

**American Ground Water Trust
Geothermal Heating and Cooling Innovations**

When: May 7, 2014

Where: Red Lion –Sea-Tac Airport
18220 International Blvd
Seattle, WA 98188

Cost: \$195 General Registration

Continuing Education Credit (CEC) for the courses that comprise this event have been assigned as follows:

- **“Resource Sustainability and Geothermal Heating and Cooling Concepts”, thirty (30) minutes.** The instructor is Garret Graaskamp, PG, AI, Hydrogeologist, American Ground Water Trust. **One-half (0.5) CEC.**
- **“Status of the Geothermal Industry” forty (40) minutes.** The instructor is Ted Clutter, Manager Outreach and Member Services, Geothermal Exchange Organization, Washington DC. **One-half (0.5) CEC.**
- **“Utility and Alternative Financing of Geothermal Installations” forty (40) minutes.** The instructor is David Neale, VP Marketing and Business Development, EnergyWise Partners LLC. **One-half (0.5) CEC.**
- **“Net-Zero Design Principles” forty (40) minutes.** The instructor is Paul Bony, Director of Residential Market Development, ClimateMaster, Montrose CO. **One-half (0.5) CEC.**
- **“More than a Hole in the Ground” - Drilling Techniques – Logistics and Grout, forty (40) minutes.** The instructor is Kirby Donald, Baroid IDP, Castle Rock, WA. **One-half (0.5) CEC.**
- **“GHP HVAC Design with variable Frequency Drive Compressor Geothermal Heat Pumps – Special Considerations, thirty (30) minutes.** The instructor is Mike Springer, Texas Territory Sales Manager, WaterFurnace International, Southlake, TX. **One-half (0.5) CEC.**
- **“Geothermal System Optimization Using Computer –Aided Design, forty (40) minutes.** The instructor is Dan Bernstein, President, GAIA Geothermal, Mountain View, CA. **One-half (0.5) CEC.**
- **“Remediation of a Closed Loop Geothermal Field Using Open Loop Methods, forty (40) minutes.** The instructor is Jay Egg, CMC, President, Egg Geothermal, Tampa, FL. **One-half (0.5) CEC.**
- **“Designing Ground Loop HVAC Systems – Pump Energy Optimization Using Variable Frequency Drives, forty (40) minutes.** The instructor is Trey Austin III, PE, CGD, President/CEO, Research Engineer, Geo-Energy Services, LLC, Centennial, CO. **One-half (0.5) CEC.**
- **“Successful Integration of Geothermal Heat Pump HVAC Systems into Commercial Design-Build Projects, forty (40) minutes.** The instructor is Trey Austin III, PE, CDG, President/Ceo, Research Engineer, Geo-Energy Services, LLC, Centennial, CO. **One –half (0.5) CEC.**
- **“The Good the Bad and the Ugly – What We Have Learned From 40 Years of GHEX-HVAC Projects?” forty (40) minutes.** The instructor is John Geyer, CGD, President, John Geyer & Associates, Inc., Vancouver, WA. **One-half (0.5) CEC.**