

Operating Committee  
PJM Conference & Training Center, Audubon, PA  
July 14, 2022  
9:00 a.m. – 3:00 p.m. EDT

## Administration

1. Jeff McLaughlin, PJM, provided announcements; review the Antitrust, Code of Conduct, Public Meetings/Media Participation, and the WebEx Participant Identification Requirement.
  - a. Reviewed and approved draft minutes from the June 9 OC meeting.
  - 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 AEP Load Shed Events  
Donnie Bielak, PJM, reviewed the AEP load shed events and related operational impacts that occurred during the week of June 13.
4. Review of Operating Metrics  
Stephanie Schwarz and Joe Mulhern, PJM, reviewed the June 2022 PJM operating metrics slides. Metrics will include PJM's load forecast error, BAAL performance, and transmission / generation outage statistics.
5. Security Update  
Steve McElwee, PJM, provided a security briefing.

## Endorsements/Approvals

6. 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 approved the Issue Charge with 0 objections and 0 abstentions.**
7. 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. During a review of these quick fix revisions, stakeholders raised a concern over the transparency of the Reliability Must Run (RMR) process. As a result, an informational slide deck has been posted under this agenda item to provide detail and clarity to the RMR process.  
[Deactivation Analysis Period](#)

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

## First Reading

### 8. Max Emergency Changes for Resource Limitation Reporting

As a result of changes made to the proposed solution packages, as well as the additional education being provided under part (a) below, another first read of solution packages was performed.

- a) Seth Schwartz, Energy Ventures Analysis, provided education via a presentation of 'US Coal Markets and the Current Coal Supply Shortage'. This education was sponsored by EKPC.
- b) Chris Pulong, PJM, reviewed Package A addressing the Max Emergency Changes for Resource Limitation Reporting matrix as part of the Consensus Based Issue Resolution Lite process.
- c) Joel Luna, Monitoring Analytics, reviewed Package B addressing the Max Emergency Changes for Resource Limitation Reporting matrix as 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](#)

### 9. 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.

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

[Solar-Battery Hybrid Resources Issue Tracking](#)

## Additional Items

### 10. PPL Dynamic Line Rating Implementation Update

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

### 11. Review of recent FERC NOPR

Simon Tam, PJM, will summarize the recently issued FERC Notice of Public Rulemaking (Docket Nos. RM22-16-000 / AD21-13-000) directing RTOs/ISOs to file a one-time informational report on policy/processes for performing extreme weather vulnerability assessments.

## Working Items

### 12. Internal NITS Process

Susan McGill, Jeff McLaughlin and Julia Spatafore, PJM, provided education on various aspects of internal NITS processes as part of the CBIR Lite process. A CBIR matrix containing a preliminary set of interests and design components was also be posted for informational purposes.

### 13. Renewable Dispatch

Paul McGlynn, 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](#)

## Informational Only Postings

### 11. Review of recent FERC NOPR

Simon Tam, PJM, summarized the recently issued FERC Notice of Public Rulemaking (Docket Nos. RM22-16-000 / AD21-13-000) directing RTOs/ISOs to file a one-time informational report on policy/processes for performing extreme weather vulnerability assessments.

### 14. System Operations Subcommittee (SOS)

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

### 15. Administrative Update to Manual 03: Transmission Operations

A list of pending approval & recent changes to "Manual 03: Transmission Operations, Attachment E: Automatic Sectionalizing Schemes" has been provided in the posted meeting materials. This list has also been posted on OASIS under System Information. Dean Manno, PJM, was available to address any stakeholder questions.

### 16. Reliability Compliance Update

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

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

On July 12, 2022 PJM made its Order No. 881 compliance filing related to ambient adjusted ratings. SMEs were available to answer any questions related to the filing.

[Order 881](#)

## Attendance

Last Name	First Name	Company	Sector
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
Anders	David	PJM Interconnection	None

