



**Power World Program Users Work Group  
Agenda Meeting #5**

**May 21–22, 2014 [8:00 a.m. to 5:00 p.m.]**

**Hosted by: Columbia Grid  
8338 NW Alderwood Road, Suite 140  
Portland, Oregon 97220**

WEBINAR and Phone Bridge information:

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-----May 21<sup>st</sup> -----

**[8:30 –9:30 am] Welcome/Introductions/WECC Antitrust Policy**

Per WECC practice, this will be a PAPERLESS meeting. Presentations will be posted on the WECC website. **Thank you to Columbia Grid for hosting this WECC meeting!!!**

- Columbia Grid:
  - *Review restroom locations and emergency exit procedures.*
- Introduction of attendees.
- Review the WECC Antitrust Policy (*attached*)
- Purpose of the PWPUWG
  - Ensure the WECC power flow and stability computer programs meet the needs of the user.*
  - Facilitate opportunities for training using the PowerWorld Corporation’s PowerWorld Simulator (PWS) program.*
  - Find ways to make the program user more productive, for example, through the sharing of SIMAUTO based scripts (i.e. MS-COM), \*.aux files, and other programming techniques.*
  - Provide a forum for users to share information and exchange ideas on use of the PWS program.*

**[9:30 –9:45 am] - Bug Reporting, Patches, Support, On-Line Training (???)**

Support: (see <http://www.powerworld.com/company/customer-support>)

Patches: (see <http://www.powerworld.com/DOWNLOAD/patches.asp>),  
All training now available on-line (see <http://www.powerworld.com/training/online-training>)

**[9:45 –10:30 am] - Round Table Discussion (Daniel K. & et. All)**

- Post Contingency AGC Response
- Renumbering Multi-section line dummy buses
- PSSE .raw file ID converter
- Knowledge Base on MS access to PowerWorld.

WECC website run-through

**[11 –12 am] - EMS One-Line displays to replicate SCADA for State Estimator (Ramu Ramanathan)**

**[12 –1 pm] - Break for Lunch**

**[1 –1:30 pm] – Topology Comparison Tool (Zachary Gill-Sanford –PSE-)**

**[1:30 –2:30 pm] – ERCOT**

**[[2:30 –2:45 pm] – Break**

**[2:45 –3:00 pm] – DSR Tech Talk (Smart Wire Grid)**

**[3:00 –3:45 pm] – DSR modeling in PW (Power World)**

-----May 22nd -----

**[8:30 –9:30 am] Useful features in Power World (Daniel K – BPA-)**

- Economic Dispatch
- Variable Names
- Islanding Interfaces
- Link to Bus view from One-line

**[9:30 –10:30am] - OPF tool (James Randall –BPA-)**

**[10:30–11am] - Auto Insert & Volt Reg. Device Coordination (Power World)**

**[11–12am] - Additional Topics/Discussion**

**[12 –1 pm] - Break for Lunch**

**[1–2pm] - Voltage Limit monitoring (Ran Xu –BPA)**

**[2–5 pm] Workshop/Additional Topics**

WECC Policy Statement:  
Antitrust Policy  
Date: 10/23/2009

*Attendees are reminded that WECC operates in accordance with the NERC Antitrust Compliance Guidelines and with the WECC Antitrust Policy. The NERC Guidelines and WECC Policy require compliance with all applicable antitrust laws and the avoidance of any conduct that unreasonably restrains competition. It is the responsibility of every WECC employee and all participants at WECC-hosted events to be familiar with these requirements and to comply with them. If you believe actions are being taken in conflict with these requirements, or if you have any other questions or concerns, please contact WECC legal counsel.*

*If you have any questions regarding this statement or when it should be read, please contact a member of the WECC Legal Department.*

### **Introduction**

It is WECC's policy and practice to comply with antitrust laws and avoid all conduct that unreasonably restrains competition. This policy requires the avoidance of any conduct that violates, or that might appear to violate, the antitrust laws. Among other things, the antitrust laws forbid any agreement between or among competitors regarding prices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that unreasonably restrains competition. Furthermore, under section 3(c) of the Delegation Agreement, WECC must adhere to and require that all participants in WECC activities follow and comply with the NERC Antitrust Compliance Guidelines (attached as Appendix A), as amended from time to time. It is the responsibility of every WECC participant and employee who may in any way affect WECC's compliance with the antitrust laws to carry out this commitment.

The antitrust laws and the cases interpreting them do not clearly define all antitrust violations. Most violations are decided based on specific facts of the situation. Notwithstanding this vagueness in the law, certain activities are clearly prohibited. **All WECC participants and staff must refrain from the prohibited activities in all WECC activities and meetings and in other WECC-related communications with WECC members.** There may be other actions which could violate the antitrust laws which are not expressly dealt with herein.

