

IGSHPA Drillers Training Course PLUS* Schedule

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Tuesday, November 16, 2010

7:30 am Continental Breakfast (provided)
8:00 am **Welcome** – A Preview of This Course
8:45 am **Lesson 1** - Introduction and Overview
10:00 am Break (provided)
10:15 am **Lesson 1** – Introduction and Overview (continued)
10:45 am **Lesson 2** - Economics, Marketing, and the new Federal Tax Credits
12:00 pm Lunch (provided)
1:00 pm **Lesson 3** - Soil and Rock Identification and Thermal Conductivity
2:15 pm **Lesson 4** - Selecting, Sizing, and Designing the Heat Pump System
3:00 pm Break (provided)
3:15 am **Lesson 4** – Selecting, Sizing, and Designing the Heat Pump System (continued)
3:45 pm **Lesson 5** – Designing the Vertical Ground Heat Exchanger
5:00 pm End of day one

Wednesday, November 17, 2010

7:30 am Continental Breakfast (provided)
8:00 am **Lesson 5** – Designing the Vertical Ground Heat Exchanger (continued)
10:00 am Break (provided)
10:15 am **Lesson 5** – Designing the Vertical Ground Heat Exchanger (continued)
10:30 am **Lesson 6** - Installation of the Ground Heat Exchanger
12:00 pm Lunch (provided)
1:00 pm **Lesson 6** - Installation of the Ground Heat Exchanger (continued)
1:30 pm **Lesson 7** - Grouting Procedures for Vertical Boreholes
3:00 pm Break (provided)
3:15 pm **Hands-On Pipe Fusion Training**
5:00 pm End of Day two

Thursday, November 18, 2010

7:30 am Continental Breakfast (provided)
8:00 am **Lesson 7** - Grouting Procedures for Vertical Boreholes (continued)
8:30 am **Lesson 8** - Interior Piping Design and Circulator Pump Selection
9:00 am **Lesson 9** - Flushing and Purging the System
9:30 am **Lesson 10** - Heat Pump System Startup and Checkout
10:00 am Break (provided)
10:15 am **Lesson 11** - GeoExchange Drilling Project Costing and Bidding
11:15 am ***PLUS Lessons** - Bonus lessons beyond the IGSHPA course content
12:00 pm Lunch (provided)
1:00 pm ***PLUS Lessons** - Bonus lessons beyond the IGSHPA course content
2:15 pm **Review Session**
2:45 pm Break (provided)
3:00 pm **IGSHPA Open Book Exam** - (2 hours)
5:00 pm End of exam period