

Operating Committee
PJM Conference & Training Center, Audubon, PA
November 3, 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. 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 October 7 OC meeting. **The Committee approved the draft minutes from the October 7, 2022 Operating Committee meeting with 0 objections and 0 abstentions**
 - b. Reviewed the OC work plan.

Review of Operations

- X. Pete Langbein, PJM, provided an overview of the inadvertent DR activation from October 26, 2022. [DR Subzone Definition](#)
2. Review of Operating Metrics
Stephanie Schwarz, PJM, reviewed the October 2022 PJM operating metrics slides. Metrics included PJM's load forecast error, BAAL performance, and transmission / generation outage statistics.
3. Security Update
Steve McElwee, PJM, provided a security briefing.

Endorsements/Approvals

4. Winter Weekly Reserve Target Update
Patricio Rocha Garrido, PJM, reviewed the results of the 2022/23 Winter Weekly Reserve Target (WWRT) analysis.
The Operating Committee endorsed the winter weekly reserve target for the 2022/2023 winter with 0 objections and 0 abstentions.
5. Manual 03: Transmission Operations
Dean Manno, PJM, reviewed Manual 03 changes as a part of the periodic review.
The Operating Committee endorsed the changes to Manual 03 with 0 objections and 0 abstentions.

6. Manual 10: Pre-Scheduling Operations

Darrell Frogg, PJM, reviewed Manual 10 changes as a part of the periodic review.

The Operating Committee endorsed the changes to Manual 10 with 0 objections and 0 abstentions.

Manual 14D: Generator Operational Requirements

Darrell Frogg, PJM, reviewed Manual 14D changes as a part of the periodic review.

The Operating Committee endorsed the changes to Manual 14D with 0 objections and 4 abstentions.

7. 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 endorsed the changes to Manual 13 with 26 objections and 0 abstentions.

[Issue Tracking: Max Emergency Changes for Resource Limitation Reporting](#)

8. Synchronized Reserve Event Actions and Expectations Issue Charge

Mike Zhang, PJM, provided a brief review of the [update](#) on the recent FERC rejection of the filed IRD proposal presented at the October OC, and a first read of the modified Issue Charge for the Synchronized Reserve Event Actions and Expectations issue.

The Operating Committee approved the Issue Charge with 0 objections and 1 abstention.

First Reading

9. Manual 02: Transmission Service Request

Jeff McLaughlin, PJM, reviewed proposed revisions to Manual 02. These are clarifying changes related to the Internal Network Integration Transmission Service (NITS) Process issue, as well as administrative cleanup.

The Operating Committee will be asked to endorse these changes at its next meeting.

10. PJM's Regional Transmission and Energy Scheduling Practices document

Jeff McLaughlin, PJM, reviewed proposed revisions to the Regional Transmission and Energy Scheduling Practices document. These changes are in support of the NAESB version 3.3 Business Practice Standards, as well as administrative cleanup.

The Operating Committee will be asked to endorse these changes at its next meeting.

11. IROL-CIP Cost Recovery Issue Charge (11:20 – 11:40)

Joe Bowring, Monitoring Analytics, will review proposed amendments to the IROL-CIP Issue Charge.

The Operating Committee will be asked to approve the Issue Charge at its next meeting.

[Issue Tracking: IROL-CIP Cost Recovery](#)

12. System Operation Subcommittee Charter

Lagy Mathew, PJM, reviewed proposed revisions to the SOS Charter as a part of the periodic review.

The Operating Committee will be asked to approve these changes at its next meeting.

Additional Items

11. IROL-CIP Cost Recovery Issue Charge
Joe Bowring, Monitoring Analytics, presented a proposed amendments to the IROL-CIP Issue Charge.
[Issue Tracking: IROL-CIP Cost Recovery](#)
 13. Fuel and Energy Security Update
Natalie Furtaw, PJM, provided an update on the Fuel and Energy Security initiative.
 14. OATF Review
Todd Bickel, PJM, reviewed the results of the winter 2022 Operations Assessment Task Force study.
 15. Fuel Supply Overview
Brian Fitzpatrick, PJM, provided an overview of current fuel supply issues.
- Load Management Performance Summary
Jack O'Neill, PJM, reviewed the Load Management and PRD Performance Report for 2021/2022.

