

HVAC System Energy Use & Diagnostics

Best Practices Training

Jan. 30, 2024, 8 a.m. to 4 p.m.

One Capital Center—Falcon Room
(999 W Main St. Boise, ID 83702)

Class is free for Idaho Power customers.

This class will be held in-person at the One Capital Center. It is a one-day, hands-on course focused on using diagnostic tools to identify energy-saving opportunities associated with building HVAC systems, equipment, and controls. Attendees will review common building HVAC systems and use diagnostic tools in actual HVAC systems at the One Capital Center. Savings opportunities will be identified, and simple savings-estimating techniques demonstrated.

Key Learning Objectives

- HVAC Systems and Energy Use
 - Building HVAC systems including heat pumping
 - Central plant equipment
 - Controls
- Diagnostic Tools for HVAC
 - Hands-on use of tools from the Energy Resource Library
 - Dataloggers
- Energy-saving Opportunities
 - Retrofit
 - Re-commissioning
 - Low cost/no cost operations optimization

Who should attend?

- Building operators
- Mechanical and energy engineers and contractors
- Building managers and energy investment decision makers

Agenda

8 a.m. Introduction and objectives
Building HVAC systems
Heat pump technology
Central plant equipment
HVAC controls
Morning Break
10 a.m. Diagnostic teams
On-site HVAC tour
Datalogger/tool installations

Break – Lunch
12:30 p.m. Energy savings via retrofit
System re-commissioning
Controls optimization
Afternoon Break
2:30 p.m. Datalogger retrieval and download
Savings opportunity identification
Simple savings estimating
4 p.m. Questions and adjourn

Instructor

Mike Hatten is the principal mechanical and energy engineer at Solarc Energy Group. Over a 40-year career working primarily with commercial and institutional buildings, he has garnered recognition as an expert energy consultant, creative mechanical system designer, grounded commissioning provider, and inspirational energy educator. He is one of our region's energy efficiency conservation originals, and has worked with Idaho Power since the beginning of our energy efficiency programs. He has a BS in General Engineering and has been a professional mechanical engineer since 1987.



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 attendees who would like free parking in an Idaho Power lot for the day. Please note the One Capital Center is a few blocks walk from Idaho Power Corporate Headquarters, located at 1221 West Idaho Street, Boise.

Registration deadline is Tuesday, Jan. 23.

To register, email, call, or mail registration form to:

Phone: 208-388-5099

Email: training@idahopower.com

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.