

Market Implementation Committee
PJM Conference & Training Center/Webex
January 8, 2025
9:00 a.m. – 4:00 p.m. EPT

Administration (9:00 – 9:05)

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

The committee was asked to approve the draft minutes from the December 4, 2024 Market Implementation Committee meeting.

First Reads (9:05 – 11:45)

1. Manual Changes for CIFP-RA: Phase 2 (9:05 – 9:40)
Skyler Marzewski, PJM, presented a first read on conforming manual changes to Manual 11: Energy & Ancillary Services Market Operations, Manual 18: PJM Capacity Market, and Manual 28: Operating Agreement Accounting regarding CIFP-RA: Phase 2.
The committee will be asked to endorse the revisions at the next meeting.
2. Operating Reserve Clarification (9:40 – 11:10)
Lisa Morelli and Brian Weathers, PJM, presented a first read on a PJM/IMM proposal regarding Operating Reserve Clarification.
The committee will be asked to endorse the revisions at the next meeting.
3. Black Start Base Formula Rate (11:10 – 12:00)
Glen Boyle, PJM, presented a first read on the proposed PJM package.
[Issue Tracking: Black Start Base Formula Rate](#)
The committee will be asked to endorse the revisions at the next meeting.

Lunch (12:00 – 1:00)

Working Items (1:00 – 4:00)

4. Demand Response Availability Window (1:00 – 2:30)
Foluso Afelumo, PJM, led a discussion on solution packages within the matrix.
 - a. Pat Bruno, PJM, presented a PJM solution package on DR Availability Window.
 - b. Additional materials are posted as informational only.[Issue Tracking: DR Availability Window](#)
5. External Resource Capacity Clearing (2:30 – 4:00)

Pete Langbein, PJM, presented design components on External Resource Capacity Clearing.

John Rohrbach, ACES Power, presented solution options on External Resource Capacity Clearing.

[Issue Tracking: External Resource Capacity Clearing](#)

Attendance

In-Person		
Name	Company	Sector
Afelumo, Foluso (Chair)	PJM Interconnection	None
Starkov, Stefan (Secretary)	PJM Interconnection	None
Anders, David	PJM Interconnection	None
Anderson, Bob	Tenaska Power Services Co.	Generation Owner
Anderson, Juliet	Constellation Energy Generation, LLC	Generation Owner
Boyle, Glen	PJM Interconnection	None
Bruno, Patrick	PJM Interconnection	None
Carroll, Rebecca	PJM Interconnection	None
Chmielewski, Brian	PJM Interconnection	None
Connolly, Matthew	PJM Interconnection	None
Detweiler, Katie	Federal Energy Regulatory Commission	None
Downs, Jere	PJM Connect	None
Ford, Adrien	Constellation Energy Generation, LLC	Generation Owner
Greening, Michele	PJM Interconnection	None
Hall, Mary	PJM Interconnection	None
Hohenshilt, Jennifer	Talen Energy Marketing, LLC	Generation Owner
Horger, Tim	PJM Interconnection	None
Kenney, Susan	PJM Interconnection	None
Kirk, Steven	NextEra Energy Marketing, LLC	Other Supplier
Kogut, George	New York Power Authority	Other Supplier
Lafayette, Robin	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
LeithYessian, Devin	Other	None
Mabry, David	McNees Wallace & Nurick LLC	None
Morelli, Lisa	PJM Interconnection	None
Rohrbach, John	Wabash Valley Power Association, Inc.	Electric Distributor
Rumsey, Amanda	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Scarp, David	Calpine Energy Services, L.P.	Generation Owner
Stadelmeyer, Rebecca	Jersey Green Energy LLC	Other Supplier
Stern, Alexander	Exelon Business Services Company, LLC	Transmission Owner
Suh, Jung	Calpine Energy Solutions, LLC	Generation Owner
Croop, Danielle	PJM Interconnection	None
Martin, Amanda	PJM Interconnection	None
Coyne, Suzanne	PJM Interconnection	None
Disciullo, Nicholas	PJM Interconnection	None
Weathers, Brian	PJM Interconnection	None
Luna, Joel	Monitoring Analytics	None
Sweeney, Rory	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Baizman, Aaron	PJM Interconnection	None
Pilong, Melissa	PJM Interconnection	None
Marzewski, Skyler	PJM Interconnection	None
Horning, Lynn Marie	American Municipal Power, Inc.	Electric Distributor
Mason, Gary	Monongahela Power Company	Transmission Owner
Webex		
Name	Company	Sector
Abdur-Rahman, Muhsin	Dynegy Marketing and Trade, LLC (DECAM)	None
Afelumo, Foluso	PJM Interconnection	None
Ahuja, Manan	RiverCrest Power-South, LLC	None
Allen, Gerald	Non-Member	None
Anders, David	PJM Interconnection	None

