Two: Advanced Management of Compressed Air Systems

Event Information

November 6-7, 2008 7:30 a.m. to 4:30 p.m.

JR Simplot Co. Denali Room 999 Main St Boise, ID 83702

Cost: \$399

Value of \$800.00 per person

Continuing Education Units through Washington State University will be made available for this course.

Prerequisite: Completion of CAC1

Who Should Attend

- Plant Maintenance Managers
- Plant and Consulting Engineers
- Compressed Air Operators and Mechanics
- Compressed Air Vendors Sales Staff and Technicians
- Efficiency Organizations and Utility Staff

Training Benefits

- Identify and attain optimal compressed air system performance
- Easily apply continuous energy improvement (CEI) and the five key elements of successful compressed air management
- Develop and apply a plant-specific compressed air action plan and leak detection program
- Align supply-side to demand-side operations; determine heat-recovery value

Training Highlights

Are your compressed air energy costs under control? Even the smallest compressed air system is a relatively large source of energy consumption and cost. Make your company more profitable with the Compressed Air ChallengeTM, a series of seminars that applies proven techniques to achieve cost-effective solutions. Optimizing your compressed air systems can lead to higher productivity, energy savings, increased product quality and greater efficiency. This advanced training, **Compressed Air Challenge Level Two**, teaches you to develop a system profile and address point-of-use issues, including determining actual air quality requirements and investigating and reducing highest point-of-use pressure requirements.

Instructors

Jeff Yarnall, PE is a licensed mechanical engineer, State of Oregon, with over 25 years experience with compressed air systems, including: system design, applications, installations, troubleshooting, maintenance, controls and energy audits. Jeff has trained over 1,000 technicians, supervisors and engineers, applying his experience gained while performing hundreds of compressed air audits. He is a national Level 1 and Level 2 instructor for the Compressed Air ChallengeTM, a national educational effort to improve air systems efficiency throughout the United States.

Frank Moskowitz has an extensive industrial background with over 35 years experience in plant engineering. Specializing in Compressed Air Systems (oil flooded and oil free), Vacuum Systems, Contaminate and Moisture Removal, System Design, and Energy Management Bachelors' degree. Mechanical engineering and education, including the refrigeration, electrical, plumbing trades. For the past 17 years, Frank has been an associate of Draw Professional Services primarily in the auditing, consulting, training and system design fields. He has published articles in Plant Services Magazine, MRO Today and Energy Matters Magazine. Frank has presented hundreds of seminars throughout the industry.

Co-Sponsoring Organizations











Compressed Air Challenge – Level Two

Registration deadline is October 17, 2008

How to Register

Please phone, fax, e-mail or mail registration to: Taking Measurements What is Happening Here? (Part I) Industrial Efficiency Alliance Developing a System Profile c/o Ecos Consulting What is Happening Here? (Part II) 309 SW 6th Ave., Suite 1000 12:00 Portland, OR 97204 Lunch Air Quality Requirements PHONE: 888-720-6823 High Pressure Applications FAX: 503-525-4800 High Volume, Intermittent Applications E-MAIL: TrainingCenter@industrialefficiencyalliance.org Taking Stock of What You Have **Questions?** Compressed Air System Maintenance 4:30 Summary and Evaluation Visit www.industrialefficiencyalliance.org/training.html or contact the Training Center at 888-720-6823 or **Day Two** TrainingCenter@industrialefficiencyalliance.org 7:30 Introduction About the Industrial Efficiency Alliance **Understanding Controls** The Industrial Efficiency Alliance helps Northwest Aligning Supply with Demand industries control costs and enhance business performance 12:00 Lunch through increased energy efficiency. The Industrial Heat Recovery Efficiency Alliance's training program, Advancing by Putting It All Together Degrees, delivers a full suite of solutions-based courses. Selling the Project to Management 4:30 Summary and Evaluation Registration Form - Please register me for Compressed Air Challenge Level 2 training on November 6th and 7th, 2008 First Name Last Name Title Phone/Fax Company Name Utility Provider E-mail Address Address Please indicate special diet needs ☐ Vegetarian ☐ Other _____ City State Zip

Please enclose a check with this registration form and mail to the above address. If paying by Visa/MC or purchase order please call

☐ I authorize the Industrial Efficiency Alliance to charge my Visa/MasterCard in the amount of _____

E-mail

Card holder name (please print)_____

Address associated with card _____

City ___ State ___ Zip ____

Payment Options:

Expiration date _____/ ____

Authorized Signature ____

Participation approved by: Supervisor name_____

888-720-6823 or fax registration form to 503-525-4800.

Agenda

Introduction

Day One

7:30

^{*} Cancellation Policy; Full refund of registration fees by October 17th. Half refund thereafter