

System Operations Subcommittee – Generation and Transmission
PJM Conference and Training Center
December 22, 2015,
09:00am – 9:35 am (EDT)

Transmission Members Present

LAST NAME	FIRST NAME	COMPANY	
Pilong (Chair)	Chris	PJM Interconnection	In-Person
Yeddanapudi (Secretary)	Sree	PJM Interconnection	In-Person
Bryant	Eric	FirstEnergy Solutions Corp.	Teleconference
DeVitto	Ralph	Rockland Electric Company	Teleconference
Dinsmore	Frank	Appalachian Power Company	Teleconference
Garavaglia	John	Commonwealth Edison Company	Teleconference
Gibellino	Dana	Appalachian Power Company	Teleconference
Guarneri	Matt	Baltimore Gas and Electric Company	In-Person
Hopkins	Sandra	Dominion Virginia Power	Teleconference
Johnston	Todd	Appalachian Power Company	Teleconference
Libbos	Robin	FirstEnergy Solutions Corp.	Teleconference
Lloyd	David	UGI Utilities, Inc.	Teleconference
Miller	Jermel	Baltimore Gas and Electric Company	In-Person
Pleiss	Gary	Jersey Central Power and Light Company	Teleconference
Schloendorn	Ron	PECO Energy Company	Teleconference
Stine	Randy	Metropolitan Edison Company	Teleconference
Wagner	Daniel	Appalachian Power Company	Teleconference
Wharton	Ron	Public Service Electric and Gas Company	In-Person
Whittaker	Greg	East Kentucky Power Cooperative, Inc.	Teleconference

Generation Members Present

Grear	Mark	Exelon Generation Co., LLC	Teleconference
Hoatson	Tom	Riverside Generating, LLC	Teleconference
Jankowski	Christopher	Talen Energy Marketing LLC	Teleconference
Jones	David	Constellation Energy Control and Dispatch, LLC	Teleconference
Lowe	Connie	Dominion Energy Marketing, Inc.	Teleconference
Scarpignato	David	Calpine Energy Services	In-Person
Skumanich	William	Talen Energy Marketing, LLC	Teleconference

Others Present

Boyle	Glen	PJM Interconnection	In-Person
Burlew	Jim	PJM Interconnection	In-Person
D'Antonio	Phil	PJM Interconnection	In-Person
Ford	Andy	PJM Interconnection	In-Person
Hendrazak	Chantal	PJM Interconnection	In-Person
Hislop	Dave	PJM Interconnection	In-Person
Hoke	Mike	PJM Interconnection	Teleconference
Ike-Egbuonu	Chidi	PJM Interconnection	In-Person
Kappagantula	Sri	PJM Interconnection	In-Person
O'Connor	Sioban	Energy Authority, Inc.	Teleconference
Schweizer	David	PJM Interconnection	In-Person
Semrau	Keith	Cleveland Public Power	Teleconference
Sondor	James	PJM Interconnection	In-Person
Strella	Lauren	PJM Interconnection	In-Person
Tam	Simon	PJM Interconnection	In-Person

Administration

1. The Agenda for this meeting was approved.
2. The Draft Minutes of the November 24, 2015 Joint meeting were approved as written.

Review of Operations

3. Mr. Piling provided an update of System Operations. For the month of November: CPS1: 158%, BAAL: 99.7%, CPS2: (87.7%); DCS 100%.

Mr. Piling informed that mild-weather in months of November and December so far has resulted in lower load conditions. As a result, there were 14 High System Voltage events in November. No major operational conditions were encountered.

Mr. Piling informed the SOS about the ongoing Capacity Performance discussion at the OC and suggested members to attend the OC meetings. He informed that various operational scenarios for Capacity Performance were being discussed in detail and informed that further discussion on certain topics can be also brought to the SOS as future Agenda items.