Anderson, Juliet	Constellation Energy Generation, LLC	Generation Owner
Anderson, Jared	S&P Global Commodity Insights	None
Arkatin, Tyler	PJM Interconnection	None
Armijo, Cyrus	EDF Trading North America, LLC	Other Supplier
Bachus, Tim	PJM Interconnection	None
Baizman, Aaron	PJM Interconnection	None
Banks, Markia	Duquesne Light Company	Transmission Owner
Barker, Jason	Vitol Inc.	Generation Owner
Barmack, Matthew	Calpine Energy Services, L.P.	None
Beebe, Chris	Enersponse LLC	None
Belenky, Maria	PJM Interconnection	None
Bhat, Ashwini	PJM Interconnection	None
Bleiweis, Bruce	Other	None
Bondi, Greg	Constellation Energy Generation, LLC	None
Bowker, Shannon	PJM Interconnection	None
Bowring, Joseph	Monitoring Analytics	None
Boyle, Glen	PJM Interconnection	None
Branch, John	Enel X North America, Inc.	None
Breidenbaugh, Aaron	Enerwise Global Technologies, LLC	None
Bresler, Stu	PJM Interconnection	None
Brodbeck, John	EDP Renewables	None
Bruno, Joshua	PJM Interconnection	None
Cabezas, Angela	PJM Connect	None
Callen, Zachary	Illinois Commerce Commission	None
Campbell, Bruce	Campbell Energy Advisors	None
Canchi, Devendra	Monitoring Analytics	None
Cao, Roger	PJM Interconnection	None
Carrier, Ronald	Big Lake Consulting Group, LLC	None
Carroll, Rebecca	PJM Interconnection	None
Chang, Sean	Shell Energy North America (US), L.P.	None
Chmielewski, Brian	PJM Interconnection	None
Christopher, Mahila	Public Utilities Commission of Ohio	None
Ciabattoni, Joseph	PJM Interconnection	None
Clarke, Linda	PJM Interconnection	None
Cocco, Michael	Old Dominion Electric Cooperative	Electric Distributor
Connolly, Matthew	PJM Interconnection	None
Coyle, Billy	Dominion Virginia Power	None
Coyne, Suzanne	PJM Interconnection	None
Curtin, Haley	PJM Interconnection	None
Cusick, Kerinia	Other	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
DiNicola, Laura	American Transmission Systems, Inc.	Transmission Owner
Disciullo, Nicholas	PJM Interconnection	None
Domian, Christin	Duquesne Light Company	Transmission Owner
Donohue, Erin	Enel X North America, Inc.	Other Supplier
Downs, Jere	PJM Connect	None
Drauschak, Lisa	PJM Interconnection	None
Drew, Sam	Voltus, Inc.	None
Drom, Rick	Rick Drom	None
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Ellis, Jordan	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Ericson, Christine	Illinois Commerce Commission	None
Esterly, Theresa	PJM Interconnection	None
Evergam, Scott	Blue Horseshoe Energy LLC	None
Fan, Zhenyu	PJM Interconnection	None
Farnsworth Jr, Byron	Wellsboro Electric Company	None
Farrell, James	Eastern Generation LLC	Generation Owner
Fee, George	Appalachian Power Company (AEP Generation)	Transmission Owner
Fereshetian, Damon	PJM Interconnection	None

