



CRES NEWS

Newsletter of the Colorado Renewable Energy Society

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Post-Election Pathways for EE/RE - Next CRES Meeting

CRES Strategic Plan

On July 8, 2006, at the ASES/CRES 2006 National Solar Energy Conference, the CRES Board of Directors adopted and released the following *Strategic Plan* as a blueprint for its operations:

Vision and Mission

The **vision** of the Colorado Renewable Energy Society (CRES) is that Colorado's energy will derive primarily from sustainable, renewable energy resources.

The **mission** is to advance policies that lead to a sustainable energy future for Colorado and heighten awareness of the benefits of renewable energy and energy efficiency.

Objectives

The Colorado Renewable Energy Society supports policies that lead to the further development and adoption of energy efficiency and renewable energy technologies to where they can supply 20% of Colorado's energy needs by 2015, 50% by 2030, and 100% by 2050.

In support of the policy part of its mission, CRES will advocate for Colorado to:

- Establish net metering for small, distributed renewable energy systems statewide.
- Create a systems benefit charge to create a way to finance renewable energy and energy efficiency installations and technology development.
- Enact a tax credit for Colorado homeowners and businesses who install solar power and solar water heating systems.

In support of the awareness part of its mission, CRES will:

- Develop an information clearinghouse and speakers bureau to communicate with Coloradans about the benefits of energy efficiency and renewable energy and the need to transform to an efficient renewable economy.
- Form alliances with a growing number of like-minded organizations.
- Expand CRES membership.

Rationale

Why does CRES believe adoption of a renewable energy and energy efficiency path benefits the state's citizens and businesses? For starters, we should be taking better economic advantage of Colorado's extensive solar and wind resources and intellectual assets. Renewable energy and energy efficiency:

- Protect consumers from price volatility and runaway fossil fuel prices in the short term.
- Generate more local jobs and spending inside Colorado than fossil technologies.

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The next meeting of the Colorado Renewable Energy Society will take place at **5:30pm** on Wednesday **November 15**. It will be held at the **NREL Visitors Center** located a couple of blocks past the Marriott hotel in the Denver West office complex. (Take exit 263 from I-70, or turn north at the Marriott sign on Colfax between Simms and Indiana).

This meeting will feature a panel of Colorado's energy efficiency and renewable energy community leaders who will discuss the topic: "**After the Election: What are the Pathways for Energy Efficiency and Renewable Energy in Colorado in 2007?**" The panelists will provide assessments of opportunities and challenges stemming from the November 7 election. There will be three panelists:

- Matt Baker, Environment Colorado
- Rick Gilliam, Senior Energy Policy Advisor, Western Resource Advocates
- Ron Lehr, Attorney, American Wind Energy Association

The moderator will be Morey Wolfson, MW Energy Solutions

The format for the discussion will be quasi-informal with the panelists first presenting their views individually followed by an interchange of ideas and questions within the group. Audience participation and questions will be encouraged following the panel discussion.

The thrust of the discussion will center on the known energy views as presented by selected winning candidates before the election. The panelists will voice their own personal opinions on all matters under discussion which may or may not agree with the views of the Colorado Renewable Energy Society.

SNAP ° RADS ° SHOTS

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

November 13... *The Sustainable Campus Fair.* Educational outreach event that promotes the use of clean energy, community sustainability, and energy conservation. Hosted by COPRIG (Colorado Public Interest Research Group). *Time: 9:00am - 4:00pm. Location: Downtown Denver Auraria Higher Education Center.* For further information contact Andrew Pattison at 303-709-4968 or andrew.pattison@cudenver.edu.

December 4... *ENERGY STAR Summit.* "Provides optimum training, bringing the best speakers in the building science field to Denver." *Time 7:00am - 4:30pm Location: Hyatt Regency - Denver Tech Center, 7800 E. Tufts, Ave., Denver.* for further information call 303-232-7598 or visit www.e-star.com/events/summit.

December 6... *Second Annual Colorado Harvesting Energy Network Recognition Luncheon.* Features agricultural leaders who are champions of renewable energy and authorities on upcoming policy initiatives. *Time: 11:30am - 2:00pm. Location: Renaissance Denver Hotel, 3801 Quebec St., Denver. Fee: \$30 per person or \$240 for a table of eight.* For further information call 303-283-3524 or e-mail cantwell@workinglandscapes.com.

