

Operating Committee
Webex Only
April 8, 2021
9:00 a.m. – 12:00 p.m. EDT

Administration

1. Lauren Strella Wahba, 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 March 11th OC meeting. The Committee approved the draft minutes from the March 11, 2021 Operating Committee meeting with 1 objection and 0 abstentions.
 - b. Reviewed and approved draft minutes from the March 30th OC Special Session on DLR. The Committee approved the draft minutes from the March 30, 2021 OC Special Session on DLR with 0 objections and 0 abstentions.
 - c. Reviewed the OC work plan.
 - d. Reviewed the OC Charter. **The Operating committee will be asked to endorse the Charter at its next meeting.**
 - e. Jim Gluck, PJM, provided an update on the voting protocols for Board elections at the May Members Committee meeting

Review of Operations

2. Mike Bryson provided a high level update on the fuel security initiative and stated that a more detailed update will be given at either the May or June Operating Committee.
3. PJM COVID-19 Update
Paul McGlynn, PJM, provided an update on PJM's operations plan in response to COVID-19.
<https://pjm.com/committees-and-groups/pandemic-coordination.aspx>
4. Review of Operating Metrics
Stephanie Monzon, PJM, reviewed the March 2021 PJM operating metrics slides. Metrics included PJM's load forecast error, BAAL performance, and transmission / generation outage statistics.

Endorsements

5. IROL-CIP Cost Recovery
Darrell Frogg, PJM, provided a second read of the Problem Statement and Issue Charge addressing IROL-CIP Cost Recovery. **The Operating Committee voted to approve the Issue Charge and with 100% support. There were 207 Yes votes, 0 No votes, and 2 Abstentions.**

First Reading

6. Manual 01: Control Center and Data Exchange
Bilge Derin, PJM, provided an update on the periodic review of Manual 01. **No edits were found to be required in the review; therefore no vote will be required.**
7. Manual 03: Transmission Operations
Lagy Mathew, PJM, reviewed Manual 03 changes. **The Operating Committee will be asked to endorse these changes at its next meeting.**
8. Manual 36: System Restoration
Rich Brown, PJM, reviewed Manual 36 changes. **The Operating Committee will be asked to endorse these changes at its next meeting.**

Informational Update

9. System Operations Subcommittee (SOS) Report
Rebecca Carroll, PJM, provided a summary of the most recent SOS meeting.
10. Real Time Value (RTV) Markets Gateway Change
Tong Zhao, PJM, provided a review of the recent modification to Markets Gateway following the change to the RTV market rules.
11. Dynamic Line Rating (DLR)
Shaun Murphy, PJM, provided a recap of the OC Special Session on Dynamic Line Ratings Education held on March 30, 2021 and reviewed proposed next steps.
12. Synchrophasor Project Update
Shaun Murphy, PJM, reviewed recent activities around PMUs at PJM.
13. M34 Proposed Posting Timeline
Michele Greening, PJM, reviewed information related to a proposed posting timeline trial period.
14. Emerging Technologies Forum Survey
Scott Baker, PJM, provided an informational announcement about a forthcoming stakeholder survey related to emerging technologies.
15. Winter Operations Review
Rebecca Carroll, PJM, reviewed the 2020-2021 Winter Operations Summary.
16. Winter Lessons Learned
Paul McGlynn, PJM, discussed lessons learned from the 2020-2021 winter season.

17. NERC Lessons Learned

Donnie Bielak with reviewed the latest posted NERC Lessons Learned reports

18. Reliability Compliance Update

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

Informational Only Postings

19. PJM Manual 03 Attachment E Automatic Sectionalizing Schemes

The PJM Manual 03 Attachment E Automatic Sectionalizing Schemes Pending Approval and Recent Changes document was posted as an Information Only item to the April OC meeting website.

Attendance

Last Name	First Name	Company	Sector
Phillips (Chair)	Darlene	PJM Interconnection	Not Applicable
Strella Wahba (Secretary)	Lauren	PJM Interconnection	Not Applicable
Ahmad	Syed	FERC	Not Applicable
Anastasio	Elizabeth	PJM Interconnection	Not Applicable
Anders	David	PJM Interconnection	Not Applicable
Baker	Jeff	PJM Connect	None
Baker	Scott	PJM Interconnection	Not Applicable
Barker	Jason	Exelon Business Services Company, LLC	Transmission Owner
Barmer	Michael	Dominion Virginia Power	Not Applicable
Benckek	Jim	First Energy	Transmission Owner
Bennett	Dan	PJM Interconnection	Not Applicable
Berton	Tyler	AEP Energy Partners, Inc.	Transmission Owner
Bielak	Donnie	PJM Interconnection	Not Applicable
Bleiweis	Bruce	DC Energy	None
Bowen	Brandon	Indiana Utility Regulatory Commission	Not Applicable
Boyd	Chris	Dynegy Marketing & Trade, LLC (DECAM)	Generation Owner
Boyle	Glen	PJM Interconnection	Not Applicable
Brady	George	Ohio Valley Electric Corporation	Transmission Owner
Braerman	Ken	BGE	None
Brodbeck	John	EDP Renewables North America LLC	Generation Owner
Brown	David	NJ Board of Public Utilities	Not Applicable

