

Market Implementation Committee (MIC)
WebEx Only
September 2 2020
9:00 a.m. – 4:00 p.m. EPT

Administration

Bhavana Keshavamurthy 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 5, 2020 Market Implementation Committee meeting with **0 objections and 0 abstentions**.

The Committee approved the draft minutes from the August 14, 2020 Special Session of the Market Implementation Committee - Reserve Price Formation Order meeting with **0 objections and 0 abstentions**.

Endorsements/Approvals

2. Market Suspension

Stefan Starkov reviewed updates to the Problem Statement and Issue Charge addressing opportunities to develop enhanced business rules surrounding the event of a market suspension. **The committee approved the issue charge with 0 objections and 0 abstentions.**

3. Stability Limits in Markets and Operations

- A. Joe Ciabattone reviewed the Capacity Constraint proposal.
- B. Paul Sotkiewicz, on behalf of JPower, reviewed the Opportunity Cost proposal. A friendly amendment was offered by DC Energy to the after-the-fact reporting requirements.

Stakeholders discussed concerns that the after-the-fact reporting requirements proposed in the Opportunity Cost proposal may not adhere to the current market confidentiality rules. An amendment was added to both proposals to clarify that any reporting requirement would need to meet the confidentiality requirements. The stakeholders voted on the proposal with the understanding that the tariff and manual language for any proposal that passed the vote would be reviewed at the MIC before taking it to the Markets and Reliability Committee for a first read. Alex Stern, PSEG, requested that a non-binding vote be taken on if the Committee prefers the Opportunity Cost proposal to the Status Quo. There were no objections to this suggestion and the additional non-binding vote was taken.

The committee endorsed the Capacity Constraint proposal with 126 (64%) in favor, 70 (36%) opposed and 20 abstentions.

The committee endorsed the Opportunity Cost proposal with 128 (58%) in favor, 92 (42%) opposed and 11 abstentions.

A non-binding vote preferred the Capacity Constraint proposal with 149 (71%) in favor over status quo 62 (29%).

A non-binding vote preferred the Opportunity Cost proposal with 134 (72%) in favor over status quo 51 (28%).

The Capacity Constraint proposal moves to the Market and Reliability Committee (MRC) as the primary motion and the Opportunity Cost proposal as the alternate motion.

[Issue Tracking: Stability Limits in Markets and Operations](#)

First Readings

4. Behind the Meter Generation

Terri Esterly provided a first read of the Problem Statement and Issue Charge addressing clarifications to the Behind the Meter Generation business rules related to a BTMG unit changing status from BTMG (netting against the load) to a resource participating in PJM Markets (and vice versa).

The committee will be asked to approve the issue charge at the October MIC meeting.

5. Biennial Review of Manual 15

Gabrielle Genuario and Roger Cao reviewed updates to Manual 15: Cost Development Guidelines as part of the Biennial Review.

The committee will be asked to endorse the Manual 15 revisions at the October MIC meeting.

6. Manual 18 Updates

Jeff Bastian provided a first read of the Problem Statement and Issue Charge addressing a minor correction to Manual 18: Capacity Market with regards to an effective date for notifying pseudo-tied resource owners of their assigned LDA prior to each delivery year.

The committee will be asked to approve the issue charge and endorse the proposed revisions to Manual 18 as part of the Quick Fix process outlined in Section 8.6.1 of Manual 34 at the October MIC meeting.

Working Item

7. PRD Credits Disposition

Pete Langbein provided education on the history of Price Responsive Demand (PRD), the evolution of the PRD market rules and PRD settlements. The committee will begin working the Consensus Based Issue Resolution (CBIR) process at the October MIC meeting.

Additional Items

8. 2021 PJM Project Budget

Jim Snow provided an overview of the preliminary 2021 PJM project budget.

9. **nGEM Project Update**

Todd Keech provided an update on the Next Generation Energy Markets (nGEM) markets software replacement project.

10. **Long-Term 5-Minute Dispatch & Pricing Work Plan**

Aaron Baizman provided an update on the work plan to address the Long-Term 5-Minute Dispatch & Pricing effort.