CALL FOR ASSISTANCE

The Colorado Governor's Office of Energy Management and Conservation (OEMC) is seeking the services of a number of Colorado residents scattered across the state to measure available wind resources on their property. Selected qualified applicants will be loaned an anemometer system to collect wind data for up to one year and will be paid for their services. Applicants must be qualified to install and lower 20-meter, 30-meter, and 50-meter anemometers. For further details, please contact Angela Crooks at 303-866-2309 or e-mail angela.crooks@state.co.us.

CRES Strategic Plan -continued from page 1

- Preserve our natural environment, air quality, and limited water supplies.
- Provide greater energy security over the long term.

Most important of all is the health of the planet itself is in jeopardy from global climate change due to emissions of greenhouse gases from burning fossil fuels. A majority now agree that energy efficiency and renewable energy are a big part of the solution. CRES believes we should start a transition toward a renewable energy economy now in order to minimize environmental and economic disruptions that could result from waiting too long.

How Do We Get There From Here?

Colorado voters passed a milestone in 2004 when they approved Amendment 37 establishing a renewable energy standard for the state's investor owned utilities. Nevertheless, the leadership for a renewable future is just beginning to coalesce in Colorado, and there are opposing trends. For example, there is proposal from the coal industry to construct three large coal-fired generating stations that will lock Coloradans and their children into decades of air pollution, water depletion, carbon dioxide emissions, and potentially stranded investments.

Instead, CRES will pressure electric utilities to increase their commitments to conservation, seek to establish natural gas conservation programs, and place renewable energy and energy efficiency in the forefront of the state's energy policy. Specifically, Colorado should:

- Formulate rate structures through the Colorado Public Utilities Commission that ensure that energy efficiency and renewable energy are profitable for utilities.
- Emulate the experience of neighboring states that have used renewable energy construction projects as economic development tools.
- Learn from and adopt energy efficiency programs that have been successful in other western states.
- Encourage energy independence through distributed generation at homes and businesses.
- Conceive mechanisms to build new transmission capacity for our region's sizeable wind energy resources.

CALL FOR ABSTRACTS AND WORKSHOPS Colorado Renewable Energy Conference 2007

CRES is soliciting proposals for technical sessions and workshops to be held at CREC 2007 which will take place on June 8th, 9th and 10th, 2007 in Steamboat Springs, Colorado. Three technical session tracks are being planned for which there will be some six presentations in each. The track themes will be *Action Policy, Technical, and Economy.*

Individuals interested in presenting a paper are urged to submit an abstract consisting of no more than 250 words to Nate Blair at n8blair@gmail.com by December 20.

We are also welcoming proposals for workshops to be conducted in parallel with the conference sessions. These workshops may be 2 hours, half-day, or even a full day in length. Workshop proposals should also be submitted to Nate Blair at the above address.

CRES CORNER

The CRES Board of Directors has approved a slate of seven candidates for consideration by the membership to fill **four** 2-year term vacancies on the Board effective January 1, 2007. The nominees are as listed in alphabetical order following. Please select **four**, enter your choices on the ballot on page 4, and post it before midnight **December 15, 2006**.

CHARLES COGGESHELL... Charlie is currently pursuing an MBA with a concentration in Environmental Policy at the Daniels School of Business. Prior to that he interned at the Climate Policy Center in 2005 -2006. This followed extensive travel throughout the U.S after his graduation from the University of Vermont in 2001. He states, "I have figured out that my truest values lie in protecting the environment. The area with the most potential for this aspiration is alternative energy. By joining the CRES Board, I will learn from the knowledge and networking of like-minded people. Mutually, CRES will benefit from having student perspective and insight."

CHUCK COURTAD... Chuck is a practicing orthodontist who currently is heavily involved in the start up of a Renewable Energy Demonstration Center along with CRES members, Joe Burdick and John Trefny. Previously he worked with the Directors of the Colorado Alliance for Science, Colorado School of Mines faculty, and the National Association of Partners in Education (NAPE) on science initiatives. In the late 1980s he served on the Golden Planning Commission and a R1 Education committee. He also chaired the first committee to change the surplus Golden Jr. High School into a Science Center. From 1974 until 1977 he chaired the Golden Bicentennial Committee and was heavily involved in the Golden City Council efforts to locate SERI (now NREL) in Golden.

JEFF LYNG..Jeff is a Technical Consultant to the Solar Rewards and Demand Side Management programs at Xcel Energy in Denver. Jeff served as the project manager for the 2005 University of Colorado Solar Decathlon Team. He is the recipient of the 2006 John and Barbara Yellot Award given by ASES and the CoSEIA Mark McCray Award. In November 2005, Jeff testified before the House of Representatives Subcommittee on Energy. Jeff's masters thesis focused on implementation of solar energy in the production home market.

