

Operating Committee
Webex Only
August 6, 2020
9:00 a.m. – 12:00 p.m. EPT

Administration

1. Lauren Strella Wahba, PJM, provided announcements; review the Antitrust, Code of Conduct, Public Meetings/Media Participation, and the WebEx Participant Identification Requirement.
 - a. Reviewed and approved the Operating Committee (OC) agenda for this meeting.
 - b. Reviewed and approved draft minutes of the July 9 OC meeting.
 - c. Reviewed the OC work plan.

Review of Operations

2. PJM COVID-19 Update
Donnie Bielak, PJM, provided an update on PJM's operations plan in response to COVID-19.
<https://pjm.com/committees-and-groups/pandemic-coordination.aspx>
3. Review of Operating Metrics
Stephanie Monzon, PJM, reviewed the July 2020 PJM operating metrics slides. Metrics will include PJM's load forecast error, BAAL performance, and transmission / generation outage statistics.

Endorsements

4. Manual 01 Changes
Shaun Murphy, PJM, reviewed updates to Manual 01: Control Center and Data Exchange Requirements to include new language on required Synchrophasor device placement.
The changes to Manual 01 were endorsed with 1 objection and 1 abstention.
5. Manual 14D and Manual 27 Changes
Ray Fernandez, PJM, reviewed updates to Manual 14D: Generator Operational Requirements and Manual 27: Open Access Transmission Tariff Accounting related to changes to deadlines for Adjustments associated with finalizing the zonal network service peak load values.
The changes to Manual 14D were endorsed with 0 objections and 0 abstentions.

Tool and Informational Updates

6. System Operations Subcommittee (SOS) Report
Rebecca Carroll, PJM, provided a summary of the most recent SOS meeting.
7. Fuel Security Phase III Update
Brian Fitzpatrick provided a brief update on the status of the Phase III of the Fuel Security initiative.

8. System Resilience Update
Chris Pilog, PJM, provided an update on System Resilience.
9. Regulation Performance Update
Gabrielle Genuario, PJM, provided an update on PJM regulation market performance.
10. NERC Lessons Learned
Donnie Bielak, PJM, reviewed the latest posted NERC Lessons Learned reports.

Black Start Unit Testing, CRF, Involuntary Termination, and Substitution Rules

11. Black Start Unit Testing, CRF, Involuntary Termination, and Substitution Rules Matrix
 - a. Becky Davis, PJM, provided a first read of the PJM solution package.
The Operating Committee will be asked to endorse the solution package at the next meeting.
 - b. Joe Bowring, IMM, provided a first read of the IMM solution package.
The Operating Committee will be asked to endorse the solution package at the next meeting.

Attendance (WebEx)

Last Name	First Name	Company	Sector
Phillips (Chair)	Darlene	PJM Interconnection	Not Applicable
Strella Wahba (Secretary)	Lauren	PJM Interconnection	Not Applicable
Anders	David	PJM Interconnection	Not Applicable
Balascak	Andrew	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Barker	Jason	Exelon Business Services Company, LLC	Transmission Owner
Benchek	Jim	First Energy	Transmission Owner
Bennett	Dan	PJM Interconnection	Not Applicable
Berton	Tyler	AEP Energy Partners, Inc.	Transmission Owner
Bielak	Donnie	PJM Interconnection	Not Applicable
Blair	Tom	Monitoring Analytics	None
Bleiweis	Bruce	DC Energy	None
Bowring	Joe	Monitoring Analytics	None
Boyle	Glen	PJM Interconnection	Not Applicable
Braerman	Ken	BGE	None
Brodbeck	John	EDP Renewables North America LLC	Generation Owner
Cao	Roger	PJM Interconnection	Not Applicable
Capra	Carlo	ITC Interconnection LLC	Transmission Owner
Carroll	Rebecca	PJM Interconnection	Not Applicable
Cerchio	Jerry	Monitoring Analytics	None

