

## Market Implementation Committee Special Session: Quadrennial Review

Webex

August 27, 2021

1:00 p.m. – 4:00 p.m. EPT

[Issues Tracking Page](#)

### Administration (1:00-1:10)

1. Rebecca Carroll, PJM, provided a welcome and announcements. Nicole Militello, PJM reviewed the Antitrust, Code of Conduct, and Public Meetings/ Media Participation Guidelines.
2. The committee approved the draft minutes from the August 17, 2021 Special Session.

### Education (1:10-3:55)

3. Tom Falin, PJM, reviewed forecast accuracy metrics from the Load Analysis Subcommittee and discussed model improvements that have been made in recent years.
4. Joe Bowring, Independent Market Monitor, provided the IMM's suggested approach to the Quadrennial review.
5. Gary Helm, PJM, lead an open discussion soliciting additional comments and feedback from stakeholders with respect to the approach to the Quadrennial review and/or the questions Brattle has raised in prior meetings.

### Future Agenda Items (3:55-4:00)

VRR Curve Study Results

Reference Technology Selection

| Future Meeting Dates and Materials |                   |          | Materials Due to Secretary  | Materials Published |
|------------------------------------|-------------------|----------|--|---------------------|
| Date                               | Time              | Location |  |                     |
| October 8, 2021                    | 9:00 am – 4:00 pm | Webex    | September 30, 2021   | October 5, 2021     |
| December 6, 2021                   | 9:00 am – 4:00 pm | Webex    | November 24, 2021  | December 1, 2021    |
|                                    |                   |          |  |                     |
|                                    |                   |          |  |                     |

Author: Nicole 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.

**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.

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| <p><b>On the Phone, Dial</b></p>  <p>to Mute/Unmute</p> | <p><b>Linking Teleconference Connection to Webex</b></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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| <p><b>Join a Meeting</b></p> | <ol style="list-style-type: none"> <li>1. Join meeting in the Webex desktop client</li> <li>2. Enter name (<i>First and Last*</i>) and corporate email</li> <li>3. Under "Select Audio Option" select "Call Me" option from the dropdown menu</li> </ol> |
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*\*Note: Anonymous users or those using false usernames or emails will be dropped from the teleconference.*

**Attendance**

| Last Name    | First Name | Company                             | Sector |
|--------------|------------|-------------------------------------|--------|
| Abdur-Rahman | Muhsin     | Vistra Corporation                  | N/A    |
| Anders       | David      | PJM Interconnection                 | N/A    |
| Barker       | Jason      | Exelon Business Services            | TO     |
| Bastian      | Jeff       | PJM Interconnection                 | N/A    |
| Benckek      | Jim        | American Transmission Systems, Inc. | TO     |
| Bennett      | Stephen    | PJM Interconnection                 | N/A    |
| Bowring      | Joe        | Monitoring Analytics                | N/A    |
| Brodbeck     | John       | EDP Renewables                      | GO     |

|            |           |  |     |
|------------|-----------|--|-----|
| Brown      | Richard   | PJM Interconnection                                    | N/A |
| Bruno      | Patrick   | PJM Interconnection                                    | N/A |
| Callen     | Zachary   | Illinois Commerce Commission                           | N/A |
| Canter     | David     | Appalachian Power Company (AEP Generation)             | TO  |
| Carless    | Travis    | The Brattle Group                                      | N/A |
| Carmean    | Gregory   | OPSI   | N/A |
| Carroll    | Rebecca   | PJM Interconnection                                    | N/A |
| Chang      | Sean      | Shell Energy North America                             | OS  |
| Davis      | David     | Strata Solar   | N/A |
| Davis      | Elizabeth | PJM Interconnection                                    | N/A |
| Davis      | Jim       | Dominion Energy Generation Marketing, Inc.             | GO  |
| Davis      | David     | Strata Solar   | N/A |
| Dossin     | Sophia    | Invenergy, LLC   | GO  |
| Elkins     | Rachel    | American Transmission Systems, Inc.                    | TO  |
| Ericson    | Christine | Illinois Commerce Commission                           |     |
| Falin      | Tom       | PJM Interconnection                                    | N/A |
| Fee        | George    | Appalachian Power Company                              | TO  |
| Filomena   | Guy       | Customized Energy Solutions                            | N/A |
| Foladare   | Ken       | Geenex Solar LLC                                       | OS  |
| Gahimer    | Michael   | Indiana Office of Utility Consumer Counselor (IN OUCC) | EUC |
| Gebolys    | Debbie    | Public Utilities Commission of Ohio                    | N/A |
| Gilani     | Rehan     | Consolidated Edison Energy, Inc.                       | OS  |
| Gledhill   | Andrew    | PJM Interconnection                                    | N/A |
| Gorman     | Brad      | American Transmission Systems, Inc.                    | TO  |
| Graf       | Walter    | PJM Interconnection                                    | N/A |
| Greening   | Michele   | PJM Interconnection                                    | N/A |
| Greiner    | Gary      | PSEG Energy Solutions, LLC                             | OS  |
| Hastings   | David     | Market Interconnection Consulting Services (MICS)      | 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 |
| Hohenshilt | Jennifer  | Talen Energy Marketing, LLC                            | GO  |
| Horning    | Lynn      | Customized Energy Solutions                            | N/A |
| Horstmann  | John      | Dayton Power & Light Company (The)                     | TO  |