Baker	Laura	Stone, Mattheis, Xenopoulos & Brew, PC	None
Barker	Jason	Constellation Energy Generation, LLC	Generation Owner
Barmer	Mike	Dominion Virginia Power	
Barnett	Paul	Silver Run Electric, LLC	Transmission Owner
Beban	Madalyn	PJM Interconnection	None
Benchek	Jim	American Transmission Systems, Inc.	Transmission Owner
Berton	Tyler	Appalachian Transmission Company, Inc.	Transmission Owner
Bielak	Donnie	PJM Interconnection	None
Bleiweis	Bruce	DC Energy LLC	Other Supplier
Bloodworth	Michelle	America's Power	
Boyle	Glen	PJM Interconnection	None
Brady	George	Ohio Valley Electric Corp	Transmission Owner
Brouillette	Kyle	Indiana Municipal Power Agency	Electric Distributor
Bryson	Mike	PJM Interconnection	None
Burnley	Helen	PJM Interconnection	None
Cao	Roger	PJM Interconnection	None
Carmean	Gregory	OPSI	None
Carroll	Rebecca	PJM Interconnection	None
Chang	Sean	Shell Energy North America (US), L.P.	Other Supplier
Chen	Hong	PJM Interconnection	None
Chintapalli	Raj	BP Energy Company	Other Supplier
Chmielewski	Brian	PJM Interconnection	None
Christopher	Mahila	Public Utilities Commission of Ohio	None
Chu	George	PJM Interconnection	None
CIRCELLI	ROSEANNE	Public Service Electric & Gas Company	Transmission Owner
Conklin	Tyler	Public Utilities Commission of Ohio	None
Corash	Rich	PSEG Energy Resources & Trade LLC	Other Supplier
Coyne	Suzanne	PJM Interconnection	None
Crews	David	East Kentucky Power Cooperative, Inc.	Transmission Owner
Croop	Danielle	PJM Interconnection	None
D'Antonio	Phil	PJM Interconnection	None

dadourian	john	Monitoring Analytics	None
Daugherty	Danielle	ReliabilityFirst	None
De Salvo	Russell	Commonwealth Edison Company	Transmission Owner
Derin	Bilge	PJM Interconnection	None
DeVita	Thomas	PJM Interconnection	None
Diiorio	Michelle	Public Service Electric & Gas Company	Transmission Owner
Domian	Christin	Duquesne Light Company	Transmission Owner
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Dumitriu	Nick	PJM Interconnection	None
Egan	Amanda	PJM Interconnection	None
Egan	David	PJM Interconnection	None
Fabiano	Janell	PJM Interconnection	None
fan	zhenyu	PJM Interconnection	None
Fazio-Engelhart	Danielle	Noble Americas Gas & Power Corp.	Other Supplier
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
Foster Cronin	Denise	East Kentucky Power Cooperative, Inc.	Transmission Owner
franks	christine	PJM Interconnection	None
Frogg	Darrell	PJM Interconnection	None
Gates	Jill	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
Grey	Bruce		
Guignet	Doug	PJM Interconnection	None
Guntle	Vince	American PowerNet Management	End-Use Customer
Hammack	Matt	PPL Electric Utilities Corporation	Transmission Owner
Hanley	Maria	The Federal Energy Regulatory Commission	None
Hatch	Kevin	PJM Interconnection	None
Haugh	Mike	Office of the Ohio Consumers' Counsel	End-Use Customer

Hauske	David	PJM Interconnection	None
Hauske	Tom	PJM Interconnection	None
Heidorn Jr.	Rich	RTO Insider	None
Heisey	Brad	Wolf Hills Energy, LLC	Generation Owner
Hepplewhite	Peter	Wrigley Capital LLC	Other Supplier
Herel	Suzanne	PJM Interconnection	None
Hislop	David	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
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
James	Solon	DC Energy, LLC	Other Supplier
Janicki	Diane	Boston Energy Trading & Marketing, LLC	Other Supplier
Jardot	Gina	NRG Power Marketing, LLC	Generation Owner
Jett	Bill	Duke Energy Business Services LLC	Transmission Owner
Johnson	Carl	Customized Energy Solutions, Ltd.	None
Johnston	Dave	Indiana Utility Regulatory Commission	None
Jones	Ryan	Allegheny Electric Cooperative, Inc.	Electric Distributor
Josyula	Siva	Monitoring Analytics	None
Kalaskar	Rahul	AES Ohio Generation, LLC	Generation Owner
Kazerooni	Hamid	PJM Interconnection	None
Kelly	Ross	PJM Interconnection	None
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
Kumar	N	SIG Energy, LLLP	Other Supplier
Lai	Erin	PJM Interconnection	None
Lake	David	FirstEnergy Corporation	Transmission Owner
Lawson	Ryen	Dominion Virginia Power	None



