

Market Implementation Committee (MIC)

WebEx Only

September 9, 2021

9:00 a.m. – 3:00 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 August 11, 2021 Market Implementation Committee meeting with **0 objections and 0 abstentions**.

Nicholas DiSciullo provided an update on the Reactive Power Compensation Plan.

Endorsements/Approvals

2. **Manual 15 Revisions - Incremental & No Load Energy Offer**

Tom Hauske provided an overview of the Manual 15: Cost Development Guidelines revisions that were developed in the CDS.

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

3. **Regional Transmission and Energy Scheduling Practices Revisions**

Chris Pacella provided an overview of revisions to the Regional Transmission and Energy Scheduling Practices document.

The committee endorsed the revisions to the Regional Transmission and Energy Scheduling Practices document by acclamation with 0 objections and 0 abstentions.

4. **RPM Capacity Transfer Rights**

Kevin Zemanek, Buckeye Power, reviewed the Buckeye proposal addressing RPM Capacity Transfer Rights.

The committee did not endorse the proposal with 55 (28%) in favor, 141 (72%) opposed, and 37 abstentions.

A second vote showed stakeholders did not prefer the proposal over status quo with 43 (23%) in favor, 144 (77%) opposed, and 46 abstentions.

[Issue Tracking: Capacity Transfer Rights in RPM](#)

5. **Undefined Regulation Mileage Ratio Calculation**

a) Michael Olaley reviewed the PJM proposal addressing Undefined Regulation Mileage Ratio Calculation.

b) Joe Bowring, IMM, reviewed the IMM proposal addressing Undefined Regulation Mileage Ratio Calculation.

The committee endorsed the PJM proposal with 152 (64%) in favor, 85 (36%) opposed, and 7 abstentions.

A second vote showed stakeholders preferred the PJM proposal over status quo with 147 (67%) in favor, 72 (33%) opposed, and 31 abstentions.

The committee did not endorse the IMM proposal with 100 (44%) in favor, 129 (56%) opposed, and 21 abstentions.

A second vote showed stakeholders did not prefer the IMM proposal over status quo with 102 (47%) in favor, 116 (53%) opposed, and 26 abstentions.

The PJM proposal moves to the Market and Reliability Committee (MRC) as the primary motion.

[Issue Tracking: Undefined Regulation Mileage Ratio Calculation](#)

First Readings

6. Peak Shaving Plan: Performance Rating

Ed Rich provided a first read of the Problem Statement and Issue Charge and solution addressing the Peak Shaving Adjustment shortfall calculation.

The committee will be asked to approve the issue charge and endorse the solution as part of the Quick Fix process outlined in Section 8.6.1 of Manual 34 at its next meeting.

7. Energy Efficiency (EE) Addback

a) Jeff Bastian provided a first read of the IMM/PJM proposal addressing the calculation of the EE Addback.

b) Lisa Morelli facilitated a discussion on the CBIR matrix. Stakeholders were given an opportunity to offer additional design components, solution options and proposals during the meeting. None were provided.

The committee will be asked to endorse the IMM/PJM proposal during its next meeting.

[Issue Tracking: Energy Efficiency Addback](#)

8. ARR/FTR Market Task Force Update

a) Brian Chmielewski provided an overview of the activities of the task force and proposals developed through the ARR/FTR Market Task Force. Brian provided additional detail on the PJM/Joint Stakeholder proposal.

b) Joe Bowring and Howard Haas, IMM, provided additional detail on the IMM proposal.

c) Erik Heinle, DC OPC, provided additional detail on the DC OPC proposal.

d) Jau Guo, AEP, provided additional detail on the AEP proposal.

The committee will be asked to endorse the proposals during its next meeting.

Working Items

9. Regulation for Virtual Combined Cycles

Becky Robinson, Vistra, provided an overview of the design components and solution options in the Regulation for Virtual Combined Cycles matrix.

