

## Market Implementation Committee (MIC)

WebEx Only

December 2 2020

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 November 5, 2020 Market Implementation Committee meeting with **0 objections and 0 abstentions**.

Nick DiSciullo mentioned that the periodic review of Manual 27 has been completed and no revisions are required.

### Endorsements/Approvals

#### 2. **Manual 6: FTR Bid Limits Changes**

Brian Chmielewski reviewed updates to Manual 6: Financial Transmission Rights. The changes address the enforcement of FTR Bid Limits at the corporate entity level.

**The committee endorsed the Manual 6 revisions by acclamation with 1 objection and 1 abstention.**

#### 3. **Manual 11 and Manual 18: Public Distribution Microgrids Changes**

Natalie Tacka reviewed updates to Manual 11: Energy & Ancillary Services Market Operations and Manual 18: PJM Capacity Market.

**The committee endorsed the Manual 11 and Manual 18 revisions by acclamation with 0 objections and 0 abstentions.**

#### 4. **Manual 28: UTC Uplift Changes**

Ray Fernandez reviewed updates to Manual 28: Operating Agreement Accounting conforming with the changes directed in FERC Order EL-14-37-000. The changes address the allocation of real-time uplift and day-ahead uplift to UTCs.

**The committee endorsed the Manual 28 revisions by acclamation with 0 objections and 0 abstentions.**

### Additional Items – Part 1

#### 5. **Minimum Offer Price Rule / Base Residual Auction Schedule**

a) Pete Langbein provided an update on the 2022/2023 Base Residual Auction process and timelines.

b) Asim Haque provided an overview of MOPR applicability to Default Service Auctions.

[Issue Tracking: Capacity Market Minimum Offer Price Rule \(MOPR\) Order](#)

## First Readings

### 6. **Manual 18: Minimum Offer Price Rule Changes**

Jeff Bastian provided a first read of updates to Manual 18: PJM Capacity Market. The changes conform with the FERC-ordered rule changes in the Minimum Offer Price Rule and Forward Energy & Ancillary Services Offset dockets (Docket Nos. EL16-49-003, EL18-178-003, ER18-1314-006 and EL19-58). The committee will be asked to endorse these changes at the January MIC meeting.

[Issue Tracking: Capacity Market Minimum Offer Price Rule \(MOPR\) Order](#)

### 7. **PRD Credits Disposition (10:30 – 10:45)**

David Bloom, BGE, provided a first read of the BGE proposal addressing the PRD Credits Disposition issue. The committee will be asked to endorse the proposal at the January MIC meeting.

[Issue Tracking: Price Responsive Demand \(PRD\) Credits Disposition](#)

## Working Items

### 8. **Behind the Meter Generation Business Rules on Status Changes**

Terri Esterly provided education on the existing Behind the Meter Generation rules on status changes. This issue will be sent to MIC Special Sessions (held separately or at the end of the monthly MIC meetings) to be worked in greater detail.

[Issue Tracking: Behind the Meter Generation Business Rules on Status Changes](#)

### 9. **Market Suspension**

Lisa Morelli facilitated a discussion on the Market Suspension matrix. The committee reviewed interests, design components, and solution options. Stakeholders requested additional clarity on the role of emergency resources during a market suspension. This issue will continue to be worked at the January MIC meeting.

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

## Additional Items – Part 2

### 10. **Stability Limits in Markets and Operations**

Joe Ciabattini reviewed proposed revisions to Manual 3: Transmission Operations, Manual 11: Energy & Ancillary Services Market Operations, Manual 28: Operating Agreement Accounting and the tariff and Operating Agreement. These were presented as conforming revisions representing the Generator Output Constraint and Opportunity Cost packages endorsed at the September MIC.

Lisa Morelli updated the committee with the plan to forward the endorsed packages along with the associated manual, tariff and Operating Agreement revisions to the December MRC meeting for a first read. Based on the results of the September MIC vote, the Generator Output Constraint package will move on as the main motion, with the Opportunity Cost package moving on as an alternate.

Paul Sotkiewicz, Elwood Energy, expressed opposition to this plan on the grounds that the introduction of Operating Agreement revisions following the September MIC vote fundamentally changes the procedural process stakeholders thought necessary for this item. He suggested that the introduction of Operating Agreement language therefore invalidates the September MIC vote since at that time of the vote it was stated there were no Operating Agreement revisions needed. Ms. Morelli declined to move the packages to a second vote at the MIC. She noted that the sole difference between the two packages as voted in September was whether or not lost opportunity cost credits would be paid to generators reduced for stability limitations and the newly presented language merely incorporated that difference into the Operating Agreement.

