

System Operations Subcommittee – Generation and Transmission
PJM Conference and Training Center
March, 30, 2016
09:00am – 10:30 am (EDT)

Transmission Members Present

LAST NAME	FIRST NAME	COMPANY	
D'Antonio (Chair)	Phil	PJM Interconnection	In-Person
Yeddanapudi (Secretary)	Sree	PJM Interconnection	In-Person
Cox	Jason	Dynegy Marketing and Trade, LLC	In-Person
Dinsmore	Frank	Appalachian Power Company	Teleconference
Forcum	David	Duke Energy Ohio, Inc.	Teleconference
Garavaglia	John	Commonwealth Edison Company	Teleconference
Guarneri	Matt	Baltimore Gas and Electric Company	Teleconference
Horstmann	John	Dayton Power & Light Company (The)	Teleconference
Hunt	John	Virginia Electric & Power Company	Teleconference
Johnston	Todd	Appalachian Power Company	Teleconference
Klohonatz	Mark	First Energy Solutions Corp.	Teleconference
Lloyd	David	UGI Utilities, Inc.	Teleconference
Lowe	Connie	Dominion Virginia Power	Teleconference
Mines	Steven	AEP Ohio Transmission Company, Inc.	Teleconference
Patten	Kevin	Appalachian Power Company	Teleconference
Pleiss	Gary	Jersey Central Power & Light Company	Teleconference
Sauriol	Dennis	AEP Ohio Transmission Company, Inc.	Teleconference
Schloendorn	Ron	PECO Energy Company	In-Person
Stine	Randy	Metropolitan Edison Company	Teleconference
Sullivan	James	Neptune Regional Transmission System, LLC	Teleconference
Wharton	Ronald	Public Service Electric & Gas Company	Teleconference
Whittaker	Greg	East Kentucky Power Cooperative, Inc.	Teleconference

Generation Members Present

Grear	Mark	Exelon Generation Co	Teleconference
Hoatson	Tom	Riverside Generating, LLC	Teleconference
James	Louise	Dominion Energy Market Inc.	Teleconference
Jankowski	Christopher	Talen Energy Marketing LLC	Teleconference

Keilholtz	Kenny	GenOn Energy Management LLC	Teleconference
Skumanich	William	Talen Energy Marketing, LLC	Teleconference

Others Present

Brodbeck	John	EDP Renewables North America, LLC	Teleconference
Ford	Andy	PJM Interconnection	In-Person
Hislop	Dave	PJM Interconnection	In-Person
Hoang	Liem	PJM Interconnection	In-Person
Ike-Egbuonu	Chidi	PJM Interconnection	In-Person
Libbos	Robin	FirstEnergy Solutions Corp.	Teleconference
Restucci	Dan	PJM Interconnection	In-Person
Scott	Nicole	PJM Interconnection	In-Person
Tam	Simon	PJM Interconnection	In-Person
Tiemann	Jeff	PJM Interconnection	In-Person
Weiss	Glenn	PJM Interconnection	In-Person

Administration

1. The Agenda for this meeting was approved.
2. The Draft Minutes of the February 24 Joint meeting were approved as written.
3. Other Administrative Items
 - a. SOS Charter Review: Mr. Yeddanapudi reviewed draft changes to the SOS charter. He sought feedback on SOS efforts. No further changes were made to the Charter.
 - b. Capacity Performance Implementation Preparedness Training: Mr. Yeddanapudi informed SOS of upcoming training being planned for Capacity Performance Implementation. He informed that the dates were being finalized for the training sessions and encouraged members to participate in the training.
 - c. Reactive D-Curve Acknowledgement by GO: Mr. Yeddanapudi informed as part of the summer pre-preparations, GOs are requested to review and acknowledge their generators' reactive D-curve capabilities. He informed that GOs can perform this review via eDART and are required to complete it by April 30, 2016 after which TOs and PJM can review the same.

Review of Operations

4. Mr. D'Antonio provided an update of System Operations. For the month of February 2016: CPS1: 153.7%, BAAL: 99.7%, CPS2: (84.8%) and DCS 100%. He informed that there were 2 cold weather alerts in February and 1 Spinning event, 2 shared reserve events and 16 PCLLRW events.

