

Duke Energy invites you to...

Fundamentals of Compressed Air Systems

June 8, 2017 - Cincinnati, OH

Overview

Make your company more profitable by getting smarter about compressed air. Through a series of workshops, the Compressed Air Challenge® helps you evaluate your own systems and apply proven techniques. Workshop participants will be able to achieve higher productivity, reduced downtime, greater energy savings, increased product quality, and greater efficiency. Please join us for our upcoming Fundamentals of Compressed Air Systems Workshop.

Ohio Center for Industrial Energy Efficiency



Instructor

William Scales, P.E.

Bill Scales is the founder and was chief executive officer of Scales Industrial Technologies, Inc. He has been involved with the air compressor industry since 1952 as a mechanic, engineer, author, and consultant. He has made more than 5,000 facility visits during his career, including hundreds of formal compressed air energy and maintenance audits in the U.S., South America, Australia, Europe, and Asia.

He has also been responsible for designing and installing hundreds of compressed air systems throughout the U.S. Bill was selected to represent compressed air consultants for the Compressed Air Challenge® (CAC). He was an original member of the CAC Project Development Committee and the Technical Core Group. He was active in the development and presentation of the Fundamentals of Compressed Air Training to the CAC Board and provided preparatory training for other CAC instructors. Bill is a qualified instructor for both Fundamentals and “Advanced Training for Managing Compressed Air Systems.”

Bill is the author of many publications related to compressed air systems, including:

- Best Practices for Compressed Air Systems (published by CAC)
- Compressor Engineering Data

- Air Compressors and the Compressed Air System
- Air Compressor Energy Audit
- Compressor Lubrication - STLE Handbook
- Assessing Processes for Compressed Air Efficiency

Agenda

8:00 – 8:30 a.m. Registration and Complimentary Breakfast

8:30 - 12:30 Morning Session

- Why care about air?
- Compressed Air Challenge questionnaire
- Pre-workshop assignment
- Study your supply side
- What is supply side?
- Typical components of the supply system: compressors, controls, dryers, traps and drains, and filters
- Understand your demands
- What is the demand side?
- Typical components of demand
- Inappropriate uses of compressed air
- Common leak locations and how to fix them
- Are you on base?
- Baselineing basics and techniques

12:00 - 1:00 p.m. Complimentary Lunch

1:00 - 4:00 p.m. Afternoon Session

- Stay under control
- Controls, part-load efficiency, and storage
- Using controls - pros and cons
- Maintain system efficiency
- Simple, quick cost-cutting measures
- System demand profile
- Get with the plan
- Seven-step action plan
- Personal action plan

Location

**TechSolve
6705 Steger Drive
Cincinnati, OH 45237**

Registration and Additional Information

- Registration is restricted to those companies that have “opted-in” to Duke Energy’s Energy Efficiency Rider Program. Check with your Account Executive for registration information.