

## **LORENTZ Accredited Solar Water Pumping Systems**

**When:** March 19-20, 2013  
9:00 am to 4:00 pm

**Where:** Day One: Classroom Instruction  
McMenamins  
30340 SW Boones Ferry Rd  
Wilsonville, OR  
Day Two: Hands-on Instruction  
Mitchell Lewis & Staver  
9925 SW Commerce Cir  
Wilsonville, OR

**Cost:** Free

**Sponsor:** Mitchell Lewis & Staver

**Contact:** RSVP by email to [wbichsel@mitchellewis.com](mailto:wbichsel@mitchellewis.com) or call Wally Bichsel at 503 682-1800.

**Additional Information:** Lunch and beverages included. Seating is limited. Please contact Wally Bichsel to reserve your place.

Topics Include:

- Solar Energy Basics
- Solar Configuration & Wiring
- Pump System Components
- Pump System Sizing
- Pump System Design
- Battery System Design
- Set-up & Installation
- Pump System Operation
- Troubleshooting
- Hands-on: Assembly & Testing

This course has been approved by the Well Constructor Continuing Education Committee for seven (7) continuing education credits (CECs).