

Operating Committee
WebEx Only
July 15, 2021
9:00 a.m. – 2:00 p.m. EDT

Administration

1. Lauren Strella Wahba, PJM, provided announcements; reviewed the Antitrust, Code of Conduct, Public Meetings/Media Participation, and the WebEx Participant Identification Requirement.
 - a. Reviewed and approved draft minutes from the June 10th OC meeting. **The Committee approved the draft minutes from the June 10, 2021 Operating Committee meeting with 0 objections and 0 abstentions.**
 - b. Reviewed the OC work plan.

Review of Operations

2. PJM COVID-19 Update
Paul McGlynn, 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
Hong Chen, PJM, reviewed the June 2021 PJM operating metrics slides. Metrics will include PJM's load forecast error, BAAL performance, and transmission / generation outage statistics.

Endorsements/

4. Manual 13: Emergency Operations
Brian Oakes, PJM, reviewed Manual 13 changes. **The Operating Committee endorsed by acclimation the changes to Manual 13. There were 0 objections and 0 abstentions.**
5. Non-Firm Transmission Service Preemption Problem Statement and Issue Charge
Jeff McLaughlin, PJM, reviewed a Quick Fix Problem Statement & Issue Charge to modify language in section 14.2 of the OATT related to preemption of non-firm transmission service. The Operating Committee was asked to approve the issue charge and endorse the proposed solution upon first read as part of the Quick Fix process outlined in Section 8.6.1 of Manual 34. The accelerated timeline is necessary to ensure a timely FERC response to the associated 205 filing, and avoid stakeholder exposure to the non-firm preemption process. **The Operating Committee approved by acclimation the Issue Charge and endorsed the proposed solution by acclimation. There were 0 objections and 1 abstention.**

First Reading

6. Sunset of Non-Retail Behind the Meter Generation Business Rules Issue
Terri Esterly, PJM, reviewed the status of the Non-Retail Behind the Meter Generation Business Rules issue worked in the OC. **The Operating Committee will be asked to approve the issue sunset at its next meeting.**
<https://www.pjm.com/committees-and-groups/issue-tracking/issue-tracking-details.aspx?Issue=11f0cd39-9096-45d1-becb-d01ff0b77086>
7. Manual 03A: Energy Management System (EMS) Model Updates and Quality Assurance
Eliseo Carrasco, PJM, reviewed Manual 03A changes. **The Operating Committee will be asked to endorse these changes at its next meeting.**

Informational Updates

8. Fuel Security Update
Patricio Rocha Garrido and Natalie Tacka, PJM, presented further details about the preliminary results of the 2021 Fuel Security analysis.
9. PJM Cybersecurity Education
John Conboy, PJM, provided an overview of how PJM prepares for and responds to cyber-attacks.
10. Order to Show Cause on Real Time Values and Parameter Limited Schedules
Chen Lu, PJM, provided an update on the recent 206 Order on Real Time Values and Parameter Limited Schedules.
11. System Operations Subcommittee (SOS) Report
Paul Dajewski, PJM, provided a summary of the most recent SOS meeting.
12. Solar-Battery Hybrid Resources
Scott Baker, PJM, provided an overview of a solution package developed in the DER and Inverter-based Resources Subcommittee on solar-battery hybrids resources, including a preview of items that will seek endorsement through the Operating Committee.

LUNCH 12:00-12:30

13. Winter Operations Assessment Follow-Up: Load Shed
Paul McGlynn, PJM, provided an update on Load Shed efforts that are part of PJM's Winter Operations Assessment.
14. NERC Project 2019-06 Cold Weather Update
Chris Pilog, PJM, provided a review of the proposed Standards revisions as well as the potential impacts these may have to PJM and generation owners.

15. 2021 Generator Cold Weather Operating Limitations Survey Update

Dan Bennett, PJM, provided a status update on the 2021 Generator Cold Weather Operating Limitations Survey in eDART.

16. Reliability Compliance Update

Becky Davis, PJM, provided an update on NERC, SERC and RFC standards, and other pertinent regulatory and compliance information, and solicited feedback from the members on Reliability Compliance efforts.

