

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 Ciabattoni 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

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

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

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	Appalachain 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

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