

Market Implementation Committee
WebEx Only
July 8, 2020
9:00 a.m. – 4:00 p.m. EPT

Administration

Bhavana Keshavamurthy reviewed the Antitrust, Code of Conduct, Public Meetings/Media Participation and the WebEx Participant Identification Requirements.

The Committee approved the draft minutes from the June 3, 2020 Market Implementation Committee meeting by acclamation with **0 objections and 0 abstentions**.

1. Bhavana Keshavamurthy reviewed the MIC Work Plan.
2. Dave Anders announced the distribution of a poll regarding the ARR FTR Market Task Force. The poll results will be reviewed at the August MIC meeting.
3. Ms. Morelli announced that this meeting is Bhavana Keshavamurthy's last meeting as MIC secretary and thanked her for contributions to the committee over the past two years. Nick DiSciullo will assume the role of MIC secretary starting in August.

Endorsements/Approvals

2. Subcommittee Consolidation

Scott Baker proposed the sunset of the Intermittent Resources Subcommittee (IRS) and reviewed the charter for the Distributed and Inverter-based Resources Subcommittee (DIRS).

The committee approved the sunset of the IRS by acclamation with 0 objections and 0 abstentions.

The committee approved the DIRS charter by acclamation with 0 objections and 0 abstentions.

3. PRD Credits Disposition

Sharon Midgley, Exelon, provided an overview of the Problem Statement and Issue Charge addressing the Price Responsive Demand (PRD) Credits Disposition.

The committee approved the issue charge by acclamation with 0 objections and 0 abstentions.

4. Transparency in Performance Assessment Interval Settlements

Susan Kenney reviewed the problem statement and issue charge addressing additional transparency in settlement calculations for non-performance charge.

Some stakeholders expressed concern with the redline language that was included in the version of the issue charge. In particular, they noted that the language referencing the ability to rerun the October 2nd Performance Assessment Interval settlements as needed was unnecessary as PJM

has this ability absent any language in an issue charge. PJM agreed to strike the redline language prior to voting. PJM acknowledged that the removal of that language does not prevent PJM from being able to rerun the settlements if their regulatory oversight process identifies that any of the Oct. 2 calculations were not done in compliance with the Tariff following the stakeholder discussions on this issue charge.

The committee decided to send the education on this topic to MIC Special Sessions. Conversation on this topic will resume at the regularly scheduled MIC meetings after the conclusion of education.

The committee approved the issue charge with the redline language removed by acclamation with 1 objection and 0 abstentions.

5. **Manual 14D and Manual 27 revisions**

Ray Fernandez reviewed updates to Manual 14D: Generator Operational Requirements and Manual 27: Open Access Transmission Tariff Accounting related to changes to deadlines for adjustments associated with finalizing the zonal network service peak load values. Stakeholders raised concerns regarding the date change in Manual 14D and the impacts to units coming into service in November. Stakeholders requested an additional month to work with PJM offline to address these concerns.

The committee deferred the endorsement vote for the Manual 27 revisions to the August MIC meeting.

Working Item

6. **Stability Limits in Markets and Operations**

- A. Ray Fernandez provided education on the rules for compensating units for lost opportunity costs.
- B. Catherine Tyler, Monitoring Analytics, provided the IMM's perspective on the issues with the status quo for stability limited units and the proposed capacity constraint package. Stakeholders requested that PJM look into performing an analysis to determine lost opportunity/uplift costs that would have been paid to stability limited units.
- C. Lisa Morelli led a discussion on the matrix.

Additional Items

7. **Capacity Capability Senior Task Force Update**

Andrew Levitt discussed work being done at the Capacity Capability Senior Task Force under the Market and Reliability Committee regarding Effective Load Carrying Capability (ELCC).

8. **MOPR Subsidy Guidance**

Alexandra Salaneck, Monitoring Analytics and Paul Scheidecker provided an overview of the MOPR subsidy process to provide guidance to participants as to which programs constitute a state subsidy. Stakeholders requested an update on the guidance process to address the plan for identifying whether individual state default service auctions meet the definition of a state subsidy or not.

9. **Forward Looking Energy & Ancillary Services Offset Methodology**

Gary Helm provided an update on the development of the forward-looking E&AS Offset methodology.
Additional MIC Special Sessions have been scheduled for July 21 and July 30 to continue discussion on PJM's proposal on the forward-looking E&AS Offset in advance of the August 5 compliance filing.

