

Operating Committee
Webex Only
August 11, 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 July 14 OC meeting. **The Committee approved the draft minutes from the July 14, 2022 Operating Committee meeting with 0 objections and 0 abstentions.**
 - b. Reviewed the OC work plan.

Review of Operations

2. Review of Operating Metrics
Hong Chen, PJM, reviewed the July 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. Manual 14D: Generator Operational Requirements and Manual 10: Pre-Scheduling Operations
Andrew Levitt, PJM, reviewed conforming changes to Manual 14D and Manual 10 as part of the phase one hybrid resources issue.
[Solar-Battery Hybrid Resources Issue Tracking](#)
The Operating Committee endorsed the changes to Manual 14D and Manual 10 with 0 objections and 0 abstentions.

First Reading

5. Max Emergency Changes for Resource Limitation Reporting
Solution packages were reviewed for the Max Emergency Changes for Resource Limitation Reporting issue as part of the Consensus Based Issue Resolution (CBIR) Lite process.
 - a) Chris Pulong, PJM, reviewed Package A.
 - b) Joel Luna, Monitoring Analytics, reviewed Package B.

The Operating Committee may be asked to endorse the proposed solutions at its next meeting. This vote will be dependent upon additional stakeholder discussion of the proposed solution packages.

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

6. Internal NITS Process

A first read of the solution package was performed for the Internal Network Integration Transmission Service (NITS) Process issue as part of the CBIR Lite process.

The Operating Committee will be asked to endorse the proposed solution at its next meeting.

7. Renewable Dispatch

A first read of the solution package was performed for the Renewable Dispatch issue as part of the CBIR process.

[Issue Tracking: Renewable Dispatch](#)

The Operating Committee will be asked to endorse the proposed solution at its next meeting.

8. IROL-CIP Cost Recovery

A first read of the solution package was performed for the IROL-CIP Cost Recovery issue as part of the CBIR process.

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

The Operating Committee will be asked to endorse the proposed solution at its next meeting.

9. Fuel Requirements for Black Start Resources

A first read of solution packages was performed for the Fuel Requirements and Black Start Resources issue as part of the CBIR process.

a) Janell Fabiano, PJM, provided a brief background on the issue and a review of the unique voting procedure.

b) Dan Bennett, PJM, reviewed Package H (PJM / Brookfield / DCOPC).

c) Joe Bowring, Monitoring Analytics, reviewed Package B (IMM).

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

The Operating Committee will be asked to vote on the proposals after its next meeting via an offline vote in the PJM Voting Application.

10. Manual 14D and Manual 13 Revisions

Vince Stefanowicz, PJM, performed a first read of changes to Manual 14D: Generator Operational Requirements and Manual 13: Emergency Operation. The changes are associated with NERC standards EOP-011 – Emergency Preparedness and Operations, IRO-010 – Reliability Coordinator Data Specification and Collection, and TOP-003 – Operational Reliability Data will be performed.

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

11. Manual 10, Manual 12 and Manual 13 Revisions

David Kimmel, PJM, performed a first read of changes associated with Reserve Price Formation impacting Manual 10: Pre-Scheduling Operations, Manual 12: Balancing Operations and Manual 13: Emergency Operations.

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

12. Manual 39: Nuclear Plant Interface Coordination

Darrell Frogg, PJM, reviewed Manual 39 changes as a part of the periodic review.

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

Additional Items

13. PPL Dynamic Line Rating Implementation Update

Dave Hislop, PJM, provided an update on the implementation of the PPL Dynamic Line Rating.

System Resilience

~~Chris Pilong, PJM, will provide an update on system resilience.~~

Regulation Market Design Senior Task Force Update

~~Michael Herman, PJM, will provide an informational update on the efforts of the Regulation Market Design Senior Task Force (RMDSTF). Meeting materials are posted to the RMDSTF webpage (<https://www.pjm.com/committees-and-groups/task-forces/rmdstf>).~~

Working Items

No working items this month.

Informational Only Postings

14. System Resilience

Chris Pilong, PJM, provided an update on system resilience.

15. Regulation Market Design Senior Task Force Update

Michael Herman, PJM, provided an informational update on the efforts of the Regulation Market Design Senior Task Force (RMDSTF). Meeting materials are posted to the RMDSTF webpage (<https://www.pjm.com/committees-and-groups/task-forces/rmdstf>).

16. System Operations Subcommittee (SOS)

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

17. 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.

