



DRAFT MEETING MINUTES
PJM Interconnection
PJM Operating Committee (203rd Meeting)
PJM Conference and Training Center
Tuesday, August 5th, 2014
9:00 AM

Members Present:

Mike Bryson, Chair
Heather Reiter, Secretary
Jim Bencheck
Elizabeth Davis
Neal Fitch
Derek Hagaman
Rich Heidorn
John Horstmann
Carl Johnson
George Kogut
Joel Luna
David Pratzon
Rebecca Stadelmeyer

PJM Interconnection
PJM Interconnection
FirstEnergy Solutions Corporation
PPL Energy Plus, LLC
NRG Power Marketing LLC
GT Power Group
RTO Insider
Dayton Power & Light Company
Customized Energy Solutions, Ltd.
New York Power Authority
Monitoring Analytics, LLC
GT Power Group
Exelon Business Services Company, LLC

Members Present via Conference Call:

Malcolm Ainspan
David Bloom
Michael Borgatti
Charles Bonner
Bruce Campbell
Gregory Carmean
Kenneth Carretta
Dan Carro
John Citrolo
Ralph DeVitto
Bill Dugan
Chuck Dugan
Bruce Erickson
John Farber
Guy Filomena

Energy Curtailment Specialists, Inc.
Baltimore Gas and Electric Company
Gable and Associates
Dominion Virginia Power
EnergyConnect, Inc.
OPSI
PSEG Energy Resources and Trade LLC
Dominion Virginia Power
PSEG Energy Resources and Trade LLC
Rockland Electric Company
Customized Energy Solutions
East Kentucky Power Cooperative, Inc.
Allegheny Electric Cooperative, Inc.
DE Public Service Commission
Customized Energy Solutions, LLC



Jessica Frelich
John Garavaglia
Marj Garbini
Terry Gates
Don Gebele
Debbie Gebolys
Rehan Gilani
Michele Greening
Dan Griffiths
Fred Heizer
Doug Hils
Tom Hoatson
Kenneth Jennings
Siva Josyula
Steve Kelly
Steve Kimmish
Catharine Lacy
Steven Lieberman
Brian Lonergan
Callaghan Luby
Alex Ma
David Mabry
Mollie Maher
David Marton
Cindy Markiewicz
Andrea Maucher

John Moraski
Kerry Neubrandner
Brock Ondayko
Greg Pakela
Kevin Patten
Pamela Quinlan
David Scarpignato
Anita Schafer
Jacquie Smith
Bryan Sock
Judith Stubbe
Anne Vogel
Ronald Wharton
Doug White

Integrays Energy Services, Inc.
Commonwealth Edison Company
Potomac Electric Power Company
AEP
Dayton Power & Light Company
Ohio PUC
ConEdison Energy, Inc.
PPL EnergyPlus, LLC
Consumer Advocates of PJM States
Ohio PUC
Duke Energy Ohio, Inc.
Riverside Generating, LLC
Duke Energy Business Services LLC
Monitoring Analytics, LLC
Brookfield Renewable
PSEG Energy Resources and Trade LLC
Dominion Virginia Power
Old Dominion Electric Cooperative
Elliot Bay Energy
TrailStone Power, LLC
Invenergy
McNees Wallace & Nurick LLC
PPL Energy Plus, LLC
FirstEnergy Solutions Corporation
Allegheny Power
Division of the Public Advocate of the
State of Delaware
Baltimore Gas and electric Company
DC Energy Mid-Atlantic, LLC
Appalachian Power Company
DTE Energy Trading, Inc.
Appalachian Power Company
Rockland Electric Company
Direct Energy Business, LLC
Duke Energy Business Services LLC
ReliabilityFirst Corporation
PSEG Energy Resources and Trade LLC
Duke energy Ohio, Inc.
Public Service Electric & Gas Company
Public Service Electric & Gas Company
North Carolina Electric Membership Corp.



Also Present:

Dave Anders	PJM Interconnection
Stan Brownell	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
Liem Hoang	PJM Interconnection
Jacquelynn Hugee	PJM Interconnection
Alpa Jani	PJM Interconnection
Bhavana Keshavamurthy	PJM Interconnection
Mark Kuras	PJM Interconnection
Ray Lee	PJM Interconnection
Chris Pacella	PJM Interconnection
Jinny Park	PJM Interconnection
Chris Pulong	PJM Interconnection
Jeff Schmitt	PJM Interconnection
David Schweizer	PJM Interconnection
Nicole Scott	PJM Interconnection
Dave Souder	PJM Interconnection
Simon Tam	PJM Interconnection
Laura Walter	PJM Interconnection
Kim Warshel	PJM Interconnection
Glen Weiss	PJM Interconnection

1. ADMINISTRATION

- OC Agenda for this meeting was approved.
- Draft Minutes of the July 8th, 2014 OC meeting were reviewed and approved.
- OC Work Plan was reviewed.

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 – This task force is now sunsetted.

