

Commercial and Industrial Fundamentals of Compressed Air Training

Nov. 1, 2022

7:30 a.m. to 5 p.m.

Idaho Power CHQ

Class is free for Idaho Power customers.

The class will be held in-person at Idaho Power's CHQ Auditorium. Attendees will receive a parking pass for the day.

This is a one-day introductory course designed to teach facility engineers, operators and maintenance staff how to achieve up to 15–25% cost savings through more effective production and use of compressed air. Participants will learn how to:

- Calculate the energy cost of compressed air in a facility
- Establish a baseline for measuring improvements in compressed air performance and efficiency
- Better control their compressed-air system to improve efficiency, reliability, productivity and profitability
- Identify inappropriate uses of compressed air
- Find and fix leaks
- Establish a leak-prevention program

Key Learning Objectives

- Understand the benefits of improving compressed-air system performance
- Estimate the current cost of compressed air in a facility
- Understand the measurement points for baselining
- Assess quick and simple cost-cutting measures
- Determine the impact of different compressor control types and the pros and cons of each type
- Describe the components on the supply side of the compressed-air system
- Recognize inappropriate uses of compressed air and common leak locations
- Identify steps for proper system operation and maintenance
- Tailor a compressed-air system management action plan

Who should attend?

- Plant operation supervisors and managers
- Plant process and project engineers
- Industrial maintenance personnel
- Efficiency consultants and utility staff
- Anyone desiring more knowledge of compressed air systems

Instructor

Jeff Yarnall has over 40 years experience with compressed air and process vacuum systems, including system design, applications, installation, troubleshooting, maintenance, controls and energy audits. Recently Jeff accepted the post of Northern California branch manager after serving 20 years as the Auditing and Consulting Group manager at Rogers Machinery. This move takes Jeff back to his roots

servicing Northern California. Jeff still conducts investment grade energy studies to reduce energy costs and improve system performance.

Over 1,800 people have attended Jeff's classes on compressor maintenance, system optimization, and the Compressed Air Challenge with excellent reviews. In addition to classroom theory, Jeff uses field experience of over 950 audits to illustrate the practical side of compressed-air systems operations.

Professional and Civic Affiliations

- Registered Professional Engineer, State of Oregon
- Instructor, Level 1 and Level 2, Compressed Air Challenge, US Dept of Energy
- Qualified Air Master+ Software Specialist
- Bonneville Power Administration, Technical Support Pool
- Bonneville Power Administration, Energy Smart Industrial Partners, Technical Support Pool
- Past President, Rotary Club of Tigard
- Past Chairman, Rotary International D5100 Youth Exchange Program
- Treasurer, Professional Engineers of Oregon, Columbia River Chapter

Education

- BS, Environmental Resources Engineering, Humboldt State University, Arcata, CA, 1986

Registration

_____	_____	_____	_____
First Name	Last Name	Title	Phone
_____		_____	
Company Name		Email Address	
_____		_____	
Mailing Address		City, State ZIP	
_____	_____	_____	_____
Vehicle Make	Vehicle Model	License Plate	State

Electrical License Number (if needing CEUs): _____

*Vehicle information is only needed for in-person attendees who would like free parking in Idaho Power lots for the day.

Registration deadline is Friday, Oct. 14.

To register, call 208-388-5099, or email or mail the registration form to training@idahopower.com or Idaho Power c/o Andee Morton 1221 W. Idaho St. Boise, ID 83702

Questions?

Visit idahopower.com/training or contact Idaho Power at 208-388-5099 or training@idahopower.com.