



CRES NEWS

Newsletter of the Colorado Renewable Energy Society

VOL. 13 • NO. 2

A Chapter of the American Solar Energy Society

FEB. 2008

CRES 11th ANNUAL MEETING, AWARDS CEREMONY & PARTY

Once again this year CRES members will be getting together for an evening of fun, entertainment and enlightenment, with some business thrown in for good measure. The meeting will feature:

❶ **Social hour with delicious food and Jazz Music:** Enjoy wine and beverages, followed by an elegant light supper accompanied by a background of wonderful jazz music.

❷ **Annual Meeting and Award Ceremony:** A brief review of CRES activities of last year and future plans, plus award presentations.

❸ **Silent Auction:** Bid on a variety of donated items and services See page 3 for details.

❹ **Cool networking opportunities:** Get together in an informal setting to connect up with fellow renewable energy advocates.



plus special guest
PUC Chair, Ron Binz

Saturday, February 23, 2008

at Cableland

**4150 Shangri-La Drive in Denver Hilltop Area
(Denver Mayor's Mansion - see map on page 4)**

6:00pm - 7:00pm

Social Hour with Food, Drink and Jazz Music

7:00pm - 8:15pm

CRES Annual Meeting & Awards

8:15pm - -----

Silent Auction and Closing Social

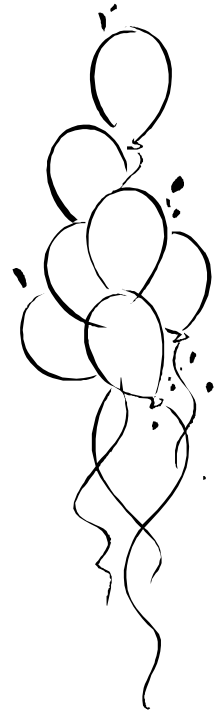
Price: \$50.00 per person

(includes complimentary valet parking - required)

RSVP by no later than February 21

**RSVP and pay online at www.cres-energy.org/joinorder.html
or Call 303-806-5317**

You may also send your RSVP and check to:
P.O. Box 933; Golden, CO 80402



Colorado Calendar

This column will feature dates for meetings and other events relevant to Coloradans interested in renewable energy.

Feb 12... FortZED: Fort Collins Zero Energy District. Presented by the Northern Colorado Renewable Energy Society (NCRES). Describing the progressive program being initiated in Fort Collins to transform university and downtown areas into a net zero energy user area. *Location:* Odell Brewing Co., 800 E. Lincoln, Fort Collins. For more information visit www.ncres.org.

Feb. 13-14... Centralized Solar for Electric Generation. Join solar, renewable energy and generation experts to discuss centralized solar power's future. Covers technology, performance, load matching, transmission and land use challenges in building centralized solar power. *Location:* Grand Hyatt Hotel, Denver. For further details contact EUCI Customer Service at 303-770-8800 or visit www.euci.com.

Feb. 27-29... 2008 3rd Annual Sustainable Opportunities Summit. Explores how companies can financially benefit from being more engaged in climate change matters. Brings together corporate leaders, entrepreneurs and others involved in renewable energy and climate change. *Location:* Sheraton Hotel at I-25 & Hampden in Denver. For further details visit www.sosummit.org/home.

March 6-7... EUCI Course on Bioenergy to Electricity. A two-day course providing in-depth technical and practical information for the capture and conversion of biogas into usable energy. *Location:* St Julien Hotel, Boulder. For further details call 720-406-9696.

March 25-29... 2008 CoSEIA Annual Meeting and Conference and SEI Solar Industry Seminar. *Location:* Marriott Hotel, 350 E. Horsetooth Rd., Ft. Collins. For further details visit www.coseia.org.