Paul Sotkiewicz made a motion to overturn the decision of the Chair and therefore invalidate the results of the September MIC vote on these packages. Becky Robinson, Vistra Energy, seconded the motion.

The committee did not endorse the motion to overturn the decision of the Chair (and therefore invalidate the previous vote on the proposals) with 77 (37%) in favor, 132 (63%) opposed, and 13 abstentions.

The main and alternate packages, along with supporting governing document and manual language, will be presented for a first read at the December MRC.

[Issue Tracking: Stability Limits in Markets and Operations](#)

## 11. Emergency Procedures

Chidi Ofoegbu provided an update on upcoming enhancements to the Emergency Procedures application, highlighting Performance Assessment Interval (PAI) and user profile updates.

## 12. Emerging Technologies Forum

Natasha Holter provided an update on the Emerging Technologies Forum.

### Informational Section

#### CP Unit Specific Parameter Update

Materials are posted as informational only.

#### Interregional Coordination Update

Materials are posted as informational only.

#### Credit Subcommittee (CS)

Meeting materials are posted to the [CS 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

January 12, 2021	9:00 a.m.	WebEx
February 10, 2021	9:00 a.m.	WebEx
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

Names	Company Name	Sector
Morelli, Lisa (Chair)	PJM Interconnection, LLC	Not Applicable
DiSciullo, Nicholas (Secretary)	PJM Interconnection, LLC	Not Applicable
Abdur-Rahman, Muhsin	ABB	Not Applicable
Adams, Chris	East Kentucky Power Cooperative, Inc.	Transmission Owner
Aguilar, Fabiano Silveira	Strom Power, LLC	Other Supplier
Ainspan, Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Andalora, Christina	PJM Interconnection, LLC	Not Applicable
Anders, David	PJM Interconnection, LLC	Not Applicable
Anderson, Jared	S&P Global	Not Applicable
Arnold, Jonathan	DB Energy Trading LLC	Other Supplier
Baizman, Aaron	PJM Interconnection, LLC	Not Applicable
Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
Bastian, Jeff	PJM Interconnection, LLC	Not Applicable
Benckek, Jim	American Transmission Systems, Inc.	Transmission Owner
Bernstein, Matthew	PJM Interconnection, LLC	Not Applicable
Binder, Gerry	SESCO Enterprises LLC	Other Supplier
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, Joseph	Monitoring Analytics, LLC	Not Applicable
Boyle, Glen	PJM Interconnection, LLC	Not Applicable
Branch, John	SunCoke Energy, Inc.	Generation Owner
Breidenbaugh, Aaron	Rodan Energy Solutions (USA) Inc.	Other Supplier
Brodbeck, John	EDP Renewables North America, LLC	Generation Owner

Bryson, Mike	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
Catanach, James	Metropolitan Edison Company	Electric Distributor
Chang, Sean	Shell Energy North America (US), LP	Other Supplier
Chintapalli, Raj	BP Energy Company	Other Supplier
Chmielewski, Brian	PJM Interconnection, LLC	Not Applicable
Ciabattoni, Joseph	PJM Interconnection, LLC	Not Applicable
Circelli, Roseanne	Public Service Electric & Gas Company	Transmission Owner
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
Davis, Mike	Northern Virginia Electric Cooperative (South Boston)	Electric Distributor
Denby, Brett	Novac	Not Applicable
Depillo, Raymond	PSEG Energy Resources and Trade LLC	Other Supplier
DeVita, Thomas	PJM Interconnection, LLC	Not Applicable
Dillon, Matthew	UGI Development Company	Generation Owner
Ding, Congmei	PJM Interconnection, LLC	Not Applicable
Domian, Christin	Duquesne Light Company	Transmission Owner
Dorko, Keri	Monitoring Analytics, LLC	Not Applicable
Douglass, Robert	Exelon Generation Co., LLC	Generation Owner
Downs, Jere	PJM Interconnection, LLC	Not Applicable
Duensing, Allison	Saracen Energy East LP	Other Supplier
Egan, Amanda	PJM Interconnection, LLC	Not Applicable
Elkins, Rachel	First Energy Company	Transmission Owner
Esterly, Theresa	PJM Interconnection, LLC	Not Applicable
Everngam, Scott	The Federal Energy Regulatory Commission	Not Applicable
Fabiano, Janell	PJM Interconnection, LLC	Not Applicable
Fan, Zhenyu	PJM Interconnection, LLC	Not Applicable
Farnsworth Jr., Byron	Wellsboro Electric Company	Electric Distributor
Fazio, Danielle	Noble Americas Gas & Power Corp.	Not Applicable
Feierabend, Rick	Dominion Virginia Power	Not Applicable
Fernandez, Raymond	PJM Interconnection, LLC	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
Foladare, Kenneth	Tangibl	Not Applicable
Ford, Adrien	Old Dominion Electric Cooperative	Electric Distributor
Foster, Denise	East Kentucky Power Cooperative, Inc.	Transmission Owner
Frogg, Darrell	PJM Interconnection, LLC	Not Applicable
Fuess, Christian	PBF Power Marketing LLC	Generation Owner
Gagen, Rod	Dominion Virginia Power	Not Applicable
Gahimer, Michael	IN Office of Utility Consumer Counselor	End-Use Customer

