

Market Implementation Committee Special Session: Quadrennial Review

Webex

April 22, 2022

9:00 a.m. – 12:00 p.m. EPT

[Issues Tracking Page](#)

Administration (9:00-9:05)

1. Rebecca Carroll, PJM, provided a welcome and announcements.

Nikki Militello, PJM reviewed the Antitrust, Code of Conduct, and Public Meetings/ Media Participation Guidelines. **The committee approved the draft minutes from the March 25, 2022 Special Session.**

Education (9:05-11:55)

2. Patrick Bruno, PJM, provided a detailed overview of the E&AS Offset Methodology. (9:05 – 9:35)
3. Monitoring Analytics provided comments on the various components of the Quadrennial Review. (9:35 – 10:55)
 - a. Joe Bowring reviewed the market monitor's Quadrennial Review proposal and results.
 - b. Joe Bowring reviewed the market monitor's analysis of the impact of proposed VRR Curves.
4. Gary Helm, PJM, led an open discussion soliciting additional comments and feedback from stakeholders with respect to the approach to the Quadrennial Review and/or items PJM should consider prior to presenting its package at the May Markets Implementation Committee (MIC). (10:55 – 11:55)

Rebecca Carroll concluded the meeting by directing stakeholders to provide any additional feedback to PJM by end of business on Monday, May 2, 2022 to ensure PJM can consider it prior to the May MIC posting deadline of May 4. Additionally, the Quadrennial Review work plan was reviewed to reinforce the opportunities available for additional feedback via the CBIR process throughout the summer months.


Future Agenda Items (11:55-12:00)

CBIR Process

Action Items

1. PJM to provide details around how the VOM costs were estimated for the E&AS Offset analysis.

2. PJM to include Monitoring Analytics in the May 20 meeting agenda to provide feedback on Brattle’s final recommendations.
3. PJM to provide a review and explain the differences between Monitoring Analytics’ and PJM’s historical E&AS Offset values.
4. PJM to investigate the possibility of adding and/or updating a session to include a presentation by Brattle on final recommendations.
5. PJM to work with Brattle to make public any supporting materials and/or work papers associated with the final reports.
6. Monitoring Analytics to investigate the potential of doing a Marginal Reliability Impact (MRI) based VRR curve analysis.

Future Meeting Dates and Materials			Materials Due to Secretary 	Materials Published
Date	Time	Location		
May 20, 2022	9:00 am – 12:00 pm	TBD	May 12, 2022	May 17, 2022
June 21, 2022	9:00 am – 12:00 pm	TBD	June 13, 2022	June 16, 2022

Author: Nikki Militello

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.

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<p>On the Phone, Dial</p>  <p>to Mute/Unmute</p>	<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>
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Attendance

Last Name	First Name	Company	Sector
Abdur-Rahman	Muhsin	Vistra Corporation	N/A
Anders	David	PJM Interconnection	N/A
Asare	Kingsley	Hitachi Energy USA Inc.	N/A
Barrow	Kimberly	PA PUC	N/A
Bastian	Jeff	PJM Interconnection	N/A

Benchek	Jim	American Transmission Systems, Inc.	TO
Bowring	Joe	Monitoring Analytics	N/A
Boyle	Glen	PJM Interconnection	N/A
Breidenbaugh	Aaron	Centrica Business Solutions Optimize, LLC	OS
Bresler	Stu	PJM Interconnection	N/A
Brodbeck	John	EDP Renewables	GO
Bruno	Patrick	PJM Interconnection	N/A
Bryson	Mike	PJM Interconnection	N/A
Callen	Zachary	Illinois Commerce Commission	N/A
Campbell	Bruce	Enerwise Global Technologies, LLC	OS
Canchi	Devendra	Monitoring Analytics	N/A
Canter	David	Appalachian Power Company (AEP Generation)	TO
Cao	Roger	PJM Interconnection	N/A
Carmean	Gregory	OPSI	N/A
Carroll	Rebecca	PJM Interconnection	N/A
Chang	Sean	Shell Energy North America	OS
Christopher	Mahila	Public Utilities Commission of Ohio	
Collins	Ryan	Wright & Talisman, P.C.	N/A
Corash	Rich	PSEG Energy Resources & Trade LLC	OS
Croop	Danielle	PJM Interconnection	N/A
Curtis	Kenneth	Drilling Info, Inc.	N/A
D'Antonio	Phil	PJM Interconnection	N/A
Davis	Jim	Dominion Energy Generation Marketing, Inc.	GO
Dorko	Keri	Monitoring Analytics	N/A
Duensing	Allison	Saracen Power LP	OS
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	TO
Dumitriu	Nick	PJM Interconnection	N/A
Fabiano	Janell	PJM Interconnection	N/A
Farhat	Michelle	PJM Interconnection	N/A
Filomena	Guy	Customized Energy Solutions	N/A
Fink	Sari	American Wind Energy Association	N/A
Fink	Regan	Pine Gate Mid-Atlantic, LLC	OS
Fitch	Neal	NRG Power Marketing, LLC	GO
Foladare	Ken	Geenex Solar LLC	OS
Ford	Adrien	ODEC	ED