Chang	Sean	Shell Energy North America (US), L.P.	Other Supplier
Chen	Hong	PJM Interconnection	Not Applicable
Christopher	Mahila	PUCO Ohio	None
Chu	George	PJM Interconnection	Not Applicable
Cocco	Michael	Old Dominion Electric Cooperative	Electric Distributor
Dajewski	Paul	PJM Interconnection	Not Applicable
D'Alessandris	Lou	First Energy	Transmission Owner
Davis	Jim	Dominion Energy Generation Marketing, Inc.	Generation Owner
Davis	Elizabeth	PJM Interconnection	Not Applicable
Derin	Bilge	PJM Interconnection	Not Applicable
DiNicola	Laura	FirstEnergy Solutions Corp.	Transmission Owner
Dolan	James	PJM Interconnection	Not Applicable
Domian	Christin	Duquesne Light Company	Transmission Owner
Downs	Jere	PJM Interconnection	Not Applicable
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Egan	Amanda	PJM Interconnection	Not Applicable
Esterly	Theresa	PJM Interconnection	Not Applicable
Fabiano	Janell	PJM Interconnection	Not Applicable
Fan	Zhenyu	PJM Interconnection	Not Applicable
Ferguson	Mike	Indeck Energy Services, Inc.	Other Supplier
Fernandez	Raymond	PJM Interconnection	Not Applicable
Filomena	Guy	Customized Energy Solutions, Ltd.	None
Fitzpatrick	Brian	PJM Interconnection	Not Applicable
Foladare	Kenneth	Geenex Solar LLC	Generation Owner
Ford	Adrien	Old Dominion Electric Cooperative	Electric Distributor
Gates	Terry	Appalachian Power Company (AEP Generation)	Transmission Owner
Genuario	Gabrielle	PJM Interconnection	Not Applicable
Gilani	Rehan	ConEdison Energy, Inc.	Other Supplier
Glazer	Craig	PJM Interconnection	Not Applicable
Grear	Mark	Exelon Generation Co., LLC	Generation Owner
Greening	Michele	PJM Interconnection	Not Applicable
Greiner	Gary	PSEG Energy Resources and Trade LL	Other Supplier
Guntle	Vince	UGI Development Company	Generation Owner
Hastings	David	PJM Committee Voting Generic Account	None
Hatch	Kevin	PJM Interconnection	Not Applicable
Hoatson	Tom	West Deptford Energy, LLC	Generation Owner

Horning	Lynn	Customized Energy Solutions, Ltd.	None
Horstmann	John	Dayton Power & Light Company	Transmission Owner
Hudis	Gabriella	Jersey Green Energy LLC	Other Supplier
Hyzinski	Tom	GT Power Group, LLC	None
Janicki	Diane	BETM	None
Johnson	Carl	Customized Energy Solutions, Ltd.	None
Keilholtz	Kenneth	GenOn Energy Management, LLC	Generation Owner
Kelly	Stephen	Brookfield Renewable Trading and Marketing LP (BSMH)	Other Supplier
Kilgallen	Kevin	Avangrid Renewables LLC	Generation Owner
Kimmel	David	PJM Interconnection	Not Applicable
Krawczyk	Leslie	ReliabilityFirst	None
Libbos	Robin	First Energy	Transmission Owner
Lowe	Connie	Dominion Virginia Power	Transmission Owner
Mabry	David	McNees Wallace & Nurick LLC	None
Matuszak	Alex	UGI Energy Services, LLC	Other Supplier
McGee	Brandon	Customized Energy Solutions, Ltd.	Not Applicable
McLaverty	Megan	PJM Interconnection	Not Application
Midgley	Sharon	Exelon Business Services Company, LC	Transmission Owner
Monzon	Stephanie	PJM Interconnection	Not Applicable
Murphy	Shaun	PJM Interconnection	Not Applicable
Nix	Emma	Gabel Associates	None
Ondayko	Brock	AEP Energy Partners, Inc. (AEP Gen Resources)	Transmission Owner
Pilong	Christopher	PJM Interconnection	Not Applicable
Pincus	Steve	PJM Interconnection	Not Applicable
Rainey	John	Northern Virginia Electric Cooperative	Electric Distributor
Rodriguez	Tomás	OPSI	None
Rohrbach	John	Southern Maryland Electric Cooperative	Electric Distributor
Rumsey	Amanda	PPL Electric Utilities Corp	Transmission Owner
Salmon	Lisa	PJM Interconnection	Not Applicable
Sasser	Jonathan	Customized Energy Solutions, Ltd.	None
Scarpignato	David	Calpine Energy Services, L.P.	Generation Owner
Sells	Scott	East Kentucky Power Cooperative, Inc.	Transmission Owner
Sillin	John	Federal Energy Regulatory Commission	None
Sims	Ryan	IGS	Not Applicable
Skumanich	Bill	RTR Energy Solutions LLC	None