Attendance

Last Name	First Name	Company	Sector
McGlynn (Chair)	Paul	PJM Interconnection	None
McLaughlin (Secretary)	Jeffrey	PJM Interconnection	None
Advena	Chris	PJM Interconnection	None
Aguilar	Fabiano	Storm Power, LLC	Other Supplier
Anastasio	Elizabeth	PJM Interconnection	None
Anders	David	PJM Interconnection	None
Anderson	Jared	S&P Global Inc.	None
Baker	Jeff	Duke Energy Ohio, Inc.	Transmission Owner
Barker	Jason	Constellation Energy Generation, LLC	Generation Owner
Barmer	Mike	Dominion Virginia Power	
Benchek	Jim	American Transmission Systems, Inc.	Transmission Owner
Bennett	Dan	PJM Interconnection	None
Berton	Tyler	Appalachian Transmission Company, Inc.	Transmission Owner
Bielak	Donnie	PJM Interconnection	None
Blake	David	FirstEnergy Corporation	Transmission Owner
Bleiweis	Bruce	DC Energy LLC	Other Supplier
Bloodworth	Michelle	America's Power	
Bowring	Joe	Monitoring Analytics	None
Braerman	Ken	Baltimore Gas and Electric Company	Transmission Owner
Brodbeck	John	EDP Renewables North America, LLC	Generation Owner
Brown	Richard	PJM Interconnection	None
Bryson	Michael	PJM Interconnection	None
Callaghan	Chris	PJM Interconnection	None
Callis	Joe	PJM Interconnection	None
Carroll	Rebecca	PJM Interconnection	None
Chen	Hong	PJM Interconnection	None
Chmielewski	Brian	PJM Interconnection	None
Christopher	Mahila	Public Utilities Commission of Ohio	None
Ciabattoni	Joseph	PJM Interconnection	None
Circelli	Roseanne	Public Service Electric & Gas Company	Transmission Owner

Corash	Richard	PSEG Energy Resources & Trade LLC	Other Supplier
Corder	Nicholas	Commonwealth Chesapeake Company, LLC	Generation Owner
Cropley	John	RTO Insider	None
Dajewski	Paul	PJM Interconnection	None
Daly	Meghan	Constellation Energy Generation, LLC	Generation Owner
D'Antonio	Phil	PJM Interconnection	None
Daugherty	Danielle	ReliabilityFirst	None
Davis	Becky	PJM Interconnection	None
Degiusto	Vince	UGI Development Company	Generation Owner
Dent	Duane	PJM Interconnection	None
Derin	Bilge	PJM Interconnection	None
Ding	Jenny	DC Energy LLC	Other Supplier
Domian	Christin	Duquesne Light Company	Transmission Owner
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Egan	Amanda	PJM Interconnection	None
Ericson	Christine	Illinois Commerce Commission	None
Fabiano	Janell	PJM Interconnection	None
Fitzpatrick	Bryan	PJM Interconnection	None
Filomena	Guy	Customized Energy Solutions, Ltd.	None
Foladare	Ken	Geenex Solar LLC	Generation Owner
Ford	Adrien	Old Dominion Electric Cooperative	Electric Distributor
Foster Cronin	Denise	East Kentucky Power Cooperative, Inc.	Transmission Owner
Frogg	Darrell	PJM Interconnection	None
Fuess	Christian	PBF Power Marketing, LLC	Generation Owner
Gagen	Roderick	Dominion Virginia Power	None
Garnett	Bryan	Duke Energy Ohio, Inc.	Transmission Owner
Gebele	Don	Dayton Power & Light Company	Transmission Owner
Gilani	Rehan	ConEdison Energy, Inc.	Other Supplier
Gonzalez	Adrian	PJM Interconnection	None
Greening	Michele	PJM Interconnection	None
Greiner	Gary	American PowerNet Management	End-Use Customer
Guntle	Vince	American PowerNet Management	End-Use Customer

Hammack	Matthew	PPL Electric Utilities Corporation	Transmission Owner
Hastings	David	Market Interconnection Consulting Services	None
Hatch	Kevin	PJM Interconnection	None
Hauske	Thomas	PJM Interconnection	None
Heidorn	Rich	RTO Insider	None
Hepplewhite	Peter	Wrigley Capital LLC	Other Supplier
Herman	Michael	PJM Interconnection	None
Herrera	Maria	PJM Interconnection	None
Hislop	David	PJM Interconnection	None
Hoatson	Tom	Riverside Generating, LLC	Generation Owner
Hohenshilt	Jennifer	Talen Energy Marketing, LLC	Generation Owner
Horning	Lynn	Customized Energy Solutions, Ltd.	None
Horstmann	John	Dayton Power & Light Company	Transmission Owner
Hurwitz	Mark	Elliott Bay Energy Trading, LLC	Other Supplier
Hyatt	Earl	Monitoring Analytics	None
Hyzinski	Tom	GT Power Group, LLC	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 Corporation	Transmission Owner
Johnson	Carl	Customized Energy Solutions, Ltd.	None
Johnston	David	Indiana Utility Regulatory Commission	None
Jones	Scott	Indiana Office of Utility Consumer Counsel	End-Use Customer
Kalahkar	Rahul	AES Ohio Generation, LLC	Generation Owner
Kazerooni	Hamid	PJM Interconnection	None
Keenan	Matthew	Jpower USA	None
Kelly	Ross	PJM Interconnection	None
Kelly	Stephen	Brookfield Energy Marketing LP	Other Supplier
Kilgallen	Kevin	Avangrid Renewables LLC	Generation Owner
Kimmel	David	PJM Interconnection	None
Kogut	George	New York Power Authority	Other Supplier

