



Hands-on Installation – Solar Hot Water System at SolWest Fair an energy education workshop sponsored by EORenew July 24, 2009

Workshop Description: In classroom and hands-on sessions, students will install the solar hot water system that heats the showers for SolWest Fair. The system consists of a 56 square foot collector, a 120-gallon solar storage tank with built in double-wall heat exchanger, and a 30-watt photovoltaic module which powers the 12 volt DC pump that circulates the fluid when the sun is shining on the panel. The classroom session will cover an overview of system types, theory, selection and design of solar hot water systems. The seminar is open to people interested in all aspects of solar hot water.

Instructor: *John Patterson* started Mr. Sun in 1980. Since then he has installed over 2,000 solar water heaters, solar pool heaters and photovoltaic systems, and serviced thousands more. He has extensive thermal systems engineering experience, as well as a thorough knowledge of manufacturing and production processes. He is an expert on all major system types that have been sold over the past 25 years, and also an active voice in state energy policy discussions and advocate for renewable energy awareness. John's goal is to help bring about the global transition to a renewable energy economy by demonstrating practical ways to use solar energy.

Location: Grant County Fairgrounds in John Day, Oregon (map will be provided with confirmation).

Times: Friday 9:00am-1pm

Instruction hours: 4 (includes 4 hours Oregon plumbing Code-related CE)

Course Prerequisites: None.

Required Materials or Tools: Work gloves and plumbing tools optional.

Registration information: Registration is due before July 15th. Cost is \$65. There is a 30% non-refundable registration fee. Check with us to see if this workshop qualifies for plumbing CE hours.

Workshop Registration Form Solar Hot Water System at SolWest Fair July 24, 2009

REGISTRATION:

Name: _____

Business: _____

Address: _____

City, State, Zip: _____

Home Phone: _____ Business Phone: _____

Website: _____ Email: _____

MAIL TO:

EORenew
PO Box 485, Canyon City, OR 97820
info@solwest.org

REGISTRATION FEES:

_____ \$ _____
_____ Individual(s) x \$65 _____
Total Due: _____

Signature of participant: _____ Date: _____

Eastern Oregon Renewable Energies Non-profit Corporation



SolWest/EORenew
PO Box 485
Canyon City, OR 97820

Forwarding service requested

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