Technical Conference on Reactive Power Resources

April 17, 2012
AD12-10-000

The purpose of the technical conference is to examine whether the Commission should reconsider or modify the reactive power provisions of Order No. 661-A and examine what evidence could be developed under Order No. 661 to support a request to apply reactive power requirements more broadly than to individual wind generators during the interconnection study process.

Agenda

9:00 am – 9:15 am	**Greeting and Opening Remarks**
9:15 am – 12:15 pm	**Discussion of Reactive Power in Interconnection Studies**

This panel will discuss:

- methods used to determine the reactive power requirements for a transmission system, and
- how system impact and system planning studies take into account changes in technologies connected to the system.
- what evidence could be developed to support a request to apply reactive power requirements more broadly than to individual wind generators during the interconnection study process.

Panelists

- Noman Williams, Vice President – Transmission Policy, Sunflower Electric Power Corporation
- Yi Zhang, Senior Regional Transmission Engineer, California ISO
- Eric Laverty, Director of Transmission Access Planning, Midwest ISO
- Dmitry Kosterev, Electrical Engineer, Bonneville Power Administration
- Robert Jenkins, Director – Utility Interconnection, First Solar
- Kris Zadlo, Vice President, Invenergy
- Richard Kowalski, Director – Transmission Strategy and Services, ISO New England Inc.
- Jeff Billo, Manager of Transmission Planning, ERCOT, Inc.

12:15 pm – 1:15 pm Lunch Break

1:15 pm – 4:15 pm Discussion of Reactive Power Resources

Discussion items will include:

- the technical and economic characteristics of different types of reactive power resources, including synchronous and asynchronous generation resources, transmission resources and energy storage resources;
- the design options for and cost of installing reactive power equipment at the time of interconnection as well as retrofitting a resource with reactive power equipment;
- other means by which reactive power is currently secured such as through self-supply; and
- how a technology that is capable of providing reactive power but may not be subject to the generation interconnection process (e.g., FACTs) would be analyzed.

Panelists

- Robert Nelson, Manager of Codes, Standards, and Regulations, Siemens Wind Turbines - Americas
- Kris Zadlo, Vice President, Invenergy
- Robert Jenkins, Director – Utility Interconnection, First Solar
- Michael Jacobs, Director Market and Regulatory Policy, Xtreme Power, Vice-Chair, Electricity Storage Association Advocacy Council
- Khaled Abdul-Rahman, Director, Power Systems Technology Development, California ISO
- Eric Laverty, Director of Transmission Access Planning, Midwest ISO
- Dmitry Kosterev, Electrical Engineer, Bonneville Power Administration
- Jeff Billo, Manager of Transmission Planning, ERCOT, Inc.