Gates, Terry	Appalachian Power Company	Transmission Owner
Gebolys, Debbie	Public Utilities Commission of Ohio (The)	Not Applicable
Gibbons, Jaret	ARIPPA	Not Applicable
Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Gorman, Kevin	Highlands Energy Group LLC (The)	Other Supplier
Grant, Melanie	Allegheny Power	Not Applicable
Greening, Michele	PJM Interconnection, LLC	Not Applicable
Greiner, Gary	PSEG Energy Resources and Trade LLC	Other Supplier
Guntle, Vince	American PowerNet Management	End-Use Customer
Hanser, Erik	Michigan Public Service Commission	Not Applicable
Haque, Asim	PJM Interconnection	Not Applicable
Hastings, David	Market Interconnection Consulting Services (MICS)	Not Applicable
Hauske, Thomas	PJM Interconnection, LLC	Not Applicable
Heinle, Frederick	Office of the People's Counsel	End-Use Customer
Heisey, Bradley	Wolf Hills Energy, LLC	Generation Owner
Herel, Suzanne	PJM Interconnection, LLC	Not Applicable
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
Horton, Dana	Appalachian Power Company	Transmission Owner
Hsia, Eric	PJM Interconnection, LLC	Not Applicable
Hull, Gerit	Jennings, Strouss & Salmon, P.L.C.	Not Applicable
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
Jett, William	Duke Energy Business Services LLC	Transmission Owner
Jha, Monica	PCI	Not Applicable
Johnson, Carl	Customized Energy Solutions, Ltd.	Not Applicable
Johnston, David	Indiana Utility Regulatory Commission	Not Applicable
Kauffman, Brian	Enel X North America, Inc.	Other Supplier
Keegan, John	Just Energy Solutions, Inc.	Other Supplier
Keenan, Matthew	Jpower USA	Not Applicable
Kelly, Stephen	Brookfield Renewable Trading and Marketing LP	Other Supplier
Kenney, Susan	PJM Interconnection, LLC	Not Applicable
Keshavamurthy, Bhavana	PJM Interconnection, LLC	Not Applicable
Kogut, George	New York Power Authority	Other Supplier
Konowal, Richard	PJM Interconnection, LLC	Not Applicable
Kozhuharov, Dimitar	Delaware Municipal Electric Corporation, Inc.	Electric Distributor
Kuo, David	DC Energy LLC	Other Supplier
Langbein, Pete	PJM Interconnection, LLC	Not Applicable
LaRocque, Matthew	PJM Interconnection, LLC	Not Applicable
Lejcar, Jamie	Allegheny Electric Cooperative, Inc.	Electric Distributor
Liang-Nicol, Cecilia	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Libbos, Robin	FirstEnergy Solutions Corp.	Transmission Owner
Lu, Chenchao	PJM Interconnection, LLC	Not Applicable
Mabry, David	McNees Wallace & Nurick LLC	Not Applicable
Mancuso, Melanie	FirstEnergy Solutions Corp.	Transmission Owner