Brown	Rich	PJM Interconnection	Not Applicable
Bryson	Michael	PJM Interconnection	Not Applicable
Burlew	Jim	PJM Interconnection	Not Applicable
Callen	Zac	Illinois Commerce Commission	Not Applicable
Capra	Carlo	ITC Interconnection LLC	Transmission Owner
Carmean	Gregory	Organization of PJM States, Inc. (OPSI)	Not Applicable
Carroll	Rebecca	PJM Interconnection	Not Applicable
Carter	Karyn	Rockland Electric Company	Transmission Owner
Cathcart	Stacie	Public Utility Commission of Ohio	Not Applicable
Caven	Augustine	PJM Interconnection	Not Applicable
Chang	Sean	Shell Energy North America (US), L.P.	Other Supplier
Chen	Hong	PJM Interconnection	Not Applicable
Chu	George	PJM Interconnection	Not Applicable
Croop	Danielle	PJM Interconnection	Not Applicable
Dajewski	Paul	PJM Interconnection	Not Applicable
D'Alessandris	Lou	FirstEnergy Corporation	Transmission Owner
D'Antonio	Philip	PJM Interconnection	Not Applicable
Davis	Elizabeth	PJM Interconnection	Not Applicable
Derin	Bilge	PJM Interconnection	Not Applicable
Dolan	James	PJM Interconnection	Not Applicable
Domian	Christin	Duquesne Light Company	Transmission Owner
Dropkin	Ilyana	PJM Interconnection	Not Applicable
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Egan	Amanda	PJM Interconnection	Not Applicable
Fabiano	Janell	PJM Interconnection	Not Applicable
Fan	Zhenyu	PJM Interconnection	Not Applicable
Fereshetian	Damon	PJM Interconnection	Not Applicable
Filomena	Guy	Customized Energy Solutions, Ltd.	None
Fitzpatrick	Brian	PJM Interconnection	Not Applicable
Foladare	Kenneth	Geenex Solar LLC	Generation Owner
Ford	Adrien	Old Dominion Electric Cooperative	Electric Distributor
Freeman	Jennifer	PJM Interconnection	Not Applicable
Frogg	Darrell	PJM Interconnection	Not Applicable
Gahimer	Mike	IN Office of Utility Consumer Counselor	End-Use Customer
Gates	Terry	Appalachian Power Company (AEP Generation)	Transmission Owner
Gebele	Don	Dayton Power & Light	Transmission Owner
Genuario	Gabrielle	PJM Interconnection	Not Applicable

Gilani	Rehan	ConEdison Energy, Inc.	Other Supplier
Gluck	Jim	PJM Interconnection	Not Applicable
Grear	Mark	Exelon Generation Co., LLC	Generation Owner
Greening	Michele	PJM Interconnection	Not Applicable
Greiner	Gary	PSEG Energy Resources and Trade LL	Other Supplier
Grippe	Andrew	PJM Interconnection	Not Applicable
Guignet	Doug	PJM Interconnction	Not Applicable
Guntle	Vince	UGI Energy Services, LLC	Other Supplier
Haas	Howard	Monitoring Analytics, LLC	Not Applicable
Hammack	Matthew	PPL Electric Utilities Corporation	Transmission Owner
Harris	Makenna		
Hastings	David	PJM Committee Voting Generic Account	None
Hauske	Tom	PJM Interconnection	Not Applicable
Heisey	Bradley	Wolf Hills Energy, LLC	Generation Owner
Hislop	Dave	PJM Interconnection	Not Applicable
Hoang	Liem	PJM Interconnection	Not Applicable
Hoatson	Tom	West Deptford Energy, LLC	Generation Owner
Hohenshilt	Jennifer	Talen Energy Marketing, LLC	Generation Owner
Hoke	Michael	PJM Interconnection	Not Applicable
Horning	Lynn	Customized Energy Solutions, Ltd.	None
Horstmann	John	Dayton Power & Light Company	Transmission Owner
Hudson	Wesley	Dominion Virginia Power	
Hunter	Andy	Metropolitan Edison Company	Electric Distributor
Hurwich	Mark	Elliot Bay Energy Trading, LLC	Other Supplier
Hyzinski	Tom	GT Power Group, LLC	None
Iler	Art	Indiana Office of Utility Consumer Counsel	End-User Customer
Janicki	Diane	BETM	None
Jardot	Gina	Essential Power Rock Springs, LLC	Generation Owner
Jens	Tom	Black Oak Capital, LLC	Other Supplier
Johnson	Carl	Customized Energy Solutions, Ltd.	None
Johnston	Dave	Other	None
Keegan	Jack	PJM Interconnection, LLC	Not Applicable
Keenan	Matthew	Elwood Energy, LLC	Generation Owner
Kelly	Stephen	Brookfield Renewable Trading and Marketing LP (BSMH)	Other Supplier
Kimbrel	Ethan	Illinois Commerce Commission	Not Applicable
Kimmel	David	PJM Interconnection	Not Applicable
Kogut	George	New York Power Authority	Other Supplier
Konowal	Richard	PJM Interconnection	Not Applicable

