

Operating Committee  
Webex/ PJM Conference & Training Center  
February 8, 2024  
9:00 a.m. – 12:00 p.m. EPT

## Administration (9:00-9:10)

1. Vy Le, 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 January 11, 2023 OC meeting.  
**The draft minutes from January 11, 2024 were approved with 0 objection and 0 abstentions.**
  - b. Reviewed the 2024 OC work plan.

## Endorsements/Approvals (9:10 – 9:50)

2. Manual 38: Operations Planning (9:10 – 9:20)  
Liem Hoang, PJM, reviewed Manual 38 changes as a part of the periodic review.  
**Operating Committee endorsed these changes with 0 objections and 0 abstentions.**
3. Manual 40: Training and Certification Requirements (9:20 – 9:30)  
Ben Miller, PJM, reviewed Manual 40 changes as a part of the periodic review.  
**Operating Committee endorsed these changes with 0 objections and 0 abstentions.**
4. Manual 3A: Energy Management System (EMS) Model Updates and Quality Assurance (QA) (9:30 – 9:40)  
Eliseo Carrasco, PJM, provided an overview of proposed changes to Manual 3A to align with NERC's BES definition.  
**Operating Committee endorsed these changes with 0 objections and 0 abstentions.**
5. TO/TOP Matrix Review (9:40 – 9:50)  
Gizella Mali, PJM, reviewed Version #18 of the TO/TOP Matrix as a part of the periodic review.  
**Operating Committee endorsed these changes with 0 objections and 0 abstentions.**

## First Read (9:50 – 10:10)

6. Manual 12: Balancing Operations (9:50 – 10:00)  
Frank Hartman, PJM, reviewed Manual 12 changes as a part of the periodic review.  
The Operating Committee will be asked to endorse these changes at its next meeting.
7. Manual 37: Reliability Coordination (10:00 – 10:10)  
Liem Hoang, PJM, reviewed Manual 37 changes as a part of the periodic review and changes for FAC-011 and FAC-014.  
The Operating Committee will be asked to endorse these changes at its next meeting.

## Review of Operations (10:10– 10:55)

8. Review of Operating Metrics (10:10 – 10:50)  
January 2024 PJM operating metrics slides.
  - a. Stephanie Schwarz, PJM, reviewed metrics which include PJM's load forecast error, BAAL performance, and transmission / generation outage statistics.
  - b. Scott Benner, PJM, reviewed the operational flexibility metrics.
9. Security Update (10:50 – 10:55)  
Jim Gluck, PJM, provided a security briefing.

## Additional Items (10:55 – 12:00)

10. Reliability Compliance Update (10:55 – 11:00)  
Gizella Mali, PJM, provided an overview on NERC, SERC, RF, and NAESB standards, and other pertinent regulatory and compliance information, and solicit feedback from the members on Reliability Compliance efforts.
11. Cold Weather Update (10:50 – 12:00)  
PJM Staff provided an operational review of Winter Storm Gerri.

## Working Items

None

## Informational Only Postings

12. System Operations Subcommittee (SOS)  
Informational posting of the summary of the most recent SOS meeting.
13. Parameter Adjustment Requests  
Informational posting of the parameter adjustment request process and deadline.
14. Fast-Start Capable Requests  
Informational posting of the Fast-Start Capable request process and deadline.
15. PPL DLR Comments  
On January 17, 2024, in Docket No. AD22-5-000, PJM filed [supplemental comments](#) relating to the implementation of dynamic line ratings ("DLR"). PJM's supplemental comments address three points: they (1) supplement PJM's prior point about DLR's potential real-time system optimization and reliability benefits based on observations about DLR's impact on a transmission line during Winter Storm Elliott, (2) elaborate on PJM's prior proposed DLR deployment criteria, and (3) encourage the industry generally (and participants like regional transmission organizations, individually, where appropriate) to develop a DLR application guide to transparently identify DLR deployment criteria and experiences

