

Market Implementation Committee
WebEx Only / Conference & Training Center
August 10, 2022
9:00 a.m. – 3:30 p.m. EPT

Administration

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

The Committee approved the draft minutes from the July 13, 2022 Market Implementation Committee with **0 objections and 0 abstentions**.

2. Nicholas DiSciullo reviewed the MIC Work Plan.

Endorsements/Approvals

3. **Manual 15 Revisions**

Ilyana Dropkin reviewed conforming revisions to Manual 15: Cost Development Guidelines to address the Reserve Price Formation implementation, and Biennial Review revisions to Manual 15. **The committee endorsed the Manual 15 Reserve Price Formation revisions by acclamation with 0 objections and 0 abstentions.**

The committee endorsed the Manual 15 Biennial Review revisions by acclamation with 0 objections and 0 abstentions.

[Issue Tracking: Energy Price Formation](#)

4. **Day-ahead Zonal Load Bus Distribution Factors**

Amanda Martin reviewed a Problem Statement and Issue Charge addressing Day-ahead Zonal Load Bus Distribution Factors. Updates were made to the Key Work Activities and Scope section of the Issue Charge and a post-meeting version has been posted to the meeting materials.

The committee approved the revised Issue Charge by acclamation as part of the “CBIR Lite” process outlined in Section 8.6.2 of Manual 34 with 0 objections and 0 abstentions.

[Issue Tracking: Day-Ahead Zonal Load Bus Distribution Factors](#)

First Readings

5. **Fuel Requirements for Black Start Resources**

- a) Janell Fabiano provided background, polling results, and an overview of the voting process for this issue.

- b) Dan Bennett provided a first read of the PJM/Brookfield/DC OPC proposal.

- c) Joe Bowring, IMM, provided a first read of the IMM proposal.

The committee will be asked to vote on the proposals after its next meeting via an offline vote in the PJM Voting Application.

[Issue Tracking: Fuel Requirements for Black Start Resources](#)

6. **Variable Operations & Maintenance Cost Development**

- a) Roger Cao provided a first read of the PJM proposal addressing development of variable operations and maintenance costs that was developed through the Cost Development Subcommittee.
- b) Jason Barker, Constellation, provided a first read of the Constellation proposal addressing development of variable operations and maintenance costs that was developed through the Cost Development Subcommittee.

The committee will be asked to vote on the proposals at its next meeting.

[Issue Tracking: Variable Operating and Maintenance Cost](#)

7. Residential and Small Commercial Customer Measurement and Verification for Demand Response

Ken Schisler, CPower, provided a first read of a Problem Statement and Issue Charge addressing Residential and Small Commercial Customer Measurement and Verification for Demand Response. The committee will be asked to approve the Issue Charge at its next meeting.

8. Manual 18 and Manual 18B Revisions

Theresa Esterly reviewed revisions to Manual 18: PJM Capacity Market, and Manual 18B: Energy Efficiency Measurement & Verification as part of the periodic review. The committee will be asked to endorse the revisions at its next meeting.

9. Reserve Price Formation Manual Revisions

- a) Rebecca Stadelmeyer provided a first read of conforming revisions to Manual 27: Open Access Transmission Tariff Accounting, Manual 28: Operating Agreement Accounting, and Manual 29: Billing to address the Reserve Price Formation implementation.
- b) Damon Fereshetian and Michael Olaleye provided a first read of conforming revisions to Manual 11: Energy & Ancillary Services Market Operations to address the Reserve Price Formation implementation.

The committee will be asked to endorse the revisions at its next meeting.

[Issue Tracking: Energy Price Formation](#)

Working Items

10. Capacity Offer Opportunities for Generation with Co-Located Load

Lisa Morelli facilitated a discussion to review packages for the Capacity Offer Opportunities for Generation with Co-Located Load matrix. The committee will continue working the Consensus Based Issue Resolution (CBIR) process by continuing to review packages at its next meeting. Additional packages can be provided in advance of the next meeting.

[Issue Tracking: Capacity Offer Opportunities for Generation with Co-Located Load](#)

11. Operating Reserve Clarification for Resources Operating as Requested by PJM

Lisa Morelli reviewed a proposal to proceed with removal of the CT Rule in Manual 28 in advance of the remainder of the work on this issue charge. Nick DiSciullo solicited committee feedback on addressing the remaining work on this issue through special sessions of the MIC. The committee was supportive of that approach. The proposal to remove the CT Rule will be presented for an official first reading at the next meeting.

[Issue Tracking: Operating Reserve Clarification for Resources Operating as Requested by PJM](#)

12. Cost Development Subcommittee Update

Heather Reiter provided an informational update on the work to be performed at the Cost Development Subcommittee.

