

Operating Committee
PJM Conference & Training Center, Audubon, PA
June 9, 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.

Vince Stefanowicz, PJM, provided updates on eDART Data Requests, including changes to the bi-weekly data request, a new CEJA-related Data Request, and a reminder about the ongoing Cold Weather Operating Limit Data Request.

- a. Reviewed and approved draft minutes from the May 12th OC meeting. **The Committee approved the draft minutes from the May 12, 2022 Operating Committee meeting with 0 objections and 0 abstentions.**
- b. Reviewed of the OC work plan.
- c. Amanda Egan, PJM reviewed an upcoming change to PJM's Voting Application which will go-live on June 15th.

Review of Operations

2. Review of Operating Metrics
Stephanie Schwarz, PJM, reviewed the May 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 01: Control Center and Data Exchange Requirements
Jack O'Neill, PJM, reviewed conforming changes to Manual 01: Control Center and Data Exchange Requirements as a part of the Load Management Testing Requirements Issue Charge and Problem Statement.
[Load Management Testing Requirements](#)
The Operating Committee endorsed the changes to Manual 01 with 0 objections and 0 abstentions.

First Reading

5. Internal NITS Process

Susan McGill, PJM, reviewed a proposed Issue Charge and Problem Statement that will clarify and enhance the processes related to internal Network Integration Transmission Service (NITS).

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

6. Max Emergency Changes for Resource Limitation Reporting

a) Chris Piong, PJM, presented a first read of Package A addressing the Max Emergency Changes for Resource Limitation Reporting matrix as a part of the Consensus Based Issue Resolution Lite process.

b) Joel Luna, Monitoring Analytics, presented a first read of Package B addressing the Max Emergency Changes for Resource Limitation Reporting matrix as a part of the Consensus Based Issue Resolution Lite process.

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

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

6A. Manual 14D: Generator Operational Requirements

Dave Egan, PJM, reviewed changes to Manual 14D: Generator Operational Requirements as a part of the Deactivation Analysis Period quick fix process.

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

[Deactivation Analysis Period](#)

Additional Items

7. Upcoming Filing Related to EPA Proposed Rule

Gary Helm, PJM, provided stakeholders with an update about PJM's intent to file comments in response to the Environmental Protection Agency's proposed rule on the Federal Implementation Plan Addressing Regional Ozone Transport for the 2015 Ozone National Ambient Air Quality Standard regarding emission of nitrogen oxides from generating units. (Docket EPA-HQ-OAR-2021-0668)

8. Managing Transmission Line Ratings Order No. 881 Compliance Filing (RM20-16-000) Update

David Hislop, PJM, and Bilge Derin, PJM, provided an informational update regarding PJM's FERC Order No. 881 compliance efforts relating to ambient adjusted ratings. Although subject to continued discussion and revision, PJM has also posted a draft of the proposed Tariff language that will be filed as part of PJM's July 12, 2022 Order No. 881 compliance filing.

[Order 881](#)

9. PPL Dynamic Line Rating Implementation Update

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

10. Synchronous Reserve Event Actions and Expectations Update

Ilyana Dropkin, PJM, provided an update on the SRDTF activities.

[SRDTF Website](#)

11. Regulation Performance Update
Ilyana Dropkin, PJM, provided an update on PJM regulation market performance.
12. Primary Frequency Response Update
Ross Kelly, PJM, provided an update on PJM primary frequency response performance.
13. Synchronous Reserve Update
~~— Dave Kimmel, PJM, will provide a review of recent synchronous reserve performance.~~
This item was moved to the Informational Only Postings section.
14. Reliability Compliance Update
Becky Davis, PJM, provided an abbreviated update on NERC, SERC, RF, and NAESB standards, and other pertinent regulatory and compliance information. The update was abbreviated in the interest of time, and as a result, an updated slide deck was posted to reflect additional detail for the topics that were not verbally presented.
15. Outage Coordination
Paul McGlynn, PJM, provided an update on the approach and timeline for working the outage coordination Issue Charge approved at the May OC meeting.

Working Items

16. Renewable Dispatch
Janell Fabiano, PJM, facilitated a discussion to identify solution options and review solution packages on the Renewable Dispatch matrix as part of the Consensus Based Issue Resolution process.
[Issue Tracking: Renewable Dispatch](#)

IROL-CIP Cost Recovery
First reading of the IROL-CIP Cost Recovery solution package(s) was deferred until the July OC meeting.

