

Market Implementation Committee
WebEx / Conference & Training Center
September 6, 2023
9:00 a.m. – 12:30 p.m. EPT

Administration (9:00 – 9:05)

Amanda Martin reviewed the Antitrust, Code of Conduct, Public Meetings/Media Participation and the WebEx Participant Identification Requirements.

The Committee approved the draft minutes from the August 9, 2023 Market Implementation Committee by acclamation with 0 objections and 0 abstentions.

Endorsements/Approvals (9:05 – 10:50)

1. Manual 28 Periodic Review (9:05 – 9:15)

Suzanne Coyne, PJM, reviewed revisions to Manual 28: Operating Agreement Accounting resulting from the periodic review and the Undefined RegA Mileage Ratio FERC order EL21-83-000 effective on April 4, 2023.

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

2. Economic Demand Response Offer Parameters (9:15 – 10:00)

- a. Pete Langbein, PJM, provided education on status quo of demand response in PJM.
- b. David Aitoro, Voltus, reviewed a revised problem statement and revised issue charge for automating bid duration for economic demand response participating in energy markets.

The issue charge was withdrawn for consideration at this meeting will be reviewed for approval at a future meeting.

First Reads (10:00 – 12:15)

3. Performance Impact of the Multi-schedule Model on the Market Clearing Engine (10:00 – 11:00)

- a. Catherine Tyler, IMM, presented a joint IMM/GT Power package.
- b. Amanda Martin presented a comparison of packages.
- c. Foluso Afelumo led a discussion on the packages.

The committee will be asked to endorse a package at its next meeting.

[Issue Tracking: Performance Impact of the Multi-schedule Model on the Market Clearing Engine](#)

4. Local Considerations in Net Cost of New Entry (11:00 – 11:45)

- a. Gary Helm, PJM, reviewed the PJM-E-cubed-IMM package.
- b. Foluso Afelumo led a discussion on packages and next steps.

The committee will be asked to endorse a package at its next meeting.

[Issue Tracking: Local Considerations in Net Cost of New Entry](#)

5. Capacity Obligations for Forecasted Large Load Additions (11:45 – 12:15)

Josh Burkholder, AEP, and Jim Davis, Dominion, reviewed a problem statement and issue charge addressing capacity obligations for forecasted large load additions within a concentrated area. The committee will be asked to approve the issue charge at its next meeting.

Additional Items (12:15 – 12:20)

6. Cost Development Subcommittee Update (12:15 – 12:20)
Nicole Scott provided a Cost Development Subcommittee update.

Informational Section

eDART to SSO Account Migration

[Presentation](#) posted as informational only

Reserve Price Formation Update

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](#).

Reactive Power Compensation Task Force (RPCTF)

Meeting materials are posted to the [RPCTF 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 p.m. | 4 p.m. |
| October 4 | 9 a.m. | WebEx / Conference & Training Center | September 22 | September 27 |
| November 1 | 9 a.m. | WebEx / Conference & Training Center | October 20 | October 25 |

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|------------|--------|--------------------------------------|-------------|-------------|
| December 6 | 9 a.m. | WebEx / Conference & Training Center | November 22 | November 29 |
|------------|--------|--------------------------------------|-------------|-------------|

