



CREC NEWS

VOL 8, NO 6

A Chapter of the American Solar Energy Society

JUNE 2003

Coming June 27-29
The 2003 Colorado
Renewable Energy Conference
Montrose Pavilion, Montrose Colorado



Renewable Energy Now!

**Community Prosperity
through
Self-Sufficiency**

Make your plans now to attend the 6th Annual Renewable Energy Conference (CREC 2003) sponsored by the Colorado Renewable Energy Society. IT IS NOT TOO LATE TO REGISTER. Go to the CREC web site, cres-energy.org or call 303-806-5317 to sign up... and then pay at the door.

Program in Brief

Friday, June 27 -PRE-CONFERENCE WORKSHOPS (see page 2)

7:30 am - 1:30pm	Pre-Conference Workshop Registration
8:30 am - 12 noon	Pre-Conference Workshops - Morning Sessions - <i>check desk for location</i>
12 noon - 1:30 pm	Lunch (on your own)
1:30 pm - 4:30 pm	Pre-Conference Workshops - Afternoon Sessions - <i>check desk for location</i>

Friday, June 27 - CONFERENCE EVENTS

6:00 pm - 9:00 pm	Conference Registration and Merchandise Sales
5:00 pm - 8:00 pm	Dinner (on your own)
8:00 pm - 9:00 pm	Evening Kickoff Session - CREC President, Thom Johnson ; CREC 2003 Chair, Renee Azerbegi ; Guest Speaker, Randy Udall , CORE
9:00pm - 9:30pm	Presentation of Annual Renewable Energy in Buildings Awards - CREC Buildings Committee Chair, Doug Seiter
9:30 pm - 11:00pm	Party/Concert - Contemporary Western Folk Music with Singer-Songwriter Andy Wilkenson <i>(program continued on page 4)</i>

Lodging Arrangements

Lodging arrangements must be made on your own. There is a block of rooms being held especially for conferees at the nearby Holiday Inn Express (970-240-1800). Upon request (303-806-5317), we will send or e-mail you a list of lodging options in Montrose, or you can check the Montrose website at www.montrosechamber.com.

Colorado Snap Shots

This column features meeting announcements, short news items, personality profiles, or other matters of interest to Coloradans.

CALENDAR OF EVENTS

June 13-15... Citizens' Conference on Climate Change and the West. Millennium Hotel, Boulder Colorado. Sponsored by the Green House Network. A non-technical conference addressing the possible effects of climate change upon the West. Registration fees: \$100 before June 1; \$125 after (discounts for families, students and seniors). For further information contact Leslie Glustrom at lglustrom@aol.com or visit www.greenhousenet.org.

June 20-21...Consumer Energy Expo. 1:00pm- 7:00pm on Friday; 9:00am - 3:00pm on Saturday. A number of special exhibits will be displayed and education sessions will be conducted throughout both days at the NREL Visitor's Center (exit 263 on I-70, 2 blocks west of Marriott Hotel). Open and free to the general public. The aim of the Expo is to educate consumers about their options regarding the use of renewable energy and it's value to them. For further information contact Janice Buhr Rooney at 303-275-3859 or janice_rooney@nrel.gov.

July 26-30... 2003 NEED Energy Conference for Educators. The conference provides teachers with the most up-to-date information on all aspects of energy, including the science of energy, sources of energy, consumption, efficiency, and environmental impacts. Conference participants receive instruction and materials to implement innovative hands-on energy units in their classrooms. Denver location to be announced. Registration fee: \$800 (customarily paid by school district sponsors. For more information visit www.need.org or contact Mary Spruill at mspruill@need.org.

RENEWABLE ENERGY IN BUILDINGS AWARDS FOR 2003

...will be announced at the **Friday night plenary session.**

Winners will display and explain their winning entries at the C3 Session at 3:30pm on Saturday.

CREC WORKSHOPS

Friday, June 27, 2003

Full Day Workshops - 8:30am - 4:30pm (1 hour lunch on your own)

1. **BioEnergy** - Presented by experts in bioenergy applications. Aimed at members of the agricultural community, economic development professionals, representatives of government agencies, researchers, and entrepreneurs. Discussion will explore means of accelerating the use of biomass for energy production in Colorado.

2. **Writing Winning Proposals** - Presenter: Bob Bradley, Center for Energy Studies. The discussion will explain the seven keys to successful proposal writing, program sustainability, the similarities and differences between government and foundation proposals, and describe how to locate funding sources via the internet.

3. **PV Home System Designs** - Presenters: Justine Sanchez, Laurie Stone, and Ed Eaton, SEI. Participants will learn photovoltaic system sizing, site analysis, hardware specification, and component selection. Further, the workshop will cover typical applications and case studies, including Utility Interactive and Stand-Alone battery based systems.

