



Geothermal Heat Pump Workshop
March 17-18, 2008
Redwood Area Community Center
901 Cook Street
Redwood Falls, MN 56283

Western Area Power Administration (Western) and the US DOE's GeoPowering the West Initiative, are the hosts for this workshop sponsored by the American Public Power Association (APPA), the National Rural Electric Cooperative Association (NRECA), and the Utility Geothermal Working Group (UGWG). The workshop's major supporters include Free Source Energies and Redwood Community Development Corporation.

The workshop is patterned after the very successful event held in Bismarck, ND in September. A similar workshop will be conducted in Sioux Falls, SD March 20-21. For more information on the Sioux Falls meeting, contact Guy Nelson, UGWG team leader, energyguy@utilityforum.com.

On the first day, attendees will learn how to use Western's new GHP Handbook and accompanying diagnostic tools to determine the benefits and costs of GHP programs from the utility and customer perspectives. They will glean knowledge from utilities that have developed and implemented the programs. They will also learn the latest developments in equipment, drilling, and delivery services.

Registration fees are \$ 50 for one day and \$ 75 for two days. The second day is an optional workshop that goes into greater detail on GHP applications and economics. The fee covers workshop materials, meals, and refreshments. The agenda and hotel information is below. Continuing Education credits are available.

AGENDA

March 17

- 9:00 Registration
- 9:30 Opening Remarks: Mike Radecki, Western; Mike Pehosh, NRECA
- 10:00 Preview of Day Two: Guy Nelson, UGWG Team Leader
- 10:15 GHP and Community Development: Julie Rath, Redwood Area Dev. Corp.
- 11:00 Break
- 11:15 Case Histories: Bill Zaske, Free Source Energies

- 12:15 Luncheon Presentation: Georg Schultz, USDA – Rural Utility Service
- 1:30 GHP Analytical Tools: Katherine Johnson, Market Development Group
- 2:15 Breakout Sessions (Residential, Commercial, and Utility Business Cases)
- 3:15 Break
- 3:30 Breakout Session Debrief and Field Trip
- 5:30 Adjourn

March 18 (Optional)

7:30 am Continental Breakfast
8:00 "A Tale of Two Buildings" side by side building energy use is compared, one using GHP and the other using conventional HVAC.
8:30 Additional Guidebook and Worksheet Training Using Utility Data
10:00 Break
10:15 GHP Technologies in Waste Heat Recovery Applications
10:45 Product and Services Panel
Noon Adjourn

Registration

March 17 Workshop ___ @ \$ 50 per person _____
March 18 Workshop ___ @ \$ 25 per person _____

Total _____

Name _____ Organization and Title _____

Address, State, and Zip _____

Phone _____ Fax _____ email _____

Make checks payable to Free Source Energies and mail to

Free Source Energies – GHP Workshop
PO Box 122
Redwood Falls, MN 56283

Hotel Accommodations: Free Source Energies has arranged for a block of rooms

Redwood Valley Lodge (One Block from the Community Center)
Room Block Name: "Free Source Energy Sponsored GHP Workshop" \$56/nite + tax
1382 E. Bridge Street
Redwood Falls, MN 56283
(507) 644-5700
reservations@redwoodvalleylodge.com

Questions, including opportunities to sponsor? Contact Guy Nelson, Utility Geothermal Working Group (541) 994-4670 energyguy@utilityforum.com