11. **Catty Corner RAS Retirement**

Chris Szmodis (PPL) reviewed the retirement of the Susquehanna Catty Corner Remedial Action Scheme (RAS).

12. **Capacity Capability Senior Task Force Update**

Andrew Levitt provided an overview on the ELCC data submission requirements and applicable deadlines by delivery year for intermittent and limited duration resources.

13. **Schedule 9-2 Options**

Jim Snow provided an overview of Finance Committee discussions regarding the collection of Schedule 9-2 charges.

Informational Section

Interface Pricing Points Update

This presentation provides an overview of updates being made to Interface Pricing Points. Materials are posted as informational only.

Interregional Coordination Update

Materials are posted as informational only.

Credit Subcommittee (CS)

Meeting materials will be posted to the [CS website](#).

Demand Response Subcommittee (DRS)

Meeting materials will be posted to the [DRS website](#).

DER & Inverter-based Resources Subcommittee (DIRS)

Meeting materials will be posted to the [DIRS 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

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| October 7, 2020 | 9:00 a.m. | WebEx |
| November 5, 2020 | 9:00 a.m. | WebEx |
| December 2, 2020 | 9:00 a.m. | WebEx |

WebEx Meeting Attendees

| Names | Company Name | Sector |
|------------------------------------|--|----------------------|
| Morelli, Lisa (Chair) | PJM Interconnection, LLC | Not Applicable |
| Keshavamurthy, Bhavana (Secretary) | PJM Interconnection, LLC | Not Applicable |
| Abramowitz, Jeremy | Monitoring Analytics, LLC | Not Applicable |
| Aguilar, Fabiano Silveira | Strom Power, LLC | Other Supplier |
| Anders, David | PJM Interconnection, LLC | Not Applicable |
| Anderson, Bob | Tenaska Power Services Co. | Generation Owner |
| Baizman, Aaron | PJM Interconnection, LLC | Not Applicable |
| Barker, Jason | Exelon Business Services Company, LLC | Transmission Owner |
| Bastian, Jeff | PJM Interconnection, LLC | Not Applicable |
| Benchek, Jim | American Transmission Systems, Inc. | Transmission Owner |
| Bennett, Stephen | PJM Interconnection, LLC | Not Applicable |
| Bernabeu, Emanuel | PJM Interconnection, LLC | Not Applicable |
| Bleiweis, Bruce | DC Energy LLC | Other Supplier |
| Bloom, David | Baltimore Gas and Electric Company | Transmission Owner |
| Bockhorn, Tim | Dayton Power & Light Company (The) | Transmission Owner |
| Bowring, Joe | Monitoring Analytics, LLC | Not Applicable |
| Boyle, Glen | PJM Interconnection, LLC | Not Applicable |
| Bradford, Eugene | Southern Maryland Electric Cooperative, Inc. | Electric Distributor |
| Branch, John | SunCoke Energy, Inc. | Generation Owner |
| Breidenbaugh, Aaron | EnerNOC, Inc. | Other Supplier |
| Bresler, Stu | PJM Interconnection, LLC | Not Applicable |
| Brodbeck, John | EDP Renewables North America, LLC | Other Supplier |
| Campbell, Bruce | EnergyConnect, Inc. | Other Supplier |
| Canter, David | Appalachian Power Company | Transmission Owner |
| Cao, Roger | PJM Interconnection, LLC | Not Applicable |
| Carmean, Gregory | OPSI | Not Applicable |
| Carrier, Ron | Direct Energy Business, LLC | Other Supplier |
| Carroll, Rebecca | PJM Interconnection, LLC | Not Applicable |
| Chen, Hong | PJM Interconnection, LLC | Not Applicable |
| Chen, Yang | PJM Interconnection, LLC | Not Applicable |
| Chmielewski, Brian | PJM Interconnection, LLC | Not Applicable |
| Christopher, Mahila | Public Utilities Commission of Ohio (The) | Not Applicable |
| Ciabattoni, Joseph | PJM Interconnection, LLC | Not Applicable |
| Cocco, Michael | Old Dominion Electric Cooperative | Electric Distributor |
| Coyne, Suzanne | PJM Interconnection, LLC | Not Applicable |
| D'Alessandris, Lou | FirstEnergy Solutions Corp. | Transmission Owner |
| D'antonio, Phil | PJM Interconnection, LLC | Not Applicable |
| Davis, Elizabeth (Becky) | PJM Interconnection, LLC | Not Applicable |
| Davis, James (Jim) | Dominion Energy Marketing, Inc. | Generation Owner |
| DeLosa, Joseph | DE Public Service Commission | Not Applicable |
| Depillo, Raymond | PSEG Energy Resources and Trade LLC | Other Supplier |
| DeVita, Thomas | PJM Interconnection, LLC | Not Applicable |