Member Operational Issues: None

Working Group and Task Force Updates

4. eDART User Groups –Ms. Ike-Egbuonu provided an update on eDART changes were available as part of the December 09 released. She also informed the SOS about upcoming changes to eDART which include: Network Model Requests and Cut-In Transmission Tickets Linkage, Reactive Testing Tickets, Transformer Tap Changer

Functionality, Addition of Voltage Limits per Station, Default Status Switch Tracking. She informed that additional functionality is being added to automatically close Generation Outage tickets that have do not have an actual start or end date well beyond the expected start and stop dates respectively. She also informed that changes were being proposed to Reactive Reserve Check Enhancements similar to recent Instantaneous Reserve Check (IRC) implementation. Ms. Ike-Egbonu reminded that all eDART account access requests need to originate from the member CAM accounts. This is to ensure an expedient approval of the accounts by the eDART administrators. She also informed that PJM will review all dormant eDART accounts in early 2016 and will terminate access to these accounts if no longer in use. Ms. Hopkins asked if eDART was included as part of the single sign-on effort which allows members to access all PJM systems. Ms. Ike-Egbonu informed that this effort is currently under review and will likely be incorporated as part of the eDART refresh project.

5. Dispatcher Training Subcommittee (DTS) – Mr. Hoke informed that recent Train the Trainer held on December 8, 9 at PJM was well received. He provided reminders on upcoming training from DTS and informed that the Generator Initial Training program is scheduled for 01.25.2016 and registration will be available shortly.

System Operator Training and Certification

6. Mr. Hoke provided the results of certification and training statuses. Transmission – All companies are in compliance with the Training & Certification requirements. Generation- 3 companies are non-compliant; 1 with mitigation plans in place for Training. 9 are companies non-compliant; 4 with mitigation plans in place for Certification. Small Generation –4 companies are non-compliant; 1 with mitigation plans in place. 4 companies non-compliant; 0 with mitigation plans in place. PJM is working with all companies to develop mitigation plans for non-compliance.

Regional Standards, NAESB, and Compliance Update

7. Mr. Kappagantula provided an update on NERC, SERC, RFC, and NAESB Regional Standards.
 - Standards currently under development by the NERC SDT:
 - BAL-005-0.2b, BAL-006-2,FAC-001-1: Project 2010-14.2.1: Phase 2 of Balancing Authority Reliability-based Controls (BARC 2) has an additional ballot period between 12/31/15 – 1/11/16 and a comment period thru 1/11/16.
 - IRO-018-1, TOP-101-1: Project 2009-02 Real-time Reliability Monitoring and Analysis Capabilities has a comment period thru 1/25/16
 - Standards subject to future enforcement thru July 1, 2017.
 - Effective **January 1, 2016**, the following standards are being enforced: FAC-001-2 - Facility Interconnection Requirements, FAC-002-2 - Facility Interconnection Studies, NUC-001-3 - Nuclear Plant Interface Coordination, PRC-005-4 – Protection System, Automatic Reclosing, and Sudden Pressure Relaying Maintenance
 - Effective **April 1, 2016**, the following standards are being enforced: PRC-005-3 - Protection System and Automatic Reclosing Maintenance; PRC-005-3(i) - Protection System and Automatic Reclosing Maintenance (w/disp gen)

- Standards with future enforcement dates of the list can be found in the presentation.

8. The SOS addressed any ongoing Member issues regarding NERC/RFC Audits. None identified.

Manual Updates

9. Mr. Hoang provided a second read of changes proposed to Manual M38: Operations Planning (Revision 9). Minor changes are being proposed as part of an annual review of the manual.

Cold Weather Generation Exercise Update

10. Mr. Schweizer provided an update on the 2015 Cold Weather Generation Exercise efforts. He informed the SOS the number of generators that have performed a winter test starting from Dec 1. He informed that considering the milder weather some the scheduled tests have been cancelled. He informed testing will be extended into the first week of January 2016 and generator owners can coordinate their testing plans thru Mr. Ray Lee (ray.lee@pjm.com)

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

December 22, 2015

9:00 AM

PJM Conference & Training Center

January 27, 2016

9:00 AM

PJM Conference & Training Center

February 24, 2016

9:00 AM

PJM Conference & Training Center

March 30, 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.

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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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