Solar Pioneer and First CRES President has Passed Away



On January 16, Dr. Harold "Hub" Hubbard died of complications from a stroke suffered in 2006. Hub, as he was fondly known to all, was the third and longest reining Director of the Solar Energy Research Institute (now called the National Renewable Energy Laboratory). He served from 1981 until 1990. Amongst his many accomplishments during his tenure as head of the lab, perhaps his most distinguished feat was persuading the Reagan administration to keep the institute alive despite strong appeals by several presidential advisers to close it down entirely. Even with the severe budget cuts and layoffs that ensued, Hub managed to keep SERI afloat

and productive throughout the perilous years of the early 80s. Later, he took the laboratory to great heights as one of the most relevant scientific institutions in the country.

In 1986, Hub was elected to the Board of Directors of the Colorado Renewable Energy Society (CRES) and later chosen as the society's first president. In this capacity he was instrumental in bringing local and national recognition to the society as Colorado's leading professional association advocating the widespread advance and adoption of renewable energy. He continued to serve on the CRES Board until 2000 at which time he relocated from Colorado to his old hometown, Kansas City, Missouri.

We all concur with NREL Director, Dan Arvizu, who has said, "Hub has left an enduring legacy at NREL and I know all of you who join me in considering him a true friend will miss him."

GOVERNOR'S EXCELLENCE IN RENEWABLE ENERGY AWARD WINNERS ANNOUNCED

Governor Ritter, in his 2008 State of the State address, announced the winners of his first annual "Governor's Excellence in Renewable Energy Awards." The awards were created in order to recognize individuals, businesses, institutions, and non-profits that are advancing renewable energy in outstanding ways in Colorado. The winners are:

Individual: **Craig Cox** of Interwest Energy Alliance and longtime CRES member. For his tireless advocacy of renewable energy education, policy and regulation.

Small Business: **The Smiley Building.** The Smiley building is a model building for energy efficiency and renewable energy including a rooftop PV system which provides 100% of power to the building.

Large Business: **New Belgium Brewery.** In 1998, the Brewery became totally wind powered. In addition, its facilities incorporate energy efficiency and renewable energy features whenever possible.

Institutions: **Fort Carson.** This army installation set an aggressive 25-year sustainability goal, including sustaining all facility and mobility systems from renewable energy sources. Recently they completed a 2 megawatt onsite solar project.

Non-profits: **The Northeast Denver Housing Center (NDHC).** Among its many other renewable energy applications, in November 2007 NDHC opened the Central Park at Stapleton which has 18 units and 10kW of solar PV.

CRES CORNER

Greetings from your new President....

I am honored to serve as head of CRES for the 2008 year. I pledge to serve your needs and to fulfill the goals of the renewable energy community to the best of my ability throughout the coming year.

First off, let me express my personal grief for the recent loss of our first president, DR. Harold "Hub" Hubbard. While he served in office well before my time with CRES, I am well aware of his stellar background in solar, and the time and effort he put forth for this society in its formative years (see page 2). We will all miss him.

Next, I want to congratulate our newly elected Board members. The two members who have been selected to serve their second terms are Walt Kaesler and Nate Blair. Elected for the first time were Barbara Farhar, Seth Kassels, Bolko von Roedern and Thom Johnson. Also, my special welcome to our newly appointed Treasurer, Richard Garb.

In addition, I wish to thank departing members Lynn Green, Susan Innis, and Pamm McFadden for their exemplary service to the society over the last two years.

Lastly, I urge you all to attend the upcoming Annual Meeting and Party (see page 1). CRES has come a long way since its beginning in 1996. Our membership has grown to well over 800 individual members, with some 34 private solar companies enrolled as "Business Members." This year's annual meeting will celebrate our 12 years in operation and our many accomplishments. It is an opportunity for each of us to socialize with one another, hear of our past and coming projects, and meet Ron Binz, the appointed new chair of the Colorado Public Utility Commission. Join me at this wonderful gathering of CRES members and their friends.

