

## Market Implementation Committee (MIC)

WebEx Only

January 12, 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 December 2, 2020 Market Implementation Committee meeting with **0 objections and 0 abstentions**.

Nick DiSciullo reviewed the 2021 MIC Work Plan.

### Endorsements/Approvals

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

Jeff Bastian reviewed updates to Manual 18: PJM Capacity Market. These 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 endorsed the Manual 18 revisions by acclamation with 0 objections and 1 abstention.**

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

#### 3. **PRD Credits Disposition**

Pete Langbein reviewed the BGE proposal addressing the PRD Credits Disposition issue.

**The committee endorsed the BGE proposal by acclamation with 0 objections and 2 abstentions.**

**A non-binding poll showed stakeholders preferred the BGE proposal with 118 (91%) in favor over status quo 11 (9%).**

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

### First Readings

#### 4. **Capital Recovery Factor for Avoidable Project Investment Cost Determinations**

Jeff Bastian provided a first read of the Problem Statement and Issue Charge addressing Capital Recovery Factor for Avoidable Project Investment Cost Determinations. Some stakeholders requested additional transparency on the details behind the CRF calculation and encouraged PJM to consider turning CRF into a formula rate. Additional discussion will occur on this issue at the February MIC meeting.

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

Aaron Baizman reviewed the Long Term Timeline and provided a first read of the solution package from the Long-Term Five Minute Dispatch & Pricing Matrix that was worked in MIC Special Session meetings.

**The committee will be asked to endorse the proposal at the February MIC meeting.**

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

## 11. RPM Capacity Transfer Rights

Kevin Zemanek, Buckeye Power, provided a first read of the Problem Statement and Issue Charge addressing RPM Capacity Transfer Rights.

**The committee will be asked to approve the Issue Charge at the February MIC meeting.**

### Working Items

#### 6. Market Suspension

Stefan Starkov provided education on the Market Suspension issue, highlighting potential causes of a market suspension and a possible approach for determining clearing prices during a Market Suspension event. Stakeholders were encouraged to provide additional solution options and feedback prior to the February MIC meeting.

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

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

Susan Kenney reviewed two of the areas that were identified as needing additional transparency in PAI Settlements, calculations for a resource with both RPM and FRR commitments and allocation of non-performance data to capacity resources due to modeling differences. Additional discussion will continue on this topic during the February MIC meeting.

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

### Additional Items

#### 8. PPL Dynamic Line Ratings

Shadab Ali, PPL, presented PPL's Dynamic Line Ratings Implementation Plan. Additional discussions covering the interactions between Dynamic Line Ratings and markets will occur on this issue at future MIC meetings.

#### 9. Minimum Offer Price Rule Floor Prices

Natalie Tacka provided an overview of the default MOPR floor prices for new entry resources, which were posted on December 18, 2020. Final Net E&AS Revenue Offset values are expected to be posted by January 13, 2021. Specific questions regarding forward-looking E&AS offset methodology can be sent to [FWDE&AS@pjm.com](mailto:FWDE&AS@pjm.com).

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

#### 10. Fast Start Pricing Order Overview

Thomas DeVita provided an overview of the FERC Order on PJM's Fast Start Pricing compliance filing in docket ER19-2722. Additional discussion will occur on this issue at the February MIC meeting.

## 12. ELCC Deficiency Letter Response

Andrew Levitt and Thomas DeVita discussed considerations related to the questions raised by the ELCC deficiency letter issued by FERC in docket ER21-278 and solicited stakeholder feedback on submitting an extension to the deficiency letter response deadline.

### 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

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
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
Everngam, 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  
 Levitt, Andrew  
 Li, Kanning  
 Liang-Nicol, Cecilia  
 Libbos, Robin  
 Lieberman, Steven  
 Lu, Chenchao  
 Mabry, David  
 Marcino, Angelo  
 Martin, Valerie  
 Matuszak, Alex  
 McDaniel, John  
 McGlynn, Paul  
 McLaverty, Megan  
 Midgley, Sharon  
 Militello, Nicole  
 Miller, John  
 Murphy, Shaun  
 Nix, Emma  
 Nole, Anthony  
 Olaleye, Michael  
 Ondayko, Brock  
 Pakela, Greg  
 Patel, Keyur  
 Pelletier, Eveline  
 Peoples, John  
 Perera, Asanga  
 Philips, Marji  
 Phillips, Darlene  
 Piong, Melissa  
 Pizzutelli, Ashley  
 Poulos, Greg  
 Pratt, Nicholas  
 Price, Ruth  
 Procnuiar, Jason  
 Purdie, Michael  
 Rainey, John  
 Robinson, Becky  
 Rodriguez, Tomas  
 Rohrbach, John  
 Sasser, Jonathan  
 Scarpignato, David  
 Scheirer, Alexandra  
 Schisler, Ken  
 Schmatz, Peter  
 Schuyler, Ken  
 Seirig, Bahaa  
 Shah, Vijay  
 Shanker, Roy  
 Smith, Kara