Lisa Morelli facilitated a discussion to identify additional design components and solution options. None were provided.

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

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

Additional Items

10. **Parameter Limited Schedules / Real-Time Values**

Keyur Patel and Lauren Strella Wahba provided an update on PJM's approach for a response to FERC on Parameter Limited Schedules and Real Time Values. Stakeholders provided feedback on the draft Tariff redlines related to submission of real time values that PJM intends to propose as part of its Answer to the Show Cause Order.

11. **2022 PJM Project Budget**

Jim Snow provided an update on the preliminary 2022 project budget.

12. **nGEM Project Update**

Ray Fernandez provided an update on the Next Generation Energy Market (nGEM) Software replacement project.

13. **Capacity Market Seller Offer Cap Order and Revised Auction Timelines**

Chen Lu provided an overview of the Capacity Market Seller Offer Cap order FERC recently issued in Docket Nos. EL-19-47, EL19-63 and ER21-2444. Pete Langbein presented and solicited feedback on draft timelines for the pre-auction activities for the upcoming December Base Residual Auction which are impacted by this order and the timing of the auction itself.

Pete noted that the posted materials contained incorrect information regarding auctions that will need to change if the BRA is delayed. The proposed delay in the BRA will not result in any delay to the capacity auctions getting back to the normal schedule.

A Post-Meeting version of the Proposed 23-24 BRA Auction Schedule has been posted to the meeting materials.

Informational Section

ARR FTR Market Task Force (AFMTF)

Meeting materials are posted to the [AFMTF 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.
October 6	9 a.m.	WebEx	September 24	September 29
November 3	9 a.m.	WebEx	October 22	October 27
December 1	9 a.m.	WebEx	November 19	November 24

Author: Nicholas DiSciullo

WebEx Meeting Attendees

Names	Company Name	Sector
Morelli, Lisa (Chair)	PJM Interconnection, LLC	Not Applicable
DiSciullo, Nicholas (Secretary)	PJM Interconnection, LLC	Not Applicable
Abdur-Rahman, Muhsin	ABB Enterprise Software Inc.	None
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
Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
Bastian, Jeff	PJM Interconnection, LLC	None
Bearden, Joel	Cargill Power Markets LLC	Other Supplier
Beban, Madalyn	PJM Interconnection, LLC	None
Benckek, Jim	American Transmission Systems, Inc.	Transmission Owner
Bloom, David	Baltimore Gas and Electric Company	Transmission Owner
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, Joshua	PJM Interconnection, LLC	None
Bruno, Patrick	PJM Interconnection, LLC	None
Bryson, Michael (Mike)	PJM Interconnection, LLC	None
Callaghan, Chris	PJM Interconnection, LLC	None
Callen, Zachary (Zac)	Illinois Commerce Commission	None
Campbell, Bruce	EnergyConnect, Inc.	Other Supplier

