

Joint System Operations Subcommittee – Generation and Transmission
PJM Conference & Training Center
March 9, 2020
09:00 a.m. EDT

LAST NAME	FIRST NAME	COMPANY	
Dajewski (Secretary)	Paul	PJM Interconnection, LLC	In-Person
Carroll (Chair)	Rebecca	PJM Interconnection, LLC	Teleconference
Baker	Jeff	Duke Energy Ohio, Inc.	Teleconference
Barmer	Mike	Dominion Virginia Power	Teleconference
Benchek	Jim	American Transmission Systems, Inc.	Teleconference
Berger	Keith	First Energy Company	Teleconference
Bickel	Todd	PJM Interconnection, LLC	Teleconference
Bielak	Donnie	PJM Interconnection, LLC	Teleconference
Boyle	Glen	PJM Interconnection, LLC	Teleconference
Briggs	Mar	Brandywine Power	Teleconference
Brodbeck	John	EDP Renewables North America, LLC	Teleconference
Bryant	Eric	FirstEnergy Solutions Corp.	Teleconference
Buhler	Thomas	Rockland Electric Company	Teleconference
Cox	Ryan	Appalachian Power Company	Teleconference
Crudup	Larry	Galt Power Inc.	Teleconference
Dajewski	Paul	PJM Interconnection, LLC	Teleconference
Davis	Elizabeth	PJM Interconnection, LLC	Teleconference
De Salvo	Russell	Commonwealth Edison Company	Teleconference
Downes	Peter	Public Service Electric & Gas Company	Teleconference
Ericson	Christine	Illinois Commerce Commission	Teleconference
Felix	Robert	Duquesne Light Company	Teleconference
Foley	Imelda	University of Delaware	Teleconference
Fusek	David	Appalachian Power Company	Teleconference
Garavaglia	John	Commonwealth Edison Company	Teleconference
Gear	Mark	Exelon Generation Co., LLC	Teleconference
Guntle	Vince	UGI Development Company	Teleconference
Hastings	David	Market Interconnection Consulting Services (MICS)	Teleconference
Heffentrager	Scott	PJM Interconnection, LLC	Teleconference
Hoang	Liem	PJM Interconnection, LLC	Teleconference
Hoatson	Tom	Riverside Generating, LLC	Teleconference
Hoke	Michael	PJM Interconnection, LLC	Teleconference
Hooker	Marquette	Dominion Energy Generation Marketing, Inc.	Teleconference
Johnston	Todd	Appalachian Power Company	Teleconference
Kern	Stephan	American Transmission Systems, Inc.	Teleconference
Klohonatz	Mark	FirstEnergy Solutions Corp.	Teleconference
Lake	David	FirstEnergy Solutions Corp.	Teleconference
Lloyd	David	UGI Utilities, Inc.	Teleconference
Lowe	Connie	Dominion Virginia Power	Teleconference

Mackiewicz	David	PPL Electric Utilities Corp. dba PPL Utilities	Teleconference
Mathew	Lagy	PJM Interconnection, LLC	Teleconference
McGee	Brandon	Customized Energy Solutions, Ltd.*	Teleconference
McGlynn	Paul	PJM Interconnection, LLC	Teleconference
Ofoegbu	Chidiogo	PJM Interconnection, LLC	Teleconference
Ondayko	Brock	Appalachian Power Company	Teleconference
Roettker	Joe	Duke Energy	Teleconference
Schloendorn	Ronald	PECO Energy Company	Teleconference
Sebold	Michael	Public Service Electric & Gas Company	Teleconference
Sells	Scott	East Kentucky Power Cooperative, Inc.	Teleconference
Shenk	Jordan	PJM Interconnection, LLC	Teleconference
Skumanich	William	RTR Energy Solutions	Teleconference
Squibb	Bill	Ohio Valley Electric	Teleconference
Stefanowicz	Vincent	PJM Interconnection, LLC	Teleconference
Straight	Richard	FirstEnergy Solutions Corp.	Teleconference
Sullivan	James	Neptune Regional Transmission System, LLC	Teleconference
Tam	Simon	PJM Interconnection, LLC	Teleconference
Walker	Preston	PJM Interconnection, LLC	Teleconference
Yohnk	Darrel	ITC Interconnection LLC	Teleconference

Administration (9:00-9:05)

1. Agenda for the March 9, 2020 has been approved without comment.
2. Draft Minutes from the February 3, 2020 SOS Joint Meeting have been approved without comment.

