

Operating Committee
PJM Conference & Training Center, Audubon, PA
October 7, 2022
9:00 a.m. – 2:00 p.m. EDT

**Operator assisted phone lines will be opened 30 minutes prior to the start of the meeting. Due to the high volume of remote participation, stakeholders are asked to connect early to allow additional time for operator queue processing.*

Administration

1. Jeff McLaughlin, 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 September 8 OC meeting. **The Committee approved the draft minutes from the September 8, 2022 Operating Committee meeting with 0 objections and 0 abstentions.**
 - b. Reviewed of the OC work plan.

Review of Operations

2. PJM COVID-19 Update
Paul McGlynn, PJM, reviewed 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 September 2022 PJM operating metrics slides. Metrics included PJM's load forecast error, BAAL performance, and transmission / generation outage statistics.
4. Security Update
Zeenath Fernandes, PJM, provided a security briefing.

Endorsements/Approvals

5. Manual 3A: Energy Management System Model Updates & Quality Assurance
Jeff Schmitt, PJM, reviewed Manual 3A changes as a part of the periodic review.
The Operating Committee endorsed the changes to Manual 3A with 0 objections and 0 abstentions.
6. Renewable Dispatch
A review of the joint PJM/IMM solution package will be performed for the Renewable Dispatch issue as part of the CBIR process.
[Issue Tracking: Renewable Dispatch](#)
The Operating Committee endorsed the proposed solution with 0 objections and 1 abstention.

First Reading

7. Winter Weekly Reserve Target Update
Andrew Gledhill, PJM, review the results of the 2022/23 Winter Weekly Reserve Target (WWRT) analysis.
The Operating Committee will be asked to endorse the results at its next meeting.
8. Manual 03: Transmission Operations
Lagy Mathew, PJM, reviewed Manual 03 changes as a part of the periodic review.
The Operating Committee will be asked to endorse these changes at its next meeting.
9. Manual 10: Pre-Scheduling Operations
Darrell Frogg, PJM, reviewed Manual 10 changes as a part of the periodic review.
The Operating Committee will be asked to endorse these changes at its next meeting.
10. Manual 14D: Generator Operational Requirements
Darrell Frogg, PJM, reviewed Manual 14D changes as a part of the periodic review.
The Operating Committee will be asked to endorse these changes at its next meeting.
11. Manual 13: Emergency Operations
Chris Pilog, PJM, reviewed conforming changes to Manual 13 associated with the Max Emergency Changes for Resource Limitation Reporting issue endorsed by the OC on September 8, 2022.
The Operating Committee will be asked to endorse these changes at its next meeting.
[Issue Tracking: Max Emergency Changes for Resource Limitation Reporting](#)

Additional Items

12. PPL Dynamic Line Rating Implementation Update
Dave Hislop, PJM, provided an update on the implementation of the PPL Dynamic Line Rating.
13. Order 881 Update
Dave Hislop, PJM, provided an update on Order 881 efforts.
14. Status Update on Circuit Court Remand
Pauline Foley, PJM, provided a status update on the circuit court remand related to challenges to solution-based DFAX cost allocation.
15. Intelligent Reserve Deployment Update
Mike Zhang, PJM, provided an update on Intelligent Reserve Deployment (IRD).
16. Cold Weather Preparation Update
Lauren Strella Wahba, PJM, reviewed Generation Resource Cold Weather Preparation activities.

17. Fuel Supply Overview

Brian Fitzpatrick, PJM, provided an overview of current fuel supply issues.

18. Fuel Requirements for Black Start Resources

Tom Hauske and Dave Kimmel, PJM, reviewed revisions to Manual 27: Open Access Transmission Tariff Accounting, Manual 12: Balancing Operations, Manual 14D: Generator Operational Requirements and Schedule 6A of the OATT for the Fuel Requirements for Black Start Resources. These revisions conform with the PJM/Brookfield/DCOPC proposal, which was endorsed with 76% support in the offline MIC/OC vote. The proposal and these revisions are scheduled for a vote at the October 24 MRC meeting.

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

Informational Only Postings

19. Reliability Compliance Update

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

20. System Operations Subcommittee (SOS)

Donnie Bielak, PJM, provided a summary of the most recent SOS meeting.

21. NERC Lessons Learned

Kevin Hatch, PJM, reviewed the latest posted NERC Lessons Learned reports.

~~22. Fuel and Energy Security Update~~

~~Natalie Tacka, PJM, will provide an update on the Fuel and Energy Security initiative.~~

23. PJM Summer Operations

An informational presentation is available with today's meeting materials on PJM Summer Operations performance. Donnie Bielak will be available to answer any questions.