Author: A. Martin

Attendance

| In-Person Attendance | | |
|----------------------|---|----------------------|
| Name | Company | Sector |
| Afelumo, Foluso | PJM Interconnection | None |
| Anders, David | PJM Interconnection | None |
| Arkatin, Tyler | PJM Interconnection | None |
| Burkholder, Joshua | AEP Appalachian Transmission Company, Inc. | Transmission Owner |
| Cabezas, Angela | PJM Interconnection | None |
| Carroll, Rebecca | PJM Interconnection | None |
| Chmielewski, Brian | PJM Interconnection | None |
| Connolly, Matthew | PJM Interconnection | None |
| Coyne, Suzanne | PJM Interconnection | None |
| Croop, Danielle | PJM Interconnection | None |
| Davis, Jim | Dominion | Transmission Owner |
| Dumitriu, Nicolae | PJM Interconnection | None |
| Filomena, Guy | Customized Energy Solutions, Ltd. | None |
| Fishback, Luke | Affirmed Energy LLC (WMP) | Other Supplier |
| Ford, Adrien | Constellation Energy Generation, LLC | Generation Owner |
| Gledhill, Andrew | PJM Interconnection | None |
| Greening, Michele | PJM Interconnection | None |
| Helm, Gary | PJM Interconnection | None |
| Hohenshilt, Jennifer | Talen Energy Marketing, LLC | Generation Owner |
| Horger, Tim | PJM Interconnection | None |
| Horning, Lynn Marie | American Municipal Power, Inc. | Electric Distributor |
| Kirk, Steven | NextEra Energy Marketing, LLC | Other Supplier |
| Kogut, George | New York Power Authority | Other Supplier |
| Langbein, Peter | PJM Interconnection | None |
| Leith-Yessian, Devin | RTOinsider | None |
| Lu, Chenchao | PJM Interconnection | None |
| Martin, Amanda | PJM Interconnection | None |
| Mason, Gary | Monongahela Power Company d/b/a Allegheny Power | Transmission Owner |
| Morelli, Lisa | PJM Interconnection | None |
| Patel, Keyurbhai | PJM Interconnection | None |
| Scarp, David | Calpine Energy Services, L.P. | Generation Owner |
| Stern, Alexander | Exelon Business Services Company, LLC | Transmission Owner |
| Stinner, Doug | RWE Clean Energy, LLC | Generation Owner |
| Suh, Jung | Calpine Energy Solutions, LLC | Other Supplier |
| Sweeney, Rory | Northern Virginia Electric Cooperative (NOVEC) | Electric Distributor |
| Sweeney, Rory | Power Prose, Inc. | None |
| Tribulski, Jennifer | PJM Interconnection | None |
| Tyler, Catherine | Monitoring Analytics | None |
| WebEx Attendance | | |
| Name | Company | Sector |
| Abdur-Rahman, Muhsin | Dynegy Marketing & Trade, LLC (DECAM) | Generation Owner |
| Aitoro, David | Voltus | Other Supplier |
| Almonte, Arelis | PJM Interconnection | None |
| Anderson, Juliet | Constellation Energy Generation, LLC | Generation Owner |
| Baizman, Aaron | PJM Interconnection | None |
| Baker, Scott | PJM Interconnection | None |
| Barker, Jason | VC Renewables | None |
| Belenky, Maria | PJM Interconnection | None |
| Bleiweis, Bruce | DC Energy, LLC | Other Supplier |
| Bowring, Joseph | Monitoring Analytics | None |
| Boyle, Glen | PJM Interconnection | None |
| Breeding, Michael | PJM Interconnection | None |
| Breidenbaugh, Aaron | Stones DR, LLC | Other Supplier |
| Bresler, Stu | PJM Interconnection | None |

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| Brodbeck, John | EDP Renewables | Generation Owner |
| Bryson, Michael | PJM Interconnection | None |
| Callen, Zachary | Illinois Commerce Commission | None |
| Cao, Roger | PJM Interconnection | None |
| Carmean, Gregory | Organization of PJM States, Inc. | None |
| Carrier, Ronald | Big Lake Consulting Group, LLC | None |
| Carson, Donna | East Kentucky Power Cooperative, Inc. | Transmission Owner |
| Chang, Sean | Shell Energy North America (US), L.P. | Other Supplier |
| Christopher, Mahila | Public Utilities Commission of Ohio | None |
| Chu, George | PJM Interconnection | None |
| Ciabattoni, Joseph | PJM Interconnection | None |
| Cobb, Patrick | PJM Interconnection | None |
| Cocco, Michael | Old Dominion Electric Cooperative | Electric Distributor |
| Conant, Portia | Yes Energy LLC | None |
| Concina, Wendell | Commonwealth Edison Company | Transmission Owner |
| Cox, Jason | EQ Energy Advisors, LLC | None |
| Davis, James | Dominion Energy Generation Marketing, Inc. | Generation Owner |
| Davis, David | Apex Clean Energy Management, LLC | None |
| Dillon, Matt | UGI Energy Services | Other Supplier |
| DiNicola, Laura | American Transmission Systems, Inc. | Transmission Owner |
| Domian, Christin | Duquesne Light Company | Transmission Owner |
| Dorko, Keri | Monitoring Analytics | None |
| Douglass, Robert | Constellation | Generation Owner |
| Downs, Jere Williamson | PJM Interconnection | None |
| Dropkin, Ilyana | PJM Interconnection | None |
| Dugan, Chuck | East Kentucky Power Cooperative, Inc. | Transmission Owner |
| Dumitriu, Nicolae | PJM Interconnection | None |
| Edmonds, Brian | DC Public Service Commission | None |
| Ejebe, Gabriel | Open Access Technology International, Inc. | None |
| Ericson, Christine | Illinois Commerce Commission | None |
| Esquivel, Manuel | Enel X North America, Inc. | Other Supplier |
| Fan, Zhenyu | PJM Interconnection | None |
| Feng, Julian | PJM Interconnection | None |
| Fereshetian, Damon | PJM Interconnection | None |
| Fernandez, Ray | PJM Interconnection | None |
| Fink, Sari | American Clean Power Association | None |
| Fitch, Neal | NRG Business Marketing LLC (NRGPM) | Other Supplier |
| Fitzpatrick, Brian | PJM Interconnection | None |
| Foladare, Kenneth | Geenex Solar LLC | Other Supplier |
| Frogg, Darrell | PJM Interconnection | None |
| Fuess, Christian | White Pine Energy Consulting | None |
| Fultz, McClain | PPL Electric Utilities Corp. dba PPL Utilities (LSE) | Transmission Owner |
| Gates, Terry | Appalachian Power Company (AEP Generation) | Transmission Owner |
| Gilani, Rehan | Consolidated Edison | Other Supplier |
| Glazer, Grant | MN8 Energy | None |
| Gordon, Jon | Advanced Energy United | None |
| Gorman, Bradley | American Transmission Systems, Inc. | Transmission Owner |
| Greene, Benjamin | AEP Appalachian Transmission Company, Inc. | Transmission Owner |
| Guntle, Vince | American PowerNet Management, L.P. | End-Use Customer |
| Halay, Alina | FERC | None |
| Hanawa, Angie | Enel X North America, Inc. | Other Supplier |
| Hanser, Erik | Michigan Public Service Commission | None |
| Haque, Asim | PJM Interconnection | None |
| Hastings, David | PSEG | Transmission Owner |
| Hatch, Kevin | PJM Interconnection | None |
| Hauske, David | PJM Interconnection | None |
| Hauske, Thomas | PJM Interconnection | None |
| Hayik, Seth | PJM Interconnection | None |
| Heinle, Frederick | Dynegy Marketing and Trade, LLC | Generation Owner |
| Heinle, Erik | Vistra | None |
| Herel, Suzanne | PJM Interconnection | None |
| Holdbrook, Ruth | Northern Virginia Electric Cooperative (NOVEC) | Electric Distributor |
| Holland, Risa | PJM Interconnection | None |

