

**Market Implementation Committee
PJM Conference & Training Center/Webex
November 8, 2024
1:00 p.m. – 4:00 p.m. EPT**

Administration (1:00 – 1:05)

Stefan Starkov, PJM, reviewed the Antitrust, Code of Conduct, Public Meetings/Media Participation and WebEx Participant Identification Requirements.

The committee approved the draft minutes from the October 9, 2024 Market Implementation Committee meeting.

Endorsements (1:05 – 1:15)

1. Manual 28 Revisions (1:05 – 1:15)

Suzanne Coyne, PJM, presented conforming changes to Manual 28: Operating Agreement Accounting regarding solar and hybrid Lost Opportunity Cost implementation, per FERC Docket ER23-2484.

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

The committee endorsed the revisions by acclamation with 0 objections and 0 abstentions.

First Reads (1:15 – 1:50)

2. Manual 27 & 29 Revisions (1:15 – 1:30)

Susan Kenney, PJM, presented conforming changes to Manual 27: Open Access Transmission Tariff Accounting and Manual 29: Billing as part of the periodic review.

3. Black Start Base Formula Rate (1:30 – 1:50)

Glen Boyle, PJM, reviewed a problem statement and issue charge on the Black Start Base Formula Rate.

Additional Items (1:50 – 3:20)

4. Distributed Resources Subcommittee Update (1:50 – 1:55)

Ilyana Dropkin, PJM, provided a Distributed Resources Subcommittee update.

5. Next Generation Energy Markets (nGEM) Update (1:55 – 2:10)

Ray Fernandez, PJM, presented an update on the nGEM project.

6. Manual Changes for CIFP-RA: Phase 2 (2:10 – 2:30)

Skyler Marzewski, PJM, presented an update on conforming manual changes for CIFP-RA: Phase 2.

7. Regulation Redesign: Phase 1 Implementation Timeline Update (2:30 – 2:45)

Michael Olaleye, PJM, presented an update to the Regulation Redesign Phase 1 Timeline.

8. DER Regulation Only Participation (2:45 – 3:00)

Jay Marhoefer, Intelligent Generation, reviewed a new Problem Statement and Issue Charge related to Regulation Market Only participation with injection at NEM customer sites.

9. Reactive Power Compensation (3:00 – 3:20)

Thomas DeVita, PJM, shared PJM's proposal for an FPA section 205 filing around the Energy & Ancillary Services Market offset in conjunction with FERC's recent Reactive Power Final Rule in RM22-2 and provided an update regarding the related compliance filing.

Working Items (3:30 – 4:00)

10. Demand Response Availability Window (3:30 – 4:00)

- Pat Bruno, PJM, presented an ELCC analysis and solution options regarding DR Availability.
- Foluso Afelumo led a discussion on solution options within the matrix.
- Additional materials are posted as informational only.

[Issue Tracking: DR Availability Window](#)

Attendance

| In-Person | | |
|-----------------------------|---------------------------------------|----------------------|
| Name | Company | Sector |
| Afelumo, Foluso (Chair) | PJM Interconnection | None |
| Starkov, Stefan (Secretary) | PJM Interconnection | None |
| Barker, Jason | Vitol Inc. | Generation Owner |
| Boyle, Glen | PJM Interconnection | None |
| Bruno, Patrick | PJM Interconnection | None |
| Chmielewski, Brian | PJM Interconnection | None |
| Croop, Danielle | PJM Interconnection | None |
| D'Antonio, Phil | PJM Interconnection | None |
| Fernandez, Ray | PJM Interconnection | None |
| Graf, Walter | PJM Interconnection | None |
| Greening, Michele | PJM Interconnection | None |
| How, Madalin | PJM Interconnection | None |
| Kogut, George | New York Power Authority | Other Supplier |
| Leith-Yessian, Devin | RTO Insider | None |
| Mabry, David | McNeese Wallace & Nurick LLC | None |
| Marzewski, Skyler | PJM Interconnection | None |
| Olaleye, Michael | PJM Interconnection | None |
| Rohrbach, John | Wabash Valley Power Association, Inc. | Electric Distributor |
| Scarp, David | Calpine Energy Services, L.P. | Generation Owner |
| Stanisz, Mark | PJM Interconnection | None |
| Stern, Alexander | Exelon Business Services Company, LLC | Transmission Owner |
| Zhang, Mike | PJM Interconnection | None |
| Webex | | |