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|----------------------|---|----------------------|
| Dillon, Matthew | UGI Development Company | Generation Owner |
| DiNicola, Laura | FirstEnergy Solutions Corp. | Transmission Owner |
| Downs, Jere | PJM Interconnection, LLC | Not Applicable |
| Drauschak, Lisa | PJM Interconnection, LLC | Not Applicable |
| Dugan, Chuck | East Kentucky Power Cooperative, Inc. | Transmission Owner |
| Dumitriu, Nicolae | PJM Interconnection, LLC | Not Applicable |
| Elkins, Rachel | American Transmission Systems, Inc. | Transmission Owner |
| Ericson, Christine | Illinois Commerce Commission | Not Applicable |
| Esterly, Theresa | PJM Interconnection, LLC | Not Applicable |
| Evergam, Scott | The Federal Energy Regulatory Commission | Not Applicable |
| Fan, Zhenyu | PJM Interconnection, LLC | Not Applicable |
| Fereshetian, Damon | PJM Interconnection, LLC | Not Applicable |
| Fernandez, Raymond | PJM Interconnection, LLC | Not Applicable |
| Filomena, Guy | Customized Energy Solutions, Ltd. | Not Applicable |
| Fishback, Luke | Affirmed Energy LLC | Other Supplier |
| Fitch, Neal | NRG Power Marketing LLC | Generation Owner |
| Fleisher, Madeline | Dickinson Wright PLLC | Not Applicable |
| Foladare, Kenneth | Tangibl | Not Applicable |
| Ford, Adrien | Old Dominion Electric Cooperative | Electric Distributor |
| Gahimer, Michael | IN Office of Utility Consumer Counselor | End User Customer |
| Gates, Terry | Appalachian Power Company | Transmission Owner |
| Gebolys, Debbie | Public Utilities Commission of Ohio (The) | Not Applicable |
| Genuario, Gabrielle | PJM Interconnection, LLC | Not Applicable |
| Gibbs, Ike | Citadel | Not Applicable |
| Gilani, Rehan | ConEdison Energy, Inc. | Other Supplier |
| Greening, Michele | PJM Interconnection, LLC | Not Applicable |
| Greiner, Gary | PSEG Energy Resources and Trade LLC | Other Supplier |
| Guntle, Vince | UGI Development Company | Generation Owner |
| Hanser, Erik | Michigan Public Service Commission | Not Applicable |
| Hasan, Prusha | Advanced Energy Economy | Not Applicable |
| Hastings, David | Market Interconnection Consulting Services (MICS) | Not Applicable |
| Hauske, Thomas | PJM Interconnection, LLC | Not Applicable |
| Heinle, Frederick | Office of the People's Counsel | End User Customer |
| Helms, Joseph | Commonwealth Chesapeake Company, LLC | Generation Owner |
| Hoatson, Tom | Riverside Generating, LLC | Other Supplier |
| Hohenshilt, Jennifer | Talen Energy Marketing, LLC | Generation Owner |
| Holter, Natasha | PJM Interconnection, LLC | Not Applicable |
| Horger, Tim | PJM Interconnection, LLC | Not Applicable |
| Horning, Lynn Marie | Customized Energy Solutions, Ltd. | Not Applicable |
| Horstmann, John | Dayton Power & Light Company (The) | Transmission Owner |
| Hudis, Gabriella | Jersey Green Energy LLC | Other Supplier |
| Hull, Gerit | Jennings, Strouss & Salmon, P.L.C. | Not Applicable |
| Hyzinski, Tom | GT Power Group | Not Applicable |
| Iler, Art | Indiana Office of Utility Consumer Counsel | End User Customer |
| Janicki, Diane | Boston Energy Trading & Marketing, LLC | Generation Owner |
| Jett, Jason | BYHM Capital LLC | Not Applicable |
| Johnson, Carl | Customized Energy Solutions, Ltd. | Not Applicable |
| Johnston, David | Indiana Utility Regulatory Commission | Not Applicable |
| Keech, Adam | PJM Interconnection, LLC | Not Applicable |
| Keech, Todd | PJM Interconnection, LLC | Not Applicable |