Working Items

Informational Only Postings

16. Reliability Compliance Update
Informational posting on NERC, SERC, RF, and NAESB standards, and other pertinent regulatory and compliance information, and solicit feedback from the members on Reliability Compliance efforts.
17. System Operations Subcommittee (SOS)
Informational posting of the summary of the most recent SOS meeting.
18. Manual 03 Attachment E
The [Manual 03 Attachment E: Automatic Sectionalizing Schemes Pending Approval and Recent Changes](#) document has been posted on OASIS as of Friday, October 14.

Attendance

Last Name	First Name	Company	Sector
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Phillips (Chair)	Darlene	PJM Interconnection	None
Strella Wahba (Secretary)	Lauren	PJM Interconnection	None
Advena	Chris	PJM Interconnection	None
Aguilar	Fabiano	Strom Power	Other Supplier
Anders	Dave	PJM Interconnection	None
Aung	Thinzar	PJM Interconnection	None
Baizman	Aaron	PJM Interconnection	None
Baker	Jeff	Duke Energy Ohio, Inc.	Transmission Owner
Barker	Jason	Constellation Energy Generation, LLC	Generation Owner
Beblo	Olivia		
Benchek	Jim	American Transmission Systems, Inc.	Transmission Owner
Bennett	Dan	PJM Interconnection	None
Bickel	Todd	PJM Interconnection	None
Bielak	Donnie	PJM Interconnection	None
Bleiweis	Bruce	DC Energy LLC	Other Supplier
Bowring	Joe	Monitoring Analytics	None
Boyle	Glen	PJM Interconnection	None
Braerman	Kenneth	Baltimore Gas and Electric Company	Transmission Owner
Breeding	Michael	PJM Interconnection	None
Bresler	Stu	PJM Interconnection	None
Brown	Rich	PJM Interconnection	None
Bryson	Mike	PJM Interconnection	None
Callis	Joe	PJM Interconnection	None
Cao	Roger	PJM Interconnection	None
Carroll	Rebecca	PJM Interconnection	None
Chang	Sean	Shell Energy North America (US), L.P.	Other Supplier
Chmielewski	Brian	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	Rich	PSEG Energy Resources & Trade LLC	Other Supplier
Curtis	Kenneth	Drilling Info, Inc.	None
D'Antonio	Philip	PJM Interconnection	None
Dajewski	Paul	PJM Interconnection	None
Daugherty	Danielle	ReliabilityFirst	None
Davis	Elizabeth	PJM Interconnection	None
Davis	Jim	Dominion Energy Generation Marketing, Inc.	Generation Owner
Domian	Christin	Duquesne Light Company	Transmission Owner


Downs	Jere	PJM Interconnection	None
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Egan	Amanda	PJM Interconnection	None
Elkins	Rachel	FirstEnergy Corporation	Transmission Owner
Fabiano	Janell	PJM Interconnection	None
Fan	Zhenyu	PJM Interconnection	None
Fereshetian	Damon	PJM Interconnection	None
Filomena	Guy	Customized Energy Solutions, Ltd.	None
Fitzpatrick	Brian	PJM Interconnection	None
Foladare	Kenneth	Geenex Solar LLC	Generation Owner
Ford	Adrien	Old Dominion Electric Cooperative	Electric Distributor
Frogg	Darrell	PJM Interconnection	None
Gagen	Roderick	Dominion Virginia Power	None
Gates	Terry	Appalachian Power Company (AEP Generation)	Transmission Owner
Gilani	Rehan	ConEdison Energy, Inc.	Other Supplier
Gluck	Jim	PJM Interconnection	None
Gorman	Brad	FirstEnergy Corporation	Transmission Owner
Hastings	David	Market Interconnection Consulting Services (MICS)	None
Hatch	Kevin	PJM Interconnection	None
Hauske	David	PJM Interconnection	None
Hauske	Tom	PJM Interconnection	None
Hehir	Flannan	Appian Way Energy Partners MidAtlantic, LLC	Other Supplier
Hepplewhite	Peter	Wrigley Capital LLC	Other Supplier
Herrera	Maria	PJM Interconnection	None
Hislop	Dave	PJM Interconnection	None
Hoatson	Thomas	Riverside Generating, LLC	Generation Owner
Hoey	Edward	PJM Interconnection	None
Hohenshilt	Jennifer	Talen Energy Marketing, LLC	Generation Owner
Horning	Lynn	Customized Energy Solutions, Ltd.	None
Horstmann	John	Dayton Power & Light Company	Transmission Owner
Hsia	Eric	PJM Interconnection	None
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
Janicki	Diane	Boston Energy Trading & Marketing, LLC	Other Supplier
Jardot	Gina	NRG Power Marketing, LLC	Generation Owner