Half-day Morning Workshops - 8:30am - noon

4. **Small Wind & Hybrid Systems** - Presenter: Jim Green, NREL. This is a "how to" workshop that aims to equip local landowners with the basics in assessing wind systems and installations, including costs, installation problems and methods, connecting to the grid, and local ordinances.

5. **Natural Building Techniques** - Presenter: Dan Chiras, Sustainable Systems Design, Inc. This workshop will explore the use of natural materials for home building such as strawbale, cob, rammed earth, earthbags, rammed earth tires, and cordwood. Dan Chiras will excerpt much of the material from his celebrated books, *The Natural House* and *The Natural Plaster's Book*.

6. **Energy 10** - Presenter: Judy Fosdick, Tierra Concrete Homes, Inc. Participants will learn the basics of how to use the "Energy 10" program to design energy efficient buildings quickly and accurately. A discount is being offered by the Sustainability Buildings Industry Council for any Energy 10 program purchased in conjunction with the workshop.

Half-Day Afternoon Workshops - 1:00pm - 4:30pm

7. **Fuel Cells & Colorado's Future** - Presenter: To be Announced. This workshop will present case studies of demonstration projects in Colorado and give the status of fuel cell reliability and economics. Special attention will be given to cogeneration potential and capturing the heat generated by fuel cells for useful purposes.

8. **Passive Solar Heating and Cooling** - Presenter: Dan Chiras, Sustainable Systems Design, Inc. This workshop will explore the principles of passive heating and cooling, describe sustainable backup heating and cooling systems, and examine measures to ensure healthy indoor air in airtight homes.

9. **Energy Connections: "Energy Environment, Economics, and Education** - Presenters: Susan Toth, Colorado Energy Science Center and Shawina Crocker, Colorado State Forest Service. Participants will explore many energy concepts and their application to everyday decisions being made by energy consumers. The workshop will focus on two K-12 energy education programs for the classroom.

10. **eQUEST** - Presenter: Sue Reilly, Enermodal Engineering, Inc. The workshop will cover the use of the "eQUEST" program which allows one to perform a detailed analysis of today's state-of-the-art building design technologies using the most sophisticated building use simulation techniques but without requiring extensive experience in building performance modeling.

CRES CORNER

New CRES Subchapters to be Formed... At 2:00pm on Sunday, June 29, 2003 at the CRES Annual Conference in Montrose, two groups of CRES members will gather with the intention of organizing two new CRES subchapters. One group will endeavor to form a Western Slope subchapter to be labeled SW-CRES. Another group, headed by Judy Fosdick of Tierra Concrete Homes, Inc., will try to organize CRES members in the south-eastern part of the state to form the SE-CRES subchapter. All members in those areas are urged to attend the meetings and take part in the organization of these two subchapters. This effort follows on the heel of the recent successful formation of the N-CRES subchapter representing the northern section of the state.

CRES Proposes Joint CRES/ASES Conference in 2006... Under the leadership of Chuck Kutscher and Ron Larson, and with the approval of the CRES Board, a proposal was prepared and submitted to the ASES Board of Directors requesting that Denver, Colorado be considered as the site for its 2006 National Solar Energy Conference. Accordingly, it was proposed that CRES would host the affair. The proposal will be considered at the forthcoming ASES Board meeting to be held at the 2003 ASES Conference, June 21-27.

If our proposal is accepted, the joint conference will likely take the place of our regular CREC event although we could still hold workshops in the days proceeding the Conference. We are also considering holding a public "Renewable Energy Fair" along with the Conference. Although the final site decision will be made by the ASES Board, the most likely location for the event will be the Adams Mark hotel in downtown Denver.

CRES Couple to Wed... Two active CRES members, Samantha McDonald and Daimon Vilppu have announced that they will be wed on August 3, 2003. **Our heartiest congratulations!** Samantha has long been involved as a CRES volunteer and this year is the program chair for CREC 2003. She also is the Administrative Director for CoSEIA and is the owner of her own firm, Spatial Alchemy. Daimon is on the CoSEIA Board of Directors and works for Industrial Solar Technologies.

N-CRES Report... On April 19, N-CRES (Northern Colorado CRES subchapter) was one of a select handful of organizations to staff a hospitality table at the CSU stop on the famed Indigo Girls' *Honor the Earth* tour. The tour is promoting wind energy development on Native American lands. Alison Mason and Janice Arnold represented N-CRES at the event.

On June 7, N-CRES joined with the Fort Collins community in celebrating the *Poudre River* at its annual festival. Volunteers from N-CRES did hands-on solar demonstrations such as baking cookies in a solar cooker and worked with kids to teach them how to build their own solar ovens.