13. Regulation Market Design Senior Task Force Update

Michael Herman provided an informational update on the efforts of the Regulation Market Design Senior Task Force.

Informational Section

Interregional Coordination Update

Materials are posted as informational only.

Fast Start Pricing Monthly Metrics Update

Materials are posted as informational only.

PJM Manual 03 Attachment E Automatic Sectionalizing Schemes

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](#).

Demand Response Subcommittee (DRS)

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

DER & Inverter-based Resources Subcommittee (DIRS)

Meeting materials are posted to the [DIRS website](#).

Market Settlements Subcommittee (MSS)


Meeting materials are posted to the [MSS website](#).

OC/MIC Fuel Requirements for Black Start Resources

Meeting materials are posted to the [Operating Committee 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.
September 7	9 a.m.	WebEx / Conference & Training Center	August 26	August 31
October 6	9 a.m.	WebEx / Conference & Training Center	September 26	September 29
November 2	9 a.m.	WebEx / Conference & Training Center	October 21	October 26
December 7	9 a.m.	WebEx / Conference & Training Center	November 23	November 30

Author: Nicholas DiSciullo

In-Person Meeting Attendees

Names	Company Name	Sector
Morelli, Lisa (Chair)	PJM Interconnection, LLC	Not Applicable
DiSciullo, Nicholas (Secretary)	PJM Interconnection, LLC	Not Applicable
Martin, Amanda	PJM Interconnection, LLC	None
Barker, Jason	Constellation Energy Generation, LLC	Generation Owner
Benchek, Jim	American Transmission Systems, Inc.	Transmission Owner
Bennett, Daniel	PJM Interconnection, LLC	None
Boyle, Glen	PJM Interconnection, LLC	None
Bresler, Stu	PJM Interconnection, LLC	None
Cao, Roger	PJM Interconnection, LLC	None
Carroll, Rebecca	PJM Interconnection, LLC	None
Chmielewski, Brian	PJM Interconnection, LLC	None
Dropkin, Ilyana	PJM Interconnection, LLC	None
Esterly, Theresa	PJM Interconnection, LLC	None
Fabiano, Janell	PJM Interconnection, LLC	None
Fereshetian, Damon	PJM Interconnection, LLC	None
Freeman, Jennifer	PJM Interconnection, LLC	None
Fuess, Christian	PBF Power Marketing, LLC	Generation Owner
Greening, Michele	PJM Interconnection, LLC	None
Hastings, David	Market Interconnection Consulting Services (MICS)	None
Hauske, Thomas	PJM Interconnection, LLC	None
Heidorn, Richard	RTO Insider	None
Holland, Risa	PJM Interconnection, LLC	None
Horger, Tim	PJM Interconnection, LLC	None
Horning, Lynn Marie	Customized Energy Solutions, Ltd.*	None
Kim, Sung	PJM Interconnection, LLC	None
Midgley, Sharon	Exelon Business Services Company, LLC	Transmission Owner
Muhl, Nancy	PJM Interconnection, LLC	None
Norris, John	RTO Insider	None
Olaleye, Michael	PJM Interconnection, LLC	None
Poulos, Greg	CAPS	None
Reiter, Heather	PJM Interconnection, LLC	None
Scarpignato *Scarp), David	Calpine Energy Services, L.P.	Generation Owner

Souder, Michelle	PJM Interconnection, LLC	None
Stadelmeyer, Rebecca	PJM Interconnection, LLC	None
Starkov, Stefan	PJM Interconnection, LLC	None
Tacka, Natalie	PJM Interconnection, LLC	None
Terranova, Chris	PJM Interconnection, LLC	None