Ferguson, Mike	InDeck Energy Services, Inc.	None
Filomena, Guy	Customized Energy Solutions, Ltd.	None
Fink, Sari	Other	None
Flamm, Sean	PJM Interconnection	None
Foladare, Kenneth	Geenex Solar LLC	None
Foster, Tom	PJM Interconnection	None
Foster Cronin, Denise	East Kentucky Power Cooperative, Inc.	Transmission Owner
Franks, Edmund	PJM Interconnection	None
Frogg, Darrell	PJM Interconnection	None
Gaddameedi, Neeraja	PJM Interconnection	None
Gahimer, Mike	Maryland Solar LLC	None
Gajdowski, Denise	PJM Interconnection	None
Gates, Terry	Appalachian Power Company (AEP Generation)	Transmission Owner
Ghosh, Abhishek	Cypress Creek Renewables, LLC	Generation Owner
Gilani, Rehan	Castleton Commodities Energy Services LLC	None
Gordon, Jonathan	Advanced Energy Economy	None
Gorman, Bradley	American Transmission Systems, Inc.	Transmission Owner
Greene, Benjamin	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Greening, Michele	PJM Interconnection	None
Greiner, Gary	PSEG Energy Resources and Trade LLC	None
Grey, Bruce	Samsung	None
Guignet, Douglas	PJM Interconnection	None
Guignet, Douglas	PJM Interconnection	None
Guntle, Vince	American PowerNet Management, L.P.	End-Use Customer
Hanawa, Angie	Enel X North America, Inc.	None
Hanawa, Angie	Enel X North America, Inc.	Other Supplier
Handlin, Mike	PJM Interconnection	None
Hastings, David	Long Island Lighting Company dba LIPA	None
Hauske, David	PJM Interconnection	None
Heinle, Frederick	Dynegy Marketing and Trade, LLC	Generation Owner
Heisey, Bradley	Tenaska Pennsylvania Partners, LLC	None
Helms, Joseph	Commonwealth Chesapeake Company, LLC	None
Higgins, Sharon	Duke Energy Kentucky, Inc.	Transmission Owner
Hoatson, Tom	West Deptford Energy, LLC	Generation Owner
Hohenshilt, Jennifer	Talen Energy Marketing, LLC	Generation Owner
Holland, Risa	PJM Interconnection	None
Holter, Natasha	PJM Interconnection	None
Hooker, Marquette	Dominion Virginia Power	None
Horger, Tim	PJM Interconnection	None
Horner, Adrian	Geenex Solar LLC	Other Supplier
Horning, Lynn	American Municipal Power, Inc.	Electric Distributor
Horstmann, John	Dayton Power & Light Company (The)	Transmission Owner
Hsia, Eric	PJM Interconnection	None
Hu, Yong	PJM Interconnection	None
Huang, James	Electranet REP I, LLC	None
Hudis, Gabriella	Gabel Associates	None
Hunter, Benjamin	Other	None
Hurd, Shawn	Monongahela Power Company	Transmission Owner
Hyatt, Earl	Monitoring Analytics	None
Hyzinski, Tom	GT Power Group, LLC	None
Iler, Arthur	Other	None
Janicki, Diane	Boston Energy Trading and Marketing LLC	None
Jardot, Gina	NRG Curtailment Solutions, Inc.	None
Jens, Thomas	Black Oak Capital, LLC	None
Johnson, Carl	Customized Energy Solutions, Ltd.	None
Johnston, David	Other	None
Jones, Scott	Indiana Office of Utility Consumer Counselor	None
Kane, Timothy	PJM Interconnection	None
Kelly, Stephen	Brookfield Renewable Trading and Marketing LP (BSMH)	Other Supplier
Kenney, Susan	PJM Interconnection	None
Kilgallen, Kevin	Avangrid Renewables, LLC	None
Kimmel, David	PJM Interconnection	None