Informational Section

Interregional Coordination Update

Materials were posted as informational only.

Future Meeting Dates

August 5, 2020	9:00 a.m.	WebEx
September 2, 2020	9:00 a.m.	WebEx
October 7, 2020	9:00 a.m.	WebEx
November 5, 2020	9:00 a.m.	WebEx
December 2, 2020	9:00 a.m.	WebEx

Author: Nicholas DiSciullo

WebEx Meeting Attendees

Names	Company Name	Sector
Morelli, Lisa (Chair)	PJM Interconnection, LLC	Not Applicable
Keshavamurthy, Bhavana (Secretary)	PJM Interconnection, LLC	Not Applicable
Abdur-Rahman, Muhsin	ABB	Not Applicable
Abramowitz, Jeremy	Monitoring Analytics, LLC	Not Applicable
Aguilar, Fabiano Silveira	Strom Power, LLC	Other Supplier
Anders, David	PJM Interconnection, LLC	Not Applicable
Baizman, Aaron	PJM Interconnection, LLC	Not Applicable
Baker, Scott	PJM Interconnection, LLC	Not Applicable
Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
Beban, Madalyn	PJM Interconnection, LLC	Not Applicable
Berg, William	Exelon Generation Co., LLC	Generation Owner
Bernstein, Matthew	PJM Interconnection, LLC	Not Applicable
Bialek, Sylwia	NYU	Not Applicable
Bleiweis, Bruce	DC Energy LLC	Other Supplier
Bloom, David	Baltimore Gas and Electric Company	Transmission Owner
Bockhorn, Tim	Dayton Power & Light Company (The)	Transmission Owner
Bowring, Joe	Monitoring Analytics, LLC	Not Applicable
Boyle, Glen	PJM Interconnection, LLC	Not Applicable
Brodbeck, John	EDP Renewables North America, LLC	Other Supplier
Bruno, Patrick	PJM Interconnection, LLC	Not Applicable
Campbell, Bruce	EnergyConnect, Inc.	Other Supplier
Canter, David	Appalachian Power Company	Transmission Owner
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

Chen, Yang	PJM Interconnection, LLC	Not Applicable
Chmielewski, Brian	PJM Interconnection, LLC	Not Applicable
Ciabattoni, Joseph	PJM Interconnection, LLC	Not Applicable
Colbert, Cathleen	NRG Power Marketing LLC	Other Supplier
Coyne, Suzanne	PJM Interconnection, LLC	Not Applicable
Crystle, Gil	UGI Development Company	Transmission Owner
D'Alessandris, Lou	FirstEnergy Solutions Corp.	Transmission Owner
D'antonio, Phil	PJM Interconnection, LLC	Not Applicable
Davis, Elizabeth (Becky)	PJM Interconnection, LLC	Not Applicable
Davis, James (Jim)	Dominion Energy Marketing, Inc.	Generation Owner
DeLosa, Joseph	DE Public Service Commission	Not Applicable
Dennis, Jeffery	Advanced Energy Economy	Not Applicable
DeVita, Thomas	PJM Interconnection, LLC	Not Applicable
Di Iorio, Michelle	PSEG Energy Resources and Trade LLC	Transmission Owner
DiSciullo, Nicholas	PJM Interconnection, LLC	Not Applicable
Drom, Richard	Eckert Seamans	Not Applicable
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Dumitriu, Nicolae	PJM Interconnection, LLC	Not Applicable
Ericson, Christine	Illinois Commerce Commission	Not Applicable
Fabiano, Janell	PJM Interconnection, LLC	Not Applicable
Fan, Zhenyu	PJM Interconnection, LLC	Not Applicable
Fee, George	Appalachian Power Company	Transmission Owner
Ferguson, Mike	Indeck Energy Services, Inc.	Other Supplier
Fernandez, Raymond	PJM Interconnection, LLC	Not Applicable
Fidler, Danielle	Earthjustice	Not Applicable
Filomena, Guy	Customized Energy Solutions, Ltd.	Not Applicable
Fishback, Luke	Affirmed Energy LLC	Other Supplier
Fitch, Neal	NRG Power Marketing LLC	Generation Owner
Fitzpatrick, Brian	PJM Interconnection, LLC	Not Applicable
Fleisher, Madeline	Dickinson Wright PLLC	Not Applicable
Foladare, Kenneth	Tangibl	Not Applicable
Ford, Adrien	Old Dominion Electric Cooperative	Electric Distributor
Fuess, Christian	PBF Power Marketing LLC	Generation Owner
Gahimer, Michael	IN Office of Utility Consumer Counselor	End User Customer
Gates, Terry	Appalachian Power Company	Transmission Owner
Genuario, Gabrielle	PJM Interconnection, LLC	Not Applicable
Gibbs, Ike	Citadel FNGE Ltd.	Other Supplier
Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Greening, Michele	PJM Interconnection, LLC	Not Applicable
Greiner, Gary	PSEG Energy Resources and Trade LLC	Other Supplier
Guntle, Vince	UGI Development Company	Generation Owner
Hasan, Prusha	Advanced Energy Economy	None
Hastings, David	Market Interconnection Consulting Services (MICS)	Not Applicable
Hauske, Thomas	PJM Interconnection, LLC	Not Applicable
Heidorn, Richard	RTO Insider	Not Applicable
Heinle, Frederick	Office of the People's Counsel	End User Customer
Helm, Gary	PJM Interconnection, LLC	Not Applicable
Herel, Suzanne	PJM Interconnection, LLC	Not Applicable
Hoang, Liem	PJM Interconnection, LLC	Not Applicable
Hoatson, Tom	Riverside Generating, LLC	Other Supplier