Canchi, Devendra	Monitoring Analytics, LLC	None
Canter, David	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Cao, Roger	PJM Interconnection, LLC	None
Carmean, Gregory	OPSI	None
Carroll, Rebecca	PJM Interconnection, LLC	None
Chang, Sean	Shell Energy North America (US), L.P.	Other Supplier
Chappelle, Laura	Chappell Consulting	None
Chmielewski, Brian	PJM Interconnection, LLC	None
Chu, George	PJM Interconnection, LLC	None
Ciabattoni, Joseph	PJM Interconnection, LLC	None
Cocco, Michael	Old Dominion Electric Cooperative	Electric Distributor
Coyle, Billy	Dominion Virginia Power	None
Coyne, Suzanne	PJM Interconnection, LLC	None
Croop, Danielle	PJM Interconnection, LLC	None
Davis, Elizabeth (Becky)	PJM Interconnection, LLC	None
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
Dolan, James	PJM Interconnection, LLC	None
Dossin, Sophia	Invenergy, LLC	Generation Owner
Douglass, Robert	Exelon Generation Co., LLC	Generation Owner
Drivas, Christina	Lightsource bp	None
Drom, Richard	Eckert Seamans	None
Duensing, Allison	Saracen Energy East LP	Other Supplier
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Egan, Amanda	PJM Interconnection, LLC	None
Ejebe, Gabriel	OATI Energy Trading	None
Elkins, Rachel	FirstEnergy Corporation	Transmission Owner
Fabiano, Janell	PJM Interconnection, LLC	None
Fan, Zhenyu	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
Fink, Sari	American Clean Power Association	None
Fishback, Luke	Affirmed Energy LLC	Other Supplier
Fitch, Neal	NRG Power Marketing LLC	Generation Owner
Fitzpatrick, Brian	PJM Interconnection, LLC	None
Flagler, Grant	ConEdison Energy, Inc.	Other Supplier
Foladare, Kenneth	Geenex Solar LLC	Other Supplier
Ford, Adrien	Old Dominion Electric Cooperative	Electric Distributor
Fox, Angela	Wylan Energy, L.L.C.	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
Gluck, Jim	PJM Interconnection, LLC	None
Graf, Walter	PJM Interconnection, LLC	None

Graham, Sophie	Adapt2 Solutions, Inc.	None
Greening, Michele	PJM Interconnection, LLC	None
Greiner, Gary	PSEG Energy Resources & Trade LLC	Other Supplier
Guntle, Vince	American PowerNet Management	End-Use Customer
Guo, Jau	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Haas, Howard	Monitoring Analytics, LLC	None
Haley, 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
Hayik, Seth	Monitoring Analytics, LLC	None
Heinle, Frederick	Office of the Peoples Counsel for the District of Columbia	End-Use Customer
Heisey, Bradley	Wolf Hills Energy, LLC	Generation Owner
Hepplewhite, Peter	Wrigley Capital LLC	Other Supplier
Herbert, Sebastian	DC Energy Mid-Atlantic, LLC	None
Herel, Suzanne	PJM Interconnection, LLC	None
Hicks, Dave	Noble Americas Energy Solutions LLC	None
Hoatson, 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
Hudis, Gabriella	Jersey Green Energy LLC	Other Supplier
Hudson, Alex	Tenaska Power Services Co.	Generation Owner
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
Kalle, Ibrahima	Tibiri Energies	None
Kauffman, Brian	Enel X North America, Inc.	Other Supplier
Kazerooni, Hamid	PJM Interconnection, LLC	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
Kimmel, David	PJM Interconnection, LLC	None
Kogut, George	New York Power Authority	Other Supplier
Kothakapu, Rakesh	Fellon McCord	None
Lambert, Andrew	PJM Interconnection, LLC	None
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
Lieberman, Steven	American Municipal Power, Inc.	Electric Distributor
Litchfield, Matthew	CPV Shore, LLC	Generation Owner