Kirk, Ryan	Appalachian Power Company (AEP Generation)	Transmission Owner
Klingensmith, Laurel	American Transmission Systems, Inc.	Transmission Owner
Konowol, Richard	PJM Interconnection	None
Lacek, Mollie	PJM Interconnection	None
Laos, Takis	Appalachian Power Company (AEP Transmission)	Transmission Owner
Lambert, Benjamin	PJM Interconnection	None
Langbein, Peter	PJM Interconnection	None
Lee, Ray	PJM Interconnection	None
Lee, Brian	ACES Power	Other Supplier
Lejcar, Jamie	Allegheny Electric Cooperative, Inc.	Other Supplier
Lowenthal-Savy, Danielle	Monitoring Analytics	None
Lu, Chenchao	PJM Interconnection	None
Luna, Jeol Romero	Monitoring Analytics	None
Mabry, David	McNees Wallace & Nurick LLC	None
Mariam, Yohannes	Office of the People's Counsel for the District of Columbia	None
Marshall-Torres, Emma	Other	None
Marzewski, Skyler	PJM Interconnection	None
Mascarenhas, Sandeep	Brookfield Renewable Trading and Marketing LP	None
Mason, Gary	Monongahela Power Company	Transmission Owner
Massarelli, Eva	Dominion Virginia Power	None
McComb, John	PJM Interconnection	None
McCorry, Hannah	Illinois Commerce Commission	None
McElwaine, Kathy	PJM Interconnection	None
Melkonich, Hannah	PJM Interconnection	None
Mendez Perez, Victor	Commonwealth Edison Company	Transmission Owner
Mihaly, Imola	Nautilus Power, LLC	None
Miller, John	Calico Energy	None
Monroe, Diane	PJM Interconnection	None
Morelli, Lisa	PJM Interconnection	None
Mroz, David	PJM Interconnection	None
Murray, Jeffery	Dominion Virginia Power	None
Norton, Chris	American Municipal Power, Inc.	Electric Distributor
OHara, Bernard	Other	None
Olaleye, Michael	PJM Interconnection	None
O'Leary, Christopher	PSEG Energy Resources and Trade LLC	None
Olinger, Robert	Keystone-Conemaugh Projects, LLC (Conemaugh)	None
Ondayko, Brock	AEP Energy Partners, Inc. (AEP Gen Resources)	None
Osborn, Eric	EDF Trading North America, LLC	None
Pakela, Greg	DTE Energy Trading, Inc.	None
Parrot, Sarah	Other	None
Patel, Keyurbhai	PJM Interconnection	None
Peoples, John	Duquesne Light Company	Transmission Owner
Petrov, Matt	PJM Interconnection	None
Phillips, Darlene	PJM Interconnection	None
Pierpont, Dan	Riverside Generating Company, L.L.C.	None
Pilong, Melissa	PJM Interconnection	None
Pilong, Christopher	PJM Interconnection	None
Pohlod, Michael	Voltus, Inc.	None
Poulos, Greg	PJM Interconnection	None
Rasmussen, Jay	Duke Energy Business Services LLC	Transmission Owner
Rettig, Kacie	Rockland Electric Company	None
Rode, Advait	Other	None
Rohrbach, John	Wabash Valley Power Association, Inc.	None
Rutledge, Craig	Appalachian Power Company (AEP Generation)	Electric Distributor
Salaneck, Alexandra	Monitoring Analytics	None
Sasser, Jonathan	Customized Energy Solutions, Ltd.	None
Scarpignato, Dave	Calpine Energy Services, L.P.	Generation Owner
Scheidecker, Paul	Monitoring Analytics	None
Scheirer, Alexandra	Jersey Green Energy LLC	Other Supplier
Schmatz, Peter	PSEG Energy Resources and Trade LLC	None
Schuyler, Ken	PJM Interconnection	None
Shah, Vijay	PJM Interconnection	None