## Attendance

## In-Person Attendance

Last Name	First Name	Company	Sector
Patel (Facilitator)	Anita	PJM Interconnection, LLC	None
Le (Secretary)	Vy	PJM Interconnection, LLC	None
Anders	Dave	PJM Interconnection, LLC	None
Anderson	Bob	Tenaska	Generation Owner
Arkatin	Tyler	PJM Interconnection, LLC	None
Benner	Scott	PJM Interconnection, LLC	None
Bielak	Donnie	PJM Interconnection, LLC	None
Bryson	Mike	PJM Interconnection, LLC	None
Carrasco	Eliseo	PJM Interconnection, LLC	None
Connolly	Matthew	PJM Interconnection, LLC	None
Dantonio	Phil	PJM Interconnection, LLC	None
Davis	Elizabeth	PJM Interconnection, LLC	None
Fitzpatrick	Brian	PJM Interconnection, LLC	None
Fultz	McClain	PPL Electric Utilities Corp. dba PPL Utilities (LSE)	Transmission Owner
Gluck	Jim	PJM Interconnection, LLC	None
Greening	Michele	PJM Interconnection, LLC	None
Hartman	Frank	PJM Interconnection, LLC	None
Hatch	Kevin	PJM Interconnection, LLC	None
Kerecman	Joseph	Calpine Energy Services, L.P.	Other Supplier
Kimmel	David	PJM Interconnection, LLC	None
Kirk	Steven	NextEra Energy Marketing, LLC	Other Supplier

Kogut	George	New York Power Authority	Other Supplier
Lacek	Mollie	PJM Interconnection, LLC	None
Lai	Erin	PJM Interconnection, LLC	None
Lee	Ray	PJM Interconnection, LLC	None
LeithYessian	Devin	RTOInsider	None
Mason	Gary	FirstEnergy Solutions Corp.	Transmission Owner
McElwee	Steve	PJM Interconnection, LLC	None
Miller	Ben	PJM Interconnection, LLC	None
Moscovitz	Daniel	PJM Interconnection, LLC	None
Mulhern	Joe	PJM Interconnection, LLC	None
Oakes	Brian	PJM Interconnection, LLC	None
Pacella	Chris	PJM Interconnection, LLC	None
Philips	Darlene	PJM Interconnection, LLC	None
Pilong	Christopher	PJM Interconnection, LLC	None
Scarpignato	David	Calpine Energy Services, L.P.	Other Supplier
Schwarz	Steph	PJM Interconnection, LLC	None
Scott	Nicole	PJM Interconnection, LLC	None
Smith	Marcus	PJM Interconnection, LLC	None
Souder	Dave	PJM Interconnection, LLC	None
Sweeney	Rory	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Zhang	Michael	PJM Interconnection, LLC	None
<b>Webex Attendance</b>			

Advena	Chris	PJM Interconnection, LLC	None
Ament	Todd	Cube Hydro Partners, LLC	Generation Owner
Anders	David	PJM Interconnection, LLC	None
Anderson	Juliet	Constellation	Generation Owner
Arkatin	Tyler	PJM Interconnection, LLC	None
Bagot	Nancy	Other	
Baizman	Aaron	PJM Interconnection, LLC	None
Barker	Jason	Vitol, Inc.	Generation Owner
Beblo	Olivia	Duquesne Light Company	Transmission Owner
Bennett	Daniel	PJM Interconnection, LLC	None
Bernabeu	Emanuel	PJM Interconnection, LLC	None
Bloodworth	Michelle	America's Power	Not Applicable
Boyle	Glen	PJM Interconnection, LLC	None
Braerman	Ken	Baltimore Gas & Electric	Transmission Owner
Breeding	Michael	PJM Interconnection, LLC	None
Brodbeck	John	EDP Renewables North America LLC	Generation Owner
Brown	Rich	PJM Interconnection, LLC	None
Bryson	Michael	PJM Interconnection, LLC	None
Buonomo	Steven	PPL Electric Utilities Corp. dba PPL Utilities (LSE)	Transmission Owner
Callen	Zachary	Illinois Commerce Commission	None
Canchi	Devendra	Monitoring Analytics	N/A
Cao	Roger	PJM Interconnection, LLC	None

