

MINUTES
BOARD OF DIRECTORS PUBLIC MEETING
WYOMING INFRASTRUCTURE AUTHORITY

November 9, 2010
Little America
Cheyenne, Wyoming

I. Welcoming Remarks and Introductions

Loyd Drain, Executive Director of the Wyoming Infrastructure Authority gave the welcoming remarks and introductions of the WIA Board members and State elected Officials.

II. Roll-call, Establish Quorum

Chairman Mike Easley called the meeting of the WIA Board of Directors to order at 8:45 a.m. November 9, 2010, at Little America in Cheyenne, Wyoming. Other Board members present included J.M. Shafer, Kyle White and Bret Jones.

III. Approve Agenda

Kyle made a motion to approve the agenda. J.M. seconded that motion. The motion was approved by unanimous assent.

IV. Approve Minutes from the October 22, 2010 Board Call

J.M. made a motion to approve the minutes of the March 26, 2010 Board meeting. Kyle seconded that motion. Motion was approved by unanimous assent.

V. Presentations

Technological Advances in Wind Turbine Technology:

Marc Peterson, Western U.S. Sales Executive, GE Energy Power Generation, addressed the Board concerning the latest advances in wind turbine technology with an emphasis on Wyoming Wind. In addition, GE also addressed turbine performance issues at elevation.

See the posted presentation at: <http://wyia.org/newsworthy/nov-9-2010-board-meeting-presentations-cheyenne-wy/>

Composite Conductor Technology for Power Transmission Lines:

Pat Avery, VP Business Development, CTC Cable Corporation, spoke on composite rod technology for use in a "high efficiency conductors" that demonstrates substantial mitigation of line losses when compared with conventional conductors. The higher efficiency ACCC/TW[®] conductor enables power generators to reduce the amount of power generated while still delivering the same power to the customers. The technology has also demonstrated significant savings in upgrade capital costs with less structures and longer ruling spans.

See the posted presentation at: <http://wyia.org/newsworthy/nov-9-2010-board-meeting-presentations-cheyenne-wy/>

NREL's Economic Benefits & Job Creation Study for Wyoming:

The WIA's mission is to diversify and expand the State's economy through improvements in Wyoming's electric transmission infrastructure to facilitate the consumption of Wyoming energy. NREL has been commissioned to conduct a comprehensive study which will further quantify the economic benefit to Wyoming as a result of the development of new power transmission; wind & natural gas-fired generation; and a collector system. Eric Lantz, Policy Analyst, NREL gave a presentation of the current progress being made on the study which we anticipate will be completed by early 2011.

See the posted presentation at: <http://wyia.org/newsworthy/nov-9-2010-board-meeting-presentations-cheyenne-wy/>

Wind Generation Development—Pathfinder Renewable Wind Energy:

*Having been successful in acquiring 2,100 MW of capacity on TransCanada's Zephyr Project, **Bradley Williams, Executive Advisor, Pathfinder**, presented Pathfinder's plans to develop an equal amount of wind energy (including remarks on the collector system and natural gas-fired generation).*

See the posted presentation at: <http://wyia.org/newsworthy/nov-9-2010-board-meeting-presentations-cheyenne-wy/>

Development of natural gas-fired generation in Wyoming to address wind energy's integration issue:

***Richard Lauckhart, Managing Director, Black & Veatch**, provided some additional information on the economics of natural gas-fired generation from a Wyoming perspective given the transmission development that is occurring in the State together with the planned generation facilities to support such development.*

See the posted presentation at: <http://wyia.org/newsworthy/nov-9-2010-board-meeting-presentations-cheyenne-wy/>

***Luncheon Address: Tom Dennis, Executive Vice President, Cassidy & Associates**, discussed the national election results and how such could impact Wyoming's energy resources from D.C. to California; and gave an update on climate change and energy legislation together with developments at the EPA.*

See the posted presentation at: <http://wyia.org/newsworthy/nov-9-2010-board-meeting-presentations-cheyenne-wy/>

Overview of HVDC Transmission Systems

*From development to operation, **Michael Bahrman, HVDC Marketing Manager, ABB Inc.**, provided the Board and our stakeholders with an overview which will include system development; estimated cost; benefits; station design including the requisite footprint for a 3,000 MW converter station facility; and operational issues with special emphasis on wind integration.*

See the posted presentation at: <http://wyia.org/newsworthy/nov-9-2010-board-meeting-presentations-cheyenne-wy/>

Merits of Exporting Wyoming Wind to Colorado:

*A panel was convened to address the various issues facing Wyoming wind in the Colorado market. **Mark Milburn** moderated and participates in the following:*

See the posted presentations at: <http://wyia.org/newsworthy/nov-9-2010-board-meeting-presentations-cheyenne-wy/>

- 1) **Duane Johnson, President, Western Vision Properties, LLC** shared the results of several years of wind data gathered at a site within the footprint of the WCI Project.*
- 2) **Richard Simon, Director, V-Bar, LLC** addressed the wind quality in both Wyoming & Colorado with an objective analysis of wind in the Wheatland/Chugwater area and the area in Colorado where the next 1,000 MW of wind development might be sourced.*
- 3) **Adam Gassaway, LS Power Group** provided an overview of the Wyoming-Colorado Intertie Project; address the submittal of prior proposals which utilized Wyoming wind resources in a previous PSCO solicitation; discuss PSCO's report to the CPUC in 2009; and present Wyoming's position in future solicitations.*
- 4) **Inter-panel discussion***

VI. New Business

No new business was conducted.

VII. Public Comment Opportunity

No public comment was offered.

VIII. Adjournment

Kyle made a motion to adjourn the meeting. Bret seconded that motion. Motion passed and the meeting was adjourned at 3:00 p.m.