

Market Implementation Committee (MIC)

WebEx Only

March 9, 2022

9:00 a.m. – 12:40 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 February 9, 2022 Market Implementation Committee meeting with **0 objections and 0 abstentions**.

1. Nicholas DiSciullo reviewed the MIC Work Plan.

Endorsements/Approvals

2. **Pseudo Modeled Combined Cycle Minimum Run Time Guidance**

Tom Hauske reviewed Package A addressing Pseudo Modeled Combined Cycle Minimum Run Time Guidance.

The committee endorsed Package A by acclamation with 0 objections and 0 abstentions. A second acclamation vote showed stakeholders support Package A over status quo with 0 objections and 0 abstentions.

[Issue Tracking: Pseudo Modeled Combined Cycle Minimum Run Time Guidance](#)

3. **Manual 18 Revisions – MOPR, MSOC, Historic Net EAS**

Jeff Bastian reviewed revisions to Manual 18: PJM Capacity Market conforming with PJM's 7/30/21 filing to reform application of the MOPR, PJM's 10/21 compliance filing made in accordance with FERC's 9/2/21 Order to amend the default MSOC, and FERC's 12/22/21 order directing PJM to reinstate the historic net EAS methodology, and FERC's 1/20/22 order directing PJM to remove the 10% adder from the net EAS calculation for the reference resource CT.

The committee endorsed the Manual 18 revisions by acclamation with 0 objections and 0 abstentions.

4. **Critical Gas Infrastructure – Demand Response Participation**

Jack O'Neill reviewed a Problem Statement and Issue Charge addressing the Critical Gas Infrastructure recommendation for Demand Response. This stems from the FERC/NERC report on the severe cold weather event in Texas and South Central US last February.

The committee approved the Issue Charge by acclamation with 0 objections and 0 abstentions.

[Issue Tracking: Critical Gas Infrastructure – Demand Response Participation](#)

5. **Operating Reserve Clarification for Resources Operating as Requested by PJM**

Phil D'Antonio reviewed a Problem Statement and Issue Charge addressing clarifications and potential enhancements to the rules for paying Operating Reserve credits to resources operating as requested by PJM.

The committee approved the Issue Charge by acclamation with 0 objections and 0 abstentions.

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

First Readings

6. **Start-Up Cost Offer Development**

Tom Hauske provided a first read of the Revised PJM/IMM Proposal addressing Start-Up Cost Offer Development developed through the Cost Development Subcommittee. The committee will be asked to endorse the proposal at its next meeting.

Working Items

7. **Capacity Offer Opportunities for Generation with Co-Located Load**

- a) Jeff Bastian provided education regarding the comparison of consumer costs from status quo versus various co-location configurations.
- b) Joe Bowring, IMM, provided education on Capacity Offer Opportunities for Generation with Co-Located Load.
- c) Lisa Morelli facilitated a discussion to review and identify additional interests for the Capacity Offer Opportunities for Generation with Co-Located Load matrix. Jason Barker, Constellation, and Jeff Bastian reviewed the Design Component Details. Stakeholders are encouraged to provide additional interests and design components in advance of the next meeting. A Post-Meeting version of the matrix has been posted to the meeting materials.

The committee will continue working the Consensus Based Issue Resolution (CBIR) process on this issue at its next meeting.

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

Additional Items

8. **Fast Start Capable Adjustment Process**

Vijay Shah reviewed the process to become a fast start capable resource.

9. **Cost Development Subcommittee Update**

Nicole Scott provided an informational update on the work to be performed at the Cost Development Subcommittee and reviewed a new Issue Charge addressing Variable Environmental Costs and Credits that will be worked at the Cost Development Subcommittee and provided an opportunity for the committee to provide feedback.

Informational Section

Interregional Coordination Update

Materials are posted as informational only.