Attendance

Last Name	First Name	Company	Sector
Phillips (Chair)	Darlene	PJM Interconnection	None
McLaughlin (Secretary)	Jeffrey	PJM Interconnection	None
Afelumo	Foluso	PJM Interconnection	None
Aguiar	Fabiano	Storm Power, LLC	Other Supplier
Anders	David	PJM Interconnection	None

baizman	aaron	PJM Interconnection	None
Baker	Jeff	Duke Energy Ohio, Inc.	Transmission Owner
Barker	Jason	Constellation Energy Generation, LLC	Generation Owner
Beban	Madalyn	PJM Interconnection	None
Bennett	Daniel	PJM Interconnection	None
Bickel	Todd	PJM Interconnection	None
Boyle	Glen	PJM Interconnection	None
Boyle	Sean	Constellation Energy Generation, LLC	Generation Owner
Bradley	Gregg		
Brady	George	Ohio Valley Electric Corp	Transmission Owner
Braerman	Kenneth	Baltimore Gas and Electric Company	Transmission Owner
Breeding	Michael	PJM Interconnection	None
Brodbeck	John	EDP Renewables North America, LLC	Generation Owner
Brown	Richard	PJM Interconnection	None
Bryson	Mike	PJM Interconnection	None
Burkholder	Joshua	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Capra	Carlo	ITC Interconnection, LLC	Transmission Owner
Carmean	Gregory	OPSI	None
Carrasco	Eliseo	PJM Interconnection	None
Carroll	Rebecca	PJM Interconnection	None
Chang	Sean	Shell Energy North America (US), L.P.	Other Supplier
Chen	Hong	PJM Interconnection	None
Christopher	Mahila	Public Utilities Commission of Ohio	None
Chu	George	PJM Interconnection	None
ciabattoni	joe	PJM Interconnection	None
Circelli	Roseanne	Public Service Electric & Gas Company	Transmission Owner
Cocco	Michael	Old Dominion Electric Cooperative	Electric Distributor
Corash	Richard	PSEG Energy Resources & Trade LLC	Other Supplier
Cox	Jason	Dynegy Power Marketing, Inc.	Generation Owner
Croop	Danielle	PJM Interconnection	None
D'Antonio	Phil	PJM Interconnection	None
Daugherty	Danielle	ReliabilityFirst	None
Davis	Elizabeth	PJM Interconnection	None
Davis	Jim	Dominion Energy Generation Marketing, Inc.	Generation Owner

Derin	Bilge	PJM Interconnection	None
Domian	Christin	Duquesne Light Company	Transmission Owner
Downs	Jere	PJM Interconnection	None
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Dumitriu	Nick	PJM Interconnection	None
Egan	Amanda	PJM Interconnection	None
Elkins	Rachel	FirstEnergy Corporation	Transmission Owner
Everngam	Scott	The Federal Energy Regulatory Commission	None
Fabiano	Janell	PJM Interconnection	None
Fan	Zhenyu	PJM Interconnection	None
Fernandes	Zeenath	PJM Interconnection	None
Filomena	Guy	Customized Energy Solutions, Ltd.	None
Fink	Regan	Pine Gate Mid-Atlantic, LLC	Other Supplier
Fitzpatrick	Brian	PJM Interconnection	None
Foladare	Kenneth	Geenex Solar LLC	Generation Owner
Foley	Pauline	PJM Interconnection	None
Ford	Adrien	Old Dominion Electric Cooperative	Electric Distributor
franks	christine	PJM Interconnection	None
Frogg	Darrell	PJM Interconnection	None
Fuess	Christian	PBF Power Marketing, LLC	Generation Owner
Gledhill	Andrew	PJM Interconnection	None
Gorman	Brad	FirstEnergy Corporation	Transmission Owner
Guignet	Doug	PJM Interconnection	None
Guntle	Vince	American PowerNet Management	End-Use Customer
Hammack	Matt	PPL Electric Utilities Corporation	Transmission Owner
Hatch	Kevin	PJM Interconnection	None
Hauske	David	PJM Interconnection	None
Hauske	Tom	PJM Interconnection	None
Herrera	Maria	PJM Interconnection	None
Hislop	David	PJM Interconnection	None
Hoang	Liem	PJM Interconnection	None
Hoatson	Thomas	Riverside Generating, LLC	Generation Owner
Hohenshilt	Jennifer	Talen Energy Marketing, LLC	Generation Owner
Horning	Lynn	Customized Energy Solutions, Ltd.	None

