



# Meeting Minutes

System Operations Subcommittee – Generation and Transmission  
PJM Conference and Training Center  
June 01, 2018  
09:00am – 11:00 am (EDT)

## SOS Members Present

LAST NAME	FIRST NAME	COMPANY	
Pilong (Chair)	Chris	PJM Interconnection, LLC	In-Person
Zhang (Secretary)	Michael	PJM Interconnection, LLC	In-Person
Whitehead	Jeffrey	GT Power Group	In-Person
Baker	Jeff	Duke Energy Ohio, Inc.	Teleconference
Balascak	Andrew	PPL Electric Utilities Corp. dba PPL Utilities	Teleconference
Bernier	Benjamin	Gridforce Energy Management, LLC	Teleconference
Bonner	Charles	Dominion Virginia Power	Teleconference
Brodbeck	John	EDPR	Teleconference
Brown	Robert	AEPES	Teleconference
Bryant	Eric	FirstEnergy Solutions Corp.	Teleconference
Buhler	Thomas	Rockland Electric Company	Teleconference
Clemans	Steve	AES	Teleconference
Erickson	David	Appalachian Power Company	Teleconference
Felix	Robert	Duquesne Light Company	Teleconference
Francis	Andre	Southern Maryland Electric Cooperative	Teleconference
Frederickson	Joseph	Public Service Electric & Gas Company	Teleconference
Garavaglia	John	Commonwealth Edison Company	Teleconference
Johnston	Todd	Appalachian Power Company	Teleconference
Keilholtz	Kenny	GenOn Energy Management, LLC	Teleconference
Kern	Stephan	American Transmission Systems, Inc	Teleconference
Lankes	Kurt	Duquesne Light Company	Teleconference
Lowe	Connie	Dominion Virginia Power	Teleconference
Miller	Jermel	Baltimore Gas and Electric	Teleconference
O'Leary	Christopher	PSEG Energy Resources and Trade LLC	Teleconference
Ondayko	Brock	Appalachian Power Company	Teleconference
Phillips	Marj	Direct Energy	Teleconference
Stine	Randy	Metropolitan Edison Company	Teleconference
Sullivan	James	Neptune Regional Transmission System, LLC	Teleconference
Wagner	Daniel	Appalachian Power Company	Teleconference
White	Doug	North Carolina Electric Membership	Teleconference

		Corporation	
Yohnk	Darrel	ITC Interconnection LLC	Teleconference

## Others Present

Bielak	Donnie	PJM Interconnection, LLC	In-Person
David	Becky	PJM Interconnection, LLC	In-Person
Derin	Bilge	PJM Interconnection, LLC	In-Person
Fahr	Suzie	PJM Interconnection, LLC	In-Person
Ford	Andy	PJM Interconnection, LLC	In-Person
Hislop	David	PJM Interconnection, LLC	In-Person
Hoke	Michael	PJM Interconnection, LLC	In-Person
Lawruk	Michael	PJM Interconnection, LLC	In-Person
Le	Vy	PJM Interconnection, LLC	In-Person
Lee	Ray	PJM Interconnection, LLC	In-Person
McGlynn	Paul	PJM Interconnection, LLC	In-Person
Monzon	Stephanie	PJM Interconnection, LLC	In-Person
Oakes	Brian	PJM Interconnection, LLC	In-Person
Ofoegbu	Chidi	PJM Interconnection, LLC	Teleconference
Stadelmeyer	Rebecca	PJM Interconnection, LLC	In-Person
Tam	Simon	PJM Interconnection, LLC	In-Person
Turtle	David	PJM Interconnection, LLC	In-Person
Walker	Preston	PJM Interconnection, LLC	In-Person
Herel	Suzanne	RTO Insider	Teleconference

## Administration

1. The Agenda for this meeting was approved.
2. Minutes for the April 26, 2018 Joint SOS Meeting were approved.

## Review of Operations

3. Mr. Pilong provided an update of System Operations in May and multiple hot weather alerts issued throughout the month. There is a large volume of transmission outages taking place with less than expected generation returning from outage.
4. Mr. Pilong reviewed preliminary findings on the AEP load shed event. There was a PAI and the balancing ratios have been posted. More information on the event and analysis regarding charges and bonuses will be provided as they become available

Questions were raised regarding sequence of controlling actions and generators available. Mr. Pilong informed that this was a localized event and the analysis is still on-going for evaluating specific controlling actions, including generators. PJM operators looked at all available actions prior to issuing the load shed directive in the short timeframe allowed. This did not impact IROLs.

Multiple questions were raised regarding initiating events and system conditions at the time of the load shed. Mr. Pilong said that the information will be available once the analysis is complete.

A concern was raised regarding the timing of hot weather alerts and their proximity to the closing of the Day-Ahead market. Mr. Pilong clarified that PJM tries to issue alerts 2-3 days in advance where possible but unpredictable weather conditions can alter the timing. PJM will try to look for ways to change the timing.

A question was raised regarding Emergency Procedures and the notification timing for alerts. Mr. Pilong explained that an all-call will go out for these types of alerts and that communications through other channels may be delayed. PJM will first reach out to impacted parties prior to posting in Emergency Procedures for everyone else.

A specific question was raised regarding controlling actions taken on the distribution system. Mr. Pilong said that no actions were taken on that level and PJM does not always model sub-BES substations. Mr. Wagner from AEP clarified that AEP 34KV is considered non-BES.

## eDART and DTS Updates

5. eDART User Groups: Ms. Ofoegbu reviewed upcoming enhancements in the June 27 release as well as changes with the retirement of the legacy RRC application. The old Telemetry Coordination and Restoration Data tools were deactivated. The PSSE Nerc Data tool is being revised to be read-only, SDX mapping updates should be communicated to PJM via other channels. Future enhancements for Voltage Limits and Transformer Taps were previewed.
6. Dispatcher Training Subcommittee (DTS): Mr. Hoke reviewed several training events for the month of June, all are listed on the PJM Training website and are available to register. The Generation Dispatcher Exam survey was finalized and will be going out to all certified generation dispatchers. The Transmission Owner Operator Exam is expected to launch August 1 with a blackout period in October to validate results. There will be no instant scoring during the initial two months of the exam.

## System Operator Training and Certification

7. Mr. Hoke provided the update. All transmission companies are compliant. Four generation companies, two CSP, and one generation company are non-compliant.

## Regional Standards, NAESB, and Compliance Update

8. Mr. Walker provided an update on NERC, NAESB, and RFC & SERC Regional Standards.
9. No member issues regarding NERC/RFC reported.

## Generation Updates

10. Mr. Lee reviewed the timeline for Black Start Data submissions. The RFP has closed and proposals are being reviewed.
11. Mr. Lee made an announcement regarding D-Curve acknowledgements for TOs ending by June 1.

## PJM Manual Updates

12. Mr. Ford provided a first read on changes to Manual 3A.
13. Ms. Derin provided a first read on changes Manual 1 revision 39.

## 2018 ANNUAL GRID SECURITY DRILL

14. Mr. Lawruk discussed the upcoming drill for simulated physical and cyber-attacks to PJM. Please reach out if anyone is interested in participating.

### **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.