Fast Start Pricing Monthly Metrics Update

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.
April 13	9 a.m.	WebEx	April 1	April 6
May 11	9 a.m.	WebEx	April 29	May 4
June 8	9 a.m.	WebEx	May 26	June 1
July 13	9 a.m.	WebEx	June 30	July 6
August 10	9 a.m.	WebEx	July 29	August 3
September 7	9 a.m.	WebEx	August 26	August 31
October 6	9 a.m.	WebEx	September 26	September 29
November 2	9 a.m.	WebEx	October 21	October 26
December 7	9 a.m.	WebEx	November 23	November 30

Author: Nicholas DiSciullo

WebEx Meeting Attendees

Names	Company Name	Sector
Lisa Morelli (Chair)	PJM Interconnection, LLC	Not Applicable

DiSciullo, Nicholas (Secretary)	PJM Interconnection, LLC	Not Applicable
Aguilar, Fabiano Silveira	Strom Power, LLC	Other Supplier
Anders, David	PJM Interconnection, LLC	None
Anderson, Jared	S&P Global Inc.	None
Baizman, Aaron	PJM Interconnection, LLC	None
Baker, Scott	PJM Interconnection, LLC	None
Barker, Jason	Constellation Energy Generation, LLC	Generation Owner
Bastian, Jeff	PJM Interconnection, LLC	None
Benckek, Jim	American Transmission Systems, Inc.	Transmission Owner
Bennett, Stephen	PJM Interconnection, LLC	None
Berg, William	Constellation Energy Generation, LLC	Generation Owner
Bernabeu, Emanuel	PJM Interconnection, LLC	None
Bowker, Shannon	PJM Interconnection, LLC	None
Bowring, Joseph	Monitoring Analytics, LLC	None
Boyle, Glen	PJM Interconnection, LLC	None
Breidenbaugh, Aaron	Rodan Energy Solutions (USA) Inc.	Other Supplier
Bresler, Stu	PJM Interconnection, LLC	None
Brodbeck, John	EDP Renewables North America, LLC	Generation Owner
Bruno, Patrick	PJM Interconnection, LLC	None
Bryson, Michael (Mike)	PJM Interconnection, LLC	None
Burnham, Kat	Advanced Energy Economy (AEE)	None
Callen, Zachary (Zac)	Illinois Commerce Commission	None
Campbell, Bruce	EnergyConnect, Inc.	Other Supplier
Canter, David	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Cao, Roger	PJM Interconnection, LLC	None
Carmean, Gregory	OPSI	None
Carrier, Ronald (Ron)	Big Lake Consulting	None
Carroll, Rebecca	PJM Interconnection, LLC	None
Caven, Augustine	PJM Interconnection, LLC	None
Chang, Sean	Shell Energy North America (US), L.P.	Other Supplier
Chen, Hong	PJM Interconnection, LLC	None
Chmielewski, Brian	PJM Interconnection, LLC	None
Chu, George	PJM Interconnection, LLC	None
Cocco, Michael	Old Dominion Electric Cooperative	Electric Distributor
Colaresi, Chandra	Cpower Energy Management	None
Corash, Richard	PSEG Energy Resources & Trade LLC	Other Supplier
Croop, Danielle	PJM Interconnection, LLC	None
D'Antonio, Phil	PJM Interconnection, LLC	None
Davis, Elizabeth (Becky)	PJM Interconnection, LLC	None
Davis, James (Jim)	Dominion Energy Generation Marketing, Inc.	Generation Owner
DeVita, Thomas	PJM Interconnection, LLC	None
Dillon, Matthew	UGI Development Company	Generation Owner
Domian, Christin	Duquesne Light Company	Transmission Owner
Dorko, Keri	Monitoring Analytics, LLC	None
Downs, Jere	PJM Interconnection, LLC	None
Duensing, Allison	Saracen Energy East LP	Other Supplier
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Dumitriu, Nicolae	PJM Interconnection, LLC	None
Egan, Amanda	PJM Interconnection, LLC	None
Elkins, Rachel	FirstEnergy Corporation	Transmission Owner
Endress, Eric	PJM Interconnection, LLC	None

