



AGENDA
PJM Interconnection
PJM Operating Committee (202nd Meeting)
PJM Conference and Training Center
Tuesday, July 8th, 2014
9:00 AM

Members Present:

Mike Bryson, Chair
Heather Reiter, Secretary
Jim Bencheck
John Brodbeck
Elizabeth Davis
Bill Dugan
Chuck Dugan
Neal Fitch
Rich Heidorn
John Hoepflinger
Carl Johnson
George Kogut
James Manning
Robert O'Connell
David Pratzon
Rebecca Stadelmeyer
Doug White

PJM Interconnection
PJM Interconnection
FirstEnergy Solutions Corporation
Potomac Electric Power Company
PPL Energy Plus, LLC
Customized Energy Solutions, Ltd.
East Kentucky Power Cooperative, Inc.
NRG Power Marketing LLC
RTO Insider
NRG Power Marketing LLC
Customized Energy Solutions, Ltd.
New York Power Authority
North Carolina Electric Membership
JPMorgan Ventures Energy Corporation
GT Power Group
Exelon Business Services Company, LLC
North Carolina Electric Membership

Members Present via Conference Call:

Malcolm Ainspan
Gerry Binder
Martin Bolan
Michael Borgatti
Bruce Campbell
Gregory Carmean
Kevin Chamberlain
John Citrolo
Ralph DeGeeter
Ralph DeVitto
Doug Eakins

Energy Curtailment Specialists, Inc.
SESCO Enterprises LLC
FirstEnergy Solutions Corporation
Gable and Associates
EnergyConnect, Inc.
OPSI
Commonwealth Edison Company
PSEG Energy Resources and Trade LLC
Maryland Public Service Commission
Rockland Electric Company
Commonwealth Edison Company



Bruce Erickson
David Erickson
Scott Etnoyer
John Farber
Guy Filomena
David Fusek
Don Gebele
Debbie Gebolys
Michele Greening
Dan Griffiths
Fred Heizer
Tom Hoatson
John Horstmann
Andrew Hunter
Tom Hyzinski
Kenneth Jennings
Siva Josyula
Catharine Lacy
Steven Lieberman
Alex Ma
David Mabry
David Marton
Lisa McAlister
Chris Norton
Christopher O'Leary
Brock Ondayko
Kevin Patten
Rodney Phillips
Russell Price
Ruth Price

Paul Santarelli
David Scarpignato
Louis Slade
Jacquie Smith
Bryan Sock
Vince Stefanowicz
Jeff Stuchell
Devon Summers
David Weaver
Ronald Wharton

Allegheny Electric Cooperative, Inc.
Appalachian Power Company
Raven Power Marketing LLC
DE Public Service Commission
Customized Energy Solutions, LLC
Appalachian Power Company
Dayton Power & Light Company
Ohio PUC
PPL EnergyPlus, LLC
Consumer Advocates of PJM States
Ohio PUC
Riverside Generating, LLC
Dayton Power & Light Company
Metropolitan Edison Company
PPL Energy Plus, LLC
Duke Energy Business Services LLC
Monitoring Analytics, LLC
Dominion Virginia Power
Old Dominion Electric Cooperative
Invenergy
McNees Wallace & Nurick LLC
FirstEnergy Solutions Corporation
American Municipal Power, Inc.
American Municipal Power, Inc.
PSEG Energy Resources and Trade LLC
Appalachian Power Company
Appalachian Power Company
American Transmission Systems, Inc.
UGI Utilities, Inc.
Division of the Public Advocate of the
State of Delaware
PPL Electric Utilities Corp.
Direct Energy Business, LLC
Virginia Electric & Power Company
ReliabilityFirst Corporation
PSEG Energy Resources and Trade LLC
PPL EnergyPlus, LLC
FirstEnergy Solutions Corporation
Commonwealth Edison Company
PECO Energy Company
Public Service Electric & Gas Company



Also Present:

Dave Anders	PJM Interconnection
Glen Boyle	PJM Interconnection
Rebecca Carroll	PJM Interconnection
Joe Ciabattoni	PJM Interconnection
Phil D'Antonio	PJM Interconnection
Adrien Ford	PJM Interconnection
Ron Graff	PJM Interconnection
Tom Hauske	PJM Interconnection
Mark Heimbach	PJM Interconnection
Chantal Aimee Hendrzak	PJM Interconnection
Eric Hsia	PJM Interconnection
Nancy Huang	PJM Interconnection
Jacquelynn Huges	PJM Interconnection
Alpa Jani	PJM Interconnection
Sri Kappangantula	PJM Interconnection
Adam Keech	PJM Interconnection
Mike Kormos	PJM Interconnection
Ray Lee	PJM Interconnection
Jinny Park	PJM Interconnection
Chris Pilon	PJM Interconnection
David Schweizer	PJM Interconnection
Nicole Scott	PJM Interconnection
Paul Sotkiewicz	PJM Interconnection
Dave Souder	PJM Interconnection
Laura Walter	PJM Interconnection
Kim Warshel	PJM Interconnection
Glen Weiss	PJM Interconnection
Tom Zadlo	PJM Interconnection