Kudryazcseva	Viktoriya	Gen IV Investment Opportunities, LLC	Other Supplier
Lai	Erin	PJM Interconnection	None
Lee	Ray	PJM Interconnection	None
Levitt	Andrew	PJM Interconnection	None
Liang-Nicol	Cecilia	Monongahela Power Company	Transmission Owner
Libbos	Robin	FirstEnergy Corporation	Transmission Owner
Luna	Joel	Monitoring Analytics	None
Lynn	Brian	PJM Interconnection	None
Mabry	David	McNees Wallace & Nurick LLC	None
Mali	Gizella	PJM Interconnection	None
Marzewski	Skyler	PJM Interconnection	None
Matticola	Michele	PJM Interconnection	None
Matuszak	Alex	UGI Energy Services, LLC	Other Supplier
McClelland	Maura	Public Utilities Commission of Ohio	None
McElwee	Steve	PJM Interconnection	None
McGill	Susan	PJM Interconnection	None
Midgley	Sharon	Exelon Business Services Company, LC	Transmission Owner
Mohler	Eina	PJM Interconnection	None
Moretti	Andrea	PJM Interconnection	None
Morris	John	RTO Insider	None
Muhl	Nancy	PJM Interconnection	None
Mulhern	Joseph	PJM Interconnection	None
Nichols	Ross	Invenergy, LLC	Generation Owner
Okenfuss	James	Savion, LLC	None
Olaleye	Michael	PJM Interconnection	None
Ondayko	Brock	Appalachian Transmission Company, Inc.	Transmission Owner
Pakela	Gregory	DTE Energy Trading, Inc.	Other Supplier
Panchal	Hitesh	PJM Interconnection	None
Patel	Shodhan	Constellation Energy Generation, LLC	Generation Owner
Pilong	Chris	PJM Interconnection	None
Pincus	Steven	PJM Interconnection	None
Poulos	Greg	CAPS	None
Price	Mark	DC Energy Mid-Atlantic, LLC	None

Pungaliya	Rajat	Pine Gate Renewables	Other Supplier
Rainey	John	Northern Virginia Electric Cooperative	Electric Distributor
Rasmussen	Jay	Duke Energy Business Services LLC	Transmission Owner
Robinson	Becky	Vista Energy Marketing, L.P.	Other Supplier
Rogers	Aaron	East Kentucky Power Cooperative, Inc.	Transmission Owner
Rohrbach	John	Southern Maryland Electric Cooperative, Inc.	Electric Distributor
Rosenberger	Eric	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Rutledge	Craig	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Sasser	Jonathan	Customized Energy Solutions, Ltd.	None
Schroeder	Connie	Dominion Virginia Power	
Schweizer	David	PJM Interconnection	None
Sells	Scott	East Kentucky Power Cooperative, Inc.	Transmission Owner
Servera	Max	Unicia Energy LP	Other Supplier
Sotkiewicz	Paul	E-Cubed Policy Associates	None
Souder	Michelle	PJM Interconnection	None
Souder	Rich	PJM Interconnection	None
Stack	James	Duquesne Light Company	Transmission Owner
Stanisz	Mark	PJM Interconnection	None
Stefanowicz	Vincent	PJM Interconnection	None
Stemetzki	Mike	PJM Interconnection	None
Stern	Alex	Public Service Electric & Gas Company	Transmission Owner
Stone	Andy	Gabel Associates	None
Sturgeon	John	Duke Energy Business Services LLC	Transmission Owner
Sullivan	James	Neptune Regional Transmission System, LLC	Transmission Owner
Svenson	Heather	Public Service Electric & Gas Company	Transmission Owner
Swalwell	Brad	Tangent Energy Solutions, Inc.	Other Supplier
Sweeney	Rory	GT Power Group	None
Tacka	Natalie	PJM Interconnection	None
Tam	Simon	PJM Interconnection	None
Wehnes	Kathleen	Maryland Department of the Environment	None

Wharton	Matthew	PJM Interconnection	None
Whitehead	Jeff	GT Power Group	None
Wittenauer	Steve	PJM Interconnection	None
Yovanovich	Laura	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
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](#)

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.
September 8, 2022	9 a.m.	PJM Conference & Training Center and WebEx	August 29, 2022	September 1, 2022
October 7, 2022	9 a.m.	PJM Conference & Training Center and WebEx	September 27, 2022	September 30, 2022
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.

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>	

<h2>Join a Meeting</h2>	<ol style="list-style-type: none"> 1. Join meeting in the Webex desktop client 2. Enter name (<i>First and Last*</i>) and corporate email 3. Call in to the operator-assisted number
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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.