Foster Cronin	Denise	East KY Power Cooperative, Inc.	TO
Franks	Christine	PJM Interconnection	N/A
Gates	Terry	Appalachian Power Company	TO
Gautam	Suman	PA Consulting	NA
Gorman	Brad	American Transmission Systems, Inc.	TO
Graf	Walter	PJM Interconnection	N/A
Hagerty	Mike	The Brattle Group	N/A
Hauske	Tom	PJM Interconnection	N/A
Heinle	Frederick	Office of the Peoples Counsel for DC	EUC
Heisey	Bradley	Tenaska Pennsylvania Partners, LLC	GO
Helm	Gary	PJM Interconnection	N/A
Herel	Suzanne	PJM Interconnection	N/A
Hoatson	Thomas	West Deptford Energy, LLC	GO
Hohenshilt	Jennifer	Talen Energy Marketing, LLC	GO
Horning	Lynn	Customized Energy Solutions	N/A
Horstmann	John	Dayton Power & Light Company (The)	TO
Hough	Denny	PJM Interconnection	N/A
Hyzinski	Tom	GT Power Group	N/A
Iler	Art	Indiana Office of Utility Consumer Counselor	EUC
Janicki	Diane	Boston Energy Trading and Marketing LLC	OS
Jardot	Gina	NRG Curtailment Solutions, Inc.	OS
Johnson	Carl	Customized Energy Solutions	N/A
Johnston	Dave	Indiana Utility Regulatory Commission	N/A
Josyula	Siva	Monitoring Analytics	N/A
Kalaskar	Rahul	AES Ohio Generation, LLC	GO
Kayne	Samuel	DE PSC	N/A
Keech	Adam	PJM Interconnection	N/A
Keenan	Matthew	Elwood Energy, LLC	GO
Kelly	Stephen	Brookfield Renewable Trading and Marketing LP	OS
Kent	Janessa	Duquesne Light Company	TO
Knotts	Pam	DE PSC	N/A
Kogut	George	NYPA	OS
Ladin	Sarah		N/A
Lai	Erin	PJM Interconnection	N/A
Lieberman	Steve	American Municipal Power, Inc.	ED

Lu	Chen	PJM Interconnection	N/A
Mabry	David	McNees Wallace & Nurick LLC	N/A
Marzewski	Skyler	PJM Interconnection	N/A
McDewell	Christian	PA PUC	N/A
McNeil	Justin	Office of the Attorney General - Kentucky	EUC
Midgley	Sharon	Exelon Business Services Company, LLC	TO
Militello	Nikki	PJM Interconnection	N/A
Mooney	Jeff	American Transmission Systems, Inc.	TO
Moye	Bob	Tyr Energy, LLC	OS
Neu	Scott	AES Integrated Energy, LLC	OS
Newell	Sam	The Brattle Group	N/A
O'Brien	Thomas	PJM Interconnection	N/A
Okenfuss-Savion	James	Savion, LLC	N/A
Ondayko	Brock	AEP Energy Partners, Inc.	TO
Pakela	Gregory	DTE Energy Trading, Inc.	OS
Paryl	Ron	Carroll County Energy LLC	GO
Pasteris	Ray	Monitoring Analytics	N/A
Peoples	John	Duquesne Light Company	TO
Perera	Asanga	PJM Interconnection	N/A
Pilong	Melissa	PJM Interconnection	N/A
Poulos	Greg	OPSI	N/A
Robinson	Becky	Dynegy Marketing and Trade, LLC	GO
Rohrbach	John	Wabash Valley Power Association, Inc.	ED
Rutigliano	Tom	NRDC	N/A
Rutledge	Craig	Appalachian Power Company	TO
Sasser	Jonathan	Customized Energy Solutions	N/A
Scarpignato	David	Calpine Energy Services, L.P.	GO
Schmitt	David	NJ Board of Public Utilities	N/A
Schuyler	Ken	PJM Interconnection	N/A
Shanker	Roy	HQ Energy Services	OS
Sotkiewicz	Paul	E-Cubed Policy Associates	N/A
Spees	Kathleen	The Brattle Group	N/A
Spencer	Mark	LS Power	N/A
Stern	Alexander	Public Service Electric & Gas Company	TO
Stotesbury	Christina	PJM Interconnection	N/A

Svenson	Heather	Public Service Electric & Gas Company	TO
Swalwell	Brad	Tangent Energy Solutions, Inc.	OS
Sweeney	Rory	GT Power Group, LLC	N/A
VanderLaan	William	Illinois Commerce Commission	N/A
Vargo	Daniel	Allegheny Electric Cooperative	ED
Ward	Michael	PJM Interconnection	N/A
Whitehead	Jeffrey	GT Power Group	N/A
Wilson	James	Wilson Energy Economics	N/A
Yoder	Michael	RTO Insider	N/A
Zemanek	Kevin	Buckeye Power, Inc.	ED

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