1. ADMINISTRATION

- OC Agenda was approved for this meeting.
- Draft Minutes of the June 3rd, 2014 OC meeting were reviewed and approved.
- Ms. Reiter reviewed the updated OC Work Plan.

2. COMMITTEE/SUBCOMMITTEE/WORKING GROUP

PJM Staff will provide an informational report on the issues and activities associated with the Committee/Subcommittee:



- A. Markets and Reliability Committee – Mr. Anders
- B. Markets Implementation Committee – Ms. Ford
- C. System Operations Subcommittee – Mr. Pilong
- D. System Information Subcommittee – Mr. Graff
- E. Senior Restoration Strategy Task Force – Ms. Hendrzak

3. NERC/RFC UPDATE

Mr. Kappagantula provided an update on NERC, SERC, RFC, and NAESB Regional Standards. Project 2010.05.2 Special Protection Systems has a ballot and comment period ending 7/25/14. PRC-005 and VAR-002 Project 2014-01 Standards Applicability for Dispersed Generation Resources has a comment and ballot period ending 7/28/14. TPL-007-1, Project 2013 -03 Geomagnetic Disturbance Mitigation has a comment and ballot period ending 7/30/14. PRC-010-1, Project 2008-02 Undervoltage and Underfrequency Load Shedding UVLS & UFLS has a comment and ballot period ending 8/7/14. The 2015-2017 Reliability Standards Development Plan has a comment period until 7/21/14.

4. REVIEW OF OPERATIONS

Mr. Pilong reviewed PJM Operations since the last Operating Committee (OC) Meeting. No major issues were identified.

5. 2013 HOT WEATHER RECOMMENDATIONS UPDATE

Mr. Souder provided an update on the 2013 Hot Weather Recommendations. A request was made to add a column as to where each recommendation is being worked on, whether it is internal to PJM or at a stakeholder level.

6. 2014 COLD WEATHER RECOMMENDATIONS UPDATE

Ms. Hendrzak provided a status update on the 18 2014 Cold Weather Recommendations. Several recommendations have been completed.

7. NERC LESSONS LEARNED

Mr. D'Antonio shared information on the new "Lessons Learned" postings on the NERC website. New lessons include "Loss of SCADA Due to Memory Resources Being Fully Utilized", "Generation Relaying – Overexcitation" and "Generation Relaying – Underfrequency Protection Coordination". Mr. D'Antonio also requested stakeholders to take the NERC survey for winter preparations.



8. PERFECT DISPATCH PROCESS OBJECTIVES

Mr. Ciabattoni discussed the perfect dispatch process. Perfect Dispatch is an after the fact operation analysis tool that measures the performance of PJM's real-time operations.

9. PARAMETER LIMITED SCHEDULES

Mr. Bob O'Connell, JPMorgan, led a discussion on the process for applying for and receiving an exception from the default parameter limited scheduled. Concerns over the current exceptions process were discussed. PJM has been requested to investigate the issue and size of the issue and to follow up at a future OC meeting.

10. ATSI NEW CLOSED LOOP INTERFACE

Ms. Carroll reviewed the NEWCASOE interface that became effective July 1, 2014. The interface was created to accurately price the usage of sub-zonal Load Management during specific outage conditions and is modeled in both the Real-Time and Day-Ahead Markets. The interface will terminate when the outage condition concludes.

11. MANUALS

A. Mr. D'Antonio reviewed changes to Manual 37: Reliability Coordination. Changes include removing Kammer 765/500 kV transformer and Belmont 765/500 kV transformer from the IROL table. These facilities will no longer be IROL's once this version of the manual is approved. The SOL definition and SOL violation were also updated to align with the NERC standard. **The Operating Committee endorsed these changes with 0 objections and 0 abstentions.**

B. Ms. Park reviewed changes to Manual 12: Balancing Operations. Changes were made to provide clarity, accuracy and consistency in regards to regulating resources. ****The Operating Committee will be asked to endorse these changes at its next meeting.**

12. COMED SPS REMOVALS

Mr. Kevin Chamberlain, Mr. Doug Eakins, and Mr. Devon Summers (COMED) presented on three ComEd SPS removals. The Wolfs Crossing – Sandwich line SPS, the Waukegan SPS (after Summer 2014), and the Zion Energy Center SPS are all no longer required due to transmission system upgrades and enhancements in these areas. ReliabilityFirst has been informed of the planned removals.

