

Building Officials Guide to Inspecting Air & Ground Source Heat Pumps

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Understand and recognize the importance of properly designed and installed geothermal systems in the residential sector.



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Geothermal, a clean, renewable energy source, is gaining in popularity among home and business owners. Through geothermal heat pumps (GHP) or ground source heat pumps (GSHP) that harness this energy, are building officials ready to inspect this equipment?

In this course, Building Officials will become familiar with operations and processes when inspecting air and ground source heat pumps. Participants will learn how earlier versions of heat pumps operated. This will lead into a discussion of what makes modern system functionality more efficient in northern climates.

Eligible for 5 BOABC CPD Points

Course Schedule

October 17th & 18th from
8:30 a.m. to Noon (PDT)

Who could benefit from this course?

Plans Examiners
Building Officials

Course Fee

\$280 + GST / Person
Limited to 30 spaces

To Register

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Contact BOABC

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Member Services
Coordinator
604-270-9516
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National and Provincial Building Codes will be referenced, as well as, an assortment of textbooks and instructional texts related to the history and operation of heat pumps.

Building Officials taking this course will walk away with:

- A step-by-step procedure for inspecting air and ground source heat pump equipment during a home / business inspection, including reviewing full inspection report documentation.
- Understand the context and verbiage of geothermal HVAC systems
- Become familiar with the primary functions of the earth loop/exchanger, and understand how it serves the HVAC equipment
- Identify the components needed to properly construct a basic operational geothermal HVAC system
- Identify the importance, adaptability, and benefits of the technology as an important contribution to Canada's greenhouse gas emissions reduction goals and building construction efforts
- Become familiar with the variations of earth loop systems and relevant standards for each
- Understand the content, verbiage, and intent of ANSI/CSA C448 Series-16 manual, "Design and installation of ground source heat pump systems for commercial and residential buildings."

About the Instructor: After serving in the US Navy nuclear power field, Jay Egg began a career in mechanical design engineering & contracting in 1990, and founded EggGeothermal in Florida to provide HVAC solutions to the public. Jay Egg is an author, expert consultant, speaker, and instructor specializing in renewable energy specifically for geothermal energy utility efforts and solar/geothermal exchange implementation.

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