Simon, Emma	EDF Renewable Development, Inc.	None
Singh, Harsimran	Parkway Generation Operating LLC	None
Skucas, Ruta	PJM Committee Voting Generic Account	None
Sloan, Ben	Other	None
Smith, Kara	Buckeye Power, Inc.	Other Supplier
Sotkiewicz, Paul	E-Cubed Policy Associates	None
Souder, Michelle	PJM Interconnection	None
Stadelmeyer, Rebecca	Jersey Green Energy LLC	Other Supplier
Starkov, Stefan	PJM Interconnection	None
Stern, Alexander	Exelon Business Services Company, LLC	Transmission Owner
Stone, Andy	Andy Stone	None
Strange, Rob	Yes Energy LLC	None
Sturgeon, John	Duke Energy Business Services LLC	Transmission Owner
Suh, Jung	Calpine Energy Services, L.P.	Generation Owner
Sussler, Philip	Other	None
Swalwell, Brad	Tangent Energy Solutions, Inc.	Other Supplier
Sweeney, Rory	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Swigonski, Frank	Jupiter Power LLC	Other Supplier
Talebi, Tessa	Federal Energy Regulatory Commission	None
Tesfa, Bebiat	PJM Interconnection	None
Tierney-Lloyd, Mona	Enel X North America, Inc.	None
Tribulski, Jennifer	PJM Interconnection	None
Ushijima, Hiroaki	Elwood Energy, LLC	Generation Owner
Vanderlaan, Bill	Illinois Commerce Commission	None
Vargo, Daniel	Allegheny Electric Cooperative, Inc	None
Vinnik, Daniel	PJM Interconnection	None
Waweru, James	PJM Interconnection	None
Webster, John	Icetec Energy Services	Other Supplier
Wehnes, Kathleen	Other	None
Whitehead, Jeffrey	GT Power Group	None
Widom, Stuart	PJM Interconnection	None
Yasutake, Sarah	Gabel Associates	None
Yessian, Devin-Leith	RTO Insider	None
Youth, Michael	North Carolina Electric Membership Corporation	Electric Distributor
Yovanovich, Laura	PPL Electric Utilities Corp. dba PPL Utilities (TO)	None
Zaheen, Maisha	Enel X North America, Inc.	None
Zangam, Sravani	PJM Interconnection	None
Zemanek, Kevin	Buckeye Power, Inc.	Other Supplier
Zhao, Tong	PJM Interconnection	None
Zhou, Ming	DXT Commodities North America Inc.	None
Zinsmaster, Luke	ACES Power	Other Supplier

Informational Section

Grid-Enhancing Technologies Update

A presentation has been posted to the info only materials highlighting the newly formed webpage and technical reference guides on pjm.com for Grid Optimization Solutions. Stakeholders are encouraged to visit the page to learn more about the grid enhancing technologies. A subject matter expert is in the room if there are any questions or you can reach out via email from the contacts in the presentation.

Risk Management Committee Update

The RMC has provided notice that a problem statement and issue charge related to the RPM Seller Credit has been approved and will begin to be worked starting with the December RMC meeting. Given the potential impact on capacity market rules, the RMC is making the MIC aware of this issue under discussion per the RMC charter. Please

consult the RMC November meeting materials for more information on the problem statement and issue charge. Meeting materials are posted to the [RMC website](#).

Interregional Coordination Update

Materials are posted as informational only.

Unit Specific Parameters

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			Materials Due to Secretary	Materials Published
Date	Time	Location	5:00 p.m. EPT deadline*	
January 8	9 a.m.	WebEx / Conference & Training Center	December 26	December 31
February 5	9 a.m.	WebEx / Conference & Training Center	January 24	January 29
March 5	9 a.m.	WebEx / Conference & Training Center	February 21	February 26
April 2	9 a.m.	WebEx / Conference & Training Center	March 21	March 26
May 7	9 a.m.	WebEx / Conference & Training Center	April 25	April 30
June 4	9 a.m.	WebEx / Conference & Training Center	May 23	May 28
July 9	9 a.m.	WebEx / Conference & Training Center	June 27	July 2
August 6	9 a.m.	WebEx / Conference & Training Center	July 25	July 30
September 10	9 a.m.	WebEx / Conference & Training Center	August 29	September 3
October 9	9 a.m.	WebEx / Conference & Training Center	September 29	October 2
November 5	9 a.m.	WebEx / Conference & Training Center	October 24	October 29
December 3	9 a.m.	WebEx / Conference & Training Center	November 21	November 26



Draft Minutes

*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.

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.

Participant Use of Webex Chat:

The use of the Webex chat feature during meetings shall be primarily reserved for administrative and logistical purposes, such as managing a question or comment queue, noting technical difficulties, and meeting support or management purposes. Utilizing Webex chat for any other commentary should be limited to short phrases. Detailed commentary or substantive dialog shall be shared orally by entering the speaker queue.

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.*

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