

**STATE OF NORTH DAKOTA
PUBLIC SERVICE COMMISSION**

Meeting Notice and Agenda

October 9, 2017

Time: October 10, 2017 - 7:45 a.m. – Conclusion

Location: Room 335
National Energy Center of Excellence
Bismarck State College
Bismarck, ND

Re: Great Plains and EmPower ND Energy Conference
Interim Energy Development and Transmission Committee
(recessed to attend Energy Conference)

Agenda:

Attend the Great Plains and EmPower ND Energy Conference, and the Interim Energy Development and Transmission Committee, which will be in recess to attend the Energy Conference. Committee and Conference agendas are attached.

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Date: 9 Oct 2017
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NORTH DAKOTA LEGISLATIVE MANAGEMENT

Tentative Agenda

ENERGY DEVELOPMENT AND TRANSMISSION COMMITTEE

Monday, October 9, 2017

Brynhild Haugland Room, State Capitol, Bismarck, North Dakota

Tuesday, October 10, 2017

Room 335, National Energy Center of Excellence, Bismarck State College, Bismarck, North Dakota

Monday, October 9, 2017, Brynhild Haugland Room, State Capitol, Bismarck

- 9:30 a.m. Call to order
Roll call
Consideration of the minutes of the September 6-7, 2017, meeting
Comments by the Chairman
- 9:40 a.m. [Presentation](#) by a representative of the North Dakota Transmission Authority regarding annual reports related to the 2015-17 biennium
- 9:55 a.m. Distribution of information regarding energy-related tax incentives
- 10:00 a.m. Presentation by a representative of Basin Electric Power Cooperative and a representative of Montana-Dakota Utilities regarding an overview of electrical utility operations
- 12:00 noon Luncheon recess
- 1:00 p.m. Presentation by a representative of Wilkinson Barker Knauer, LLP regarding an overview of electrical grid reliability
- 2:00 p.m. Break
- 2:15 p.m. Presentation of information regarding each electric utility's current energy resource portfolio, projected load growth, future energy resource plans, and other major factors impacting operations by representatives of the following:
- [ALLETE](#)
 - Basin Electric Power Cooperative
 - [Great River Energy](#)
 - [Minnkota Power Cooperative](#)
 - Montana-Dakota Utilities
 - [Otter Tail Power Company](#)
 - Xcel Energy, Inc.
- 3:25 p.m. Panel discussion with representatives of the electric utility industry
- 4:00 p.m. Comments by interested persons
- 4:15 p.m. Committee discussion
- 4:30 p.m. Recess

Tuesday, October 10, 2017, Room 335, National Energy Center of Excellence, Bismarck State College, Bismarck

- 7:45 a.m. Comments by the Chairman
- 7:50 a.m. Recess for the 2017 Great Plains and EmPower ND Energy Conference ([agenda attached](#))

4:15 p.m. Committee discussion

4:30 p.m. Adjourn

Committee Members

Senators: Rich Wardner (Chairman), Brad Bekkedahl, Jim Dotzenrod, Merrill Piepkorn, David S. Rust,
Jessica Unruh

Representatives: Tracy Boe, Mike Brandenburg, Ben Koppelman, Corey Mock, Todd Porter, Gary R.
Sukut

Staff Contact: Adam Mathiak, Fiscal Analyst

TUESDAY, OCTOBER 10, 2017

- 7:45 am **Registration and Continental Breakfast**
- 8:05 am **Welcome from Dr. Larry C. Skogen, President, Bismarck State College**
- 8:10 am **All of the Above: The Big Picture in State and National Energy Policy**
- *Speakers and Times
Subject to Change***
- United States Senator John Hoeven**
Moderator: Jason Bohrer, President and CEO, Lignite Energy Council
Despite ups and downs in the energy industry, North Dakota remains a leader in many energy sectors thanks to an abundance of natural resources and technological advances. Hear from Senator Hoeven on his top priorities in energy policy and his thoughts on major issues affecting the industry. Attendees will have the opportunity to ask questions during this session.
- 9:20 am **Video Messages from:**
- United States Senator Heidi Heitkamp**
Congressman Kevin Cramer
- 9:30 am **Networking Break**
- 9:50 am **Allam Cycle Technology Developments and Implications for North Dakota**
- Bill Brown, CEO, NET Power**
Introduced by Wade Boeshans, President and General Manager, BNI Energy
The Allam Cycle is a potentially transformational power technology, impacting electricity generation, oil, gas and coal extraction, and industrial gas industries in North Dakota and around the world. NET Power is demonstrating the natural gas Allam Cycle at a pilot plant in La Porte, Texas. During this session, Bill Brown will discuss the Allam Cycle's progress, including pilot plant status, commercial development activities, and its potential role in North Dakota.
- 10:50 am **Networking Break**
- 11:00 am **Drone Innovations and Impacts to North Dakota Energy Industry**
- Michael Lamb, VP Operating Services & Enterprise Transformation Office, Xcel Energy**
Matt Dunlevy, President and CEO, SkySkopes
Knut Gustavsen, CVP & President North America, eSmart Systems
Moderated by Trevor Woods, Director of Safety, Northern Plains UAS Test Site
Unmanned aircraft systems (UAS) technology is making a significant impact in the energy industry, utilized for inspecting damage, preventative maintenance, and safety surveillance. Speakers will discuss how drone technology, data and research are impacting the industry, and how regulations are adapting to a rapidly increasing sector.
- 12:15 pm Lunch**
- 1:15 pm **State Actions Challenge Wholesale Electric Markets**
- Raymond Gifford, Partner, Wilkinson Barker Knauer LLP**
Matthew S. Larson, Partner, Wilkinson Barker Knauer LLP
Dave Farnsworth, Manager of ND Power Generation and Engineering, Great River Energy
Randy Christmann, Commissioner, North Dakota Public Service Commission
Coal- and nuclear-based power are exiting wholesale power markets across the country, and states are reacting in a variety of ways to mitigate potential impacts in the electric grid. Hear from Raymond Gifford and Matthew Larson on their research of states actions, and join in a discussion focused on state and regional impacts resulting from the changing markets.
- 2:45 pm **Networking Break**
- 3:00 pm **Technology and Oil Development Update**
- Dr. Brian Kalk, Director of Energy Systems Development, Energy & Environmental Research Center**
North Dakota is home to the Energy & Environmental Research Center which has several major projects underway to support and increase efficiency of the energy industry. Hear how the EERC is working with partners to advance technology and support the future of oil and gas development in the state.
- 3:30 pm **Development of the ND Department of Environmental Quality Update**
- Dave Glatt, Environmental Health Chief, North Dakota Department of Health**
Legislators passed a bill this year to separate the Environmental Health Section from the North Dakota Department of Health, creating the Department of Environmental Quality (DEQ). By July 2019, the new DEQ will have oversight for all existing environmental programs, overseen by a new 13-member Environmental Review Advisory Board. Hear from the current chief of the Environmental Health Section, Dave Glatt, on development of the DEQ and major goals of the first five years.
- 4:00 pm **Wrap-up**
- North Dakota Lieutenant Governor Brent Sanford**