

Joint System Operations Subcommittee – Generation and Transmission
PJM Conference & Training Center
February 3, 2020
09:00 a.m. EDT

Last Name	First Name	Company	
Carroll (Chair)	Becky	PJM Interconnection, LLC	In-Person
Dajewski (Secretary)	Paul	PJM Interconnection, LLC	In-Person
Bickel	Todd	PJM Interconnection, LLC	In-Person
Bielak	Donnie	PJM Interconnection, LLC	In-Person
Cawley	Troy	PJM Interconnection, LLC	In-Person
Croop	Daniele	PJM Interconnection, LLC	In-Person
Davis	Elizabeth	PJM Interconnection, LLC	In-Person
DePasquale	William	PJM Interconnection, LLC	In-Person
Dropkin	Robert	PJM Interconnection, LLC	In-Person
Hatch	Kevin	PJM Interconnection, LLC	In-Person
Kappagantula	Srinivas	PJM Interconnection, LLC	In-Person
Kimmel	David	PJM Interconnection, LLC	In-Person
Ofoegbu	Chidi	PJM Interconnection, LLC	In-Person
Shenk	Jordan	PJM Interconnection, LLC	In-Person
Walker	Preston	PJM Interconnection, LLC	In-Person
Baker	Jeff	Duke Energy Ohio, Inc.	Teleconference
Balascak	Andrew	PPL Electric Utilities Corp. dba PPL Utilities	Teleconference
Barmer	Mike	Dominion Virginia Power	Teleconference
Boyle	Glen	PJM Interconnection, LLC	Teleconference
Brodbeck	John	EDP Renewables North America, LLC	Teleconference
Buhler	Thomas	Rockland Electric Company	Teleconference
Clemans	Steve	AES	Teleconference
Cox	Ryan	Appalachian Power Company	Teleconference
De Salvo	Russel	Commonwealth Edison Company	Teleconference
Downes	Peter	Public Service Electric & Gas Company	Teleconference
Felix	Robert	Duquesne Light Company	Teleconference
Forcum	David	Duke Energy Ohio, Inc.	Teleconference
Francis	Andre	Southern Maryland Electric Cooperative	Teleconference
Frogg	Darrell	PJM Interconnection, LLC	Teleconference
Fusek	David	Appalachian Power Company	Teleconference
Gagen	Rod	Dominion Virginia Power	Teleconference
Garavaglia	John	Commonwealth Edison Company	Teleconference
Grear	Mark	Exelon Generation Co., LLC	Teleconference
Hauske	Thomas	PJM Interconnection, LLC	Teleconference
Janicki	Diane	Boston Energy Trading & Marketing, LLC	Teleconference

Johnston	Todd	Appalachian Power Company	Teleconference
Karasiewicz	John	Public Service Electric & Gas Company	Teleconference
Kern	Stephan	American Transmission Systems, Inc.	Teleconference
Lake	David	FirstEnergy Solutions Corp.	Teleconference
Latocha	Mike	FirstEnergy Solutions Corp.	Teleconference
Libbos	Robin	FirstEnergy Solutions Corp.	Teleconference
Liu	Jay	PJM Interconnection, LLC	Teleconference
Lloyd	David	UGI Utilities, Inc.	Teleconference
Mali	Gizella	FirstEnergy Solutions Corp.	Teleconference
Markiewicz	Cindy	FirstEnergy Solutions Corp.	Teleconference
Schloendorn	Ronald	PECO Energy Company	Teleconference
Schwertner	Cody	Silver Run Electric	Teleconference
Sells	Scott	East Kentucky Power Cooperative, Inc.	Teleconference
Shaffer	Chris	Appalachian Power Company	Teleconference
Skumanich	William	RTR Energy Solutions	Teleconference
Stefanowicz	Vincent	PJM Interconnection, LLC	Teleconference
Straight	Richard	FirstEnergy Solutions Corp.	Teleconference
Sullivan	James	Neptune Regional Transmission System, LLC	Teleconference
Summers	Jim	Delmarva Power & Light Company	Teleconference
Wagner	Daniel	Appalachian Power Company	Teleconference

Administration (9:00-9:05)

Safety Briefing

1. Agenda for the February 3, 2020 meeting was approved without comments.
2. Draft Minutes from the January 6, 2020 SOS Joint Meeting were approved without comments.