J. THOMAS McKINNON... Tom currently is a professor in the Department of Chemical Engineering at the Colorado School of Mines. He has been working in energy since he began his career at SERI (now NREL) twenty-seven years ago. He moved away from renewables and into the study of combustion after leaving SERI to attend graduate school. After returning to Colorado he continued collaborations with NREL on biomass projects. While combustion chemistry remains his prime technical interest he has developed a keen desire to use his energy expertise to address climate change issues. Recently he has been helping the Boulder Climate Action Plan Campaign, working on a technical document for Western Resource Advocates, and working to convince Xcel to become less coal-centric.

STEVE SARGENT... Steve has worked in the solar energy field since 1963, and has been a member of ASES and ISES since that time. He was a founding member of CRES, and of its predecessor organization, the Denver Solar Energy Association, in 1979. Most of his professional career was with the US Department of Energy, at HQ in Washington and in the Golden Field Office, where he managed renewable energy programs and projects. He has served as a member of the ASES Board, as chair of the Engineering Division, and of several committees, and was the Water Program Chair for the 2005 ASES/ISES conference in Orlando. He was also on the Organizing Committee for the 1991 ASES/ISES conference in Denver. He was the first recipient of the ASES Rebecca Voorhies award for volunteer service to the Society. He designed and built a passive solar home in Golden, which has been featured on several of the Denver Solar Home Tours.

CRES NEWS

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

The official CRES address is:

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CRES MEETINGS

Unless otherwise specified, CRES meetings will be held at 5:30pm in the NREL Visitor Center.

November 15... Monthly Meeting. Panel Discussion on "Policy Pathways for Energy Efficiency and Renewable Energy in Colorado in 2007." See page 1 for details.

December Monthly Meeting... As is customary, there will be NO CRES meeting in December. Also, **there will NOT be a December issue of CRES NEWS.**

CRES "HOTLINE"

303-806-5317

CRES INTERNET NOS.

e-mail: info@cres-energy.org

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

VOTE TODAY

Vote for up to **four** Board members from the nominees listed on pages 3 and 4. Check your choices on the ballot below and send it in an envelope (*with your name clearly shown on the outside*) to: CRES Secretary, Jeff Scott, c/o CRES, P.O. Box 933, Golden, CO 80402. All ballots must be postmarked no later than **December 15, 2006**. **Please do not write your name on the ballot.**

2007 CRES BOARD ELECTION BALLOT

- Charles Coggeshall Chuck Courtad Jeff Lyng Tom McKinnon
- Steve Sargent Charlie Stevens Carol Tombari

Departing Board Members

Renee Azerbegi and **Morey Wolfson** will be leaving office effective December 31, 2006 and have declined or are ineligible to run for another term: The third departing member, **Charlie Stevens**, has completed his first term and is running once again for a second two-year term. Each has served CRES unselfishly for two or more years and have contributed substantially in the guidance and leadership of the organization. For this we owe them our deepest gratitude.

CRES Board Candidates - continued

CHARLIE STEVENS... Charlie is currently a member of the CRES Board and is running for reelection for a second two-year term.. He works as an E-Star certified residential energy rater for Built Wright Inc. He served as the workshop chair for CREC 2004 and cochair for the very successful CREC 2005 Conference that took place in Ft. Collins. He has also volunteered with the Solar Home Tour and is a member of the Sierra Club Energy Committee where he helped create the Energy Hog Girl Scout patch with the Denver Area Girl Scout Council. Mr. Stevens worked for the USEPA in Atlanta Georgia as an emergency responder for oil and hazardous material spills and served in the Peace Corps in Kenya.

CAROL TOMBARI...Carol is the Manager of Stake-

holder Relations at the U.S. Department of Energy's (DOE) National Renewable Energy Laboratory (NREL). She previously was self-employed as president of Mountain Energy Consultation LLC, a small Colorado firm specializing in public policy and programs related to energy efficiency, renewable energy, and the environmental impacts of energy use. In this capacity, Ms. Tombari led three delegations of American State Energy Officials to the People's Republic of China, to discuss public policies that may facilitate the development of renewable energy and energy efficiency. Ms. Tombari has specialized in energy and environmental policy and programs for more than twenty-five years. She was a founder of the National Association of State Energy Officials and was appointed to DOE's State Energy Advisory Board by DOE Secretary Bill Richardson. She also served on the CRES Board in 2002 and 2003.

Colorado Renewable Energy Society

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