Mariam, Yohannes	Office of the Peoples Counsel for the District of Columbia	End-Use Customer
Marzewski, Sklyer	Monitoring Analytics, LLC	Not Applicable
Matuszak, Alex	UGI Energy Services, LLC	Other Supplier
McAnany, James	PJM Interconnection, LLC	Not Applicable
McGlynn, Paul	PJM Interconnection, LLC	Not Applicable
McLavery, Megan	PJM Interconnection, LLC	Not Applicable
Messina, Emmy	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
Nice, Ryan	PJM Interconnection, LLC	Not Applicable
Nichols, Ross	Adapt 2 Solutions	Not Applicable
Nix, Emma	Gable and Associates	Not Applicable
Nowell, Cynthia	Delmarva Power & Light Company	Electric Distributor
Ofoegbu, Chidiogo	PJM Interconnection, LLC	Not Applicable
Olaleye, Michael	PJM Interconnection, LLC	Not Applicable
Ondayko, Brock	Appalachain Power Company	Transmission Owner
Pakela, Greg	DTE Energy Trading, Inc.	Other Supplier
Parker, Amanda	Pennsylvania Electric Company	Transmission Owner
Pelletier, Eveline	Hydro-Quebec	Not Applicable
Phillips, Darlene	PJM Interconnection, LLC	Not Applicable
Pierce, Evan	Amazon Energy LLC	Other Supplier
Pilong, Christopher	PJM Interconnection, LLC	Not Applicable
Pizzutelli, Ashley	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Poulos, Greg	CAPS	Not Applicable
Powers, Sean	Linde Energy Services, Inc.	End-Use Customer
Price, Mark	DC Energy Mid-Atlantic, LLC	Other Supplier
Price, Ruth	Division of the Public Advocate of the State of Delaware	End-Use Customer
Purdie, Michael	Dominion Virginia Power	Not Applicable
Rainey, John	Northern Virginia Electric Cooperative	Electric Distributor
Reeping, Bob	Ohio Edison Company	Transmission Owner
Rismiller, Randy	Illinois Commerce Commission	Not Applicable
Robinson, Becky	Vista Energy Marketing, L.P.	Other Supplier
Robinson, Paul	The Federal Energy Regulatory Commission	Not Applicable
Rodriguez, Tomas	OPSI	Not Applicable
Rohrbach, John	Southern Maryland Electric Cooperative	Electric Distributor
Rooney, Alexa	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Rumsey, Amanda	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
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
Schmitt, Jeffrey	PJM Interconnection, LLC	Not Applicable
Schreim, Morris	Maryland Public Service Commission	Not Applicable
Schuyler, Ken	PJM Interconnection, LLC	Not Applicable
Sennett, Rhonda	North Carolina Electric Membership Corporation	Electric Distributor
Shah, Vijay	PJM Interconnection, LLC	Not Applicable
Shanker, Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Sillin, John	The Federal Energy Regulatory Commission	Not Applicable
Skumanich, William (Bill)	RTR Energy Solutions	Not Applicable

Sotkiewicz, Paul  
Souder, Michelle  
Squibb, Bill  
Starkov, Stefan  
Stern, Alexander (Alex)  
Stone, Andy  
Stupar, Rob  
Sturgeon, John  
Suh, Jung  
Svenson, Heather  
Swalwell, Brad  
Sweeney, Rory  
Tacka, Natalie  
Tangirala, Subha  
Theodore, Sharon  
Thomas, Jack  
Tibbetts, Maeve  
Tribulski, Jennifer  
Tyler, Catherine  
Ward, Michael  
Warshel, Kim  
Whitehead, Jeffrey  
Widom, Stuart  
Wisersky, Megan  
Yeaton, Andrea  
Yoder, Michael  
Zhao, Tong

E-Cubed Policy Associates  
PJM Interconnection, LLC  
Ohio Valley Electric Corp  
PJM Interconnection, LLC  
Public Service Electric & Gas Company  
PJM Interconnection, LLC  
Invenergy Energy Management LLC  
Duke Energy Carolinas, LLC  
Calpine Energy Services, L.P.  
Public Service Electric & Gas Company  
Tangent Energy Solutions, Inc.  
GT Power Group  
PJM Interconnection, LLC  
ABB  
Electric Power Supply Association  
PJM Interconnection, LLC  
Pierce Atwood  
PJM Interconnection, LLC  
Monitoring Analytics  
PJM Interconnection, LLC  
PJM Interconnection, LLC  
GT Power Group  
PJM Interconnection, LLC  
Madison Gas & Electric Company  
PJM Interconnection, LLC  
RTO Insider  
PJM Interconnection, LLC

Not Applicable  
Not Applicable  
Transmission Owner  
Not Applicable  
Transmission Owner  
Not Applicable  
Generation Owner  
Other Supplier  
Generation Owner  
Transmission Owner  
Other Supplier  
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