

**System Operations Subcommittee – Generation and Transmission**  
**PJM Conference and Training Center**  
**April 27, 2016**  
**09:00am – 10:30 am (EDT)**

## Transmission Members Present

LAST NAME	FIRST NAME	COMPANY	
Pilong (Chair)	Chris	PJM Interconnection	In-Person
Yeddanapudi (Secretary)	Sree	PJM Interconnection	In-Person
Baker	Jeff	Duke Energy Ohio, Inc.	Teleconference
Bryant	Eric	FirstEnergy Solutions Corp.	Teleconference
Carlson	Trent	Gridliance	Teleconference
Cox	Ryan	Appalachian Power Company	Teleconference
Felix	Robert	Duquesne Light Company	Teleconference
Forcum	David	Duke Energy Ohio, Inc.	Teleconference
Fusek	David	Appalachian Power Company	Teleconference
Garavaglia	John	Commonwealth Edison Company	Teleconference
Harcourt	Wayne	Duke Energy Ohio, Inc.	Teleconference
Horstmann	John	Dayton Power & Light Company (The)	Teleconference
Johnston	Todd	Appalachian Power Company	Teleconference
Kern	Stephan	American Transmission Systems, Inc.	Teleconference
Klohonatz	Mark	FirstEnergy Solutions Corp.	Teleconference
Libbos	Robin	FirstEnergy Solutions Corp.	Teleconference
Lloyd	David	UGI Utilities, Inc.	Teleconference
Lowe	Connie	Dominion Virginia Power	Teleconference
Lumbrazo	Laura	Rockland Electric Company	Teleconference
McKinney	Greg	East Kentucky Power Cooperative, Inc.	Teleconference
Miller	Jermel	Baltimore Gas and Electric Company	Teleconference
Mines	Steven	AEP Ohio Transmission Company, Inc.	Teleconference
O'Leary	Christopher	PSEG Energy Resources and Trade LLC	Teleconference
Ondayko	Brock	Appalachian Power Company	Teleconference
Patten	Kevin	Appalachian Power Company	Teleconference
Pleiss	Gary	Jersey Central Power & Light Company	Teleconference
Rhodes	Sherri	FirstEnergy Solutions Corp.	Teleconference
Roettker	Joe	Duke Energy Ohio, Inc.	Teleconference
Sauriol	Dennis	AEP Appalachian Transmission Company	Teleconference
Schloendorn	Ronald	PECO Energy Company	In-Person

Shaffer	Chris	Appalachian Power Company	Teleconference
Stine	Randy	Metropolitan Edison Company	Teleconference
Wagner	Daniel	Appalachian Power Company	Teleconference
Wharton	Ronald	Public Service Electric & Gas Company	Teleconference
Skumanich	William	PPL Electric Utilities Corporation	Teleconference
Whittaker	Greg	East Kentucky Power Cooperative, Inc.	Teleconference

## Generation Members Present

Bonner ES	Charles	Dominion Virginia Power	Teleconference
Grear	Mark	Exelon Generation Co., LLC	Teleconference
James	Denise	Dominion Energy Marketing, Inc.	Teleconference
Jankowski	Christopher	Talen Energy Marketing, LLC	Teleconference
Keilholtz	Kenny	GenOn Energy Management, LLC	Teleconference

## Others Present

Brodbeck	John	EDP Renewables North America, LLC	Teleconference
Ciabattoni	Joe	PJM Interconnection	In-Person
Ford	Andy	PJM Interconnection	In-Person
Hopkins ES	Sandra	Dominion Virginia Power	Teleconference
Ike-Egbuonu	Chidi	PJM Interconnection	In-Person
Restucci	Dan	PJM Interconnection	In-Person
Scott	Nicole	PJM Interconnection	In-Person
Seelke	John	Unison Energy	Teleconference
Tam	Simon	PJM Interconnection	In-Person
Temple	Bill	PJM Interconnection	In-Person

## Administration

1. The Agenda for this meeting was approved.
2. The Draft Minutes of the March 30 Joint meeting were approved as written.
3. Other Administrative Items
  - a. Mr. Yeddanapudi informed SOS about upcoming Performance Assessment Hour Education meeting scheduled for 05/02/2016 and encouraged participation. He also informed upcoming Summer Emergency Procedures Drill scheduled for 05/10/2016. He reminded GOs to review

and acknowledge generator D-curves in eDART and 04/30/2016 and requested TOs to complete their review by 05/30/2016.

- b. SOS Charter Review: Mr. Pilog reviewed draft changes to the SOS charter. He sought feedback on SOS efforts. The draft Charter will be reviewed by OC for endorsement.

## Review of Operations

- 4. Mr. Pilog provided an update of System Operations. For the month of March 2016: CPS1: 155.1%, BAAL: 99.8%, CPS2: (86.8%) and with no DCS events. He informed that there were 2 PCLLRW events with 13 High System Voltage events.

For the partial month of April 2016, so far there have been 4 PCLLRW events and 10 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 May 2016 and informed that a release is planned for 05/25. Changes include: eDART changes for Capacity Performance, Default Status Switch Tracking and Owners Report enhancements. She also informed that termination of dormant eDART accounts was ongoing. She informed that about next eDART users group meeting and encouraged participation.

## Dispatcher Training Subcommittee (DTS) –

- 6. Mr. Yeddanapudi informed that the PJM System Operator Training was currently ongoing. He informed an Online Refresher course associated with the upcoming Summer EP Drill will be available in the LMS by the first week of May. Due to a new emergency procedure, this training will be required to be completed by all Generation Dispatchers, Transmission Operators & CSPs by July 1<sup>st</sup>. He informed about upcoming training available for May and June 2016.

## 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- 1 companies are non-compliant; 0 with mitigation plans in place for Training. 7 are companies non-compliant; 5 with mitigation plans in place for Certification. Small Generation –2 companies are non-compliant; 0 with mitigation plans in place. CSP- 1 company is non-compliant with 0 with mitigation plans in place. PJM has contacted companies that are non-compliant and working to resolve all instances of non-compliance.

## Regional Standards, NAESB, and Compliance Update

- 8. Mr. Temple 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 second 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.
11. Ms. Scott provided second 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.
12. Mr. Pilog provided second 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.
13. Mr. Schweizer provided second 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.

## 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

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
August 31, 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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