Lee	Ray	PJM Interconnection	None
Levitt	Andrew	PJM Interconnection	None
libbos	robin	FirstEnergy Corporation	Transmission Owner
Lieberman	Steven	American Municipal Power, Inc.	Electric Distributor
Lin	Dave	Citadel FNGE Ltd.	Other Supplier
Lockwood	Dan	PJM Interconnection	None
Luna	Joel	Monitoring Analytics	None
Lynn	Brian	PJM Interconnection	None
Mabry	David	McNees Wallace & Nurick LLC	None
Mali	Gizella	PJM Interconnection	None
Mathew	Lagy	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
McGovern	Jason	PJM Interconnection	None
McLavery	Megan	PJM Interconnection	None
Midgley	Sharon	Exelon Business Services Company, LC	Transmission Owner
Miller	John		
Morelli	Lisa	PJM Interconnection	None
Moscovitz	Daniel	PJM Interconnection	None
Muhl	Nancy	PJM Interconnection	None
Mulhern	Joseph	PJM Interconnection	None
Nader	Jordan	RunnerStone, LLC	None
Nix	Emma	Gable and Associates	None
Norris	john		
Okenfuss	James	Savion, LLC	None
Olaleye	Michael	PJM Interconnection	None
OLEary	Chris	PSEG Energy Resources & Trade LLC	Other Supplier
Olinger	Robert	Gen Ops, LLC	Other Supplier
Ondayko	Brock	Appalachian Transmission Company, Inc.	Transmission Owner
Pakela	Gregory	DTE Energy Trading, Inc.	Other Supplier


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
Pilong	Melissa	PJM Interconnection	None
Pincus	Steven	PJM Interconnection	None
Poulos	Gregory	CAPS	None
Price	Mark	DC Energy Mid-Atlantic, LLC	None
Proconiar	Jason	Buckeye Power, Inc.	Electric Distributor
Raghavan	Vijay	BioUrga Trading LLC	Other Supplier
Rainey	John	Northern Virginia Electric Cooperative	Electric Distributor
Ramsey	James	Suffolk Fund LLC	None
Robinson	Becky	Vista Energy Marketing, L.P.	Other Supplier
Rohrbach	John	Southern Maryland Electric Cooperative, Inc.	Electric Distributor
Rosenberger	Eric	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Ruck	Andrew	Freepoint Commodities LLC	Other Supplier
Rutigliano	Tom	Achieving Equilibrium LLC	None
Sasser	Jonathan	Customized Energy Solutions, Ltd.	None
Scarp	David	Calpine Energy Services, L.P.	Generation Owner
Schmitt	David	New Jersey Board of Public Utilities	None
Schroeder	Connie		
Schwartz	Seth	Energy Ventures Analysis	None
Schwarz	Stephanie	PJM Interconnection	None
Schweizer	David	PJM Interconnection	None
Sells	Scott	East Kentucky Power Cooperative, Inc.	Transmission Owner
Shields	Jeffrey	PJM Interconnection	None
Sloan	Ben	Organization of PJM States, Inc. (OPSI)	None
Souder	Rich	PJM Interconnection	None
Spatafore	Julia	PJM Interconnection	None
Stadelmeyer	Rebecca	PJM Interconnection	None
Stair	Kyle	UGI Utilities, Inc.	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
Svenson	Heather	Public Service Electric & Gas Company	Transmission Owner
Swalwell	Brad	Tangent Energy Solutions, Inc.	Other Supplier
Sweeney	Rory	GT Power Group	None
Tam	Simon	PJM Interconnection	None
Tiemann	Jeff	PJM Interconnection	None
Tribulski	Jennifer	PJM Interconnection	None
Walcavich	Colin	National Grid Renewables, LLC	None
Ward	Michael	PJM Interconnection	None
Welch	Shawn	Doral LLC	None
Whitehead	Jeff	GT Power Group	None
widom	stuart	PJM Interconnection	None
Wilson	James	Wilson Energy Economics	None
Wray	Gizelle	Solar Energy Industries Association	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.
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



# Draft Meeting Minutes

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

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### 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.

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During a Meeting	During an Acclamation Vote
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p><b>*1</b></p> <p>To enter the question queue (does not work during a vote)</p> </div> <div style="text-align: center;"> <p><b>*2</b></p> <p>To be removed from the question queue</p> </div> </div> <div style="text-align: center; margin-top: 20px;"> <p><b>*0</b></p> <p>To signal for PJM support staff assistance</p> </div>	<p>Please log in to the voting application at <a href="http://voting.pjm.com">voting.pjm.com</a>, 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><b>*7</b></p> <p>Yes</p> </div> <div style="text-align: center;"> <p><b>*8</b></p> <p>No</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;"> <p><b>*9</b></p> <p>Abstain</p> </div> <div style="text-align: center;"> <p><b>*0</b></p> <p>To signal for PJM support staff assistance</p> </div> </div>
<h3>Asking A Question</h3> <ul style="list-style-type: none"> <li>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.</li> <li>Questions are taken during the meeting when natural breaks occur and are asked in the order they are received.</li> </ul>	
<h3>Linking Teleconference Connection to Webex</h3> <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>	



# Draft Meeting Minutes

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