N-CRES also announced that it is planning to once again hold a "Solar Home Tour" in northern Colorado. The date will be October 4, 2003. A committee was formed, chaired by Alison Mason, which will plan and organize the tour. Volunteers are being sought to solicit homes for the tour, help with logistics, aid in marketing and media relations, and generally helping out on the day of the tour.

JOB OPENING - SENIOR ENVIRONMENTAL PLANNER

A top high-end environmental consulting firm is seeking a senior environmental planner for the its Denver, Colorado office. A degree in land use planning, geology, or similar field is required. An ideal candidate will have at least five years experience with environmental and land use planning. Competitive salary and excellent benefits package being offered. Interested parties should call Craig Travis at 916-782-6900, X303 or e-mail ctravis@sequencestaffing.com.

CRES NEWS

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CRES MEETINGS

Unless otherwise noted, CRES meetings will begin at 5:30pm and will be held at the NREL Visitor Center located off the Denver West exit of I-70 just past the Marriott hotel.

June 27-29 - Colorado Renewable Energy Conference (CREC 2003) - See page 1.

July 23 - General Meeting - Guest speaker is Robb Walt of the Community Power Corporation, of Littleton who will speak on the challenges of producing electric power from biomass.

August - There will be no general meeting in August.

CRES "HOTLINE"

Phone: **303-806-5317** (call toll free)
or **1-888-806-5317** (if outside
FAX Metro Denver)

CRES INTERNET NOS.

e-mail: **info@cres-energy.org**

Web Pg: **http://cres-energy.org**

Program in Brief - *continued*

Saturday, June 28

7:00am - 6:00pm

9:00am - 10:30 am

Registration and Conference Merchandise Sales

PLENARY SESSION - *Community Prosperity Through Self-Sufficiency*

Tom Potter, *The New Center for Rural Economic & Energy Development*

Auden Schendler, *Aspen Skiing Company*

Ed Marston, *High Country News*

11:00am - 12:30pm

CONCURRENT SESSIONS

Session A1- *Water Conservation* - Ann Abel, Peter Nelson, Chuck McKnight

Session B1- *Wind Power* - Steve Palomo, Tom Potter

Session C1- *Commercial Buildings* - Renee Azerbegi

Session D1- *Local Policy Panel* - Wes Perrin, Tom Polikalas, Susan LeFever, Janna Six

12:30am - 1:30pm

LUNCH - *on your own*

1:30pm - 3:00pm

CONCURRENT SESSIONS

Session A2 - *Education* - Johnny Weiss, Laurie Stone, Justine Sanchez, Ed Eaton

Session B2 - *Rural Power* - Tom Polikalas, Richard Smart, John Krajewski

Session C2 - *Residential Buildings* - Dan Chiras, Richard Wodehouse

Session D2 - *State Policy Panel* - Susan LeFever, Rick Gilliam, Craig Cox, Matt Baker,
Wes Perrin

3:30pm - 5:00pm

CONCURRENT SESSIONS

Session A3 - *Education* - Susan Toth, Shawna Crocker, Melane Thibodeaux

Session B3 - *Rural Power* - Desiree Pacheco, Jim Welch, Mike Tierney

Session C3 - *Building Awards* - Winners of Commercial & Residential Building Awards

Session D3 - *National Policy* - George Sverdrup, Walter Short, Susan Bilo

5:00pm - 5:30pm

RECEPTION & CASH BAR - Alternative Fuel Vehicle Association

5:30pm - 7:00pm

CONFERENCE BANQUET (additional charge) or dinner on your own

7:00pm - 8:30pm

PLENARY SESSION - *Renewable Energy Now!*

Dan McGuire, *American Corn Growers Association*

Wes Perrin, *San Miguel Power*

Todd Bartholf, *CH2MHILL*

8:30pm - 11:00pm

CRES CELEBRATION PARTY -- Live Entertainment and Dancing

Sunday, June 29

7:00am - 9:00am

8:00am - 11:00am

9:00am - 11:00am

11:00am - 2:00pm

Registration and Conference Merchandise Sales

RENEWABLE ENERGY EXHIBITION - open to all attendees and free to the public

CONFERENCE WRAP-UP SESSION - Discussion of CRES Strategic Plan

SELF-GUIDED TOURS OF LOCAL RENEWABLE ENERGY SITES - Must pre-register - additional charge. Transportation not provided. Guidebook may be obtained at registration desk

noon - 2:00pm

LUNCH - *on your own*

2:00pm - 4:00pm

SW-CRES SUBCHAPTER MEETING - Open to the public

2:00pm - 4:00pm

SE-CRES SUBCHAPTER MEETING - Open to the public

For Further Details or To Register: Visit cres-energy.org or call: 303-806-5317

Colorado Renewable Energy Society
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