WebEx Meeting Attendees

Names	Company Name	Sector
Abdur-Rahman, Muhsin	ABB Enterprise Software Inc.	None
Anders, David	PJM Interconnection, LLC	None
Baizman, Aaron	PJM Interconnection, LLC	None
Barrow, Kim	Commonwealth of PA	None
Bastian, Jeff	PJM Interconnection, LLC	None
Bielak, Donnie	PJM Interconnection, LLC	None
Bleiweis, Bruce	DC Energy LLC	Other Supplier
Bowker, Shannon	PJM Interconnection, LLC	None
Bowring, Joe	Monitoring Analytics, LLC	None
Breidenbaugh, Aaron	Rodan Energy Solutions (USA) Inc.	Other Supplier
Brodbeck, John	EDP Renewables North America, LLC	Generation Owner
Bryson, Michael (Mike)	PJM Interconnection, LLC	None
Campbell, Bruce	EnergyConnect, Inc.	Other Supplier
Canter, David	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Carrier, Ronald (Ron)	Big Lake Consulting	None
Caven, Augustine	PJM Interconnection, LLC	None
Cerchio, Gerard	Monitoring Analytics, LLC	None
Chang, Sean	Shell Energy North America (US), L.P.	Other Supplier
Chee, Yee Hong	MCG Energy Solutions	None
Chmielewski, Brian	PJM Interconnection, LLC	None
Christopher, Mahila	Public Utilities Commission of Ohio (The)	None
Cocco, Michael	Old Dominion Electric Cooperative	Electric Distributor
Colaresi, Chandra	Cpower Energy Management	None
Conklin, Tyler	Public Utilities Commission of Ohio	None
Corash, Richard (Rich)	PSEG Energy Resources & Trade LLC	Other Supplier
D'Antonio, Phil	PJM Interconnection, LLC	None
Davirova, Nigora	PJM Interconnection, LLC	None
Davis, David	Strata Solar	None
Davis, Mike	Northern Virginia Electric Cooperative	Electric Distributor
Domian, Christin	Duquesne Light Company	Transmission Owner
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Egan, Amanda	PJM Interconnection, LLC	None
Ejebe, Gabriel	OATI Energy Trading	None
Esquivel, Manuel	Enel Trading North America, LLC	Other Supplier
Fazio, Danielle	Noble Americas Gas & Power Corp.	Other Supplier
Filomena, Guy	Customized Energy Solutions, Ltd.*	None
Fitzpatrick, Brian	PJM Interconnection, LLC	None
Foladare, Kenneth (Ken)	Geenex Solar LLC	Other Supplier
Ford, Adrien	Old Dominion Electric Cooperative	Electric Distributor
Garnett, Bryan	Duke Energy Ohio, Inc.	Transmission Owner
Gates, Terry	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Gorman, Brad	FirstEnergy Corporation	Transmission Owner

Greiner, Gary	PSEG Energy Resources & Trade LLC	Other Supplier
Guntle, Vince	American PowerNet Management	End-Use Customer
Herman, Michael	PJM Interconnection, LLC	None
Hicks, Colleen	PJM Interconnection, LLC	None
Hoatson, Thomas (Tom)	Riverside Generating, LLC	Generation Owner
Hohenshilt, Jennifer	Talen Energy Marketing, LLC	Generation Owner
Horstmann, John	Dayton Power & Light Company (The)	Transmission Owner
Hough, Dennis	The Federal Energy Regulatory Commission	None
Huntoon, Stephen	Chesapeake Transmission LLC	Other Supplier
Hyzinski, Tom	GT Power Group	None
Janicki, Diane	Boston Energy Trading & Marketing, LLC	Other Supplier
Jardot, Gina	Essential Power Rock Springs, LLC	Generation Owner
Jett, William (Bill)	Duke Energy Business Services LLC	Transmission Owner
Johnson, Carl	Customized Energy Solutions, Ltd.*	None
Jones, Scott	Indiana Office of Utility Consumer Counsel	End-Use Customer
Kalaskar, Rahul	AES Ohio Generation, LLC	Generation Owner
Keech, Adam	PJM Interconnection, LLC	None
Keenan, Matthew	Jpower USA	None
Kelly, Stephen	Brookfield Energy Marketing LP	Other Supplier
Kilgallen, Kevin	Avangrid Renewables LLC	Generation Owner
Kingston, Amber	North Carolina Electric Membership Corporation	Electric Distributor
Lai, Erin	PJM Interconnection, LLC	None
Laios, Takis	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Langbein, Pete	PJM Interconnection, LLC	None
Lawton, Nick	Earthjustice	None
Lee, Ray	PJM Interconnection, LLC	None
Liang-Nicol, Cecilia	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Libbos, Robin	FirstEnergy Corporation	Transmission Owner
Long, Glenn	PJM Interconnection, LLC	None
Loudenburg, Zack	Pennsylvania Renewable Resources, Associates	Generation Owner
Lu, Chenchao (Chen)	PJM Interconnection, LLC	None
Luna, Joel	Monitoring Analytics, LLC	None
Mabry, David	McNees Wallace & Nurick LLC	None
Mariam, Yohannes	Office of the Peoples Counsel for the District of Columbia	End-Use Customer
Martin, Valerie	The Federal Energy Regulatory Commission	None
Marzewski, Skyler	Monitoring Analytics, LLC	None
Mason, Gary	FirstEnergy Corporation	Transmission Owner
Matheson, Eric	Pennsylvania Public Utility Commission	None
Matuszak, Alex	UGI Energy Services, LLC	Other Supplier
McAnany, James	PJM Interconnection, LLC	None
McDewell, Christian	Commonwealth of PA	None
McGlynn, Paul	PJM Interconnection, LLC	None
McNeil, Justin	Office of the Attorney General, Kentucky	End-Use Customer
Miller, John	Commonwealth Edison Company	Transmission Owner
Moretti, Andrea	PJM Interconnection, LLC	None
Okenfuss, James	Savion, LLC	None
Ondayko, Brock	AEP Appalachian Transmission Company, Inc.	Transmission Owner
O'Neill, Jack	PJM Interconnection, LLC	None
Pakela, Gregory (Greg)	DTE Energy Trading, Inc.	Other Supplier
Pasupatham, Ram	Constellation Energy Generation, LLC	Generation Owner
Patel, Keyurbhai (Keyur)	PJM Interconnection, LLC	None