Chang	Sean	Shell Energy North America (US), L.P.	Other Supplier
Chen	Hong	PJM Interconnection, LLC	None
Chintapalli	Raj	BP Energy Company.	Other Supplier
Chmielewski	Brian	PJM Interconnection, LLC	None
Christopher	Mahila	Public Utilities Commission of Ohio (The)	None
Chu	George	PJM Interconnection, LLC	None
Connell	Jason	PJM Interconnection, LLC	None
Corash	Richard	PSEG Energy Resources and Trade LLC	Other Supplier
Cronin	Denise	East Kentucky Power Cooperative,. Inc	Transmission Owner
Croop	Danielle	PJM Interconnection, LLC	None
Curtis	Kenneth	Drilling Info, Inc.	None
D'Antonio	Phil	PJM Interconnection, LLC	None
Dajewski	Paul	PJM Interconnection, LLC	None
Daugherty	Danielle	Reliability First	None
Davis	James (Jim)	Dominion Energy Generation Marketing, Inc.	Generation Owner
De La Mora	Luis	Storm Power LLC.	Other Supplier
DeGiusto	Vince	UGI Utilities, Inc.	Transmission Owner
DeSalvo	Vince	Commonwealth Edison Company	Transmission Owner
DiDonato	Anthony	PJM Interconnection, LLC	None
DiMartino	Denise	PJM Interconnection, LLC	None

Ding	Yi	PJM Interconnection, LLC	None
Downs	Jere	PJM Interconnection, LLC	None
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Dumitriu	Nick	PJM Interconnection, LLC	None
Egan	Amanda	PJM Interconnection, LLC	None
Esquivel	Manuel	PJM Interconnection, LLC	None
Fan	Zhenyu	PJM Interconnection, LLC	None
Fereshetian	Damon	PJM Interconnection, LLC	None
Filomena	Guy	Customized Energy Solutions	None
Fink	Sari	MAREC Action	
Foladare	Kenneth (Ken)	Geenex Solar LLC	Other Supplier
Forcum	David	Duke Energy Ohio, Inc.	Transmission Owner
Ford	Adrian	Constellation	Generation Owner
Franks	Christine	PJM Interconnection, LLC	None
Frogg	Darrell	PJM Interconnection, LLC	None
Fuess	Christian	NextPower III US Holdco Inc.	Generation Owner
Fultz	McClain	PPL Electric Utilities Corporation	Transmission Owner
Gagen	Roderick	Dominion Virginia Power	None
Gilani	Rehan	RWE CLEAN ENERGY WHOLESALE SERVICES, INC.	Other Supplier
Gorman	Brad	American Transmission Systems, Inc.	Transmission Owner
Greene	Ben	AEP Energy Partners, Inc. (AEP Gen Resources)	Transmission Owner

Greening	Michele	PJM Interconnection, LLC	None
Guntle	Vince	American PowerNet	End-Use Customer
Hasham	Aine	PJM Interconnection, LLC	None
Hastings	David	Long Island Lighting Company dba LIPA	Other Supplier
Hauske	David	PJM Interconnection, LLC	None
Hess	David		
Hinton	Michael	FP East Capital Partners LLC.	Other Supplier
Hislop	David	PJM Interconnection, LLC	None
Hoang	Liem	PJM Interconnection, LLC	None
Hoatson	Thomas	West Deptford Energy, LLC	Generation Owner
Hohenshilt	Jennifer	Talen Energy Marketing, LLC	Generation Owner
Hooker	Marquette	Dominion Energy	Transmission Owner
Horning	Lynn Marie	American Municipal Power, Inc.	Electric Distributer
Horstmann	John	Dayton Light & Power Company	Transmission Owner
How	Madalin	PJM Interconnection, LLC	None
Hsia	Eric	PJM Interconnection, LLC	None
Hurd	Shawn	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Hyatt	Earl	Monitoring Analytics, LLC	None
Hyzinski	Tom	GT Power Group	None
Iler	Art	Indiana Office of Utility Consumer Counsel	None
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 (LSE)	Transmission Owner
Johnson	Carl	Customized Energy Solutions, Ltd.*	None
Johnston	David	Other	
Jones	Scott	Other	
Kelly	Ross	PJM Interconnection, LLC	None
Kelly	Stephen	Brookfield Renewable Trading and Marketing LP (BSMH)	Other Supplier
Kent	Janessa	Duquesne Light Company	Transmission Owner
Kilgallen	Kevin	Avangrid Renewables, LLC	Generation Owner
Kimmel	David	PJM Interconnection, LLC	None
Kosner	Bob	Illinois Municipal Electric Agency	Other Supplier
Krone	Matt	FP East Capital Partners LLC	Other Supplier
Kuhn	Tyler	Citadel FNGE Ltd.	Other Supplier
Lacek	Mollie	PJM Interconnection, LLC	None
Lai	Erin	PJM Interconnection, LLC	None
Lake	David	American Transmission Systems, Inc.	Transmission owner
Lescano	Amanda	New Jersey Board of Public Utilities	
Lockwood	Dan	PJM Interconnection, LLC	None
Lowenthal-Savy	Daniele	Monitoring Analytics	None
Mabry	David	McNees Wallace & Nurick LLC	None