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| Keegan, John | Just Energy Solutions, Inc. | Other Supplier |
| Keenan, Matthew | Jpower USA | Not Applicable |
| Kelley, Stephen | Other | Not Applicable |
| Kenney, Susan | PJM Interconnection, LLC | Not Applicable |
| Keshavamurthy, Bhavana | PJM Interconnection, LLC | Not Applicable |
| Kilgallen, Kevin | Avangrid Renewables LLC | Generation Owner |
| Kogut, George | New York Power Authority | Other Supplier |
| Konowal, Richard | PJM Interconnection, LLC | Not Applicable |
| Kozhuharov, Dimitar | Delaware Municipal Electric Corporation, Inc. | Electric Distributor |
| Langbein, Pete | PJM Interconnection, LLC | Not Applicable |
| LaRocque, Matthew | PJM Interconnection, LLC | Not Applicable |
| Lejcar, Jamie | Allegheny Electric Cooperative, Inc. | Electric Distributor |
| Levitt, Andrew | PJM Interconnection, LLC | Not Applicable |
| Li, Kanning | PJM Interconnection, LLC | Not Applicable |
| Libbos, Robin | FirstEnergy Solutions Corp. | Transmission Owner |
| Lieberman, Steven | American Municipal Power, Inc. | Electric Distributor |
| Liu Rauffer, Phyllis | PSEG Energy Resources and Trade LLC | Other Supplier |
| Lowe, Connie | Dominion Virginia Power | Not Applicable |
| Lu, Chenchao | PJM Interconnection, LLC | Not Applicable |
| Lukach, Jaclynn | PJM Interconnection, LLC | Not Applicable |
| Mabry, David | McNees Wallace & Nurick LLC | Not Applicable |
| Marcino, Angelo | PJM Interconnection, LLC | Not Applicable |
| Mariam, Yohannes | Office of the Peoples Counsel for the District of Columbia | End User Customer |
| Martin, Beth | Wisconsin Electric Power Company | Generation Owner |
| Marzewski, Skyler | Monitoring Analytics, LLC | Not Applicable |
| Matuszak, Alex | UGI Energy Services, LLC | Other Supplier |
| McDaniel, John | Baltimore Gas and Electric Company | Transmission Owner |
| McElwaine, Kathy | PJM Interconnection, LLC | Not Applicable |
| McGlynn, Paul | PJM Interconnection, LLC | Not Applicable |
| Midgley, Sharon | Exelon Business Services Company, LLC | Transmission Owner |
| Monzon, Stephanie | PJM Interconnection, LLC | Not Applicable |
| Morelli, Lisa | PJM Interconnection, LLC | Not Applicable |
| Nelson, Floyd | NRG Power Marketing LLC | Generation Owner |
| Nix, Emma | Gable and Associates | Not Applicable |
| Olaleye, Michael | PJM Interconnection, LLC | Not Applicable |
| Ondayko, Brock | Appalachian Power Company | Transmission Owner |
| Pakela, Greg | DTE Energy Trading, Inc. | Other Supplier |
| Patel, Keyur | PJM Interconnection, LLC | Not Applicable |
| Pelletier, Eveline | Hydro-Quebec | Not Applicable |
| Peoples, John | Duquesne Light Company | Transmission Owner |
| Pilong, Christopher | PJM Interconnection, LLC | Not Applicable |
| Pilong, Melissa | PJM Interconnection, LLC | Not Applicable |
| Pizzutelli, Ashley | Monongahela Power Company d/b/a Allegheny Power | Transmission Owner |
| Poulos, Greg | CAPS | Not Applicable |
| Price, Mark | DC Energy Mid-Atlantic, LLC | Other Supplier |
| Price, Ruth | Division of the Public Advocate of the State of Delaware | End User Customer |
| Purdie, Michael | Dominion Virginia Power | Not Applicable |
| Rajan, Abhijit | Dominion Resources | Not Applicable |
| Reams, Will | Allegheny Electric Cooperative, Inc. | Electric Distributor |
| Reeping, Bob | Ohio Edison Company | Transmission Owner |

