

Colorado Wind and Distributed Energy: Renewables for Rural Prosperity (CWADE)

Tuesday, April 13, 2004

Agenda

- 7:00-7:45 am REGISTRATION & CONTINENTAL BREAKFAST**
Sponsored by Governor's Office of Energy Management and Conservation
Location: **Registration Area outside of Grand Ballroom**
- 7:45-8:30 am WELCOME & OVERVIEW**
Location: **Colorado Springs Ballroom**
Speakers:
Rick Grice, Director, Governor's Office of Energy Management and Conservation
Steve Palomo, DOE Wind Powering America, Denver Region
Lionel Rivera, Mayor, City of Colorado Springs
Phillip H. Tollefson, P.E., CEO, Colorado Springs Utilities
Jim Miller, Colorado Department of Agriculture
- 8:30-8:45 am State of the Wind Industry – National & Local perspective (Dr. Alan Foutz, Colorado Farm Bureau)**
Location: **Colorado Springs Ballroom**
- 8:45-10:15 am KEY PROJECT DEVELOPMENT STEPS - FROM START-TO-FINISH**
Location: **Colorado Springs Ballroom**
Moderator: Joe Lambert, Governor's Office of Energy Management and Conservation
A panel of experts walk attendees through a complete, step-by-step, project development process, from start-to-finish
Project Development Overview (Dale Osborn, DisGen)
Overview of a typical project development process, emerging community markets, and organizational structures
Step 1 **Site Selection / Finding a Market/Buyer (Dale Osborn, DisGen)**
What to look for, measuring wind, proper data gathering, and finding a buyer/market before you invest
Step 2 **Land Agreements / Easements (Lisa Daniels, Windustry; Brad Haight, MFGL)**
Land ownership considerations, pitfalls, guidelines, and legal support
Step 3 **Siting & Permitting (Steve Steinhour, SeaWest Consulting)**
Environmental reviews (critical issues, avian, culture resources) regulatory compliance, and permitting
- 10:15-10:30 am COFFEE BREAK – Sponsored by Holy Cross Energy – Exhibit Hall – Grand Ballroom South**
- 10:30-Noon KEY PROJECT DEVELOPMENT - FROM START TO FINISH (Cont'd)**
Location: **Colorado Springs Ballroom**
Moderator: John Stencel, Rocky Mountain Farmers Union
Step 4 **Interconnection (Tom Wind, Wind Utility Consulting)**
How to interconnect, work with utilities, key technical/operational issues, power quality, system reliability
Step 5 **Economic Modeling / Output Projections (Dan Juhl, DanMar and Assoc.)**
Costs to build and operate, output projections, turbine selection, finance, revenue stream
Step 6 **Power Purchase Agreements / Financing (Mark Safty, Holland & Hart)**
Negotiating a purchase agreement, securing access to capital, source of equity/debt, grants
Step 7 **Construction, Operations, Maintenance (Brent Bergland, Mortenson Construction)**
Step-by-step construction, operations, penalties, warranties, skills, jobs
- 12:00-1:30 pm BANQUET LUNCHEON – Sponsored by Xcel Energy, Inc. – Grand Ballroom North**
Speaker: Congressman Bob Beauprez, Colorado's 7th Congressional District
- 1:30-3:00 pm A1: ECONOMIC DEVELOPMENT BENEFITS / MARKETING COMMUNITY WIND**
Location: **Colorado Springs Ballroom East**
Moderator: Tracee Bentley, Colorado Farm Bureau
Experts will share the latest economic impact revenue to local communities from recent Colorado projects, and discuss opportunities awaiting rural Colorado. Experts will also share successful, replicable MN case study models and advice.
 - **Lamar Wind Farm Economic Impacts & Opportunities for CO (Craig Cox, Colorado Coalition of New Technologies)**
 - **Creating a Community-Based Wind Organization – The MN Model (Jeff Paulson, Jeffrey C. Paulson & Associates)**
A2: SUCCESSFUL CASE STUDIES (Medium Scale)
Location: **Colorado Springs Ballroom West**

Moderator: Wes Perrin, Wind Consultant

- Iowa/Minnesota Farmer Owned Projects (Dan Juhl, DanMar and Assoc.)
- City of Lamar Light & Power Municipal Owned Project (Leon Sparks, Retired from Lamar Light & Power & Rob Sims, SeaWest Consulting)
- Arkansas River Power Authority/Springfield Municipal Owned Project (Evelyn Carpenter, SeaWest Consulting)

3:00-3:30 pm AFTERNOON SODA BREAK – **Sponsored by Holy Cross Energy** – Exhibit Hall – Grand Ballroom South

3:30-4:45 pm **B1: SUCCESSFUL CASE STUDIES (Small Scale)**

Location: **Colorado Springs Ballroom East**

Moderator: Steve Palomo, DOE Wind Powering America

Project owners and developers will provide step-by-step, nut-and-bolts details on recent, successful real life projects, focusing on real issues, real data, and real solutions

- Wray, CO, School Owned Project (Jay Clapper, School Teacher, Wray, CO)
- Iowa School Owned Projects (Tom Wind, Wind Utility Consulting)
- Multiple Farmer owned 10kW Project (Jess Alger, Our Coop)

B2: FINANCING / FARM BILL

Location: **Colorado Springs Ballroom West**

Moderator: Joe Lambert, Governor's Office of Energy Management and Conservation

Experts will share the latest on financing opportunities for local owned project development in Colorado. Topics will include local and outside lenders and USDA Section 9006 Farm Bill solicitation.

- Financing your wind project (Mark Safty, Holland & Hart)
- Securing grants and loans from USDA Section 9006 (Leroy Cruz, USDA)
- Securing grants and loans from USDA Value Added (Leroy Cruz, USDA)

4:45-5:30 pm **NEXT STEPS - TOWN HALL Q&A**

Location: **Colorado Springs Ballroom**

5:30-7:00 pm **RECEPTION – Sponsored by Holland & Hart, and Arcadia HTH**

Location: **Grand Ballroom South**

Speaker: Kyle E. McSlarrow, Deputy Secretary of Energy, U.S. Department of Energy

Award Presentation: "Energy Pioneer Award" by Bill Becker, DOE Denver Regional Office