Marcino Angelo		PJM Interconnection, LLC	None
Martinez	Zandy	Rockland Electric Company	Transmission Owner
Mason	Gary	FirstEnergy Solutions Corp.	Transmission Owner
Matthew	Lagy	PJM Interconnection, LLC	None
Matticola	Michelle	PJM Interconnection, LLC	None
McClelland	Maura	Public Utilities Commission of Ohio	
McClure	Emily	Illinois Commerce Commission	None
McDewell	Christian	Commonwealth of PA	
McLaughlin	Jeffrey	PJM Interconnection, LLC	None
McNeil	Justin	Office of the Attorney General, Kentucky	End Use Customer
McTeigue	Caitlin	PJM Interconnection, LLC	None
Megali	Brian	Constellation Energy Generation, LLC	Generation Owner
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Norton	Chris	PJM Interconnection, LLC	None
Olaleye	Michael	PJM Interconnection, LLC	None
OLeary	Christopher	PSEG Energy Resources and Trade LLC	Other Supplier
Ondayko	Brock	AEP Energy Partners, Inc. (AEP Gen Resources)	Transmission Owner
Osborn	Eric	EDF Trading North America, LLC	Other Supplier
Pakela	Gregory	DTE Energy Trading, Inc.	Other Supplier


Panchal	Hitesh	Saracen Energy East LP	Other Supplier
Patel	Harshil	PJM Interconnection, LLC	None
Patel	Shodhan	Constellation	Generation Owner
Philips	Darlene	PJM Interconnection, LLC	None
Pierpoint	Dan	Riverside Generating Company, L.L.C.	Generation Owner
Pilon	Chris	PJM Interconnection, LLC	None
Pilong	Melissa	PJM Interconnection, LLC	None
Poulos	Greg	Consumer Advocates of PJM States	
Prokop	Brenda	Silver Run Electric, LLC	Transmission Owner
Rainey	John	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributer
Ramsay	Eli	PJM Interconnection, LLC	None
Rasmussen	Jay	Duke Energy Services LLC	Transmission Owner
Ritch	John		
Roach	Temujin	EDF Renewable Development, Inc.	None
Rosenthal	Peter	Castleton Commodities Merchant Trading L.P.	Other Supplier
Rumsey	Amanda	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Rutledge	Craig	Appalachian Power Company	Transmission Owner
Schroeder	Connie	Dominion Virginia Power	Transmission Owner
Selick	Sam	Customized Energy Solutions	None
Shah	Vijay	PJM Interconnection, LLC	None

