# **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**

September 16-17, 2008 8:00 a.m. to 5:00 p.m.

Sabroso, Inc. Conference Center 730 S Grape St Medford, OR 97501

Cost: \$399

\*Tuition is waived for employees of companies that are Idaho Power electric customers.

Value of \$770.00 per person

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 Challenge<sup>TM</sup>, 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 Challenge<sup>TM</sup>, a national educational effort to improve air systems efficiency throughout the United States.

Joe Ghislain is currently a Manager, Lean Supplier Optimization -PTO-PTI and a 6-Sigma Black Belt in Ford's Lean Supplier Optimization Group. He has had over 20 years in the Automotive Industry and over 26 years experience with O&M of compressed air systems. He has received his B.S.E.E.T. from DeVry Institute of Technology and his M.A. in Business Management and Energy from DePaul University. Joe has served on the Compressed Air Challenge Project Development Committee and is an instructor for both Fundamentals and Advanced Compressed Air System Training.

**Co-Sponsoring Organizations** 











## Compressed Air Challenge – Level Two

Registration deadline is September 9, 2008

Card holder name (please print)

Address associated with card \_\_\_\_\_

City\_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_

**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 Visit www.industrialefficiencyalliance.org/training.html 4:30 Summary and Evaluation or contact the Training Center at 888-720-6823 or TrainingCenter@industrialefficiencyalliance.org **Day Two** 8:00 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 September 16th and 17th, 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 Participation approved by: Supervisor name\_\_\_\_\_ E-mail

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 \$399

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

**Payment Options:** 

Expiration date \_\_\_\_\_/ \_\_\_\_

Authorized Signature \_\_\_\_

**Agenda** 

Introduction-Pacific Power

**Day One** 

8:00

<sup>\*</sup> Cancellation Policy; Full refund of registration fees by September 9th. Half refund thereafter