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

3. Ms. Carroll provided an update of System Operations in February. During the month of February, PJM issued 4 Synchronized Reserve Events and 4 PCLLRWs. PJM also participated in 3 NPCC Shared Reserve Events.

eDART Updates (9:10-9:15)

4. Ms. Ofoegbu provided an update on the latest and upcoming eDART release.
 - a. Spring model build is now available in eDART. It includes future in-service equipment and removed retired equipment with an effective date of March 10.
 - b. Latest eDART release, which occurred on February 13th, included the Voltage Limits tool and enhancement to allow for creation of Ambient Air tickets from Gen Checkout.
 - c. eDART Forum and eDART XML Forum will hold a combined meeting on Monday, March 23 at 11:00 a.m.

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

5. Mr. Hoke provided an update on items discussed during the last DTS meeting.
 - a. First three weeks of seminar have been cancelled

- b. System Operator Training is working on recording guest speaker presentations and including them and associated quizzes in the LMS
- c. In the event an operator's certification is about to expire and they were counting on the seminar CEHs to renew, reach out to System Operator Training at trainingsupport@pjm.com
- d. Remaining seminar weeks will be decided over the next few weeks

- 6. Mr. Hoke 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. 4 Generation companies are non-compliant with training, 2 are non-compliant with certification
 - c. 1 Small Generation company is non-compliant with training, all are compliant with certification
 - d. 2 CSP companies are 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. Comment period for cold weather standard authorization request due is 3/19, PJM has no further comments on SAR

Manual Updates (9:25-9:40)

- 8. Mr. Shenk performed a second read on changes associated with Manual 37 Rev 17. The changes were endorsed without comment or concern.
- 9. Ms. Carroll performed a second read on changes associated with Manual 12 Rev 40. The changes were endorsed without comment or concern.
- 10. Ms. Carroll performed a second read on changes associated with Manual 13 Rev 76. The changes were endorsed without comment or concern.

2019 Cold Weather Operating Limits Survey (9:40-9:45)

- 11. Mr. Stefanowicz provided an update on the current 2019 Cold Weather Operating Limits Survey. The survey is closing on April 1, 2020. Mr. Stefanowicz also took the opportunity to discuss the reactive capability curves review, which is currently ongoing and available in eDART.

Manual 3 Split (09:45-09:50)

- 12. Mr. Mathew provided an overview of Manual 3 split of Operating Procedure into new Manual 3B. Manual 3B will contain all operating procedures currently listed in Manual 3 section 5 and will not go through committee approval.

Coronavirus Update (09:50-09:55)

- 13. Mr. Heffentrager provided an update on PJM's plan and response to the coronavirus.

Future Meeting Dates

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

Antitrust:

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. PJM may create audio, video or online recordings of stakeholder meetings for internal and training purposes, and your participation at such meetings indicates your consent to the same.

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<p>On the Phone Dial</p>  <p>Mute / Unmute</p>	<p>Linking Teleconference Connection to WebEx</p> <p>To link your teleconference connection (audio presence) to your WebEx presence, please dial *29 and enter your Personal Identification Number. Once you are logged in to the WebEx, this PIN can be found under the "Meeting Info" tab of your WebEx window.</p>
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Minutes

Provide feedback on the progress of this group: [Facilitator Feedback Form](#)
Visit learn.pjm.com, an easy-to-understand resource about the power industry and PJM's role.