Shaughnessy	Mike	Duquesne Light Company	Transmission Owner
Shields	Jeff	PJM Interconnection, LLC	None
Sillin	John	FERC	
Sims	Ryan	IGS	None
Singer	Chad	RavenVolt	
Sloan	Ben	Organization of PJM States, Inc.	
Smith	Kara	Buckeye Power, Inc.	Electric Distributer
Smoker	Tim	PJM Interconnection, LLC	None
Sotkiewicz	Paul	E-Cubed Policy Associates	None
Sorrels	Jim	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Sprinkle	Dan	Louisville Gas and Electric Company/Kentucky Utilities Company	Transmission Owner
Stadlmeyer	Rebecca	PJM Interconnection, LLC	None
Stemestzki	Mike	PJM Interconnection, LLC	None
Stern	Alex	Exelon Business Services Company, LLC	Transmission Owner
Stewart	Michael	PJM Interconnection, LLC	None
Stone	Andy	PJM Interconnection, LLC	None
Stone	Chris	PJM Interconnection, LLC	None
Storino	Laura	NJ Board of Public Utilities	
Strella Wahba	Lauren	PJM Interconnection, LLC	None
Sturgeon	John	Duke Energy Carolinas, LLC	Other Supplier
Suh	Jung	Calpine Energy Services, L.P.	Generation Owner

Swalwell	Brad	Tangent Energy Solutions, Inc.	Other Supplier
Sweeney	Rory	Northern Virginia Electric Cooperative	Other Supplier
Taylor	Daniel	PJM Interconnection, LLC	None
Terranova	Chris	PJM Interconnection, LLC	None
Theodore	Sharon		
Tutino	Joseph	PJM Interconnection, LLC	None
Tyler	Catherine	Monitoring Analytics	
Unger	Matthew	State Corporation Commission (Commonwealth of Virginia)	
Ushijima	Hiroaki	Jpower USA	None
Wager	Ben	Jersey Central Power and Light (Yards Creek)	Transmission Owner
Warner-Freeman	Jennifer	PJM Interconnection, LLC	None
Wharton	Matthew	PJM Interconnection, LLC	None
Whitehead	Jeff	GT Power Group	
Wilson	James		
You	Cindy	PJM Interconnection, LLC	None
Yovanovich	Laura	PJM Interconnection, LLC	None
Zemanek	Kevin	Buckeye Power, Inc.	Electric Supplier
Zhao	Tong	PJM Interconnection, LLC	None
Zhao	Ming	DXT Commodities North America	Other Supplier

## OC Subcommittee/Task Force Informational Section

System Operations Subcommittee (SOS): [SOS Website](#)  
 Data Management Subcommittee (DMS): [DMS Website](#)  
 Distributed Resources Subcommittee (DISRS): [DISRS Website](#)  
 Outage Coordination: [Outage Coordination Issue Tracker](#)

Future Meeting Dates and Materials			Materials Due to Secretary 	Materials Published
Date	Time	Location		
March 7, 2024	9 a.m.	PJM Conference & Training Center and webex	February 28, 2024	February 29, 2024
April 4, 2024	9 a.m.	PJM Conference & Training Center and webex	March 27, 2024	March 28, 2024
May 2, 2024	9 a.m.	Webex Only	April 24, 2024	April 25, 2024
June 6, 2024	9 a.m.	PJM Conference & Training Center and webex	May 29, 2024	May 30, 2024
July 11, 2024	9 a.m.	PJM Conference & Training Center and webex	July 2, 2024	July 3, 2024
August 8, 2024	9 a.m.	PJM Conference & Training Center and webex	July 31, 2024	August 1, 2024
September 12, 2024	9 a.m.	PJM Conference & Training Center and webex	September 4, 2024	September 5, 2024
October 10, 2024	9 a.m.	PJM Conference & Training Center and webex	October 2, 2024	October 3, 2024
November 8, 2024	9 a.m.	PJM Conference & Training Center and webex	October 31, 2024	November 1, 2024
December 5, 2024	9 a.m.	PJM Conference & Training Center and webex	November 27, 2024	November 27, 2024

Author: V. Le

### 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 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. Expectations for participating in PJM activities are further detailed in the [PJM Code of Conduct](#).

### 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:

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### Participant Use of Webex Chat:

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## On the Phone, Dial



to Mute/Unmute

## Linking Teleconference Connection to Webex

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## Join a Meeting

1. Join meeting in the Webex desktop client
2. Enter name (*First and Last\**) and corporate email
3. Under “Select Audio Option” select “Call Me” option from the dropdown menu

*\*Note: Anonymous users or those using false usernames or emails will be dropped from the teleconference.*

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