Lopez-Lopez, Anthony	Bryndan Associates, Inc.	None
Lu, Chenchao	PJM Interconnection, LLC	None
Luzetsky, Robert	TAQA Gen X LLC	Generation Owner
Mabry, David	McNees Wallace & Nurick LLC	None
Marcino, Angelo	PJM Interconnection, LLC	None
Mariam, Yohannes	Office of the Peoples Counsel for the District of Columbia	End-Use Customer
Marzewski, Skyler	Monitoring Analytics, LLC	None
McArdle, Brian	NextEra Energy Power Marketing, LLC	Other Supplier
McGlynn, Paul	PJM Interconnection, LLC	None
McLaughlin, Jeffrey	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
Mok, Alan	Duke Energy Kentucky, Inc.	Transmission Owner
Monzon, Stephanie	PJM Interconnection, LLC	None
Mooney, Jeff	FirstEnergy Corporation	Transmission Owner
Napoli, Matthew	ConEdison Energy, Inc.	Other Supplier
Nix, Emma	Gable and Associates	None
Norton, Chris	American Municipal Power, Inc.	Electric Distributor
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
Pacella, Chris	PJM Interconnection, LLC	None
Pakela, Greg	DTE Energy Trading, Inc.	Other Supplier
Patel, Keyur	PJM Interconnection, LLC	None
Peoples, John	Duquesne Light Company	Transmission Owner
Perera, Asanga	PJM Interconnection, LLC	None
Phenix, Michael	TAQA Gen X LLC	Generation Owner
Philips, Marjorie	Riverside Generating Company, L.L.C.	Generation Owner
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
Poulos, Greg	CAPS	None
Pratt, Nicholas (Nick)	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Price, Mark	DC Energy Mid-Atlantic, LLC	None
Procuriar, Jason	Dayton Power & Light Company (The)	Transmission Owner
Pungaliya, Rajat	Pine Gate Mid-Atlantic, LLC	Other Supplier
Purdie, Michael	Dominion Virginia Power	None
Rahimi, Farrokh	Open Access Technology International, Inc.	None
Rainey, John	Northern Virginia Electric Cooperative	Electric Distributor
Ramsey, James	Suffolk Fund LLC	None
Rayhorn, Carolyn	Dominion Virginia Power	None
Reeping, Bob	Ohio Edison Company	Transmission Owner
Rich, Edward	PJM Interconnection, LLC	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
Salaneck, Alexandra	Monitoring Analytics, LLC	None
Sasser, Jonathan	Customized Energy Solutions, Ltd.*	None
Scarpignato, David	Calpine Energy Services, L.P.	Generation Owner
Schisler, Ken	Enel X North America, Inc.	Other Supplier
Schuyler, Ken	PJM Interconnection, LLC	None
Schweizer, David	PJM Interconnection, LLC	None
Shah, Vijay	PJM Interconnection, LLC	None
Shanker, Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Smith, Kara	Buckeye Power, Inc.	Electric Distributor
Snow, Jim	PJM Interconnection, LLC	None
Solomon, Greg	NextEra Energy Marketing, LLC	Other Supplier
Squibb, Bill	Ohio Valley Electric Corp	Transmission Owner
Stadlmeyer, Rebecca	PJM Interconnection, LLC	None
Starkov, Stefan	PJM Interconnection, LLC	None
Stone, Andy	PJM Interconnection, LLC	None
Strella, Lauren	PJM Interconnection, LLC	None
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
Tangirala, Subha	ABB Enterprise Software Inc.	None
Terranova, Chris	PJM Interconnection, LLC	None
Theodore, Sharon	Electric Power Supply Association	None
Thomas, Jack	PJM Interconnection, LLC	None
Tibbetts, Maeve	K & L Gates	None
Tribulski, Jennifer	PJM Interconnection, LLC	None
Tutino, Joseph	PJM Interconnection, LLC	None
Tyler, Catherine	Monitoring Analytics, LLC	None
Wadsworth, Joseph	Vitol Inc.	Other Supplier
Walker, Tori	Pine Gate Mid-Atlantic, LLC	Other Supplier
Ward, Michael	PJM Interconnection, LLC	None
Warner-Freeman, Jennifer	PJM Interconnection, LLC	None
Warshel, Kim	PJM Interconnection, LLC	None
Watson, Betty	SolarCity	None
Wehnes, Kathleen	Maryland Public Service Commission	None
Whitehead, Jeffrey	GT Power Group	None
Widom, Stuart	PJM Interconnection, LLC	None
Wilson, Rob	Illinois Municipal Electric Agency	Electric Distributor
Wilson, James	Wilson Energy Economics	None
Wisersky, Megan	Madison Gas & Electric Company	Other Supplier
Xu, Xu	PJM Interconnection, LLC	None
Yoder, Michael	RTO Insider	None
Zemanek, Kevin	Buckeye Power, Inc.	Electric Distributor
Zhao, Tong	PJM Interconnection, LLC	None