

## Market Implementation Committee (MIC)

WebEx Only

February 10, 2021

9:00 a.m. – 4:00 p.m. EPT

### Administration

Nick 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, 2021 Market Implementation Committee meeting with **0 objections and 0 abstentions**.

### Endorsements/Approvals

#### 2. RPM Capacity Transfer Rights

Kevin Zemanek, Buckeye Power reviewed the Problem Statement and Issue Charge addressing RPM Capacity Transfer Rights. Some stakeholders requested that additional clarity be added to the Issue Charge for historic resources and Incremental Capacity Transfer Rights (ICTRs). The committee vote for approval of the Issue Charge was deferred. The committee will be asked to approve the Issue Charge at its next meeting.

#### 3. Long-Term 5-Minute Dispatch & Pricing Work Plan

Aaron Baizman provided an update on the Long-Term timeline and reviewed the solution package from the Long-Term Five Minute Dispatch & Pricing Matrix that was worked in MIC Special Session meetings. The endorsement vote on the PJM/IMM proposal was removed from the agenda prior to the meeting. Additional discussion will continue on this issue during the March MIC meeting, including a second first read of the PJM/IMM proposal on Long-Term Design. The committee will be asked to endorse the PJM/IMM proposal at its next meeting.

[Issue Tracking: Five Minute Dispatch and Pricing](#)

### First Readings

#### 4. Manual 11 Revisions

Nikki Militello provided a first read of revisions to Manual 11: Energy & Ancillary Service Market Operations as part of the biennial cover-to-cover review. The committee will be asked to endorse the revisions at its next meeting.

#### 5. Capital Recovery Factor for Avoidable Project Investment Cost Determinations

Jeff Bastian provided a second first read of the Problem Statement and Issue Charge addressing Capital Recovery Factor for Avoidable Project Investment Cost Determinations. 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.

## Working Items

### 6. **Market Suspension**

- a) Stefan Starkov reviewed PJM's proposed solution option updates on the Market Suspension matrix and provided education to support the proposed updates.
- b) Lisa Morelli facilitated a discussion on the Market Suspension matrix. The committee provided additional design components and solution options. This issue will continue to be worked at the next MIC meeting.

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

### 7. **Transparency in Performance Assessment Interval Settlements**

Susan Kenney reviewed draft Manual 18: PJM Capacity Market clarifying language associated with two of the areas identified as needing additional transparency in PAI Settlements, both related to resource modeling. Additional discussion on this issue will continue after the conclusion of the Capacity Market Workshops.

[Issue Tracking: Transparency in Performance Assessment Interval \(PAI\) Settlements](#)

## Additional Items

### 8. **PPL Dynamic Line Ratings**

Shaun Murphy provided an update on recent Dynamic Line Ratings discussions and PJM's plans to track and coordinate future stakeholder discussions.

### 9. **2021/22 ARR/FTR Update**

Emmy Messina reviewed the ARR/FTR modeling processes completed to date and upcoming deadlines for the 2021/2022 planning year.

### 10. **Incremental Auction Revenue Rights for RTEP Upgrades**

Xu Xu provided an update on Incremental Auction Revenue Rights for upgrades in the Regional Transmission Expansion Plan for the 2021/2022 planning year.

### 11. **Elgin Energy Center and Kincaid SPS/RAS Retirement**

Alan Engelmann, ComEd, reviewed the retirement of the Elgin Energy Center and Kincaid Special Protection Systems (SPS) and Remedial Action Schemes (RAS).

### 12. **Cost Development Subcommittee**

Nicole Scott provided an overview of the work plan for the recently re-chartered Cost Development Subcommittee.

### 13. **Fast Start Pricing Order Overview**

Vijay Shah and Rebecca Stadelmeyer provided details of PJM's Fast Start Pricing compliance filing for docket ER19-2722.

### 14. **Reactive Power in PJM**

Thomas DeVita provided an overview of Reactive Power compensation in PJM, its history and comparison to practices at other ISOs and RTOs.

## Informational Section

### Q4 2020 Net Energy Injections Quarterly Report

Materials are posted as informational only.

### CP Unit Specific Parameter Update

Materials are posted as informational only.

### Interregional Coordination Update

Materials are posted as informational only.