Review of Operations (9:05-9:10)

3. Ms. Carroll provided an update of System Operations in January. During the month of January, PJM issued 1 Cold Weather Alert, 2 Synchronized Reserve Events, 1 High System Voltage Action, 2 PCLLRWs, and 1 Minimum Generation Advisory. PJM also participated in 4 NPCC Shared Reserve Events.

eDART Updates (9:10-9:15)

4. Ms. Ofoegbu provided an update on the latest and upcoming eDART release.
 - a. An update will be released to eDART on February 13, which will include Voltage Limits and Enhancement to Gen Checkout. The Gen Checkout enhancement will allow creation of Ambient Air Ticket adjustments directly from the Gen Checkout application.

- b. Future 2020 eDART enhancements will include the removal of Voltage Control Philosophy column in D-Curve Report in favor of using Voltage Limit, inclusion of Takeout & Restore Equipment and Cut-In Task Statuses on Transmission tickets, and validation of Transmission Outage Dates against selected Outage Type.

DTS and Training Certification Update (9:15-9:20)

5. Mr. DePasquale reviewed the information that was presented at the last DTS meeting:
 - a. Seminar registration is open, public registration will be open on February 10. If any members have problems, contact trainingsupport@pjm.com.
 - b. PJM is working on offering simulation hours in the morning of the first day of seminar. Reach out to trainingsupport@pjm.com for more information.
6. Mr. DePasquale provided an update on member compliance with PJM Training and Certification requirements, per Manual 40.
 - a. All Transmission companies are compliant with training and certification
 - b. 1 Generation company is non-compliant with training, all are compliant with certification
 - c. 1 Small Generation company is non-compliant with training, all are compliant with certification
 - d. 1 CSP is non-compliant with training, all are compliant with certification

Regional Standards, NAESB, and Compliance Update (9:20-9:25)

7. Mr. Walker provided an update on standards and compliance:
 - a. Comments on the NERC draft reliability guideline Bulk Power System Reliability Perspectives on the Adoption of IEEE 1547-2018 are due February 12, PJM agrees with the guidelines
 - b. RF will hold a workshop on Internal Controls on February 12 in Cleveland, OH
 - c. Electric Power HPI will occur on 9/28, registration is now open
 - d. Align Webinar and Project 2019-03 Cyber security happening on February 4
 - e. NERC standards subject to enforcement in 2020:
 - PRC-002-2 as of July 1, 2020

Manual Updates (9:25-9:40)

8. Mr. Shenk performed a first read associated with periodic cover-to-cover review changes for Manual 37 Rev 17.
9. Ms. Carroll performed a first read associated with periodic cover-to-cover review changes for Manual 12 Rev 40. The manual was the first one to go through PJM's new manual proofreading effort. Other manuals will go through the same process.
10. Ms. Carroll performed a first read associated with periodic cover-to-cover review changes for Manual 13 Rev 76.

11. Mr. DePasquale performed a second read on changes associated with Manual 40 Rev 22. The changes were endorsed without comment or concern.
12. Mr. Kappagantula performed a second read on changes associated with the TO/TOP Matrix. The changes were endorsed without comment or concern.

Black Start Unit Involuntary Termination & Substitution Rules (9:40-9:45)

13. Mr. Kimmel discussed a *Black Start Involuntary Termination and Substitution Rules* Problem Statement and Issue Charge. The Problem Statement and Issue Charge will be presented at the OC at a later date.

Future Agenda Items

- Review of PJM Manual 13 (Sept, Mar)
- Reactive Curve Verification – recurring
 - Generator semi-annual review (October/April)
 - TO semi-annual review (November/May)

Future Meeting Dates

March 9, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
April 13, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
May 18, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
June 11, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
July 13, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
August 3, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
August 31, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
October 5, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
November 2, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
November 30, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx

Author: Paul Dajewski

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Code of Conduct:

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