

**Reactive Power Compensation Task Force**  
**WebEx / Teleconference**  
**September 28, 2022**  
**1:00 p.m. – 4:00 p.m. EPT**

Issue Tracking: Reactive Power Compensation <https://www.pjm.com/committees-and-groups/task-forces/rpctf>

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

Danielle Croop and Risa Holland provided welcome, announcements, introductions, and review of the Antitrust, Code of Conduct, and Public Meetings/Media Participation Guidelines.

- Stakeholders approved the draft minutes from the August 1, 2022 RPCTF meeting.
- Danielle Croop, reviewed the Reactive Power Compensation Task Force work plan and agenda for today's meeting.

## Education (1:10-1:30)

1. Roger Cao and Darrell Frogg, PJM, provided an overview of the current reactive power testing criteria.

## CBIR Process (Proposed Options) (1:30-3:45)

2. Danielle Croop facilitated a discussion of proposal packages.
  - A. Dr. Joe Bowring, IMM, presented information on impacts to Capacity Clearing Prices regarding the IMM's proposal (Package F).
  - B. Andrew Levitt, PJM, presented on:
    - Draft Reactive Rate (Package E)
    - Illustrative Examples of Reactive Capability (D-Curves) and Corresponding Compensation (Package E)
  - C. Glen Boyle, PJM, lead a discussion of updates of PJM's proposal (Package E).
  - D. Frank Swigonski and Wade Horigan, CEC, were unable to present information on the Proxy Costs for Solar based on their proposal (Package B) and were scheduled to present at the October 20 RPCTF.
3. Danielle Croop, PJM, discussed next steps for the updated polling questions, requested stakeholders to send PJM any additional feedback they had, and that the polling questions would again be discussed at the October 20 RPCTF meeting.

| Future Meeting Dates and Materials |      |          | Materials Due to Secretary |  | Materials Published |
|------------------------------------|------|----------|----------------------------|---|---------------------|
| Date                               | Time | Location |                            |   |                     |

|                    |           |                        |                    |                    |
|--------------------|-----------|------------------------|--------------------|--------------------|
| September 28, 2022 | 1:00 p.m. | Webex / Teleconference | September 20, 2022 | September 23, 2022 |
| October 20, 2022   | 1:00 p.m. | Webex / Teleconference | October 12, 2022   | October 17, 2022   |
| November 29, 2022  | 1:00 p.m. | Webex / Teleconference | November 17, 2022  | November 22, 2022  |

Author: Risa Holland

| Last Name           | Company   | Sector             |
|---------------------|---|--------------------|
| Alfano, Melissa     | Solar Energy Industry Association                   | None               |
| Anthony, Tyler      | Goldman Sachs Renewable Power Operating Company LLC | None               |
| Benckek, Jim        | American Transmission Systems, Inc                  | Transmission Owner |
| Benson, Dan         | Duke Energy Indiana, LLC                            | Transmission Owner |
| Bethel, Dennis      | BERC LLC  | None               |
| Blair, Tom          | Monitoring Analytics                                | None               |
| Bowring             | Monitoring Analytics                                | None               |
| Boyle, Glen         | PJM Interconnection                                 | None               |
| Boyle, Sean         | Constellation                                       | Generation Owner   |
| Bunch, Kevin        | EDF Energy Services                                 | Other Supplier     |
| Cao, Roger          | PJM Interconnection                                 | None               |
| Carrier, Ronald     | Big Lake Consultant                                 | None               |
| Cham, Edrissa       | Savion Energy                                       | None               |
| Christopher, Mahila | Public Utilities Commission of Ohio                 | End-Use Customer   |
| Corash, Rich        | PSEG  | Other Supplier     |
| Cox, Jason          |   |                    |
| Croop, Danielle     | PJM Interconnection                                 | None               |
| Dantonio, Phil      | PJM Interconnection                                 | None               |
| Davis, David        | Apex Clean Energy Holdings, LLC                     | None               |
| Davis, James        | Dominion Energy Generation Marketing, Inc           | Generation Owner   |
| Dertzbaugh, Timothy | Solar Partners                                      | None               |
| DeVita, Thomas      | PJM Interconnection                                 | None               |
| Dollens, Aldon      | FERC  | None               |
| Dugan, Chuck        | East Kentucky Power Cooperative, Inc                | Transmission Owner |
| Fabiano, Janell     | PJM Interconnection                                 | None               |
| Fan, Zhenyu         | PJM Interconnection                                 | None               |
| Fink, Sari          | American Wind Energy Association                    | None               |
| Foladare, Kenneth   | Geenex Solar, LLC                                   | Other Supplier     |