### 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

March 10, 2021	9:00 a.m.	WebEx
April 7, 2021	9:00 a.m.	WebEx
May 13, 2021	9:00 a.m.	WebEx
June 9, 2021	9:00 a.m.	WebEx
July 14, 2021	9:00 a.m.	TBD
August 11, 2021	9:00 a.m.	TBD
September 9, 2021	9:00 a.m.	TBD
October 6, 2021	9:00 a.m.	TBD
November 3, 2021	9:00 a.m.	TBD
December 1, 2021	9:00 a.m.	TBD

Author: Nick DiSciullo

## WebEx Meeting Attendees

<b>Names</b>	<b>Company Name</b>	<b>Sector</b>
Morelli, Lisa (Chair)	PJM Interconnection, LLC	Not Applicable
DiSciullo, Nicholas (Secretary)	PJM Interconnection, LLC	Not Applicable
Afelumo, Foluso	PJM Interconnection, LLC	Not Applicable
Aguilar, Fabiano Silveira	Strom Power, LLC	Other Supplier
Ali, Shadab	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Anders, David	PJM Interconnection, LLC	Not Applicable
Anderson, Jared	S&P Global	Not Applicable
Baizman, Aaron	PJM Interconnection, LLC	Not Applicable
Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
Bastian, Jeff	PJM Interconnection, LLC	Not Applicable
Benchek, Jim	American Transmission Systems, Inc.	Transmission Owner
Bernabeu, Emanuel	PJM Interconnection, LLC	Not Applicable
Bleiweis, Bruce	DC Energy LLC	Other Supplier
Bloom, David	Baltimore Gas and Electric Company	Transmission Owner
Bowring, Joseph	Monitoring Analytics, LLC	Not Applicable
Boyle, Glen	PJM Interconnection, LLC	Not Applicable
Breidenbaugh, Aaron	Rodan Energy Solutions (USA) Inc.	Other Supplier
Brodbeck, John	EDP Renewables North America, LLC	Generation Owner
Bruno, Joshua	PJM Interconnection, LLC	Not Applicable
Bruno, Patrick	PJM Interconnection, LLC	Not Applicable
Campbell, Bruce	EnergyConnect, Inc.	Other Supplier
Carmean, Gregory	OPSI	Not Applicable
Carrier, Ron	Direct Energy Business, LLC	Other Supplier
Carroll, Rebecca	PJM Interconnection, LLC	Not Applicable
Chang, Sean	Shell Energy North America (US), LP	Other Supplier
Chen, Hong	PJM Interconnection, LLC	Not Applicable
Chmielewski, Brian	PJM Interconnection, LLC	Not Applicable
Chu, George	PJM Interconnection, LLC	Not Applicable
Ciabattoni, Joseph	PJM Interconnection, LLC	Not Applicable
Cocco, Michael	Old Dominion Electric Cooperative	Electric Distributor
Coyne, Suzanne	PJM Interconnection, LLC	Not Applicable
Croop, Danielle	PJM Interconnection, LLC	Not Applicable
Crystle, Gil	UGI Development Company	Generation Owner
D'Alessandris, Lou	FirstEnergy Solutions Corp.	Transmission Owner
D'antonio, Phil	PJM Interconnection, LLC	Not Applicable
Davis, James (Jim)	Dominion Energy Marketing, Inc.	Generation Owner
Depillo, Raymond	PSEG Energy Resources and Trade LLC	Other Supplier
DeVita, Thomas	PJM Interconnection, LLC	Not Applicable
Di Iorio, Michelle	PSEG Energy Resources and Trade LLC	Other Supplier
Dillon, Matthew	UGI Development Company	Generation Owner
DiNicola, Laura	FirstEnergy Solutions Corp.	Transmission Owner
Dirani, Rami	PJM Interconnection, LLC	Not Applicable
Downs, Jere	PJM Interconnection, LLC	Not Applicable
Drom, Richard	Eckert Seamans	Not Applicable
Dropkin, Ilyana	PJM Interconnection, LLC	Not Applicable
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Elkins, Rachel	First Energy Company	Transmission Owner
Ericson, Christine	Illinois Commerce Commission	Not Applicable