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| Hudis, Gabriella | Gabel & Associates | None |
| Hugee, Jacqui | Dominion Energy | Generation Owner |
| Hull, Gerit | American Municipal Power, Inc. | Electric Distributor |
| Hurd, Shawn | Monongahela Power Company d/b/a Allegheny Power | Transmission Owner |
| Hurwich, Mark | Elliott Bay Energy Trading, LLC | Other Supplier |
| Hyatt, Earl | Monitoring Analytics | None |
| Hyzinski, Thomas | GT Power Group | None |
| Iler, Arthur | Indiana Office of Utility Consumer Counselor | None |
| Ingraham, Deborah | Acciona Energy North America Corporation | Generation Owner |
| Janicki, Diane | Boston Energy Trading and Marketing | Other Supplier |
| Johnson, Carl | Customized Energy Solutions | None |
| Johnston, David | Other | None |
| Jones, Scott | Other | None |
| Kelly, Stephen | Brookfield Renewable Trading and Marketing LP (BSMH) | Other Supplier |
| Kenney, Susan | PJM Interconnection | None |
| Keshavamurthy, Bhavana | PJM Interconnection | None |
| Kilgallen, Kevin | Avangrid Renewables, LLC | Generation Owner |
| Kimmel, David | PJM Interconnection | None |
| Klingensmith, Laurel | American Transmission Systems, Inc. | Transmission Owner |
| Lai, Erin | PJM Interconnection | None |
| Laios, Takis | Appalachian Power Company (AEP Transmission) | Transmission Owner |
| Lawson, Ryan | Dominion Virginia Power | Transmission Owner |
| Lee, Ray | PJM Interconnection | None |
| Lejcar, Jamie | Allegheny Electric Cooperative, Inc. | Electric Distributor |
| Luna, Joel Romero | Monitoring Analytics | None |
| Mabry, David | McNees, Wallace & Nurick | None |
| Makinde, Olumide | Arevon Energy | None |
| Marcino, Angelo | PJM Interconnection | None |
| Mariam, Yohannes | Office of the People's Counsel for the District of Columbia | None |
| Marzewski, Skyler | PJM Interconnection | None |
| Matheson, Eric | Delaware Public Service Commission | None |
| Maucher, Andrea | Delaware Division of the Public Advocate | End-Use Customer |
| McClelland, Maura | Public Utilities Commission of Ohio | None |
| McDewell, Christian | Pennsylvania Public Utility Commission | None |
| McGill, Susan | PJM Interconnection | None |
| McLaverty, Megan | PJM Interconnection | None |
| McNeil, Justin | Kentucky Public Service Commission | None |
| McNicholas, Daniel | Nautilus Power, LLC | Generation Owner |
| Mekala, Karthik | RWE Clean Energy, LLC | Generation Owner |
| Militello, Nicole | PJM Interconnection | None |
| Miller, John | Calico Energy | None |
| Mohler, Tina | PJM Interconnection | None |
| Mooney, Jeffrey | Allegheny Power (MonPwr Gen) | Transmission Owner |
| Mooney, Molly | PJM Interconnection | None |
| Mroz, David | PJM Interconnection | None |
| OHara, Bernard | Sargent & Lundy | None |
| Olaley, 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, Gregory | DTE Energy Trading, Inc. | Other Supplier |
| Patel, Anita | PJM Interconnection | None |
| Peoples, John | Duquesne Light Company | Transmission Owner |
| Phenix, Michael | Red Oak Power, LLC | Generation Owner |
| Phillips, Amanda | Wabash Valley Power Association, Inc. | Electric Distributor |
| Phillips, Darlene | PJM Interconnection | None |
| Pilong, Christopher | PJM Interconnection | None |
| Pilong, Melissa | PJM Interconnection | None |
| Pistella, Dan | IMG Midstream LLC | Generation Owner |
| Poulos, Greg | PJM Committee Voting Generic Account | None |
| Rasmussen, Jay | Duke Energy Business Services LLC | Transmission Owner |
| Redwine, Arlo | FERC | None |
| Richards, Wade | Apex Clean Energy Holdings, LLC | None |

