

## Market Implementation Committee (MIC)

WebEx Only

December 1, 2021

9:00 a.m. – 12:25 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 November 3, 2021 Market Implementation Committee meeting with **0 objections and 0 abstentions**.

Nicholas DiSciullo reviewed the 2022 MIC Work Plan.

Nicholas DiSciullo provided an update on the Start-Up Cost Offer Development issue. Alternative solutions than those covered during the November MIC meeting will be reviewed at the December 2, 2021 Cost Development Subcommittee meeting and brought back to a future MIC meeting.

### Endorsements/Approvals

#### 2. Fuel Cost Policy Standards and Schedule 2 Penalties

Melissa Pulong reviewed the PJM/IMM proposal, elaborating upon and addressing clarifications to Fuel Cost Policy standards and Schedule 2 Penalty language developed through the Cost Development Subcommittee.

**The committee endorsed the PJM/IMM proposal with 221 (95%) in favor, 11 (5%) opposed, and 14 abstentions.**

**A second vote showed stakeholders preferred the PJM/IMM proposal over status quo with 192 (95%) in favor, 11 (5%) opposed, and 5 abstentions.**

[Issue Tracking: Fuel Cost Policy](#)

#### 3. Manual 6 Revisions

Emmy Messina reviewed conforming changes to Manual 6: Financial Transmission Rights resulting from the endorsement of the AFMTF PJM/Joint Stakeholder package at the October MRC.

**The committee endorsed the Manual 6 revisions by acclamation with 0 objections and 0 abstentions.**

[Issue Tracking: ARR/FTR Market Review](#)

#### 4. Regulation for Virtual Combined Cycles

Michael Olaleye reviewed Package A addressing Regulation for Virtual Combined Cycles.

**The committee endorsed Package A by acclamation with 0 objections and 0 abstentions.**

**A second acclamation vote showed stakeholders support the proposal over status quo with 0 objections and 0 abstentions.**

[Issue Tracking: Regulation for Virtual Combined Cycles](#)

## First Readings

### 5. **Pseudo Modeled Combined Cycle Minimum Run Time Guidance**

Tom Hauske provided education and a first read of a Problem Statement and Issue Charge addressing Pseudo Modeled Combined Cycle Minimum Run Time Guidance. The committee will be asked to approve the issue charge as part of the “CBIR Lite” process outlined in Section 8.6.2 of Manual 34 at its next meeting. If the issue charge is approved, the committee will begin interest identification and developing design components and solution options as part of the CBIR process at its next meeting.

### 6. **De-Energized Bus Replacement**

Vijay Shah provided a first read of conforming revisions to Manual 11: Energy and Ancillary Services Market Operations as part of 5 Minute Dispatch and Pricing. The changes address enhancements to the Dead Bus Replacement logic for assigning prices to de-energized pricing nodes. The committee will be asked to endorse the Manual revisions at its next meeting.

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

Jason Barker, Exelon, provided a first read of a new Problem Statement and Issue Charge addressing the treatment of generation with co-located load. The committee will be asked to approve the issue charge at its next meeting.

## Working Items

### 7. **Market Suspension**

Stefan Starkov, PJM, and David Scarpignato, Calpine, provided an update on the additional considerations related to the Market Suspension issue.

Lisa Morelli facilitated a discussion to review and identify additional interests, design components and solution options on the Market Suspension matrix as part of the Consensus Based Issue Resolution process, and updates were provided during the meeting. A Post-Meeting version of the matrix has been posted to the meeting materials. The committee will continue the CBIR process by beginning to develop straw man proposals at its next meeting.

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

## Additional Items

### 8. **Offer Verification**

Vijay Shah provided an informational update on an upcoming Offer Verification education session to be held on January 12, 2022.

### 9. **Fuel Requirements for Black Start Resources Update**

Dan Bennett provided a status update on FRBSR hiatus work.

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

### 10. **Rules for Siting New Load behind POI of Existing Generation**

Jeff Bastian provided an informational update on a Frequently Asked Questions document on PJM rules regarding the siting of new host load directly behind the meter of an existing generation resource.

**11. Cost Development Subcommittee Update**

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

**12. DER and Inverter-Based Resources Subcommittee Update**

Scott Baker provided an informational update on the FERC Order 2222 compliance.

**Informational Section**

**Unit Specific Parameter Adjustment Process**

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.
February 9	9 a.m.	WebEx	January 28	February 2