| Name | Company | Sector |
|----------------------|--|----------------------|
| Abdur-Rahman, Muhsin | Dynegy Marketing and Trade, LLC (DECAM) | Generation Owner |
| Afelumo, Foluso | PJM Interconnection | None |
| Anderson, Juliet | Constellation Energy Generation, LLC | Generation Owner |
| Asplund, Russell | Blackout Power Trading Inc. (Blackout Power Trading Sub 2) | Other Supplier |
| Baizman, Aaron | PJM Interconnection | None |
| Baker, Laura | Stone Mattheis Xenopoulos & Brew, PC | None |
| Baker, Scott | PJM Interconnection | None |
| Barrow, Kim | PA Public Utility Commission | None |
| Belenky, Maria | PJM Interconnection | None |
| Bleiweis, Bruce | DC Energy, LLC | Other Supplier |
| Bondi, Greg | Constellation Energy Generation, LLC | Generation Owner |
| Bowker, Shannon | PJM Interconnection | None |
| Bowring, Joseph | Monitoring Analytics | None |
| Boyle, Glen | PJM Interconnection | None |
| Branch, John | Enel Trading North America, LLC | Other Supplier |
| Breidenbaugh, Aaron | Enerwise Global Technologies, LLC | Other Supplier |
| Bresler, Stu | PJM Interconnection | None |
| Brodbeck, John | EDP Renewables | Generation Owner |
| Bruno, Joshua | PJM Interconnection | None |
| Bruno, Patrick | PJM Interconnection | None |
| Campbell, Bruce | Enerwise Global Technologies, LLC | Other Supplier |
| Cao, Roger | PJM Interconnection | None |
| Carmean, Gregory | Organization of PJM States, Inc. | None |
| Carroll, Rebecca | PJM Interconnection | None |
| Carson, Donna | East Kentucky Power Cooperative, Inc. | Transmission Owner |
| Chen, Hong | PJM Interconnection | None |
| Chmielewski, Brian | PJM Interconnection | None |
| Christopher, Mahila | Public Utilities Commission of Ohio | None |
| Chu, George | PJM Interconnection | None |
| Ciabattoni, Joseph | PJM Interconnection | None |
| Cocco, Michael | Old Dominion Electric Cooperative | Electric Distributor |
| Collier, Oliver | Virginia State Corporation Commission | None |
| Concina, Wendell | Commonwealth Edison Company | Transmission Owner |
| Connolly, Matthew | PJM Interconnection | None |
| Corash, Richard | PSEG Energy Resources and Trade LLC | Other Supplier |
| Coyne, Suzanne | PJM Interconnection | None |
| Croop, Danielle | PJM Interconnection | None |
| Curtis, Kenneth | Enverus, Inc. | None |
| Cusick, Kerinia | Center for Renewables Integration | None |
| Dalton, David | Virginia State Corporation Commission | None |
| Dantonio, Phil | PJM Interconnection | None |
| Davis, David | Apex Clean Energy Holdings, LLC | None |
| Davis, James | Dominion Energy Generation Marketing, Inc. | Generation Owner |
| DeVita, Thomas | PJM Interconnection | None |
| DiMartino, Denise | PJM Interconnection | None |
| Domian, Christin | Duquense Light Company | Other Supplier |
| Donohue, Erin | Enel X North America, Inc. | Other Supplier |
| Downs, Jere | PJM Connect | None |
| Dropkin, Ilyana | PJM Interconnection | None |
| Dugan, Chuck | East Kentucky Power Cooperative, Inc. | Transmission Owner |
| EJEBE, GABRIEL | Open Access Technology International, Inc. | None |
| Esterly, Theresa | PJM Interconnection | None |
| Everngam, Scott | Blue Horseshoe Energy LLC | None |
| Fabiano, Janell | PPL Electric Utilities Corp. dba PPL Utilities (LSE) | Transmission Owner |
| fan, zhenyu | PJM Interconnection | None |
| Filomena, Guy | Customized Energy Solutions, Ltd. | None |
| Fink, Sari | MAREC Action | None |
| Fishback, Luke | Affirmed Energy LLC (WMP) | Other Supplier |
| Fitch, Neal | NRG Business Marketing LLC (NRGPM) | Generation Owner |
| Flamm, Sean | PJM Interconnection | None |