Allegheny Electric Cooperative, Inc.  
 PJM Interconnection, LLC  
 PJM Interconnection, LLC  
 Monongahela Power Company d/b/a Allegheny Power  
 FirstEnergy Solutions Corp.  
 American Municipal Power, Inc.  
 PJM Interconnection, LLC  
 McNees Wallace & Nurick LLC  
 PJM Interconnection, LLC  
 The Federal Energy Regulatory Commission  
 UGI Energy Services, LLC  
 Baltimore Gas and Electric Company  
 PJM Interconnection, LLC  
 PJM Interconnection, LLC  
 Exelon Business Services Company, LLC  
 PJM Interconnection, LLC  
 Commonwealth Edison Company  
 PJM Interconnection, LLC  
 Gable and Associates  
 NuEnergen, LLC  
 PJM Interconnection, LLC  
 Appalachain Power Company  
 DTE Energy Trading, Inc.  
 PJM Interconnection, LLC  
 Hydro-Quebec  
 Duquesne Light Company  
 PJM Interconnection, LLC  
 Direct Energy Business, LLC  
 PJM Interconnection, LLC  
 PJM Interconnection, LLC  
 Monongahela Power Company d/b/a Allegheny Power  
 CAPS  
 PPL Electric Utilities Corp. dba PPL Utilities  
 Division of the Public Advocate of the State of Delaware  
 Dayton Power & Light Company (The)  
 Dominion Virginia Power  
 Northern Virginia Electric Cooperative  
 Vista Energy Marketing, L.P.  
 OPSI  
 Southern Maryland Electric Cooperative  
 Customized Energy Solutions, Ltd.\*  
 Calpine Energy Services, L.P.  
 PJM Interconnection, LLC  
 Enel X North America, Inc.  
 PSEG Energy Resources and Trade LLC  
 PJM Interconnection, LLC  
 Con Edison Co. of NY  
 PJM Interconnection, LLC  
 H.Q. Energy Services (U.S.), Inc.  
 Buckeye Power, Inc.

Electric Distributor  
 Not Applicable  
 Not Applicable  
 Transmission Owner  
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 Electric Distributor  
 Not Applicable  
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 Other Supplier  
 Transmission Owner  
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 End-Use Customer  
 Transmission Owner  
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 Electric Distributor  
 Other Supplier  
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 Electric Distributor  
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 Generation Owner  
 Not Applicable  
 Other Supplier  
 Other Supplier  
 Not Applicable  
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 Not Applicable  
 Other Supplier  
 Electric Distributor

Sorrels, James  
Sotkiewicz, Paul  
Souder, Michelle  
Squibb, Bill  
Starkov, Stefan  
Stone, Andy  
Stupar, Rob  
Sturgeon, John  
Suh, Jung  
Svenson, Heather  
Swalwell, Brad  
Sweeney, Rory  
Tacka, Natalie  
Thomas, Jack  
Tibbetts, Maeve  
Tribulski, Jennifer  
Tyler, Catherine  
VanderLaan, D. William  
Wadsworth, Joseph  
Walter, Laura  
Ward, Michael  
Warshel, Kim  
Whitehead, Jeffrey  
Widom, Stuart  
Wilson, James  
Wisersky, Megan  
Yeaton, Andrea  
Yoder, Michael  
Zemanek, Kevin  
Zhao, Tong

AEP  
E-Cubed Policy Associates  
PJM Interconnection, LLC  
Ohio Valley Electric Corp  
PJM Interconnection, LLC  
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  
PJM Interconnection, LLC  
Pierce Atwood  
PJM Interconnection, LLC  
Monitoring Analytics, LLC  
Illinois Commerce Commission  
Vitol Inc.  
PJM Interconnection, LLC  
PJM Interconnection, LLC  
PJM Interconnection, LLC  
GT Power Group  
PJM Interconnection, LLC  
Wilson Energy Economics  
Madison Gas & Electric Company  
PJM Interconnection, LLC  
RTO Insider  
Buckeye Power, Inc.  
PJM Interconnection, LLC

Transmission Owner  
Not Applicable  
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Not Applicable  
Not Applicable  
Generation Owner  
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Other Supplier  
Transmission Owner  
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Not Applicable  
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Electric Distributor  
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