Jarrah	Danny	PPL Electric Utilities Corporation	Transmission Owner
Jett	Bill	Duke Energy Business Services LLC	Transmission Owner
Johnston	Dave	Indiana Utility Regulatory Commission	None
Kalaskar	Rahul	AES Ohio Generation, LLC	Generation Owner
Kelly	Stephen	Brookfield Energy Marketing LP	Other Supplier
Kent	Janessa	Duquesne Light Company	Transmission Owner
Kilgallen	Kevin	Avangrid Renewables LLC	Generation Owner
Kogut	George	New York Power Authority	Other Supplier
Koz	Brian		
Lake	David	FirstEnergy Corporation	Transmission Owner
Langbein	Pete	PJM Interconnection	None
Lee	Ray	PJM Interconnection	None
Leith Yessian	Devin	RTO Insider	None
Libbos	Robin	FirstEnergy Corporation	Transmission Owner
Mabry	David	McNees Wallace & Nurick LLC	None
Manno	Dean	PJM Interconnection	None
Mathew	Lagy	PJM Interconnection	None
Matticola	Michele	PJM Interconnection	None
Matuszak	Alex	UGI Energy Services, LLC	Other Supplier
McElwee	Steve	PJM Interconnection	None
McGlynn	Paul	PJM Interconnection	None
McLaughlin	Jeff	PJM Interconnection	None
McLaverty	Megan	PJM Interconnection	None
Midgley	Sharon	Exelon Business Services Company, LC	Transmission Owner
Moretti	Andrea	PJM Interconnection	None
Monzon	Stephanie	PJM Interconnection	None
Mulhern	Joe	PJM Interconnection	None
O'Connell	Moira	PJM Interconnection	None
Okenfuss	James	Savion, LLC	None
Olaley	Michael	PJM Interconnection	None
Ondayko	Brock	AEP Appalachian Transmission Company, Inc.	Transmission Owner
O'Neill	Jack	PJM Interconnection	None
Pacella	Christopher	PJM Interconnection	None
Pakela	Gregory	DTE Energy Trading, Inc.	Other Supplier
Patel	Anita	PJM Interconnection	None
Patel	Shodhan	PJM Interconnection	None
Pilong	Christopher	PJM Interconnection	None
Pilong	Melissa	PJM Interconnection	None
Poulos	Greg	CAPS	None

Ramsay	Eli	PJM Interconnection	None
Rasmussen	Jay	Duke Energy Business Services LLC	Transmission Owner
Rocha-Garrido	Patricio	PJM Interconnection	None
Rohrbach	John	Southern Maryland Electric Cooperative, Inc.	Electric Distributor
Sasser	Jonathan	Customized Energy Solutions, Ltd.	None
Schroeder	Connie	Virginia Electric & Power Company	Transmission Owner
Schwarz	Stephanie	PJM Interconnection	None
Schweizer	David	PJM Interconnection	None
Sloan	Ben	Organization of PJM States, Inc. (OPSI)	None
Sorrels	Jim	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Sotkiewicz	Paul	E-Cubed Policy Associates	None
Souder	Richard	PJM Interconnection	None
Stack	James	Duquesne Light Company	Transmission Owner
Stanisz	Mark	PJM Interconnection	None
Stefanowicz	Vince	PJM Interconnection	None
Stemetzki	Michael	PJM Interconnection	None
Stern	Alex	Public Service Electric & Gas Company	Transmission Owner
Stone	Andy	PJM Interconnection	None
Sturgeon	John	Duke Energy Business Services LLC	Transmission Owner
Sullivan	James	Neptune Regional Transmission System, LLC	Transmission Owner
Summers	Jim	Delmarva Power & Light Company	Electric Distributor
Sweeney	Rory	GT Power Group	None
Furtaw Tacka	Natalie	PJM Interconnection	None
Tam	Simon	PJM Interconnection	None
Terranova	Christopher	PJM Interconnection	None
Tribulski	Jennifer	PJM Interconnection	None
Walcavich	Colin	National Grid Renewables, LLC	None
Walker	Preston	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Wharton	Matthew	PJM Interconnection	None
Watson	Jeanine	PJM Interconnection	None
Whitehead	Jeff	GT Power Group	None
Williams	Nicholas	Public Service Electric & Gas Company	Transmission Owner
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.
December 8, 2022	9 a.m.	PJM Conference & Training Center and WebEx	November 28, 2022	December 1, 2022

Author: Lauren Strella 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 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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