Pelletier, Eveline	Hydro-Quebec	None
Peoples, John	Duquesne Light Company	Transmission Owner
Philips, Marjorie (Marji)	Direct Energy Business Marketing, LLC	Other Supplier
Phillips, Amanda	Wabash Valley Power Association, Inc.	Electric Distributor
Picarelli, David	PJM Interconnection, LLC	None
Pilong, Christopher	PJM Interconnection, LLC	None
Pincus, Steven	PJM Interconnection, LLC	None
Pratt, Nicholas (Nick)	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Purdie, Michael	Dominion Virginia Power	None
Rahimi, Farrokh	OATI Energy Trading	None
Rasmussen, Jay	Duke Energy Business Services LLC	Transmission Owner
Robinson, Becky	Vista Energy Marketing, L.P.	Other Supplier
Rogers, Aaron	East Kentucky Power Cooperative, Inc.	Transmission Owner
Rohrbach, John	Southern Maryland Electric Cooperative, Inc.	Electric Distributor
Sasser, Jonathan	Customized Energy Solutions, Ltd.*	None
Scheidecker, Paul	PJM Interconnection, LLC	None
Schisler, Ken	Enel X North America, Inc.	Other Supplier
Schroeder, Connie	Virginia Electric & Power Company	Transmission Owner
Servera, Max	Unicia Energy LP	Other Supplier
Shah, Vijay	PJM Interconnection, LLC	None
Shanker, Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Sloan, Ben	Organization of PJM States, Inc. (OPSI)	None
Smith, Kara	Buckeye Power, Inc.	Electric Distributor
Sorrels, James	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Sotkiewicz, Paul	E-Cubed Policy Associates	None
Stemetzki, Michael	PJM Interconnection, LLC	None
Stern, Alexander (Alex)	Public Service Electric & Gas Company	Transmission Owner
Stone, Andy	PJM Interconnection, LLC	None
Sturgeon, John	Duke Energy Carolinas, LLC	Other Supplier
Svenson, Heather	Public Service Electric & Gas Company	Transmission Owner
Swalwell, Brad	Tangent Energy Solutions, Inc.	Other Supplier
Sweeney, Rory	GT Power Group	None
Thompson, Matthew (Matt)	XO Energy MA, L.P.	Other Supplier
Tibbetts, Maeve	K & L Gates	None
Tyler, Catherine	Monitoring Analytics, LLC	None
Walcavich, Colin	National Grid Renewables, LLC	None
Waweru, James	PJM Interconnection, LLC	None
Wehnes, Kathleen	Maryland Public Service Commission	None
Whitehead, Jeffrey (Jeff)	GT Power Group	None

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.

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During a Meeting	During an Acclamation Vote
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>*1</p> <p>To enter the question queue (does not work during a vote)</p> </div> <div style="text-align: center;"> <p>*2</p> <p>To be removed from the question queue</p> </div> </div> <div style="text-align: center; margin-top: 20px;"> <p>*0</p> <p>To signal for PJM support staff assistance</p> </div>	<p>Please log in to the voting application at voting.pjm.com, so that you can be registered as the active voter prior to the start of the meeting.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>*7</p> <p>Yes</p> </div> <div style="text-align: center;"> <p>*8</p> <p>No</p> </div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 20px;"> <div style="text-align: center;"> <p>*9</p> <p>Abstain</p> </div> <div style="text-align: center;"> <p>*0</p> <p>To signal for PJM support staff assistance</p> </div> </div>
<p>Asking A Question</p> <ul style="list-style-type: none"> • Dialing *1 enters you into the question queue; the three dial tones are an auditory indication that you have successfully been placed in the queue. • Questions are taken during the meeting when natural breaks occur and are asked in the order they are received. 	
<p>Linking Teleconference Connection to Webex</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>	
<p>Join a Meeting</p>	<ol style="list-style-type: none"> 1. Join meeting in the WebEx desktop client 2. Enter name (<i>First and Last*</i>) and corporate email 3. Call in to the operator-assisted number

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