Informational Only Postings

17. System Operations Subcommittee (SOS)
Donnie Bielak, PJM, provided a summary of the most recent SOS meeting.
13. Synchronous Reserve Update
Dave Kimmel, PJM, provided a review of recent synchronous reserve performance.

Attendance

Last Name	First Name	Company	Sector
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McGlynn (Chair)	Paul	PJM Interconnection	None
McLaughlin (Secretary)	Jeffrey	PJM Interconnection	None
Abdur-Rahman	Muhsin	ABB Enterprise Software Inc.	None
Advena	Chris	PJM Interconnection	None
Aguilar	Fabiano	Storm Power, LLC	Other Supplier
Anastasio	Elizabeth	PJM Interconnection	None
Anders	David	PJM Interconnection	None
Baker	Jeff	Duke Energy Ohio, Inc.	Transmission Owner
Barker	Jason	Constellation Energy Generation, LLC	Generation Owner
Barnett	Paul	Silver Run Electric, LLC	Transmission Owner
Beblo	Olivia		
Benchek	Jim	American Transmission Systems, Inc.	Transmission Owner
Bennett	Dan	PJM Interconnection	None
Berton	Tyler	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Bielak	Donnie	PJM Interconnection	None
Bleiweis	Bruce	DC Energy LLC	Other Supplier
Bowring	Joe	Monitoring Analytics	None
Boyle	Glen	PJM Interconnection	None
Braerman	Ken	Baltimore Gas and Electric Company	Transmission Owner
Brodbeck	John	EDP Renewables North America, LLC	Generation Owner
Callaghan	Chris	PJM Interconnection	None
Callis	Joe	PJM Interconnection	None
Capra	Carlo	ITC Interconnection, LLC	Transmission Owner
Carroll	Rebecca	PJM Interconnection	None
Chang	Sean	Shell Energy North America (US), L.P.	Other Supplier
Circelli	Roseanne	Public Service Electric & Gas Company	Transmission Owner
Clark	Alden	DC Energy LLC	Other Supplier
Colaesi	Chandra	Cpower Energy Management	None
Corash	Richard	PSEG Energy Resources & Trade LLC	Other Supplier
Dadourian	John	Monitoring Analytics	None

Dajewski	Paul	PJM Interconnection	None
Dantonio	Phil	PJM Interconnection	None
Davis	Elizabeth	PJM Interconnection	None
Degiusto	Vince	UGI Development Company	Generation Owner
Derin	Bilge	PJM Interconnection	None
Domian	Christin	Duquesne Light Company	Transmission Owner
Dropkin	Ilyana	PJM Interconnection	None
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Egan	Amanda	PJM Interconnection	None
Egan	David	PJM Interconnection	None
Elkins	Rachel	FirstEnergy Corporation	Transmission Owner
Ellis	Dean	Dynegy Marketing and Trade, LLC	Generation Owner
Fabiano	Janell	PJM Interconnection	None
Fernandez	Ray	PJM Interconnection	None
Fhemk	Jessica		
Fitzpatrick	Brian	PJM Interconnection	None
Foladare	Ken	Geenex Solar LLC	Generation Owner
Forcum	David	Duke Energy Ohio, Inc.	Transmission Owner
Foster Cronin	Denise	East Kentucky Power Cooperative, Inc.	Transmission Owner
Franks	Chris	PJM Interconnection	None
Frogg	Darrell	PJM Interconnection	None
Gilani	Rehan	ConEdison Energy, Inc.	Other Supplier
Goodstein	Jon	DC Energy, LLC	Other Supplier
Greiner	Gary	American PowerNet Management	End-Use Customer
Guntle	Vince	American PowerNet Management	End-Use Customer
Hammack	Matthew	PPL Electric Utilities Corporation	Transmission Owner
Hatch	Kevin	PJM Interconnection	None
Hehir	Flannan	Appian Way Energy Partners MidAtlantic, LLC	Other Supplier
Helm	Gary	PJM Interconnection	None
Hepplewhite	Peter	Wrigley Capital LLC	Other Supplier
Hicks	Dave	Noble Americas Energy Solutions LLC	None
Hislop	David	PJM Interconnection	None
Hoatson	Tom	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
Hull	Gerit	American Municipal Power, Inc.	Electric Distributor
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
Jardot	Gina	NRG Power Marketing, LLC	Generation Owner
Johnson	Carl	Customized Energy Solutions, Ltd.	None
Johnston	David	Indiana Utility Regulatory Commission	None
Josyula	Siva	Monitoring Analytics	None
Kalaskar	Rahul	AES Ohio Generation, LLC	Generation Owner
Keenan	Matthew	Jpower USA	None
Kelly	Ross	PJM Interconnection	None
Kelly	Stephen	Brookfield Energy Marketing LP	Other Supplier
Kent	Janessa	Duquesne Light Company	Transmission Owner
Kilgallen	Kevin	Avangrid Renewables LLC	Generation Owner
Kimmel	David	PJM Interconnection	None
Kogut	George	New York Power Authority	Other Supplier
Kudryavtseva	Viktoriya	Gen IV Investment Opportunities, LLC	Other Supplier
Lai	Erin	PJM Interconnection	None
Lee	Ray	PJM Interconnection	None
Liang-Nicol	Cecilia	Monongahela Power Company	Transmission Owner
Libbos	Robin	FirstEnergy Corporation	Transmission Owner
Lieberman	Steve	American Municipal Power, Inc.	Electric Distributor
Luna	Joel	Monitoring Analytics	None
Lynch	Jessica	PJM Interconnection	None
Mabry	David	McNeese Wallace & Nurick LLC	None
Mali	Gizella	PJM Interconnection	None
Matufzak	Alex	UGI Energy Services, LLC	Other Supplier