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|----------------------|--|----------------------|
| Frogg, Darrell       | PJM Interconnection                            | None                 |
| Fuess, Christian     | White Pine Consulting                          | End-Use Customer     |
| Gaddes, Caleb        | Whitetail Solar 1, LLC                         | Generation Owner     |
| Gajdowski, Denise    | PJM Interconnection                            | None                 |
| Gates, Terry         | AEP Energy                                     | Transmission Owner   |
| Gorman, Bradley      | First Energy Corp.                             | Transmission Owner   |
| Guntle, Vince        | American Powernet                              | End-Use Customer     |
| Hauske, Thomas       | PJM Interconnection                            | None                 |
| He, Ray              | FERC   | None                 |
| Heisey, Bradley      | Tenaska Pennsylvania Partners, LLC             | Generation Owner     |
| Hoatson, Tom         | West Deptford Energy, LLC                      | Generation Owner     |
| Hohenshilt, Jennifer | Talen Energy                                   | Generation Owner     |
| Holdbrook, Ruth      | Northern Virginia Electric Cooperative (NOVEC) | Electric Distributor |
| Holland, Risa        | PJM Interconnection                            | None                 |
| Holter, Natasha      | PJM Interconnection                            | None                 |
| Horger, Tim          | PJM Interconnection                            | None                 |
| Horigan, Walter      | Tangibl Group, Inc                             | None                 |
| Horstmann, John      | Dayton Power & Light Company                   | Transmission Owner   |
| Hugee, Jacqui        | Dominion Energy Generation Marketing, Inc      | Transmission Owner   |
| Hyatt, Earl          | Monitoring Analytics                           | None                 |
| Hyzinski, Tom        | GT Power Group                                 | None                 |
| Idemitsu, Jesse      | Idemitsre Renewables                           | None                 |
| Johnson, Carl        | Customized Energy Solutions                    | None                 |
| Jones, Gregory D     |  | None                 |
| Jones, Peter         | Savion, LLC                                    | None                 |
| Jeune, Reynaldo Noel | Acciona Energy North American Corp.            | Generation Owner     |
| Kalaskar, Rahul      | AES laurel Mountain, LLC                       | Generation Owner     |
| Kelly, Ross          | PJM Interconnection                            | None                 |
| Kelly, Stephen       | Brookfield Renewable                           | Other Supplier       |
| Kusiak, Brian        | Torch Clean Energy                             | None                 |
| Lai, Erin            | PJM Interconnection                            | None                 |

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| Latone, Elisabeth   | FERC   | None                 |
| Levitt              | PJM Interconnection                              | None                 |
| Lockwood            | PJM Interconnection                              | None                 |
| Mabry, David        | McNees Wallace & Nurick LLC                      | None                 |
| Maceo, Antonio      |  | None                 |
| Midgley, Sharon     | Exelon Business Services Company, LLC            | Transmission Owner   |
| Morelli, Lisa       | PJM Interconnection                              | None                 |
| Moscovitz, Daniel   | PJM Interconnection                              | None                 |
| Muhl, Nancy         | PJM Interconnection                              | None                 |
| Nix, Emma           | Leeward Energy                                   | Generation Owner     |
| Okenfuss, James     | Savion, LLC                                      | None                 |
| Ondayko, Brock      | AEP Energy                                       | Transmission Owner   |
| Patel, Shodham      | Constellation Energy Generation, LLC             | Generation Owner     |
| Peacey, Denelle     | TransAlta Energy Marketing (U.S.) Inc.           | Other Supplier       |
| Poulos, Greg        | Organization of PJM States, Inc                  | None                 |
| Procnuiar, Jason    | Buckeye Power, Inc                               | Electric Distributor |
| Rainey, John        | Northern Virginia Electric Cooperative (NOVEC)   | Electric Distributor |
| Schuyler, Ken       | PJM Interconnection                              | None                 |
| Shade, Johannes     | FERC   | None                 |
| Sorrels, James      | AEP Appalachian Transmission Company, Inc        | Transmission Owner   |
| Sotkiewicz, Paul    | E-Cubed Policy Associates                        | None                 |
| Stern, Alexander    | Public Service Electric and Gas Company          | Transmission Owner   |
| Stupar, Rob         | Invenergy Energy Management, LLC                 | Generation Owner     |
| Sturgeon, John      | Duke Energy Business Services LLC                | Transmission Owner   |
| Svenson, Heather    | Public Service Electric and Gas Company          | Transmission Owner   |
| Sweeney, Rory       | GT Power Group, LLC                              | None                 |
| Swigonski, Frank    | Pine Gates Mid Atlantic, LLC                     | Other Supplier       |
| Valle, Alexander    | FERC   | None                 |
| Van den Heuvel, Kim | Algonquin Energy Services Inc, (Great Bay Solar) | Generation Owner     |
| Volpe, Michael      | Open Roads Renewables, LLC                       | Other Supplier       |
| Walcavich, Colin    | Green River Holdings, LLC                        | Generation Owner     |
| Yasutake, Sarah     | Gabel & Associates                               | None                 |

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| Yum, Phil          | PJM Interconnection             | None           |
| Zamarro, Alexander | Enel Trading North America, LLC | Other Supplier |

**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>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.*



# Draft Minutes

Provide feedback on the progress of this group: [Facilitator Feedback Form](#)  
Visit [learn.pjm.com](https://learn.pjm.com), an easy-to-understand resource about the power industry and PJM's role.