

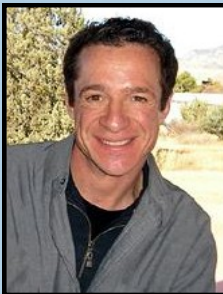
Solar Hot Water Design & Installation Workshop

Presented by the Southern Arizona Solar Standards Board

Join solar hot water design expert Peter Biondo for a six-hour, in-depth workshop. In this workshop, emphasis will be applied to design and sizing strategies for solar applications, how to spot common design errors and what to look for in good design. Installation guidelines will include a step-by-step planning guide for quality assurance installation standards. Expand your competitive knowledge of high quality, high performance, long-lasting systems.

Solar thermal topics include:

- Residential and commercial hot water systems
- Closed loop and drain-back systems
- Flat plate and evacuated tube collectors
- Collector mounting systems
- Thermal solar storage tanks
- Controls and operation sequences
- Heat exchangers, and pumps



Peter Biondo is the Technical Sales Coordinator at Oventrop Corporation. He specializes in design and technical support for solar hot water systems for commercial applications. In November 2011, his largest system sold to date was commissioned at the University of Wyoming, Laramie, comprising 6,400 square feet of collector area dedicated to space heating and DHW. He is an instructor at Solar Energy International, and is a contributing writer for *Plumbing Engineer* magazine.

Sponsored by:



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A UniSource Energy Company

When:	February 3, 2012
Where:	UniSource Energy's Corporate Headquarters Room 255, 88 E. Broadway Tucson, AZ 85701
Schedule:	8:00am - 8:45am Registration 9:00am - 12:00pm Morning Session 12:00am-1:00pm Break 1:00pm - 4:00pm Afternoon Session

Refreshments will be served

Free to SASSB members, \$25 for non-members

Please RSVP by January 31 to jmcginnis@pagnet.org

Note: Due to security, walk-in registration will not be available