

# IGSHPA Drillers Training Course PLUS\* Schedule

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Waterville, Maine Holiday Inn

## Monday, April 5, 2010

7:30 am Continental Breakfast (provided)  
8:00 am **Welcome** – A Preview of This Course  
8:15 am **Lesson 1** - Introduction and Overview  
10:00 am Break (provided)  
10:15 am **Lesson 2** - Economics, Marketing, and the new Federal Tax Credits  
11:15 am **Lesson 3** - Soil and Rock Identification and Thermal Conductivity  
12:00 pm Lunch (provided)  
1:00 pm **Lesson 4** - Selecting, Sizing, and Designing the Heat Pump System  
3:00 pm Break (provided)  
3:15 pm **Lesson 5** Designing the Vertical Ground Heat Exchanger  
5:00 pm End of day one

## Tuesday, April 6, 2010

7:30 am Continental Breakfast (provided)  
8:00 am **Lesson 6** - Installation of the Ground Heat Exchanger  
10:00 am Break (provided)  
10:15 am **Lesson 7** - Grouting Procedures for Vertical Boreholes  
12:00 pm Lunch (provided)  
1:00 pm **Lesson 8** - Interior Piping Design and Circulator Pump Selection  
1:30 pm **Lesson 9** - Flushing and Purging the System  
2:30 pm **Lesson 10** - Heat Pump System Startup and Checkout  
3:00 pm Break (provided)  
3:15 pm **Hands-On Pipe Fusion Training**  
5:00 pm End of Day two

## Wednesday, April 7, 2010

7:30 am Continental Breakfast (provided)  
8:00 pm **Lesson 11** - GeoExchange Drilling Project Costing and Bidding  
9:00 am **\*PLUS Lessons** - Bonus lessons beyond the IGSHPA course content  
10:00 am Break (provided)  
10:15 am **\*PLUS Lessons** - Bonus lessons continued  
12:00 pm Lunch (provided)  
1:00 pm **\*PLUS Lessons** - Bonus lessons continued  
2:15 pm **Review Session**  
2:45 pm Break (provided)  
3:00 pm **IGSHPA Open Book Exam** - (2 hours)  
5:00 pm End of test period