Jeff Scott

Preview of SILENT AUCTION ITEMS

Once again business friends of CRES are donating items that will be auctioned off at the CRES Annual Meeting and Party on February 23. A representative list of items based on last year's donations is as follows. Don't miss your chance to bid on outstanding auction items such as these:

- Roundtrip airline tickets on Frontier and Southwest Airlines
- A Gift bag from the winery of the new PUC chief, Ron Binz
- Tickets for a Nuggets basketball game
- A Patagonia Primo jacket
- An aerial tour of energy developments in Colorado by EcoFlight
- Dinner at top restaurants in the Denver metro area
- Pottery and photographs from CRES artists

To preview pictures and descriptions of auction items, visit www.cres-energy.org/conference/auction.html after February 11. If you wish to contribute an item for auction you may still do so before February 21 by contacting Madalyn at 303-806-5317 or by e-mail at info@cres-energy.org.

CRES NEWS

CRES NEWS, the official publication of the Colorado Renewable Energy Society, is published monthly except once each in the summer and winter.

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NEXT CRES MEETING

Unless otherwise noted, CRES monthly meetings will be held at the Jefferson Unitarian Church, 14350 W. 32nd Ave., Golden. The meetings customarily take place on Thursdays and begin at 5:30pm.

March 20... CRES Monthly Meeting. Faith-Based Perspectives on the Earth, Environment, Global Warming, and a Sustainable Future. Featured speakers will be Rev. Peter Sawtell, Jim Walters, Daniel Ziskin and Iman Kazerooni representing Christian, Jewish, Muslim and other perspectives on the subject.

CRES "HOTLINE"

303-806-5317

CRES INTERNET NOS.

e-mail: info@cres-energy.org

Web: <http://cres-energy.org>

Colorado Renewable Energy Society

P.O. Box 933

Golden, CO 80402

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ROSTER OF CRES BUSINESS MEMBERS

We thank the following organizations for their continuing support.

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|------------------------------------------|--------------------------------------|-------------------------------------|
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| Aztec Radiant Heating, Inc. | Ecofutures Building Inc. | Mountain Muse Communications |
| Balanced Construction | EMC Engineers | Namaste Solar |
| Bergey Windpower Company | Enermodal Engineering | Powur of Citizenre-Rocky Mtn Region |
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| Community Office for Resource Efficiency | Innovative Energy | Western Resource Advocates |
| Cool Energy, Inc. | Jim Logan Architects P.C. | Wonderland Hill Development Co. |
| | Kurowski Development Company | |

Book Review

***The Grid* by Phillip Schewe**

Schewe is a Ph.D particle physicist turned science writer for the American Institute of Physics. The subtitle of the book is: "a journey through the heart of our electrified world". In 10 chapters, Schewe takes us through the history and physics of electricity to the modern electricity grid. After the first chapter about the grid failure of 2003, Schewe goes back to the beginning: Edison and DC. He gives us the physics of electricity generation and the details of distribution and wires, motors and bulbs. He looks at the hydroelectric generation and TVA as essential parts of the expansion of the grid and of the making of the industrial U.S. Two chapters deal with the 1965 blackout which was repeated in 2003 (lessons not learned). The book does not have a separate chapter on renewable energy, but does have several pages in several chapters on both solar and wind as parts of the grid. I would have liked a few more equations and a few diagrams of the equipment and maps of the grid. Schewe writes well and the science and relevance to society come through, including multiple quotes from Michael Faraday, Henry David Thoreau and Lewis Mumford for a historical, technological and social perspective from the 19th century to the present.

Reviewed by CRES Member, Joel Leventhal

Gov. Ritter Names RE Advocate to PUC

On January 15, Governor Bill Ritter announced his nomination of Matt Baker to serve on the Colorado Public Utilities Commission. Matt is currently head of Environmental Colorado. He also served as cochair of the Amendment 37 campaign and was a key speaker at the CRES Conference in Steamboat Springs in 2007. Baker has since been formally confirmed as a member of the commission.

Location of CRES Annual Meeting