Esterly, Theresa	PJM Interconnection, LLC	Not Applicable
Evergam, Scott	The Federal Energy Regulatory Commission	Not Applicable
Fabiano, Janell	PJM Interconnection, LLC	Not Applicable
Fan, Zhenyu	PJM Interconnection, LLC	Not Applicable
Fazio, Danielle	Noble Americas Gas & Power Corp.	Not Applicable
Fereshetian, Damon	PJM Interconnection, LLC	Not Applicable
Fernandez, Raymond	PJM Interconnection, LLC	Not Applicable
Filomena, Guy	Customized Energy Solutions, Ltd.	Not Applicable
Fishback, Luke	Affirmed Energy LLC	Other Supplier
Foladare, Kenneth	Tangibl	Not Applicable
Ford, Adrien	Old Dominion Electric Cooperative	Electric Distributor
Fuess, Christian	PBF Power Marketing LLC	Generation Owner
Gates, Terry	Appalachian Power Company	Transmission Owner
Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Greening, Michele	PJM Interconnection, LLC	Not Applicable
Grooms, Craig	Buckeye Power, Inc.	Electric Distributor
Guntle, Vince	American PowerNet Management	End-Use Customer
Hanser, Erik	Michigan Public Service Commission	Not Applicable
Hastings, David	Market Interconnection Consulting Services (MICS)	Not Applicable
Hatch, Kevin	PJM Interconnection, LLC	Not Applicable
Hauske, Thomas	PJM Interconnection, LLC	Not Applicable
Heinle, Frederick	Office of the People's Counsel	End-Use Customer
Hoatson, Tom	Riverside Generating, LLC	Generation Owner
Hohenshilt, Jennifer	Talen Energy Marketing, LLC	Generation Owner
Holter, Natasha	PJM Interconnection, LLC	Not Applicable
Horger, Tim	PJM Interconnection, LLC	Not Applicable
Horning, Lynn Marie	Customized Energy Solutions, Ltd.	Not Applicable
Horstmann, John	Dayton Power & Light Company (The)	Transmission Owner
Hsia, Eric	PJM Interconnection, LLC	Not Applicable
Hudis, Gabriella	Jersey Green Energy LLC	Other Supplier
Hull, Gerit	Jennings, Strouss & Salmon, P.L.C.	Not Applicable
Hurwich, Mark	Elliott Bay Energy Trading, LLC	Other Supplier
Hyzinski, Tom	GT Power Group	Not Applicable
Iler, 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
Jens, Thomas	Black Oak Energy, LLC	Other Supplier
Jett, William	Duke Energy Business Services LLC	Transmission Owner
Johnson, Carl	Customized Energy Solutions, Ltd.	Not Applicable
Johnston, David	Indiana Utility Regulatory Commission	Not Applicable
Josyula, Siva	Monitoring Analytics, LLC	Not Applicable
Kauffman, Brian	Enel X North America, Inc.	Other Supplier
Keenan, Matthew	Jpower USA	Not Applicable
Kelly, Gwen	PSEG Energy Resources and Trade LLC	Other Supplier
Kelly, Stephen	Brookfield Energy Marketing LP	Other Supplier
Kenney, Susan	PJM Interconnection, LLC	Not Applicable
Kilgallen, Kevin	Avangrid Renewables LLC	Generation Owner
Kimmel, David	PJM Interconnection, LLC	Not Applicable
Kogut, George	New York Power Authority	Other Supplier
Konowal, Richard	PJM Interconnection, LLC	Not Applicable