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|------------------------|---|----------------------|
| Foladare, Kenneth | Geenex Solar LLC | Other Supplier |
| Ford, Adrien | Constellation Energy Generation, LLC | Generation Owner |
| Frogg, Darrell | PJM Interconnection | None |
| Gajdowski, Denise | PJM Interconnection | None |
| Gates, Terry | Appalachian Power Company (AEP Generation) | Transmission Owner |
| Gorman, Bradley | American Transmission Systems, Inc. | Transmission Owner |
| Greening, Michele | PJM Interconnection | None |
| handlin, mike | PJM Interconnection | None |
| Hastings, David | Long Island Lighting Company dba LIPA | Other Supplier |
| Hauske, David | PJM Interconnection | None |
| Heinle, Frederick | Dynegy Marketing and Trade, LLC | Generation Owner |
| Heisey, Bradley | Tenaska Pennsylvania Partners, LLC | Generation Owner |
| Hoatson, Tom | West Deptford Energy, LLC | Generation Owner |
| Hohenshilt, Jennifer | Talen Energy Marketing, LLC | Generation Owner |
| Holter, Natasha | PJM Interconnection | None |
| Horger, Tim | PJM Interconnection | None |
| Horning, Lynn Marie | American Municipal Power, Inc. | Electric Distributor |
| Horstmann, John | Dayton Power & Light Company (The) | Transmission Owner |
| Hsia, Eric | PJM Interconnection | None |
| Huang, James | Electranet REP I, LLC | Other Supplier |
| Hull, Gerit | American Municipal Power, Inc. | Electric Distributor |
| Hunter, Benjamin | Other | None |
| Hurd, Shawn | Monongahela Power Company | Transmission Owner |
| Hyatt, Earl | Monitoring Analytics | None |
| Hyzinski, Tom | GT Power Group, LLC | None |
| Janicki, Diane | Boston Energy Trading and Marketing LLC | Other Supplier |
| Johnson, Amanda | Duquesne Light Company | Transmission Owner |
| Johnson, Carl | Customized Energy Solutions, Ltd. | None |
| Johnston, David | Other | None |
| Jones, Scott | Indiana Office of Utility Consumer Counselor | None |
| Kelly, Stephen | Brookfield Renewable Trading and Marketing LP (BSMH) | Other Supplier |
| Kenney, Susan | PJM Interconnection | None |
| Keshavamurthy, Bhavana | PJM Interconnection | None |
| Kim, Sung | PJM Interconnection | None |
| Kirk, Ryan | Appalachian Power Company (AEP Generation) | Transmission Owner |
| Klingensmith, Laurel | American Transmission Systems, Inc. | Transmission Owner |
| Krause, Sherian | MidAmerican Energy Company (Bulk) | Other Supplier |
| Lafayette, Robin | PPL Electric Utilities Corp. dba PPL Utilities (LSE) | Transmission Owner |
| Langbein, Peter | PJM Interconnection | None |
| Leith-Yessian, Devin | RTO Insider | None |
| Lejcar, Jamie | Allegheny Electric Cooperative, Inc. | Electric Distributor |
| Litzke, Jack | PJM Interconnection | None |
| Lu, Chenchao | PJM Interconnection | None |
| Lucia, Seth | Constellation Energy Generation, LLC | Generation Owner |
| Mabry, David | McNees Wallace & Nurick LLC | None |
| Marcino, Angelo | PJM Interconnection | None |
| Marhoefer, Jay | Intelligent Generation LLC | Other Supplier |
| Mariam, Yohannes | Office of the People's Counsel for the District of Columbia | None |
| Marshall-Torres, Emma | Elevate Renewables | None |
| Marzewski, Skyler | PJM Interconnection | None |
| Mason, Gary | Monongahela Power Company | Transmission Owner |
| Massarelli, Eva | Dominion Virginia Power | Transmission Owner |
| McAnany, James | PJM Interconnection | None |
| McCorry, Hannah | Illinois Commerce Commission | None |
| McDaniel, John | Baltimore Gas and Electric Company | Transmission Owner |
| McDewell, Christian | PA Public Utility Commission | None |
| Mendez, Victor | Commonwealth Edison Company | Transmission Owner |
| Metz, John | University of Delaware | None |
| Miller, John | Calico Energy | None |
| Morelli, Lisa | PJM Interconnection | None |

