

**MIC Special Session - Capacity Market Minimum Offer Price Rule (MOPR) Order**  
**PJM Conference and Training Center**  
**February 19, 2020**  
**9:00 a.m. – 12:00 p.m. EPT**

## Administration

1. Ms. Bhavana Keshavamurthy, PJM, provided announcements; reviewed the Antitrust, Code of Conduct, Public Meetings/Media Participation and the WebEx Participant Identification Requirement.
2. Ms. Lisa Morelli, PJM, provided an overview of the upcoming stakeholder meetings that will dedicate time to discussion of the MOPR order.

## Education and Discussion

### 3. Auction Schedule

Mr. Adam Keech, PJM, sought feedback on concepts informing the development of upcoming Base Residual Auction (BRA) and Incremental Auction (IA) timelines. Stakeholders provided feedback on compressing the BRA timeline and eliminating the IA if the IA timeline falls very close to the BRA timeline.

### 4. MOPR Floor Prices

- A. Mr. Joe Bowring, Monitoring Analytics, presented an update on the preliminary IMM MOPR default values and impacts.
- B. Mr. Joe Bowring, Monitoring Analytics, provided an overview and sought feedback on the template for use in the unit-specific exception process.

### 5. MOPR Application Review

Mr. Pat Bruno, PJM, presented updates on PJM's interpretation and implementation of the MOPR order.

### 6. Draft Tariff Revisions

Mr. Chen Lu, PJM, reviewed a document that was posted to provide stakeholders with insight into the governing document language that is being drafted to implement the directives in the MOPR order.

## Future Meeting Dates

February 28, 2020

9:00 a.m.

PJM Conference & Training Center/ WebEx

Author: Bhavana Keshavamurthy

## In-Person Meeting Attendees

Names	Company Name	Sector
Morelli, Lisa (Chair)	PJM Interconnection, LLC	Not Applicable

Keshavamurthy, Bhavana (Secretary)	PJM Interconnection, LLC	Not Applicable
Anderson, Bob	Tenaska Power Services	Generation Owner
Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
Bastian, Jeff	PJM Interconnection, LLC	Not Applicable
Bhavaraju, Murty	PJM Interconnection, LLC	Not Applicable
Bowring, Joe	Monitoring Analytics, LLC	Not Applicable
Brodbeck, John	EDP Renewables North America, LLC	Other Supplier
Bruno, Patrick	PJM Interconnection, LLC	Not Applicable
Bryson, Mike	PJM Interconnection, LLC	Not Applicable
Campbell, Bruce	EnergyConnect, Inc.	Other Supplier
Carmean, Greg	OPSI	Not Applicable
Cochran, Matthew	Panda Creek Power Operating, LLC	Generation Owner
Colbert, Cathleen	NRG Power Marketing LLC	Generation Owner
Dennis, Jeff	Advanced Energy Economy	Not Applicable
Everngam, Scott	Blue Horse Shoe Energy	Not Applicable
Fitch, Neal	NRG Power Marketing LLC	Generation Owner
Foldare, Kenneth	Tangible	Not Applicable
Foley, Imelda	Environmental Defense Fund	Not Applicable
Ford, Adrien	Old Dominion Electric Cooperative	Electric Distributor
Fuess, Christian	PBF Power Marketing	Generation Owner
Gibbons, Jaret	ARIPPA	None
Helm, Gary	PJM Interconnection, LLC	Not Applicable
Horton, Dana	Appalachian Power Company	Transmission Owner
Johnson, Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Kilgallen, Kevin	Avangrid Renewables, LLC	Generation Owner
Kogut, George	New York Power Authority	Other Supplier
Kurywczak, Victor	PJM Interconnection, LLC	Not Applicable
Lieberman, Steve	American Municipal Power, Inc.	Electric Distributor
Lu, Chenchao	PJM Interconnection, LLC	Not Applicable
Mabry, David	McNees Wallace & Nurick LLC	Not Applicable
Nix, Emma	Gable Associates	Not Applicable
O'Connell, Robert	PPGI Fund A/B Development, LLC	Generation Owner
Robinson, Becky	Vistra Energy	Not Applicable
Rohrbach, John	ACES Power	Not Applicable
Rumsey, Amanda	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Scheidecker, Paul	PJM Interconnection, LLC	Not Applicable
Seide, Richard	Apex Clean Energy	Not Applicable
Sterling, John	First Solar, Inc	Not Applicable
Sweeney, Rory	GT Power Group	Not Applicable
Tribulski, Jennifer	PJM Interconnection, LLC	Not Applicable
Whitehead, Jeffrey	GT Power Group	Not Applicable
Wittenauer, Steve	PJM	Not Applicable