Working Items

Informational Only Postings

Attendance

Last Name	First Name	Company	Sector
Carroll (Chair	Rebecca	PJM Interconnection	Not Applicable
Strella Wahba (Secretary)	Lauren	PJM Interconnection	Not Applicable
Advena	Chris	PJM Interconnection	Not Applicable
Anders	David	PJM Interconnection	Not Applicable
Anderson	Jared	S&P Global	None
Baker	Jeff	PJM Connect	None
Barker	Jason	Exelon Business Services Company, LLC	Transmission Owner
Benchek	Jim	First Energy	Transmission Owner
Bennett	Dan	PJM Interconnection	Not Applicable
Berton	Tyler	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Bielak	Donnie	PJM Interconnection	Not Applicable
Brady	George	Ohio Valley Electric Corp	Transmission Owner
Braerman	Ken	BGE	None
Brodbeck	John	EDP Renewables North America LLC	Generation Owner
Bryson	Michael	PJM Interconnection	Not Applicable
Buhler	Thomas	Rockland Electric Company	Transmission Owner
Cao	Roger	PJM Interconnection	Not Applicable
Capra	Carlo	ITC Interconnection LLC	Transmission Owner
Carmean	Gregory	Organization of PJM States, Inc. (OPSI)	Not Applicable
Carrasco	Eliseo	PJM Interconnection	Not Applicable
Chang	Sean	Shell Energy North America (US), L.P.	Other Supplier
Chen	Hong	PJM Interconnection	Not Applicable

Christopher	Mahila	Public Utilities Commission of Ohio	None
Cichowski	Thomas	Duquesne Light Company	Transmission Owner
Conboy	John	PJM Interconnection	Not Applicable
Dajewski	Paul	PJM Interconnection	Not Applicable
D'Alessandris	Lou	FirstEnergy Corporation	Transmission Owner
D'Antonio	Philip	PJM Interconnection	Not Applicable
Davis	Elizabeth	PJM Interconnection	Not Applicable
Davis	Jim	Dominion Energy Generation Marketing, Inc.	Generation Owner
DeGiusto	Vincent	UGI Development Company	Generation Owner
Domian	Christin	Duquesne Light Company	Transmission Owner
Egan	Amanda	PJM Interconnection	Not Applicable
Elkins	Rachel	FirstEnergy Corporation	Transmission Owner
Esterly	Theresa	PJM Interconnection	Not Applicable
Falin	Tom	PJM Interconnection	Not Applicable
Fereshetian	Damon	PJM Interconnection	Not Applicable
Filomena	Guy	Customized Energy Solutions, Ltd.	None
Fink	Regan	Pine Gate Mid-Atlantic, LLC	Other Supplier
Fitzpatrick	Brian	PJM Interconnection	Not Applicable
Foladare	Kenneth	Geenex Solar LLC	Generation Owner
Ford	Adrien	Old Dominion Electric Cooperative	Electric Distributor
Frogg	Darrell	PJM Interconnection	Not Applicable
Gahimer	Mike	IN Office of Utility Consumer Counselor	End-Use Customer
Garnett	Bryan	Duke Energy Ohio, Inc.	Transmission Owner
Gates	Terry	Appalachian Power Company (AEP Generation)	Transmission Owner
Gilani	Rehan	ConEdison Energy, Inc.	Other Supplier
Grear	Mark	Exelon Generation Co., LLC	Generation Owner
Greening	Michele	PJM Interconnection	Not Applicable
Greiner	Gary	PSEG Energy Resources and Trade LL	Other Supplier
Guignet	Doug	PJM Interconnection	Not Applicable
Guntle	Vince	UGI Energy Services, LLC	Other Supplier
Hammack	Matthew	PPL Electric Utilities Corporation	Transmission Owner
Hauske	Tom	PJM Interconnection	Not Applicable
Heisey	Bradley	Wolf Hills Energy, LLC	Generation Owner
Herel	Suzanne	PJM Interconnection	Not Applicable
Hoatson	Tom	West Deptford Energy, LLC	Generation Owner
Hohenshilt	Jennifer	Talen Energy Marketing, LLC	Generation Owner
Hoke	Michael	PJM Interconnection	Not Applicable
Horning	Lynn	Customized Energy Solutions, Ltd.	None