Ericson, Christine	Illinois Commerce Commission	None
Esterly, Theresa	PJM Interconnection, LLC	None
Fabiano, Janell	PJM Interconnection, LLC	None
Fan, Zhenyu	PJM Interconnection, LLC	None
Farhat, Michelle	PJM Interconnection, LLC	None
Fazio, Danielle	Noble Americas Gas & Power Corp.	Other Supplier
Fernandez, Ray	PJM Interconnection, LLC	None
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
Franks, Christine	PJM Interconnection, LLC	None
Fuess, Christian	PBF Power Marketing, LLC	Generation Owner
Garnett, Bryan	Duke Energy Ohio, Inc.	Transmission Owner
Gates, Jill	PJM Interconnection, LLC	None
Gates, Terry	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Graf, Walter	PJM Interconnection, LLC	None
Graham, Sophie	Adapt2 Solutions, Inc.	None
Guo, JauJia	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Halay, Alina	The Federal Energy Regulatory Commission	None
Hanser, Erik	Michigan Public Service Commission	None
Hastings, David	Market Interconnection Consulting Services (MICS)	None
Hauske, Thomas	PJM Interconnection, LLC	None
Heinle, Frederick (Erik)	Office of the Peoples Counsel for the District of Columbia	End-Use Customer
Herel, Suzanne	PJM Interconnection, LLC	None
Hoatson, Thomas (Tom)	Riverside Generating, LLC	Generation Owner
Hohenshilt, Jennifer	Talen Energy Marketing, LLC	Generation Owner
Holter, Natasha	PJM Interconnection, LLC	None
Hooker, Marquette	Dominion Energy Generation Marketing, Inc.	Generation Owner
Horger, Tim	PJM Interconnection, LLC	None
Horning, Lynn Marie	Customized Energy Solutions, Ltd.*	None
Horstmann, John	Dayton Power & Light Company (The)	Transmission Owner
Hsia, Eric	PJM Interconnection, LLC	None
Hull, Gerit	American Municipal Power, Inc.	Electric Distributor
Hurwich, Mark	Elliott Bay Energy Trading, LLC	Other Supplier
Hyzinski, Tom	GT Power Group	None
Iler, Arthur (Art)	Indiana Office of Utility Consumer Counsel	End-Use Customer
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
Johnston, David	Indiana Utility Regulatory Commission	None
Kalaskar, Rahul	AES Laurel Mountain, LLC	Generation Owner
Kayne, Samuel	State of Delaware	None
Keech, Adam	PJM Interconnection, LLC	None
Keenan, Matthew	Jpower USA	None
Kelly, Stephen	Brookfield Energy Marketing LP	Other Supplier
Kenney, Susan	PJM Interconnection, LLC	None
Kent, Janessa	Duquesne Light Company	Transmission Owner
Kilgallen, Kevin	Avangrid Renewables LLC	Generation Owner