Hsia	Eric	PJM Interconnection	None
Hurwich	Mark	Elliott Bay Energy Trading, LLC	Other Supplier
Hyatt	Earl	Monitoring Analytics	None
Hyzinski	Tom	GT Power Group, LLC	None
Idzior	John	ReliabilityFirst	None
Iler	Art	Indiana Office of Utility Consumer Counsel	End-Use Customer
James	Solon	DC Energy, LLC	Other Supplier
Janicki	Diane	Boston Energy Trading & Marketing, LLC	Other Supplier
Jardot	Gina	NRG Power Marketing, LLC	Generation Owner
Jarrah	Danny	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Johnson	Carl	Customized Energy Solutions, Ltd.	None
Johnston	Dave	Indiana Utility Regulatory Commission	None
Jones	Scott	Indiana Office of Utility Consumer Counsel	End-Use Customer
Kelly	Stephen	Brookfield Energy Marketing LP	Other Supplier
Kent	Janessa	Duquesne Light Company	Transmission Owner
Kimmel	David	PJM Interconnection	None
Kogut	George	New York Power Authority	Other Supplier
Lai	Erin	PJM Interconnection	None
Lake	David	FirstEnergy Corporation	Transmission Owner
Lee	Ray	PJM Interconnection	None
Leith Yessian	Devin	RTO Insider	None
Mabry	David	McNees Wallace & Nurick LLC	None
Mali	Gizella	PJM Interconnection	None
Mathew	Lagy	PJM Interconnection	None
Matticola	Michele	PJM Interconnection	None
McElwee	Steve	PJM Interconnection	None
McGlynn	Paul	PJM Interconnection	None
McLaverty	Megan	PJM Interconnection	None
Midgley	Sharon	Exelon Business Services Company, LC	Transmission Owner
Moretti	Andrea	PJM Interconnection	None
Mulhern	Joseph	PJM Interconnection	None
Ondayko	Brock	Appalachian Transmission Company, Inc.	Transmission Owner
Patel	Anita	PJM Interconnection	None
Patel	Shodhan	Constellation Energy Generation, LLC	Generation Owner

Peebles	Andy	Saracen Energy East LP	Other Supplier
Pilong	Christopher	PJM Interconnection	None
Pincus	Steve	PJM Interconnection	None
Poulos	Greg	CAPS	None
Proconiar	Jason	Buckeye Power, Inc.	Electric Distributor
Pungaliya	Rajat	Pine Gate Mid-Atlantic, LLC	Other Supplier
Rainey	John	Northern Virginia Electric Cooperative	Electric Distributor
Ramsay	Eli	PJM Interconnection	None
Rocha Garrido	Patricio	PJM Interconnection	None
Romero Luna	Joel	Monitoring Analytics	None
Rutledge	Craig	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Sasser	Jonathan	Customized Energy Solutions, Ltd.	None
Schroeder	Connie	Dominion Virginia Power	Transmission Owner
Servera	Max	Unicia Energy LP	Other Supplier
Shaughnessy	Mike	Duquesne Light Company	Transmission Owner
Shields	Jeffrey	PJM Interconnection	None
Sotkiewicz	Paul	E-Cubed Policy Associates	None
Souder	Michelle	PJM Interconnection	None
STACK	JAMES	Duquesne Light Company	Transmission Owner
Stanisz	Mark	PJM Interconnection	None
Starkov	Stefan	PJM Interconnection	None
Steinbacher	Rich	Rockland Electric Company	Transmission Owner
Stemetzki	Michael	PJM Interconnection	None
Stern	Alex	Public Service Electric & Gas Company	Transmission Owner
Stone	Andy	PJM Interconnection	None
strella wahba	lauren	PJM Interconnection	None
Sturgeon	John	Duke Energy Business Services LLC	Transmission Owner
Svenson	Heather	Public Service Electric & Gas Company	Transmission Owner
Swalwell	Brad	Tangent Energy Solutions, Inc.	Other Supplier
Tam	Simon	PJM Interconnection	None
Terranova	Christopher	PJM Interconnection	None
Wehnes	Kathleen	Maryland Public Service Commission	None
Wharton	Matthew	PJM Interconnection	None
Whitehead	Jeff	GT Power Group	None

Wilson	James	Wilson Energy Economics	None
Yasutake	Sarah		
Yoo	Kyungjin	None	None
Yovanovich	Laura	PJM Interconnection	None
Zhang	Michael	PJM Interconnection	None

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](#)

Dynamic Line Rating Task Force: [DLRTF 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.
November 3, 2022	9 a.m.	PJM Conference & Training Center and WebEx	October 24, 2022	October 27, 2022
December 8, 2022	9 a.m.	PJM Conference & Training Center and WebEx	November 28, 2022	December 1, 2022

Author: Jeffrey McLaughlin

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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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>	

<h2>Join a Meeting</h2>	<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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