Hohenshilt, Jennifer
Holdbrook, Ruth
Holter, Natasha
Horger, Tim
Horning, Lynn Marie
Horton, Dana
Hsia, Eric
Hudis, Gabriella
Hull, Gerit
Hyzinski, Tom
Iler, Art
Janicki, Diane
Jansen, Joel
Jens, Thomas
Jett, William
Jha, Monica
Johnson, Carl
Kauffman, Brian
Keegan, John
Keenan, Matthew
Kelly, Stephen
Kenney, Susan
Kilgallen, Kevin
Kogut, George
Konowal, Richard
Kozhuharov, Dimitar
Kuo, David
Lejcar, Jamie
Levitt, Andrew
Liang-Nicol, Cecilia
Libbos, Robin
Lieberman, Steven
Lin, Michael
Lowe, Connie
Lu, Chenchao
Lynch, Jessica
Mancuso, Melanie
Martin, Beth
Matuszak, Alex
McElwaine, Kathy
McGill, Susan
McGlynn, Paul
McLavery, Megan
Mersing, Jennifer
Messina, Emmy
Midgley, Sharon
Mooney, Jeff
Mounkhal, Brian
Neubrandner, Kerry
Nix, Emma

Talen Energy Marketing, LLC
Northern Virginia Electric Cooperative
PJM Interconnection, LLC
PJM Interconnection, LLC
Customized Energy Solutions, Ltd.
Appalachian Power Company
PJM Interconnection, LLC
Jersey Green Energy LLC
Jennings, Strouss & Salmon, P.L.C.
GT Power Group
Indiana Office of Utility Consumer Counsel
Boston Energy Trading & Marketing, LLC
Integrus Energy Services, Inc.
Black Oak Energy, LLC
Duke Energy Business Services LLC
PCI
Customized Energy Solutions, Ltd.
EnerNOC, Inc.
Just Energy Solutions, Inc.
Jpower USA
Brookfield Energy Marketing LP
PJM Interconnection, LLC
Avangrid Renewables LLC
New York Power Authority
PJM Interconnection, LLC
Delaware Municipal Electric Corporation, Inc.
DC Energy LLC
Allegheny Electric Cooperative, Inc.
PJM Interconnection, LLC
Monongahela Power Company d/b/a Allegheny Power
FirstEnergy Solutions Corp.
American Municipal Power, Inc.
DC Energy LLC
Dominion Virginia Power
PJM Interconnection, LLC
Troutman Pepper Hamilton Sanders
FirstEnergy Solutions Corp.
Wisconsin Electric Power Company
UGI Energy Services, LLC
PJM Interconnection, LLC
PJM Interconnection, LLC
PJM Interconnection, LLC
PJM Interconnection, LLC
Stoel Rives LLP
PJM Interconnection, LLC
Exelon Business Services Company, LLC
Jersey Central Power and Light (Yards Creek)
PSEG Energy Resources & Trade LLC
DC Energy Mid-Atlantic, LLC
Gable and Associates