Kirk, Ryan	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Knotts, Pamela	DE Public Service Commission	None
Kogut, George	New York Power Authority	Other Supplier
Lai, Erin	PJM Interconnection, LLC	None
Laios, Takis	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Langbein, Pete	PJM Interconnection, LLC	None
LaRocque, Matthew	PJM Interconnection, LLC	None
Lejcar, Jamie	Allegheny Electric Cooperative, Inc.	Electric Distributor
Libbos, Robin	FirstEnergy Corporation	Transmission Owner
Lockwood, Dan	PJM Interconnection, LLC	None
Lu, Chen	PJM Interconnection, LLC	None
Mabry, David	McNees Wallace & Nurick LLC	None
Markiewicz, Cindy	FirstEnergy Corporation	Transmission Owner
Martin, Valerie	The Federal Energy Regulatory Commission	None
Matuszak, Alex	UGI Energy Services, LLC	Other Supplier
McGill, Susan	PJM Interconnection, LLC	None
McGlynn, Paul	PJM Interconnection, LLC	None
McLaverty, Megan	PJM Interconnection, LLC	None
McNeil, Justin	Office of the Attorney General, Kentucky	End-Use Customer
Messina, Emmy	PJM Interconnection, LLC	None
Midgley, Sharon	Exelon Business Services Company, LLC	Transmission Owner
Militello, Nicole	PJM Interconnection, LLC	None
Miller, John	Commonwealth Edison Company	Transmission Owner
Mok, Alan	Duke Energy Kentucky, Inc.	Transmission Owner
Mooney, Jeff	FirstEnergy Corporation	Transmission Owner
O'Hara, Bernard (Bernie)	Sargent & Lundy	None
Okenfuss, James	Savion, LLC	None
Olaley, Michael	PJM Interconnection, LLC	None
Ondayko, Brock	AEP Appalachian Transmission Company, Inc.	Transmission Owner
O'Neill, Jack	PJM Interconnection, LLC	None
Pakela, Greg	DTE Energy Trading, Inc.	Other Supplier
Patel, Keyur	PJM Interconnection, LLC	None
Pelletier, Eveline	Hydro-Quebec	None
Peoples, John	Duquesne Light Company	Transmission Owner
Phillips, Darlene	PJM Interconnection, LLC	None
Pilong, Christopher	PJM Interconnection, LLC	None
Pilong, Melissa	PJM Interconnection, LLC	None
Poulos, Greg	CAPS	None
Pratt, Nicholas (Nick)	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Price, Ruth	Division of the Public Advocate of the State of Delaware	End-Use Customer
Purdie, Michael	Dominion Virginia Power	None
Rahimi, Farrokh	OATI Energy Trading	None
Ramsey, James	Suffolk Fund LLC	None
Rayhorn, Carolyn	Dominion Virginia Power	None
Robinson, Becky	Vista Energy Marketing, L.P.	Other Supplier
Rodriguez, Tomas	OPSI	None
Rohrbach, John	Southern Maryland Electric Cooperative, Inc.	Electric Distributor
Roy Chowdhury, Meghadeep	Yes Energy, LLC	None
Rutledge, Craig	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Salaneck, Alexandra	Monitoring Analytics, LLC	None
Sasser, Jonathan	Customized Energy Solutions, Ltd.*	None

Scarpignato, David (Scarp)	Calpine Energy Services, L.P.	Generation Owner
Scheidecker, Paul	PJM Interconnection, LLC	None
Schisler, Ken	Enel X North America, Inc.	Other Supplier
Schmitt, David	New Jersey Board of Public Utilities	None
Schreim, Morris	Maryland Public Service Commission	None
Schuyler, Ken	PJM Interconnection, LLC	None
Schweizer, David	PJM Interconnection, LLC	None
Scott, Nicole	PJM Interconnection, LLC	None
Servera, Max	Unicia Energy LP	Other Supplier
Shanker, Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Shegarfi, Roozbeh	Exelon Business Services Company, LLC	Transmission Owner
Smolanitsky, Yuri	PJM Interconnection, LLC	None
Sotkiewicz, Paul	E-Cubed Policy Associates	None
Souder, Michelle	PJM Interconnection, LLC	None
Squibb, Bill	Ohio Valley Electric Corp	Transmission Owner
Stadelmeyer, Rebecca	PJM Interconnection, LLC	None
Starkov, Stefan	PJM Interconnection, LLC	None
Stern, Alexander (Alex)	Public Service Electric & Gas Company	Transmission Owner
Stone, Andy	PJM Interconnection, LLC	None
Strella, Lauren	PJM Interconnection, LLC	None
Stuchell, Jeff	FirstEnergy Corporation	Transmission Owner
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	None
Terranova, Chris	PJM Interconnection, LLC	None
Tibbetts, Maeve	K & L Gates	None
Tyler, Catherine	Monitoring Analytics, LLC	None
Wadsworth, Joseph	Vitol Inc.	Other Supplier
Walcavich, Colin	National Grid Renewables, LLC	None
Ward, Michael	PJM Interconnection, LLC	None
Warshel, Kim	PJM Interconnection, LLC	None
Wehnes, Kathleen	Maryland Public Service Commission	None
Whitehead, Jeffrey	GT Power Group	None
Xu, Xu	PJM Interconnection, LLC	None
Yeaton, Andrea	PJM Interconnection, LLC	None
Yoder, Michael	RTO Insider	None
Yoo, Kyungjin	PJM Interconnection, LLC	None
Zemanek, Kevin	Buckeye Power, Inc.	Electric Distributor
Zhang, Michael (Mike)	PJM Interconnection, LLC	None