

Market Implementation Committee (MIC)

WebEx Only

February 9, 2022

9:00 a.m. – 1:40 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 January 12, 2022 Market Implementation Committee meeting with **0 objections and 0 abstentions**.

1. Nicholas DiSciullo reviewed the MIC Work Plan.
2. Susan McGill provided an update on the mandatory Browserless/API 2 Factor Authentication Public Key Infrastructure (PKI) implementation.
- X. Weak Encryption Retirement**
Amanda Egan provided an update on the retirement of Weak Encryption and its impact to the Voting Application.

Endorsements/Approvals

3. **Manual 27 Revisions – Schedule 9 and 10**
Rebecca Stadelmeyer reviewed conforming revisions to Manual 27: Open Access Transmission Tariff Accounting resulting from PJM's recent formula rate filing (Docket No. ER2-26).
The committee endorsed the Manual 27 revisions by acclamation with 0 objections and 0 abstentions.
4. **Pseudo Modeled Combined Cycle Minimum Run Time Guidance**
 - a) Tom Hauske reviewed Package A addressing Pseudo Modeled Combined Cycle Minimum Run Time Guidance.
 - b) Lisa Morelli facilitated a discussion on the CBIR matrix. Updates were made to the solution options and Package A during the meeting. A Post-Meeting version of the matrix has been posted to the meeting materials.

The committee deferred the endorsement vote on Package A to the March MIC meeting. Package A will be brought to the February 24 MRC meeting for a first read.

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

First Readings

5. **Manual 18 Revisions – MOPR, MSOC, Historic Net EAS**
Jeff Bastian provided a first read of 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 will be asked to endorse the revisions at its next meeting.

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

Jack O'Neill provided a first read of a Problem Statement and Issue Charge addressing 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 will be asked to approve the Issue Charge at its next meeting.

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

Phil D'Antonio provided a first read of 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 will be asked to approve the issue charge at its next meeting.

Working Items

8. **Market Suspension**

Lisa Morelli facilitated a discussion to develop packages on the Market Suspension matrix as part of the Consensus Based Issue Resolution process. Updates were made to the solution options and packages during the meeting. A Post-Meeting version of the matrix has been posted to the meeting materials. PJM, the IMM and Calpine will work offline between meetings and the committee will continue the CBIR process at its next meeting.

[Issue Tracking: Rules Related to Market Suspension](#)

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

- a) Jeff Bastian provided education regarding current capacity offer requirements for existing generation resources. Yuri Smolanitsky provided education on interconnection requirements for new, large, fast response interruptible commercial load co-located with existing generation.
- b) Jason Barker, Constellation, provided education on potential configurations for the service of co-located load.

The committee will continue discussing this issue at its next meeting.

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

Additional Items

10. **2022/23 ARR/FTR Update**

Xu Xu reviewed the ARR/FTR modeling processes completed to date and upcoming deadlines for the 2022/2023 planning year.

11. **Incremental Auction Revenue Rights for RTEP Upgrades**

Emmy Messina provided an update on Incremental Auction Revenue Rights for upgrades in the Regional Transmission Expansion Plan for the 2022/2023 planning year.

12. **Renewable Dispatch**

Mike Zhang provided an informational update on the Renewable Dispatch issue recently initiated at the Operating Committee.

[Issue Tracking: Renewable Dispatch](#)

13. Unit Specific Parameter Adjustment Process

Lauren Strella Wahba provided an update on the Unit Specific Parameter Adjustment Process.

14. Cost Development Subcommittee Update

Nicole Scott provided an informational update on the work to be performed at the Cost Development Subcommittee.

Informational Section

PJM Net Energy Injections Quarterly Review

Materials are posted as informational only.

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](#).

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.
March 9	9 a.m.	WebEx	February 25	March 2
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

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
Olaleye, 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
Smolnitsky, 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
Stadlmeyer, 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



Minutes

As of February 16, 2022

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