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	Exelon Business Services Company, LLC	Transmission Owner
Bastian, Jeff	PJM Interconnection, LLC	None
Benchek, Jim	American Transmission Systems, Inc.	Transmission Owner
Bennett, Daniel (Dan)	PJM Interconnection, LLC	None
Borgatti, Michael	Gabel and Associates	None
Bowring, Joseph	Monitoring Analytics, LLC	None
Boyle, Glen	PJM Interconnection, LLC	None
Bresler, Stu	PJM Interconnection, LLC	None
Brodbeck, John	EDP Renewables North America, LLC	Generation Owner
Bruno, Patrick	PJM Interconnection, LLC	None
Callaghan, Chris	PJM Interconnection, LLC	None
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
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
Christopher, Mahila	Public Utilities Commission of Ohio (The)	None
Chu, George	PJM Interconnection, LLC	None
Cocco, Michael	Old Dominion Electric Cooperative	Electric Distributor
Conklin, Tyler	Public Utilities Commission of Ohio	None
Coyle, Billy	Dominion Virginia Power	None
Coyne, Suzanne	PJM Interconnection, LLC	None
Croop, Danielle	PJM Interconnection, LLC	None
D'Alessandris, Lou	FirstEnergy Corporation	Transmission Owner
Davis, James (Jim)	Dominion Energy Generation Marketing, Inc.	Generation Owner
Davis, Mike	Northern Virginia Electric Cooperative	Electric Distributor
DeVita, Thomas	PJM Interconnection, LLC	None
Dillon, Matthew	UGI Development Company	Generation Owner
DiNicola, Laura	FirstEnergy Corporation	Transmission 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
Esterly, Theresa	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
Fereshetian, Damon	PJM Interconnection, LLC	None
Fernandez, Ray	PJM Interconnection, LLC	None
Filomena, Guy	Customized Energy Solutions, Ltd.*	None
Fink, Regan	Pine Gate Mid-Atlantic, LLC	Other Supplier
Fishback, Luke	Affirmed Energy LLC	Other Supplier
Fitzpatrick, Brian	PJM Interconnection, LLC	None
Flagler, Grant	0	0
Foladare, Kenneth (Ken)	Geenex Solar LLC	Other Supplier
Ford, Adrien	Old Dominion Electric Cooperative	Electric Distributor
Frogg, Darrell	PJM Interconnection, LLC	None
Fuess, Christian	PBF Power Marketing, LLC	Generation Owner
Gates, Terry	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Gorman, Brad	American Transmission Systems, Inc.	Transmission Owner
Graham, Sophie	Adapt2 Solutions, Inc.	None
Greening, Michele	PJM Interconnection, LLC	None
Greiner, Gary	PSEG Energy Resources & Trade LLC	Other Supplier
Hagaman, Derek	GT Power Group	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
Heisey, Bradley	Wolf Hills Energy, LLC	Generation Owner
Heitmeyer, Chad	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Herel, Suzanne	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
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
Hussing, Greg	None	None
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
Josyula, Siva	Monitoring Analytics, LLC	None

Kalle, Ibrahima	Tibiri Energies	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
Khan, Bakhtawar	Gabel and Associates	None
Kilgallen, Kevin	Avangrid Renewables LLC	Generation Owner
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
Levitt, Andrew	PJM Interconnection, LLC	None
Libbos, Robin	FirstEnergy Corporation	Transmission Owner
Litchfield, Matthew	CPV Shore, LLC	Generation Owner
Lu, Chenchao	PJM Interconnection, LLC	None
Mabry, David	McNees Wallace & Nurick LLC	None
Malcolm, Kimberly	FirstEnergy Corporation	Transmission Owner
Mariam, Yohannes	Office of the Peoples Counsel for the District of Columbia	End-Use Customer
Markiewicz, Cindy	FirstEnergy Corporation	Transmission Owner
Matuszak, Alex	UGI Energy Services, LLC	Other Supplier
McArdle, Brian	NextEra Energy Power Marketing, LLC	Other Supplier
McCormick, Katharine	Illinois Commerce Commission	None
McLavery, Megan	PJM Interconnection, LLC	None
McNeil, Justin	Office of the Attorney General, Kentucky	End-Use Customer
Mendelsohn, Mark	Noble Americas Gas & Power Corp.	Other Supplier
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
Nix, Emma	Gable and Associates	None
O'Hara, Bernard (Bernie)	Sargent & Lundy	None
Olaleye, Michael	PJM Interconnection, LLC	None
Ondayko, Brock	AEP Appalachian Transmission Company, Inc.	Transmission Owner
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
Perera, Asanga	PJM Interconnection, LLC	None
Phillips, Darlene	PJM Interconnection, LLC	None
Phillips, Jennifer	C.P. Crane LLC	Generation Owner
Pilong, Christopher	PJM Interconnection, LLC	None
Pilong, Melissa	PJM Interconnection, LLC	None
Pratt, Nicholas (Nick)	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Proconiar, Jason	Dayton Power & Light Company (The)	Transmission Owner
Rahimi, Farokh	Open Access Technology International, Inc.	None
Robinson, Becky	Vista Energy Marketing, L.P.	Other Supplier
Rodriguez, Tomas	OPSI	None
Rohrbach, John	Southern Maryland Electric Cooperative, Inc.	Electric Distributor

Rooney, Alexa	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Ruck, Andrew	Freepoint Commodities LLC	Other Supplier
Sasser, Jonathan	Customized Energy Solutions, Ltd.*	None
Scarpignato, David (Scarp)	Calpine Energy Services, L.P.	Generation Owner
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
Seirig, Bahaa	Con Edison Co. of NY	None
Shah, Vijay	PJM Interconnection, LLC	None
Shaikh, Mohammed	Plus Power, LLC	None
Shanker, Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Sorrels, James	AEP Appalachian Transmission Company, Inc.	Transmission Owner
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
Stefanowicz, Vincent	PJM Interconnection, LLC	None
Stone, Andy	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
Sweeney, Rory	GT Power Group	None
Tibbetts, Maeve	K & L Gates	None
Wadsworth, Joseph	Vitol Inc.	Other Supplier
Ward, Michael	PJM Interconnection, LLC	None
Warner-Freeman, Jennifer	PJM Interconnection, LLC	None
Warshel, Kim	PJM Interconnection, LLC	None
Wehnes, Kathleen	Maryland Public Service Commission	None
Whitehead, Jeffrey	GT Power Group	None
Widom, Stuart	PJM Interconnection, LLC	None
Yoder, Michael	RTO Insider	None
Yovanovich, Laura	PJM Interconnection, LLC	None
Zhao, Tong	PJM Interconnection, LLC	None