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| Robinson, Becky | Vistra Energy | Not Applicable |
| Rodriguez, Tomas | OPSI | Not Applicable |
| Rohrbach, John | Southern Maryland Electric Cooperative | Electric Distributor |
| Salaneck, Alexandra | Monitoring Analytics, LLC | Not Applicable |
| Sasser, Jonathan | Customized Energy Solutions, Ltd.* | Not Applicable |
| Scarpignato, David | Calpine Energy Services, L.P. | Generation Owner |
| Scheirer, Alexandra | PJM Interconnection, LLC | Not Applicable |
| Schreim, Morris | Maryland Public Service Commission | Not Applicable |
| Schuyler, Ken | PJM Interconnection, LLC | Not Applicable |
| Shah, Vijay | PJM Interconnection, LLC | Not Applicable |
| Shanker, Roy | H.Q. Energy Services (U.S.), Inc. | Other Supplier |
| Singer, Chad | Trane Grid Services, LLC | Other Supplier |
| Singh, Harliv | Northern States Power Company | Other Supplier |
| Skumanich, William (Bill) | RTR Energy Solutions | Not Applicable |
| Smith, David | Shell Energy North America | Other Supplier |
| Snow, Jim | PJM Interconnection, LLC | Not Applicable |
| Sotkiewicz, Paul | E-Cubed Policy Associates | Not Applicable |
| Souder, Michelle | PJM Interconnection, LLC | Not Applicable |
| Squibb, Bill | Ohio Valley Electric | Generation Owner |
| Starkov, Stefan | PJM Interconnection, LLC | Not Applicable |
| Stern, Alexander (Alex) | Public Service Electric & Gas Company | Transmission Owner |
| Stone, Andy | PJM Interconnection, LLC | Not Applicable |
| Strella, Lauren | PJM Interconnection, LLC | Not Applicable |
| Sturgeon, John | Duke Energy Carolinas, LLC | Other Supplier |
| Suh, Jung | Calpine Energy Services, L.P. | Generation Owner |
| Svenson, Heather | Public Service Electric & Gas Company | Transmission Owner |
| Swalwell, Brad | Tangent Energy Solutions, Inc. | Other Supplier |
| Sweeney, Rory | GT Power Group | Not Applicable |
| Szmodis, Christopher | PPL Electric Utilities Corp. dba PPL Utilities | Transmission Owner |
| Tangirala, Subha | ABB | Not Applicable |
| Tibbetts, Maeve | Pierce Atwood | Not Applicable |
| Tran, Bao | PJM Interconnection, LLC | Not Applicable |
| Tribulski, Jennifer | PJM Interconnection, LLC | Not Applicable |
| Tyler, Catherine | Monitoring Analytics | Not Applicable |
| Ward, Michael | PJM Interconnection, LLC | Not Applicable |
| Warshel, Kim | PJM Interconnection, LLC | Not Applicable |
| Whitehead, Jeffrey | GT Power Group | Not Applicable |
| Widom, Stuart | PJM Interconnection, LLC | Not Applicable |
| Willey, Amy | Delaware.gov | Not Applicable |
| Wilmoth, Emily | Dominion Virginia Power | Not Applicable |
| Wilson, Bram | Diamond State Generation Partners, LLC | Generation Owner |
| Wise, Christopher | Dominion Energy Generation Marketing, Inc. | Generation Owner |
| Wisersky, Megan | Madison Gas & Electric Company | Other Supplier |
| Xu, Xu | PJM Interconnection, LLC | Not Applicable |
| Yeaton, Andrea | PJM Interconnection, LLC | Not Applicable |
| Yoder, Michael | RTO Insider | Not Applicable |
| Zhao, Tong | PJM Interconnection, LLC | Not Applicable |