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| Mroz, David | PJM Interconnection | None |
| Muhl, Nancy | PJM Interconnection | None |
| Ngo, Viet | Public Service Electric and Gas Company | Transmission Owner |
| Nix Simon, Emma | EDF Renewable Development, Inc. | None |
| Norton, Chris | American Municipal Power, Inc. | Electric Distributor |
| Olaleye, Michael | PJM Interconnection | None |
| Olinger, Robert | Keystone-Conemaugh Projects, LLC (Keystone) | Other Supplier |
| Ondayko, Brock | AEP Energy Partners, Inc. (AEP Gen Resources) | Transmission Owner |
| Osborn, Eric | EDF Trading North America, LLC | Other Supplier |
| Pakela, Greg | DTE Energy Trading, Inc. | Other Supplier |
| Pearlman, Toba | Illinois Commerce Commission | None |
| Peoples, John | Duquesne Light Company | Transmission Owner |
| Petrov, Matt | PJM Interconnection | None |
| Pilong, Christopher | PJM Interconnection | None |
| Pilong, Melissa | PJM Interconnection | None |
| Price, Mark | DC Energy Mid-Atlantic, LLC | Other Supplier |
| Pungaliya, Rajat | Pine Gate Mid-Atlantic, LLC | Generation Owner |
| Rasmussen, Jay | Duke Energy Business Services LLC | Transmission Owner |
| Robinson, Paul | Federal Energy Regulatory Commission | None |
| Rogers, Aaron | East Kentucky Power Cooperative, Inc. | Transmission Owner |
| Rohrbach, John | Wabash Valley Power Association, Inc. | Electric Distributor |
| Sasser, Jonathan | Customized Energy Solutions, Ltd. | None |
| Scheidecker, Paul | Monitoring Analytics | None |
| Scheirer, Alexandra | PJM Interconnection | None |
| Schuyler, Ken | PJM Interconnection | None |
| Seelaus, Andy | Enerwise Global Technologies, LLC | Other Supplier |
| Selick, Sam | Customized Energy Solutions, Ltd. | None |
| Skucas, Ruta | PJM Committee Voting Generic Account | None |
| Sloan, Ben | Organization of PJM States, Inc. | None |
| Sorrels, James | AEP Appalachian Transmission Company, Inc. | Transmission Owner |
| Stadelmeyer, Rebecca | Jersey Green Energy LLC | Other Supplier |
| Stanisz, Mark | PJM Interconnection | None |
| Starkov, Stefan | PJM Interconnection | None |
| Stern, Alexander | Exelon Business Services Company, LLC | Transmission Owner |
| Stone, Andy | Andy Stone | None |
| Sturgeon, John | Duke Energy Business Services LLC | Transmission Owner |
| Sussler, Philip | Office of People's Counsel | None |
| Swalwell, Brad | Tangent Energy Solutions, Inc. | Other Supplier |
| Sweeney, Rory | Northern Virginia Electric Cooperative (NOVEC) | Electric Distributor |
| Talebi, Tessa | Federal Energy Regulatory Commission | None |
| Taylor, Daniel | PJM Interconnection | None |
| Theodore, Sharon | Other | None |
| Thomas, Jack | PJM Interconnection | None |
| Tierney-Lloyd, Mona | Enel X North America, Inc. | Other Supplier |
| Tubridy, Meg | Rockland Electric Company | Transmission Owner |
| Tutino, Joseph | PJM Interconnection | None |
| Tyler, Catherine | Monitoring Analytics | None |
| Unger, Matthew | Virginia State Corporation Commission | None |
| Ushijima, Hiroaki | Elwood Energy, LLC | Generation Owner |
| VanderLaan, William | Illinois Commerce Commission | None |
| Vinnik, Daniel | PJM Interconnection | None |
| Wagar, Benjamin | Jersey Central Power and Light (Yards Creek) | Transmission Owner |
| Walcavich, Colin | Equinor Renewables | None |
| Wassil, Paul | KMC Thermo, LLC | Generation Owner |
| Waweru, James | PJM Interconnection | None |
| Wehnes, Kathleen | retired | None |
| Whitehead, Jeffrey | GT Power Group | None |
| Widom, Stuart | PJM Interconnection | None |
| Yovanovich, Laura | PPL Electric Utilities Corp. dba PPL Utilities (TO) | Transmission Owner |
| Zaheen, Maisha | Enel Trading North America, LLC | Other Supplier |
| Zemanek, Kevin | Buckeye Power, Inc. | Other Supplier |
| Zhao, Tong | PJM Interconnection | None |