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| Rode, Advait | Michigan Public Service Commission | None |
| Rohrbach, John | Aces Power Marketing | None |
| Rumsey, Amanda | PPL Electric Utilities Corp. dba PPL Utilities | Transmission Owner |
| Rutledge, Craig | Appalachian Power Company (APCO Dedicated) | Transmission Owner |
| Sasser, Jonathan | Customized Energy Solutions | None |
| Scheidecker, Paul | Monitoring Analytics | None |
| Schmatz, Peter | PSEG Energy Resources and Trade LLC | Other Supplier |
| Schreim, Morris | MD PSC | None |
| SCHROEDER, CONNIE | Dominion Virginia Power | Transmission Owner |
| Schuyler, Ken | PJM Interconnection | None |
| Scott, Nicole | PJM Interconnection | None |
| Selick, Sam | Customized Energy Solutions | None |
| Shanker, Roy | East Coast Power Linden Holding, L.L.C. | Generation Owner |
| Sims, Ryan | Interstate Gas Supply, LLC | Other Supplier |
| Skucas, Ruta | K&L Gates | None |
| Sloan, Ben | Organization of PJM States, Inc. | None |
| Sorrels, James | AEP Appalachian Transmission Company, Inc. | Transmission Owner |
| Sotkiewicz, Paul | E-Cubed Policy Associates | None |
| Souder, Michelle | PJM Interconnection | None |
| Souza, Margaret | Dominion Virginia Power | Transmission Owner |
| Sprinkle, Dan | Louisville Gas and Electric Company/Kentucky Utilities Company | Transmission Owner |
| Stadelmeyer, Rebecca | Jersey Green Energy LLC | Other Supplier |
| Stefanowicz, Vincent | PJM Interconnection | None |
| Stone, Andy | Andy Stone | None |
| Sturgeon, John | Duke Energy Business Services LLC | Transmission Owner |
| Svenson, Heather | Public Service Electric and Gas Company | Transmission Owner |
| Swalwell, Bradley | Tangent Energy Solutions | Other Supplier |
| Tangirala, Subha | Hitachi Energy USA, Inc. | None |
| Tell, Shawn | Blackcoat Capital | None |
| Terranova, Chris | PJM Interconnection | None |
| Thompson, Chimera | K&L Gates | None |
| Tubridy, Meg | Rockland Electric Company | Transmission Owner |
| Ushijima, Hiroaki | J-Power | None |
| VanBlargan, Bryna | Sabinsville SunPower, LLC | None |
| VanderLaan, William | Illinois Commerce Commission | None |
| Walcavich, Colin | Green River Holdings, LLC | Generation Owner |
| Wehnes, Kathleen | retired | None |
| Wharton, Matthew | PJM Interconnection | None |
| Whitehead, Jeffrey | GT Power Group | None |
| Wilson, James | Other | None |
| Wynder, Michael | Altrock LLC | Other Supplier |
| Xu, Xu | PJM Interconnection | None |
| Yasutake, Sarah | Gabel & Associates | None |
| Yovanovich, Laura | PPL Electric Utilities Corp. dba PPL Utilities | Transmission Owner |

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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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

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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.*

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