For the partial month of February 2016, so far there have been 8 PCLLRW events and 9 High System Voltage events.

Member Operational Issues: None

Working Group and Task Force Updates

5. eDART User Groups –Ms. Ike-Egbuonu provided an update on eDART changes for first quarter of 2016 and informed that a release was scheduled in the evening of 03/30 during which eDART will be unavailable. She also informed the SOS about upcoming changes to eDART which include: Functionality to Split Unit Outage Reduction for Joint Owned Units for Capacity Performance, Default Status Switch Tracking, Transformer Tap Changer Functionality, Addition of Voltage Limits per Station, Reactive Reserve Check Enhancements, Reactive Testing Tickets. She also informed that PJM is reviewing all dormant eDART accounts and will terminate access to these accounts if no longer in use.
6. Dispatcher Training Subcommittee (DTS) – Mr. Yeddanapudi informed that the PJM System Operator Training was currently ongoing and member feedback on training was very positive.

System Operator Training and Certification

7. Mr. Yeddanapudi provided the results of certification and training statuses. Transmission – All companies are in compliance with the Training & Certification requirements. Generation- 2 companies are non-compliant; 2 with mitigation plans in place for Training. 7 are companies non-compliant; 7 with mitigation plans in place for Certification. Small Generation –3 companies are non-compliant; 2 with mitigation plans in place. CSP- All companies are in compliance with the Training. PJM is working with all companies to develop mitigation plans for non-compliance.

Regional Standards, NAESB, and Compliance Update

8. Mr. Kappagantula provided an update on NERC, SERC, RFC, and NAESB Regional Standards.
9. The SOS addressed any ongoing Member issues regarding NERC/RFC Audits. None identified.

Manual Updates

10. Mr. Restucci provided first read of the changes being made to Manual 36, Version 23. The changes are being made as part of annual review required per EOP-005-2 and EOP-00-2, R3. He reviewed the various changes being made to the manual. The changes will be reviewed at the next SOS meeting.
11. Ms. Scott provided first read of the changes being made to Manual 03, Version 49. She provided an overview of the various sections being updated in the manual and sought feedback. The changes will be reviewed at the next SOS meeting.
12. Mr. D'Antonio provided first read of the changes being made to Manual 13, Version 60. He reviewed various changes being made to the manual as part of periodic review which also include Capacity Performance related changes. The changes will be reviewed at the next SOS meeting.

- Mr. Schweizer provided first read of the changes being made to Manual 10, Version 34. Clarifications are being made to the generation outage approval process in response to questions discussed at prior OC meetings. The changes will be reviewed at the next SOS meeting.

Emergency Procedures Enhancements for Performance Assessment Hours

- Mr. Hislop reviewed the changes being made to the PJM's Emergency Procedures tool used to notify Emergency procedures. He informed that changes are slated to be released by May 05, 2016.

System Operating Limits Technical Conference

- Mr. Hislop informed about a recently announced NERC Technical Conference to Establish and Communicate System Operating Limits. He informed the purpose of the conference, the items for discussion and encouraged participation. Meeting information can be found at: <https://www.eventbrite.com/e/project-2015-09-system-operating-limits-technical-conference-registration-22580481829>

Future Agenda Items

Review of Communication protocols per COM-002-4 Standard (Sept/Oct 2016) – Glen Boyle

Synchrophasors – how will PJM be using them in 2015 – Dave Hislop

Reactive Curve Verification – recurring

Generator semi-annual review (October/April)

TO semi-annual review (November/May)

Generator Performance Monitor Update

Drill Dates

February 23-24, 2016

2016 Spring RTO restoration drill

May 10, 2016

Summer Emergency Procedures drill

Future Meeting Dates

March 30, 2016	9:00 AM	PJM Conference & Training Center
April 27, 2016	9:00 AM	PJM Conference & Training Center
May 25, 2016	9:00 AM	PJM Conference & Training Center
June 29, 2016	9:00 AM	PJM Conference & Training Center
July 27, 2016	9:00 AM	PJM Conference & Training Center

Author: Sree Yeddanapudi

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. Stakeholders are also not allowed to create audio, video or online recordings of PJM meetings.

On the Phone Dial



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