Horstmann	John	Dayton Power & Light Company	Transmission Owner
Hugee	Jacqui	Dominion Energy Generation Marketing, Inc.	Generation
Hyatt	Earl	Monitoring Analytics	None
Hyzinski	Tom	GT Power Group, LLC	None
Iler	Art	Indiana Office of Utility Consumer Counsel	End-Use Consumer
Janicki	Diane	Boston Energy Trading & Marketing, LLC	Other Supplier
Johnson	Carl	Customized Energy Solutions, Ltd.	None
Keenan	Matthew	Jpower USA	None
Kelly	Brendan		
Kelly	Stephen	Brookfield Energy Marketing LP	Other Supplier
Khan	Bakhtawar	Gabel and Associates	None
Kimmel	David	PJM Interconnection	Not Applicable
Krawczyk	Leslie	ReliabilityFirst	None
Levitt	Andrew	PJM Interconnection	Not Applicable
Libbos	Robin	FirstEnergy Corporation	Transmission Owner
Lowe	Connie	Dominion Virginia Power	None
Lu	Chen	PJM Interconnection	Not Applicable
Lynn	Brian	PJM Interconnection	Not Applicable
Mabry	David	McNees Wallace & Nurick LLC	None
Mali	Gizella	PJM Interconnection	Not Applicable
Markiewicz	Cindy	First Energy	None
Mathew	Lagy	PJM Interconnection	Not Applicable
Matuszak	Alex	UGI Energy Services, LLC	Other Supplier
McGlynn	Paul	PJM Interconnection	Not Applicable
McLaughlin	Jeff	PJM Interconnection	Not Applicable
Midgley	Sharon	Exelon Business Services Company, LC	Transmission Owner
Monzon	Stephanie	PJM Interconnection	Not Applicable
Mulhern	Joe	PJM Interconnection	Not Applicable
Oakes	Brian	PJM Interconnection	Not Applicable
Olaley	Michael	PJM Interconnection	Not Applicable
Ondayko	Brock	AEP Energy Partners, Inc. (AEP Gen Resources)	Transmission Owner
Pilong	Christopher	PJM Interconnection	Not Applicable
Pincus	Steve	PJM Interconnection	Not Applicable
Poulos	Greg	CAPS	Not Applicable
Rainey	John	Northern Virginia Electric Cooperative	Electric Distributor
Rocha-Garrido	Patricio	PJM Interconnection	Not Applicable
Sasser	Jonathan	Customized Energy Solutions, Ltd.	None

Scarpignato	David	Calpine Energy Services, L.P.	Generation Owner
Schmitt	Jeffery	PJM Interconnection	Not Applicable
Schweizer	David	PJM Interconnection	Not Applicable
Smith	Kara	Buckeye Power, Inc.	Electric Distributor
Sillin	John	FERC	None
Sotkiewicz	Paul	E-Cubed Policy Associates	Not Applicable
Souder	Michelle	PJM Interconnection	Not Applicable
Souder	Rich	PJM Interconnection	Not Applicable
Stefanowicz	Vince	PJM Interconnection	Not Applicable
Stern	Alex	Public Service Electric & Gas Company	Transmission Owner
Stone	Andy	PJM Interconnection	Not Applicable
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	None
Tacka	Natalie	PJM Interconnection	Not Applicable
Tam	Simon	PJM Interconnection	Not Applicable
Thomas	Jack	PJM Interconnection	Not Applicable
Thorsen	Michael		
Tribulski	Jennifer	PJM Interconnection	Not Applicable
Whitehead	Jeff	GT Power Group	None
Wilson	James	Wilson Energy Economics	None
Wisersky	Megan	Madison Gas & Electric Company	Other Supplier
Yang	Zoe	PG Renewables	
Yoder	Michael	RTO Insider	None
Zhang	Michael	PJM Interconnection	Not Applicable

OC Subcommittee/ Task Force Informational Section

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


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

DER & Inverter-Based Resources Subcommittee (DIRS): [DIRS Website](#)

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

Synchronous Reserve Deployment Task Force: [SRDTF Website](#)

IROL – CIP Cost Recovery: [IROL – CIP Cost Recovery Issue Tracker](#)

Future Meeting Dates and Materials			Materials Due to Secretary 	Materials Published
Date	Time	Location	5 p.m.	4 p.m.
August 12, 2021	9 a.m.	WebEx	August 2, 2021	August 5, 2021
September 10, 2021	9 a.m.	WebEx	August 31, 2021	September 3, 2021
October 07, 2021	9 a.m.	WebEx	September 27, 2021	September 30, 2021
November 04, 2021	9 a.m.	WebEx	October 25, 2021	October 28, 2021
December 02, 2021	9 a.m.	WebEx	November 22, 2021	November 24, 2021

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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.

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; margin-top: 20px;"> <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; 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>
<p>Asking A Question</p> <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. 	
<p>Linking Teleconference Connection to Webex</p> <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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 Visit learn.pjm.com, an easy-to-understand resource about the power industry and PJM's role.