Souder	David	PJM Interconnection	Not Applicable
Souder	Michelle	PJM Interconnection	Not Applicable
Squibb	Bill	Ohio Valley Electric	Generation Owner
Stefanowicz	Vince	PJM Interconnection	Not Applicable
Stern	Alex	Public Service Electric & Gas Company	Transmission Owner
Stone	Andy	Other	None
Sturgeon	John	Duke Energy Business Services LLC	Transmission Owner
Sullivan	James	Neptune Regional Transmission System, LLC	Transmission Owner
Swalwell	Brad	Tangent Energy Solutions, Inc.	Other Supplier
Sweeney	Rory	GT Power Group, LLC	None
Thomas	Jack	PJM Interconnection	Not Applicable
Tribulski	Jennifer	PJM Interconnection	Not Applicable
Watkin	Erik	PJM Interconnection	Not Applicable
Wehnes	Kathleen	Maryland.gov	Not Applicable
Wisersky	Megan	Madison Gas & Electric Co.	Other Supplier
Yoder	Michael	RTO Insider	None

OC Subcommittee/ Task Force Informational Section

System Operations Subcommittee (SOS): [SOS Website](#)

Data Management Subcommittee (DMS): [DMS Website](#)

Distributed Energy Resources Subcommittee (DERS): [DERS Website](#)

System Restoration Coordinators Subcommittee (SRCS): [SRCS Website](#)

Primary Frequency Response Sr. Task Force (PFRSTF): [PFRSTF Website](#)

Fuel Requirements for Black Start Resources: [Fuel Requirements for Black Start Resources Issue Tracker](#)

Future Meeting Dates

September 3, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
October 8, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
November 6, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
December 3, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx

Author: L. Stella Wahba

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



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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.

Participant Identification in WebEx:

When logging into the WebEx desktop client, please enter your real first and last name as well as a valid email address. Be sure to select the "call me" option. PJM support staff continuously monitors WebEx connections during stakeholder meetings. Anonymous users or those using false usernames or emails will be dropped from the teleconference.

During a Meeting	During an Acclamation Vote
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>*1</p> <p>To enter the question queue (does not work during a vote)</p> </div> <div style="text-align: center;"> <p>*2</p> <p>To be removed from the question queue</p> </div> </div> <div style="text-align: center; margin-top: 20px;"> <p>*0</p> <p>To signal for PJM support staff assistance</p> </div>	<p>Please log in to the voting application at voting.pjm.com, so that you can be registered as the active voter prior to the start of the meeting.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>*7</p> <p>Yes</p> </div> <div style="text-align: center;"> <p>*8</p> <p>No</p> </div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 20px;"> <div style="text-align: center;"> <p>*9</p> <p>Abstain</p> </div> <div style="text-align: center;"> <p>*0</p> <p>To signal for PJM support staff assistance</p> </div> </div>
<h4>Asking A Question</h4> <ul style="list-style-type: none"> Dialing *1 enters you into the question queue; the three dial tones are an auditory indication that you have successfully been placed in the queue. Questions are taken during the meeting when natural breaks occur and are asked in the order they are received. 	
<h4>Linking Teleconference Connection to Webex</h4> <p>When logging in to the meeting, access Webex first and select the "call me" feature to receive a direct call to your phone. Using this feature will connect your name to your Webex presence.</p>	

Join a Meeting	<ol style="list-style-type: none"> Join meeting in the Webex desktop client Enter name (<i>First and Last*</i>) and corporate email Call in to the operator-assisted number
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**Note: Anonymous users or those using false usernames or emails will be dropped from the teleconference.*



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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.