Krawczyk	Leslie	Reliability First	Not Applicable
Lee	Ray	PJM Interconnection	Not Applicable
Libbos	Robin	FirstEnergy Corporation	Transmission Owner
Low	Connie	Dominion Virginia Power	Transmission Owner
Mabry	David	McNees Wallace & Nurick LLC	None
Mali	Gizella	PJM Interconnection	Not Applicable
Marcino	Angelo	PJM Interconnection	Not Applicable
Markiewicz	Cindy	First Energy	None
Mathew	Lagy	PJM Interconnection	Not Applicable
Matuszak	Alex	UGI Energy Services, LLC	Other Supplier
Mazzacano	Ed	Dynasty Energy California Inc.	
McCormick	Katharine	Illinois Commerce Commission	Not Applicable
McGlynn	Paul	PJM Interconnection	Not Applicable
McGovern	Jason	PJM Interconnection	Not Applicable
Midgley	Sharon	Exelon Business Services Company, LC	Transmission Owner
Monzon	Stephanie	PJM Interconnection	Not Applicable
Murphy	Shaun	PJM Interconnection	Not Applicable
Nix	Emma	Gabel Associates	None
Oakes	Brian	PJM Interconnection	Not Applicable
Okenfuss	James	Savion, LLC	None
Olaley	Michael	PJM Interconnection	Not Applicable
Olinger	Robert	Keystone Projects	None
Ondayko	Brock	AEP Energy Partners, Inc. (AEP Gen Resources)	Transmission Owner
Pakela	Gregory	DTV Energy Trading, Inc.	Other Supplier
Pilong	Christopher	PJM Interconnection	Not Applicable
Pincus	Steve	PJM Interconnection	Not Applicable
Poulos	Greg	CAPS	Not Applicable
Proconiar	Jason	Dayton Power & Light Company	Transmission Owner
Robinson	Becky	Vistra Energy Marketing	Other Supplier
Rodriguez	Tomás	OPSI	None
Rohrbach	John	Southern Maryland Electric Cooperative	Electric Distributor
Sasser	Jonathan	Customized Energy Solutions, Ltd.	None
Scarpignato	David	Calpine Energy Services, L.P.	Generation Owner
Schweizer	David	PJM Interconnection	Not Applicable
Schwertner	Cody	Silver Run Electric, LLC	Transmission Owner
Sells	Scott	EKPC	Transmission Owner
Sillin	John	FERC	None
Smith	Kara	Buckeye Power, Inc.	Electric Distributor
Sotkiewicz	Paul	E-Cubed Policy Associates	Not Applicable

Souder	Michelle	PJM Interconnection	Not Applicable
Stack	James	Duquesne Light Company	Transmission Owner
Stefanowicz	Vince	PJM Interconnection	Not Applicable
Stern	Alex	Public Service Electric & Gas Company	Transmission Owner
Stone	Andy	Other	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, LLC	None
Tacka	Natalie	PJM Interconnection	Not Applicable
Tam	Simon	PJM Interconnection	Not Applicable
Thomas	Jack	PJM Interconnection	Not Applicable
Whitehead	Jeff	GT Power Group	None
Wisersky	Megan	Madison Gas & Electric Company	Other Supplier
Yoder	Michael	RTO Insider	None
Zemanek	Kevin	Buckeye Power	Electric Distributor
Zhang	Michael	PJM Interconnection	Not Applicable
Zhao	Tong	PJM Interconnection	Not Applicable
Zolnierak	Jim	Illinois Commerce Commission	Not Applicable

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](#)

System Restoration Coordinators Subcommittee (SRCS): [SRCS Website](#)

Fuel Requirements for Black Start Resources: [Fuel Req. for Black Start Resources Issue Tracker](#)

Future Meeting Dates

May 14, 2021 ***Materials Due to Secretary by May 4, 2021***	9:00 a.m.	WebEx
June 10, 2021	9:00 a.m.	WebEx
July 15, 2021	9:00 a.m.	WebEx
August 12, 2021	9:00 a.m.	WebEx



Draft Meeting Minutes

September 10, 2021	9:00 a.m.	WebEx
October 07, 2021	9:00 a.m.	WebEx
November 04, 2021	9:00 a.m.	WebEx
December 02, 2021	9:00 a.m.	WebEx

Author: L. Stella 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

1. Join meeting in the Webex desktop client
2. Enter name (*First and Last**) and corporate email
3. Call in to the operator-assisted number

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

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