Generation Owner
Electric Distributor
Not Applicable
Not Applicable
Not Applicable
Transmission Owner
Not Applicable
Other Supplier
Not Applicable
Not Applicable
End User Customer
Generation Owner
Other Supplier
Other Supplier
Generation Owner
Not Applicable
Not Applicable
Other Supplier
Other Supplier
Not Applicable
Other Supplier
Not Applicable
Generation Owner
Other Supplier
Not Applicable
Electric Distributor
Other Supplier
Electric Distributor
Not Applicable
Transmission Owner
Transmission Owner
Electric Distributor
Other Supplier
Not Applicable
Not Applicable
Not Applicable
Transmission Owner
Generation Owner
Other Supplier
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Transmission Owner
Transmission Owner
Other Supplier
Other Supplier
Not Applicable

Olaleye, Michael	PJM Interconnection, LLC	Not Applicable
Ondayko, Brock	Appalachian Power Company	Transmission Owner
O'Neill, Jack	PJM Interconnection, LLC	Not Applicable
Pakela, Greg	DTE Energy Trading, Inc.	Other Supplier
Pelletier, Eveline	Hydro-Quebec	Not Applicable
Peoples, John	Duquesne Light Company	Transmission Owner
Phillips, Darlene	PJM Interconnection, LLC	Not Applicable
Piehler, John	Affirmed Energy LLC	Other Supplier
Pilong, Christopher	PJM Interconnection, LLC	Not Applicable
Pilong, Melissa	PJM Interconnection, LLC	Not Applicable
Pizzutelli, Ashley	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Pratt, Nick	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Price, Mark	DC Energy Mid-Atlantic, LLC	Other Supplier
Price, Ruth	Division of the Public Advocate of the State of Delaware	End User Customer
Procuriar, Jason	Dayton Power & Light Company (The)	Transmission Owner
Purdie, Michael	Dominion Virginia Power	Not Applicable
Rainey, John	Northern Virginia Electric Cooperative	Electric Distributor
Rajan, Abhijit	Dominion Resources	Not Applicable
Rayhorn, Carolyn	Dominion Virginia Power	Not Applicable
Reams, Will	Allegheny Electric Cooperative, Inc.	Electric Distributor
Redwine, Arlo	Federal Energy Regulatory Commission	Not Applicable
Robinson, Paul	Federal Energy Regulatory Commission	Not Applicable
Rodriguez, Tomas	Illinois gov office	Not Applicable
Rohrbach, John	Southern Maryland Electric Cooperative	Electric Distributor
Salaneck, Alexandra	Monitoring Analytics, LLC	Not Applicable
Sasser, Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Scarpignato, David	Calpine Energy Services, L.P.	Generation Owner
Scheidecker, Paul	PJM Interconnection, LLC	Not Applicable
Schreim, Morris	Maryland Public Service Commission	Not Applicable
Schuyler, Ken	PJM Interconnection, LLC	Not Applicable
Shah, Vijay	PJM Interconnection, LLC	Not Applicable
Shanker, Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Sims, Ryan	Interstate Gas Supply, Inc.	Other Supplier
Singer, Chad	Trane Grid Services, LLC	Other Supplier
Sotkiewicz, Paul	E-Cubed Policy Associates	Not Applicable
Squibb, Bill	Ohio Valley Electric	Generation Owner
Stone, Andy	PJM Interconnection, LLC	Not Applicable
Sturgeon, John	Duke Energy Carolinas, LLC	Other Supplier
Swalwell, Brad	Tangent Energy Solutions, Inc.	Other Supplier
Sweeney, Rory	GT Power Group	Not Applicable
Tacka, Natalie	PJM Interconnection, LLC	Not Applicable
Tangirala, Subha	ABB	Not Applicable
Theodore, Sharon	Electric Power Supply Association	Not Applicable
Tibbetts, Maeve	Pierce Atwood	Not Applicable
Tribulski, Jennifer	PJM Interconnection, LLC	Not Applicable
Tyler, Catherine	Monitoring Analytics	Not Applicable
Walter, Laura	PJM Interconnection, LLC	Not Applicable
Ward, Michael	PJM Interconnection, LLC	Not Applicable
Warshel, Kim	PJM Interconnection, LLC	Not Applicable
Watson, Betty	SolarCity	Not Applicable



Draft Minutes

Weeks, Thomas
Weigel, Shannon
Whitehead, Jeffrey

Michigan Public Power Agency
Edison Energy
GT Power Group

Generation Owner
Not Applicable
Not Applicable