3. NERC/RFC UPDATE

Mr. Kuras provided an update on NERC, SERC, RFC, and NAESB Regional Standards. TPL-007-1, Project 2013-03 Geomagnetic Disturbance Mitigation has a comment period from 6/13/14 – 7/30/14 and ballot period from 7/21/14 – 7/30/14. PRC-010-1 Project 2008-02 Undervoltage and Underfrequency Load Shedding has a comment period of 6/24/14 – 8/7/14 and a ballot period of 7/29/14 – 8/7/14. EOP-011-1 Project 2011-1 Emergency Operations has a comment period thru 8/15/14 and a ballot period from 8/6/14 – 8/15/14. PRC-004-X, PRC-005-X, VAR-002-X Project 2014-01 Applicability for Dispersed Generation Resources Standards has a comment period thru 8/25/14 and a ballot period from 8/15/14 – 8/25/14. Standards under development include CIP-014-1 Physical Security, PRC-005-3 Protection System Maintenance, PRC-025-1 Generator Relay Loadability and PRC-0023-3 Relay Loadability. Companies are requested to contact Mark Kuras to schedule TO/TOP Audits. (AEP, UGI, PSEG)

4. REVIEW OF OPERATIONS

Mr. Pilong reviewed PJM Operations since the last Operating Committee (OC) Meeting.

5. MINIMUM GENERATION ALERT

Mr. Pilong reviewed the July 5th Minimum Generation event. Contributing factors included mild temperatures which resulted in unusual low loads, SCED solution problems, and generators not reporting or responding to the min gen declaration. As a result a software fix is currently being tested for the SCED pricing issues and a new “Minimum Generation Advisory” Emergency Procedure message has been created to provide advance notice of a potential Minimum Generation event.

6. PJM INTERFACE POSTINGS

Mr. Ciabattone discussed the communication process of new interfaces being developed by PJM. The process includes identifying the problem, determining the thermal surrogate, creating a “closed loop” around the effective generation and load, identifying ZIP codes for Demand Response, and posting the interfaces.

7. 2013 HOT AND 2014 COLD WEATHER RECOMMENDATIONS UPDATE

Mr. Souder and Ms. Hendrzak provided status updates on the 2013 Hot Weather and 2014 Cold Weather Recommendations.



8. PARAMETER LIMITED SCHEDULES

Mr. Bryson provided some follow up information from last month's discussion around Parameter Limited Schedules.

9. DOOMS – LEXINGTON 500 KV OUTAGE

Mr. Hoang presented information on the Doods – Lexington 500 kV line outage. This outage is needed to rebuild the line (RTEP 1908). Outages are scheduled from September 2014 – June 2015, and again from September 2015 – December 2015. Some congestion is expected (thermal and reactive), but controllable. No reliability issues are expected. There is a new Bath County Stability SPS that will be in service (along with the current Thermal SPS) to lessen the impact and allow Bath County units to operate for system capacity which will be armed as needed.

10. EX-SCHEDULE UPDATE

Mr. Pacella provided an update on the ExSchedule Application. Internal parallel operations will continue through the end of August, with the retirement of EES and cutover to ExScheulde in mid-September.

11. MANUAL UPDATES

- A. 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 endorsed these changes with 0 objections and 0 abstentions.**
- B. Mr. Schweizer reviewed changes to Manual 14D: Generator Operational Requirements. Changes include a new section 4.1.2 on Jetstream, updated eDART description in section 5.3.4, various changes in section 7, revised section 8.2.3 on real-time meteorological tower for consistency with Tariff and Interconnection Service Agreement requirements, and changes to Attachments D and M. Attachment F was deleted. Other significant changes included Attachment E, PJM Generator and Synchronous Condenser Reactive Capability Testing to align with NERC Reliability Standard MOD-025-2. ****The Operating Committee will be asked to endorse these changes at its next meeting.**

12. ENHANCED INVERTER INITIATIVE

Ms. Keshavamurthy provided an update on the Planning Committee's Enhanced Inverter Initiative. The group is currently identifying capabilities needed from inverters. They are working with developers and identifying components. The next meeting is scheduled for August 13th, 2014 where they plan to put together solution packages.



13. COMBINED CYCLE UPDATE

Mr. Joel Luna, Monitoring Analytics, provided some information about Combined Cycle operation in PJM. Mr. Hauske provided a status update on the Combined Cycle Problem Statement. PJM and the MMU have been working on evaluating cost benefits to implement the solution package. Currently they have not been able to accurately quantify savings from implementation of the CC Model. PJM is looking for feedback from Combined Cycle owners on other possible cost saving approaches.

14. TRANSMISSION OWNER DATA FEED UPDATE

Mr. Schweizer provided an update on the Transmission Owner Data Feed Issue Charge. A package solution has been identified. A draft operating agreement and M14D language update was posted on 7/24/14. Next steps include review of final versions at the next meeting on August 18, 2014, and presenting the package to the OC/MRC in the September/October timeframe with a potential filing by 12/1/14.

15. REGULATION PROBLEM STATEMENT

Mr. Schmitt reviewed the Regulation Problem Statement that will be presented and worked on in the Markets Implementation Committee.

16. GAS UNIT COMMITMENT COORDINATION

- A. Ms. Hendrzak reviewed the options matrix and discuss status quo.
- B. Mr. Brownell provided an overview on gas day and nomination timeline.
- C. Ms. Walter provided an overview on eMKT business rules and data field requirements.

17. COLD WEATHER RESOURCE IMPROVEMENT

- A. Mr. Weiss reviewed the minutes from the July 22nd Cold Weather Resource Improvement Conference Call.
- B. Ms. Reiter reviewed the design components and options discussed at the last meeting. At the next meeting on August 18, 2014, members are requested to come prepared to discuss possible solution packages.

18. FUTURE OC MEETINGS

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.