|           |           |   |     |
|-----------|-----------|---|-----|
| Hudis     | Gabriella | Jersey Green Energy LLC                         | OS  |
| Hyatt     | John      | Monitoring Analytics                            | 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  |
| Johnson   | Carl      | Customized Energy Solutions                     | N/A |
| Josyula   | Siva      | Monitoring Analytics                            | N/A |
| Kauffman  | Brian     | Enel X North America, Inc.                      | OS  |
| Keenan    | Matthew   | Elwood Energy, LLC                              | GO  |
| Kelly     | Stephen   | Brookfield Renewable Trading and Marketing LP   | OS  |
| Kerecman  | Joseph    | Calpine Energy Services, LP                     | GO  |
| Knotts    | Pam       | DE PSC  | N/A |
| Kogut     | George    | NYPA  | OS  |
| LaRocque  | Matt      | PJM Interconnection                             | N/A |
| libbos    | robin     | Monongahela Power Company d/b/a Allegheny Power | TO  |
| Lu        | Chen      | PJM Interconnection                             | N/A |
| Mabry     | David     | McNees Wallace & Nurick LLC                     | N/A |
| Marzewski | Skyler    | PJM Interconnection                             | N/A |
| Matheson  | Eric      | N/A   | N/A |
| McCormick | Katharine | Illinois Commerce Commission                    | 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 |
| Newell    | Sam       | The Brattle Group                               | N/A |
| Nix       | Emma      | Jersey Green Energy, LLC                        | OS  |
| Ondayko   | Brock     | AEP Energy Partners, Inc.                       | TO  |
| Peacey    | Denelle   | TransAlta Energy Marketing (U.S.) Inc.          | OS  |
| Pelletier | Eveline   | H.Q. Energy Services (U.S.), Inc.               | OS  |
| Perera    | Asanga    | PJM Interconnection                             | N/A |
| Philips   | Marjorie  | LS Power  | N/A |
| Poulos    | Greg      | OPSI  | N/A |
| Pungaliya | Rajat     | Pine Gate Mid-Atlantic, LLC                     | OS  |
| Rainey    | John      | Northern Virginia Electric Cooperative (NOVEC)  | ED  |
| Roberts   | Casey     | Sierra Club                                     | N/A |
| Robinson  | Becky     | Dynegy Marketing and Trade, LLC                 | GO  |

|             |           |                                       |     |
|-------------|-----------|---------------------------------------|-----|
| Rodriguez   | Tomas     | OPSI                                  | N/A |
| Rohrbach    | John      | Wabash Valley Power Association, Inc. | ED  |
| Rutigliano  | Tom       | NRDC                                  | N/A |
| Scarpignato | David     | Calpine Energy Services, L.P.         | GO  |
| Scheirer    | Alexandra | PJM Interconnection                   | N/A |
| Schmitt     | David     | NJ Board of Public Utilities          | N/A |
| Schreim     | Morris    | MD PSC                                | N/A |
| Spencer     | Mark      | LS Power                              | N/A |
| Sweeney     | Rory      | GT Power Group, LLC                   | N/A |
| Tezak       | Christi   | CV Energy                             | N/A |
| Whitehead   | Jeffrey   | GT Power Group                        | N/A |
| Willey      | Amy       | DE PSC                                | N/A |
| Wilson      | James     | Wilson Energy Economics               | N/A |

Provide feedback on the progress of this group: [Facilitator Feedback Form](#)  
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