13. BETHLEHEM/STEEL CITY SPS UPDATE

Ms. Reiter provided an update that the Bethlehem/Steel City SPS has been cancelled.



14. PJM.COM WEBSITE FEEDBACK

Mr. Zadlo discussed feedback PJM received from the Member Survey regarding the PJM website. Some feedback received included the PJM website not being user friendly and confusing. PJM is looking to schedule phone interviews with people who use the Markets & Operations section of PJM's website content as part of their jobs and how we can make utilizing the website easier for them.

15. REACTIVE TESTING: IMPACTS OF MOD-025, 026 & 027

Mr. Schweizer reviewed the impacts of MOD-025, MOD-026 and MOD 027 on reactive capability data and testing. Proposed enhancements to M14D: Attachment E include: Testing in phases, elapsed time to complete the test sequence (all portions of reactive testing shall be completed within six calendar months after initial test or PJM will consider it unsuccessful), Tracking of tests (PJM to complete a template to be followed). PJM Implementation plan will have M14D revisions going through the committees in Aug/Sept 2014 timeframe.

16. TRANSMISSION OWNER DATA FEED UPDATE

Ms. Huang reviewed the updated problem statement on the Transmission Owner Data Feed Issue Charge. The next meeting is June 27th from 1-3 PM.

17. GAS UNIT COMMITMENT COORDINATION

- A. Ms. Hendrzak reviewed the Problem Statement and Issue Charge for Gas Unit Commitment Coordination. The group provided clarifying comments and suggestions for education based on the Issue Topics.
- B. Ms. Hendrzak reviewed the proposed schedule. The group briefly reviewed the schedule and provided feedback for conflict for the 7/23/14 meeting. The 7/23/14 meeting will be adjusted to start 1 hour earlier (12-3pm) to resolve the conflict.
- C. Ms. Hendrzak led a discussion to gather and document interests.
- D. Mr. Boyle reviewed Gas Scheduling Issues focusing around Operator Communications.

18. COLD WEATHER RESOURCE IMPROVEMENT

- A. Mr. Weiss reviewed the minutes from the June 23rd Cold Weather Resource Improvement Conference Call.
- B. Ms. Reiter reviewed the Cold Weather Resource Scope and Work Plan.



- C. Mr. Lee provided additional education as requested on Hydro Performance and Dual Fuel Capable Start Failures and Forced Outages. The Cold Weather Improvement template was also reviewed.
- D. Mr. Heimbach reviewed the draft winter preparation checklist. Any comments and/or feedback can be made to David Schweizer or Mark Heimbach.

19. FUTURE OC MEETINGS

August 5, 2014	PJM Conference and Training Center	9:00 AM
September 4, 2014 (Thursday)	PJM Conference and Training Center	9:00 AM
October 7, 2014	PJM Conference and Training Center	9:00 AM
November 6, 2014(Thursday)	PJM Conference and Training Center	9:00 AM
December 2, 2014	PJM Conference and Training Center	9:00 AM

Author: Heather Reiter
Typist: Heather Reiter

Anti-trust:

You may not discuss any topics that violate, or that might appear to violate, the antitrust laws including but not limited to agreements between or among competitors regarding prices, bid and offer practices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that might unreasonably restrain competition. If any of these items are discussed the chair will re-direct the conversation. If the conversation still persists, parties will be asked to leave the meeting or the meeting will be adjourned.

Code of Conduct:

As a mandatory condition of attendance at today's meeting, attendees agree to adhere to the PJM Code of Conduct as detailed in PJM Manual M-34 section 4.5, including, but not limited to, participants' responsibilities and rules regarding the dissemination of meeting discussion and materials.

Public Meetings/Media Participation:

Unless otherwise noted, PJM stakeholder meetings are open to the public and to members of the media. Members of the media are asked to announce their attendance at all PJM stakeholder meetings at the beginning of the meeting or at the point they join a meeting already in progress. Members of the Media are reminded that speakers at PJM meetings cannot be quoted without explicit permission from the speaker. PJM Members are reminded that "detailed transcriptional meeting notes" and white board notes from "brainstorming sessions" shall not be disseminated. PJM Members are also not allowed to create audio, video or online recordings of PJM meetings.