



# **Colorado Wind & Distributed Energy: Renewables for Rural Prosperity**

April 8 & 9, 2002 – The Renaissance Denver Hotel

## **AGENDA – APRIL 9<sup>th</sup>**

| <u><b>Time</b></u> | <u><b>Location</b></u>                         |   |
|--------------------|--|---|
| <b>7:00-9:30</b>   | <b>Concourse Ballroom Foyer<br/>(Exhibits)</b> | <b>Registration and Continental Breakfast</b><br>Sponsored by: <i>American Corn Growers Association</i>   |
| <b>7:30-9:00</b>   | <b>Legislative Services Bldg.</b>              | <b>Legislative Briefing</b> (Legislative Services Building, 200 E. 14 <sup>th</sup> Ave. Hearing Room A.)<br><br><u><i>Rural Economic Development through Wind and DE Opportunities.</i></u><br><br>Gary Nakarado, NREL – Distributed Energies Technologies<br>Mike Sloan , Virtus Energy – Wind Technologies<br>Matthew Brown , National Conference of State Legislators – Policies and Incentives important to technology development<br><br>(A bus to the Capitol will leave from the hotel main entrance at 7:00 AM and return from the Capitol at 9:00 AM.)<br><br>Bus service sponsored by: <i>Casino Transport Company</i> |
|                    | <b>The Urban Farm</b>                          | <b>Technology Exhibits</b><br><br>(Exhibits will be open between 7:00A.M. and 5:30P.M. Bus service between the hotel and farm will be provided between the hours of 7:00 A.M. and 9:00 A.M. and again between 3:30 PM and 6:00 PM. Busses will leave from the main entrance of the hotel).<br><br>Bus service sponsored by: <i>RTD; Rocky Mountain Chapter, Sierra Club</i>   |
| <b>9:30-9:45</b>   | <b>Concourse Ballroom A</b>                    | <b>Welcome</b><br><br>Bitsy Broughton – OEMC  |
| <b>9:45-10:45</b>  |  | <b>Keynote</b><br>Speaker: Chris Cook –E3 Energy Services, LLC<br><i>The national perspective on distributed energy technologies and net metering. What works and what doesn't.</i>   |
| <b>10:45-11:00</b> | <b>Concourse Ballroom Foyer<br/>(Exhibits)</b> | <b>Break</b><br>Sponsored by: <i>American Corn Growers Association</i>  |

**11:00-12:00 Kennedy Room**

**Biofuels: The Current Industry and Future Prospects**

*This talk will provide a snapshot of the state of the ethanol industry and where it is expected to go in the near term. The second half of the talk will explore the ongoing research to convert agricultural and forest wastes to transportation fuels and what this could mean for Colorado and the nation.*

Moderator: Ronal Larson  
Speaker: John H. Ashworth, PhD/Team Leader, Biofuels Industrial Partnerships - National Renewable Energy Laboratory

**Concourse Ballroom A**

**Renewable Energy: A New Opportunity for Rural America**

*Federal financing is ready and waiting to fund renewable energy projects through local Rural Electric Coops. This session will highlight Washington's bi-partisan support for this program, and how to access the money for wind, solar, biomass, geothermal and municipal solid waste projects, as well as others.*

Moderator: Craig Cox  
Speaker: Georg Shultz, Chief of the USDA/Rural Utilities Service Energy Forecasting Branch

**Concourse Ballroom B**

**Energy from Anaerobic Digesters: A Case Study in Power Blending**

*This session will provide a case study of the first application in the Americas of a microturbine operating in conjunction with an anaerobic digester.*

Moderator: TBD  
Speaker: Gary Swanson, Colorado Pork LLC

**12:15-1:30 Concourse Ballroom D**

**Lunch**

Sponsored by: *Tri-State Generation and Transmission*

Speaker: Rick Grice, Director, Governor's Office of Energy Management and Conservation  
*Rick will give an overview of what OEMC is doing to support Distributed Energy opportunities for rural Colorado.*

Speaker: Don Ament, Colorado Commissioner of Agriculture  
*Potential Economic Opportunities for Agriculture and Rural Colorado*

Speaker: Sushma Masemore, Southern Research Institute  
*SRI in partnership with EPA conducts environmental verification testing of new technologies. Sushma will discuss the program, as well as testing being conducted at Colorado Pork, LLC.*

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|-----------|--|---|
| 1:45-2:45 | <b>Kennedy Room</b>                        | <b>Anaerobic Digestion – Hope or Hype?</b>  |
|           |  | <i>This session will outline the unfolding story of Portland General Electric’s innovative program to develop a distributed generation resource using anaerobic digesters.</i>  |
|           |  | Moderator: Cathy Iverson<br>Speaker: Jeff Cole, PGE Biogas Program Manager  |
|           | <b>Concourse Ballroom A</b>                | <b>Distributed Generation: The Electric Cooperative Perspective</b>   |
|           |  | <i>The Cooperative Research Network (CRN)—the research arm of the National Rural Electric Cooperative Association—has studied distributed generation (DG) since the late eighties. The objectives have been to identify possible benefits for electric cooperatives from the new technology options and, then, to explore how to incorporate the options into co-op business operations. This presentation will describe CRN projects that are evaluating the state of advanced DG technologies—such as fuel cells, microturbines, and wind systems—and review some of the lessons learned to date.</i> |
|           |  | Moderator: Wes Perrin<br>Speaker: Edward Torrero, Senior Program Manager, Cooperative Research Network  |
|           | <b>Concourse Ballroom B</b>                | <b>Solar Water Pumping as a Business</b>  |
|           |  | <i>Solar water pumping can replace the need to rebuild old distribution lines, as well as prevent the need to install new lines over long distances, to small loads. Come learn about solar water pumping as a sound business decision.</i>   |
|           |  | Moderator: Peggy Plate<br>Speakers: Steve Johnson, Director-Distributed Generation Implementation, ECO<br>Rolland Skinner, General Manager, NW Rural PPD  |
| 2:45-3:00 | <b>Concourse Ballroom Foyer (Exhibits)</b> | <b>Break</b><br>Sponsored by: <i>American Corn Growers Association</i>  |
| 3:00-3:30 | <b>Concourse Ballroom A</b>                | <b>Wrap-up: Next Steps</b><br>A brief discussion of what’s needed to move forward with DE in Colorado. Action required by landowners, utilities and regulators.   |
|           |  | Rick Grice, Director, OEMC<br>Bill Becker, DOE DRO<br>Bitsy Broughton/Steve Palomo (closing and thanks)   |
| 3:30-6:00 | <b>The Urban Farm</b>                      | <b>Technology Exhibits and Demonstrations</b><br>(Bus service between the hotel and farm will be provided 3:30 PM and 6:00 PM. Busses will leave from the main entrance of the hotel)<br>Bus service sponsored by: <i>RTD; Rocky Mountain Chapter, Sierra Club</i>  |