McGill	Susan	PJM Interconnection	None
McLavery	Megan	PJM Interconnection	None
Midgley	Sharon	Exelon Business Services Company, LC	Transmission Owner
Nader	Jordan	RunnerStone, LLC	None
Neubrandner	Kerry	DC Energy Mid-Atlantic, LLC	Other Supplier
O' Neill	Jack	PJM Interconnection	None
Okenfuss	James	Savion, LLC	None
O'Leary	Chris	PSEG Energy Resources & Trade LLC	Other Supplier
Ondayko	Brock	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Pakela	Gregory	DTE Energy Trading, Inc.	Other Supplier
Patel	Shodhan	Constellation Energy Generation, LLC	Generation Owner
Peebles	Andy	Saracen Energy East LP	Other Supplier
Phillips	Darlene	PJM Interconnection	None
Pilch	Joe	Duquesne Light Company	Transmission Owner
Filomena	Guy	Customized Energy Solutions, Ltd.	None
Pilong	Chris	PJM Interconnection	None
Pincus	Steven	PJM Interconnection	None
Price	Mark	DC Energy Mid-Atlantic, LLC	None
Procuriar	Jason	Buckeye Power, Inc.	Electric Distributor
Ramsey	James	Suffolk Fund LLC	None
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
Scarpiganato	David	Calpine Energy Services, L.P.	Generation Owner
Schroeder	Connie		
Schwarz	Stephanie	PJM Interconnection	None
Schweizer	David	PJM Interconnection	None

Sells	Scott	East Kentucky Power Cooperative, Inc.	Transmission Owner
Shaughnpsy	Mike	Duquesne Light Company	Transmission Owner
Sloan	Ben	Organization of PJM States, Inc. (OPSI)	None
Sotkiewicz	Paul	E-Cubed Policy Associates	None
Souder	Richard	PJM Interconnection	None
Spatafore	Julia	PJM Interconnection	None
Stadelmeyer	Rebecca	PJM Interconnection	None
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	PJM Interconnection	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
Swigonski	Frank	Advanced Energy Economy, Inc.	None
Tam	Simon	PJM Interconnection	None
Velumyllum	Ganesh	Bright Night Power	None
Whicehead	Jeff	GT Power Group	None
Yoder	Michael	RTO Insider	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](#)

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.
July 14, 2022	9 a.m.	PJM Conference & Training Center and WebEx	July 1, 2022	July 7, 2022
August 11, 2022	9 a.m.	PJM Conference & Training Center and WebEx	August 1, 2022	August 4, 2022
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.

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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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