Kothakapu, Rakesh	Fellon McCord	Not Applicable
Kozhuharov, Dimitar	Delaware Municipal Electric Corporation, Inc.	Electric Distributor
Langbein, Pete	PJM Interconnection, LLC	Not Applicable
Lejcar, Jamie	Allegheny Electric Cooperative, Inc.	Electric Distributor
Levitt, Andrew	PJM Interconnection, LLC	Not Applicable
Li, Kanning	PJM Interconnection, LLC	Not Applicable
Liang-Nicol, Cecilia	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Libbos, Robin	FirstEnergy Solutions Corp.	Transmission Owner
Lieberman, Steven	American Municipal Power, Inc.	Electric Distributor
Lu, Chenchao	PJM Interconnection, LLC	Not Applicable
Mabry, David	McNees Wallace & Nurick LLC	Not Applicable
Marcino, Angelo	PJM Interconnection, LLC	Not Applicable
Martin, Valerie	The Federal Energy Regulatory Commission	Not Applicable
Matuszak, Alex	UGI Energy Services, LLC	Other Supplier
McDaniel, John	Baltimore Gas and Electric Company	Transmission Owner
McGlynn, Paul	PJM Interconnection, LLC	Not Applicable
McLaverty, Megan	PJM Interconnection, LLC	Not Applicable
Midgley, Sharon	Exelon Business Services Company, LLC	Transmission Owner
Militello, Nicole	PJM Interconnection, LLC	Not Applicable
Miller, John	Commonwealth Edison Company	Transmission Owner
Murphy, Shaun	PJM Interconnection, LLC	Not Applicable
Nix, Emma	Gable and Associates	Not Applicable
Nole, Anthony	NuEnergen, LLC	Other Supplier
Olaleye, Michael	PJM Interconnection, LLC	Not Applicable
Ondayko, Brock	Appalachain Power Company	Transmission Owner
Pakela, Greg	DTE Energy Trading, Inc.	Other Supplier
Patel, Keyur	PJM Interconnection, LLC	Not Applicable
Pelletier, Eveline	Hydro-Quebec	Not Applicable
Peoples, John	Duquesne Light Company	Transmission Owner
Perera, Asanga	PJM Interconnection, LLC	Not Applicable
Philips, Marji	Direct Energy Business, LLC	Other Supplier
Phillips, Darlene	PJM Interconnection, LLC	Not Applicable
Pilong, Melissa	PJM Interconnection, LLC	Not Applicable
Pizzutelli, Ashley	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Poulos, Greg	CAPS	Not Applicable
Pratt, Nicholas	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Price, Ruth	Division of the Public Advocate of the State of Delaware	End-Use Customer
Procnian, Jason	Dayton Power & Light Company (The)	Transmission Owner
Purdie, Michael	Dominion Virginia Power	Not Applicable
Rainey, John	Northern Virginia Electric Cooperative	Electric Distributor
Robinson, Becky	Vista Energy Marketing, L.P.	Other Supplier
Rodriguez, Tomas	OPSI	Not Applicable
Rohrbach, John	Southern Maryland Electric Cooperative	Electric Distributor
Sasser, Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Scarpignato, David	Calpine Energy Services, L.P.	Generation Owner
Scheirer, Alexandra	PJM Interconnection, LLC	Not Applicable
Schisler, Ken	Enel X North America, Inc.	Other Supplier
Schmatz, Peter	PSEG Energy Resources and Trade LLC	Other Supplier
Schuyler, Ken	PJM Interconnection, LLC	Not Applicable
Seirig, Bahaa	Con Edison Co. of NY	Not Applicable

Shah, Vijay	PJM Interconnection, LLC	Not Applicable
Shanker, Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Smith, Kara	Buckeye Power, Inc.	Electric Distributor
Sorrels, James	AEP	Transmission Owner
Sotkiewicz, Paul	E-Cubed Policy Associates	Not Applicable
Souder, Michelle	PJM Interconnection, LLC	Not Applicable
Squibb, Bill	Ohio Valley Electric Corp	Transmission Owner
Starkov, Stefan	PJM Interconnection, LLC	Not Applicable
Stone, Andy	PJM Interconnection, LLC	Not Applicable
Stupar, Rob	Invenergy Energy Management LLC	Generation 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	Not Applicable
Tacka, Natalie	PJM Interconnection, LLC	Not Applicable
Thomas, Jack	PJM Interconnection, LLC	Not Applicable
Tibbetts, Maeve	Pierce Atwood	Not Applicable
Tribulski, Jennifer	PJM Interconnection, LLC	Not Applicable
Tyler, Catherine	Monitoring Analytics, LLC	Not Applicable
VanderLaan, D. William	Illinois Commerce Commission	Not Applicable
Wadsworth, Joseph	Vitol Inc.	Other Supplier
Walter, Laura	PJM Interconnection, LLC	Not Applicable
Ward, Michael	PJM Interconnection, LLC	Not Applicable
Warshel, Kim	PJM Interconnection, LLC	Not Applicable
Whitehead, Jeffrey	GT Power Group	Not Applicable
Widom, Stuart	PJM Interconnection, LLC	Not Applicable
Wilson, James	Wilson Energy Economics	Not Applicable
Wisersky, Megan	Madison Gas & Electric Company	Other Supplier
Yeaton, Andrea	PJM Interconnection, LLC	Not Applicable
Yoder, Michael	RTO Insider	Not Applicable
Zemanek, Kevin	Buckeye Power, Inc.	Electric Distributor
Zhao, Tong	PJM Interconnection, LLC	Not Applicable