Any WECC participant or employee who is uncertain about the legal ramifications of a particular course of conduct or who has doubts or concerns about whether WECC's antitrust compliance policy is implicated in any situation should consult WECC's General Counsel immediately.

### **Purpose**

The purpose of this policy is to provide guidance to WECC participants and staff regarding potential antitrust problems and to set forth policies to be followed with respect to activities that may involve antitrust considerations.

### **Document Owner**

The owner of this document is the General Counsel.

The document owner is responsible for:

- Identifying the governance requirements for approval of the policy.
- Directing review and revision of the policy to be accurate and compliant with applicable regulatory, legal, and business requirements, and in accordance with the policy's review cycle.
- Designating WECC staff as Subject Matter Experts for the development, revision and review of the policy.
- Ensuring this document is reviewed and approved in accordance with its review cycle.
- Performing initial review and approval of the policy and its revisions.
- Submitting the policy and its revisions for approval.
- Distributing the approved document to the appropriate staff, corporate library, and any other applicable locations for reference.

### **Scope**

This policy applies to WECC participants, including its Board of Directors, and WECC staff as it pertains to WECC activities and meetings and any other WECC-related communications with WECC participants or WECC staff.

## **Responsibilities**

### **Chairman of the Board**

- Communicate this policy to WECC participants

### **Chief Executive Officer**

- Communicate this policy to WECC staff

### **General Counsel**

- Participate in meetings and/or review meeting minutes and other communications for compliance with this policy.

*Should any WECC employee, contractor, or other individual deviate from this policy, that individual is responsible for notifying his or her supervisor of the deviation. The individual is responsible for documenting a description of the deviation and the reason(s) for it. The supervisor may contact the WECC Legal department regarding the issue. Individuals who are concerned with reporting the deviation to a supervisor may utilize the WECC Conflict of Interest and Ethical Issue Reporting Hotline.*

## **Policy**

### **2.1 GENERAL POLICY**

Decisions and actions by WECC should only be undertaken for the purpose of promoting and maintaining the reliability and adequacy of the bulk power system within the Western Interconnection. All discussions in WECC meetings and other communications should be within the scope of the mandate for or assignment to the particular WECC committee or subgroup, as well as within the scope of the published agenda for the meeting. No decisions should be made nor any actions taken in WECC activities for the purpose of giving an industry participant or group of participants a competitive advantage over other participants.

### **2.2 PROHIBITED ACTIVITIES**

WECC members and staff must refrain from the following when acting in their capacity as WECC members and staff (i.e., during WECC meetings, conference calls, WECC-related communications, informal discussions at WECC events, informal communications with WECC staff, etc):

- Discussions involving pricing information, especially margin (profit) and members' expectations as to their future prices or internal costs.
- A member discussing its marketing strategies.
- Discussions regarding how customers and geographical areas are to be divided among competitors.
- Discussions to exclude competitors from markets.
- Discussions concerning boycotting or group refusals to deal with competitors, vendors or suppliers.

### **2.3 ACTIVITIES WHICH ARE PERMITTED**

WECC members may discuss and approve:

- Reliability matters, including operation and planning matters such as developing and establishing regional reliability standards, reliability criteria, operating procedures, operating transfer capabilities, and plans for new facilities. Matters relating to the impact of reliability standards for the bulk power system on electricity markets, and the impact of electricity market operations on the reliability of the bulk power system.
- Proposed filings or other communications with state or federal regulatory authorities or other governmental entities.
- Matters relating to the internal governance, management and operation of WECC, such as nominations for vacant committee positions, budgeting and assessments, and employment matters; and procedural matters such as planning and scheduling meetings.

From time to time decisions or actions of WECC (including those of its Board of Directors, committees and subgroups) may have a negative impact on particular entities and thus in that sense adversely impact

competition. Decisions and actions by WECC (including its Board of Directors, committees and subgroups) should only be undertaken for the purpose of promoting and maintaining the reliability and adequacy of the bulk power system in the Western Interconnection. If you do not have a legitimate business purpose for discussing a matter that is consistent with this objective, members and staff must refrain from discussing the matter during WECC meetings and in other WECC-related communications.

No decisions should be made nor any actions taken in WECC activities for the purpose of giving an industry participant or group of participants a competitive advantage over other participants. In particular, decisions with respect to setting, revising, or assessing compliance with approved reliability standards should not be influenced by anti-competitive motivations.

Any other matters that do not clearly fall within these guidelines should be reviewed with WECC's General Counsel before being discussed.