Informational Section

FERC Docket ER24-2995 Update

Chen Lu, PJM, and Pete Langbein, PJM, provided an update to FERC Docket ER24-2995 regarding Energy Efficiency resources in the capacity market and review potential impacts to Energy Efficiency providers participating in the 2026/27 Base Residual Auction.

FERC Docket ER24-2172 Update

Mark Stanis, PJM, provided updates on (1) the November 1, 2024 order, in Docket Nos. ER24-2172-000 and ER24-2172-001, rejecting the Third Amended Co-Located Load Susquehanna Interconnection Service Agreement, among PJM, Susquehanna Nuclear, LLC and PPL Electric Utilities Corp.; and (2) PJM's anticipated development of post-technical conference comments for Docket No. AD24-11 and potential plan for pre-submission stakeholder consultation.

Synchronized Reserve Deployment Enhancement Update

Materials are posted as informational only.

Net Energy Injections Quarterly Review

Materials are posted as informational only.

Interregional Coordination Update

Materials are posted as informational only.

Stability Limits in Markets and Operations

Materials are posted as informational only.

ARR FTR Market Task Force (AFMTF)

Meeting materials are posted to the [AFMTF website](#).

Cost Development Subcommittee (CDS)

Meeting materials are posted to the [CDS website](#).

Distributed Resources Subcommittee (DISRS)

Meeting materials are posted to the [DISRS website](#).

Market Settlements Subcommittee (MSS)

Meeting materials are posted to the [MSS website](#).

Report on Market Operations

The Report on Market Operations will be reviewed during the [MC Webinar](#).

Future Meeting Dates and Materials

| Date | Time | Location | Materials Due to Secretary | Materials Published |
|------|------|----------|----------------------------|---------------------|
|------|------|----------|----------------------------|---------------------|

| | | | 5:00 p.m. EPT deadline* | |
|------------|--------|--------------------------------------|-------------------------|-------------|
| December 4 | 9 a.m. | WebEx / Conference & Training Center | November 22 | November 27 |
| January 8 | 9 a.m. | WebEx / Conference & Training Center | December 27 | January 1 |
| February 5 | 9 a.m. | WebEx / Conference & Training Center | January 24 | January 29 |

*Materials received after 12:00 p.m. EPT are not guaranteed timely posting by 5:00 p.m. EPT on the same day.

Author: Stefan Starkov

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.

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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.

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On the Phone, Dial



to Mute/Unmute

Linking Teleconference Connection to Webex

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.

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.*



Minutes

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