## Webex Meeting Attendees

<b>Names</b>	<b>Company Name</b>	<b>Sector</b>
Ament, Todd	Cube Hydro	Generation Owner
Anthony, Jason	Korean Energy Limited	Not Applicable
Armstrong, Brian	Leidos	Not Applicable
Bagot, Nancy	Electric Power Supply Association	Not Applicable

Benchek, Jim	American Transmission Systems, Inc.	Transmission Owner
Berg, William	Exelon Business Services Company, LLC	Transmission Owner
Borgatti, Michael	Gabel and Associates	Not Applicable
Boyle, Glen	PJM Interconnection, LLC	Not Applicable
Brouillette, Kyle	Indiana Municipal Power Agency	Generation Owner
Brunner, Markus	Mercuria Energy America	Other Supplier
Bruno, Joshua	PJM Interconnection, LLC	Not Applicable
Canter, David	Appalachian Power Company	Transmission Owner
Carretta, Kenneth	PSEG Energy Resources and Trade LLC	Transmission Owner
Carrier, Ron	Direct Energy Business, LLC	Other Supplier
Chakragiri, Mohan	ENGIE Energy Marketing NA, Inc.	Other Supplier
Chocarro, Iker	RWE Renewables Americas, LLC	Generation Owner
Christopher, Mahila	Ohio Public Utility Commission	Not Applicable
Cocco, Michael	Old Dominion Electric Cooperative	Electric Distributor
Collins, Ryan	Wright Law	Not Applicable
Croop, Danielle	PJM Interconnection, LLC	Not Applicable
Crystle, Gil	UGI Development Company	Transmission Owner
Currier ES, Jeff	Dominion Virginia Power	Not Applicable
Dasher, Brett	Energy Authority, Inc. (The)	Other Supplier
Dailey, Mike	Northern Virginia Electric Cooperative	Electric Distributor
DeLosa, Joe	NJ Board of Public Utilities	Not Applicable
Denby, Brett	Northern Virginia Electric Cooperative	Electric Distributor
Dillon, Matt	UGI Development Company	Generation Owner
DiNicola, Laura	FirstEnergy Solutions Corp.	Transmission Owner
Dixon, Chad	Customized Energy Solutions. Ltd	Not Applicable
Dolan, Jim	PJM Interconnection, LLC	Not Applicable
Dorko, Keri	Monitoring Analytics, LLC	Not Applicable
Douglass, Robert	Constellation Energy Services, Inc.	Other Supplier
Drom, Richard	Eckert Seamans	Not Applicable
Drummond, Victoria	Virginia Electric & Power Company	Transmission Owner
Ericson, Christine	Illinois Commerce Commission	Not Applicable
Esterly, Theresa	PJM Interconnection, LLC	Not Applicable
Fan, Zhenyu	PJM Interconnection, LLC	Not Applicable
Farabaugh, Fred	Colver Power	None
Fee, George	Appalachian Power Company	Transmission Owner
Feely, Brian	Eligo Energy	Other Supplier
Feierabend ES, Rick ES	Dominion Virginia Power	Not Applicable
Filomena, Guy	Customized Energy Solutions, Ltd.	Not Applicable
Fink, Sari	American Wind Energy Management Corporation	Not Applicable
Fishback, Luke	Affirmed Energy	Other Supplier
Fricker, Carl	PSEG Energy Resources and Trade LLC	Transmission Owner
Gallo, Mike	Solar Frontier	Not Applicable
Garnett, Bryan	Duke Energy	Transmission Owner
Genuario, Gabrielle	PJM Interconnection, LLC	Not Applicable
George, Brian	FERC	Not Applicable
Ghodsian, Arash	EDF Renewable Energy	Not Applicable
Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Glazer, Craig	PJM Interconnection, LLC	Not Applicable
Gregoire, Ann	Gilberton Coal	Not Applicable
Grumet, Stephanie	Capstone DC	Not Applicable
Gunn, Garan	PSEG Energy Resources and Trade LLC	Transmission Owner
Guntle, Vince	UGI Development Company	Generation Owner
Hammer, Neil	MidAmerican Energy Company	Not Applicable
Hamrick, Patrick	Sun Energy 1	Not Applicable
Han, Yizhen	PA Consulting	Not Applicable

Hasan, Prusha	Advanced Energy Economics	Not Applicable
Hastings, David	Market Interconnection LLC	Not Applicable
Heidorn, Richard	RTO Insider	Not Applicable
Hilaski, Steve	Potomac Electric Power Company	Electric Distributor
Hohenshilt, Jennifer	Talen Energy Marketing, LLC	Generation Owner
Holdbrook, Ruth	Northern Virginia Electric Cooperative	Electric Distributor
Holter, Natasha	PJM Interconnection, LLC	Not Applicable
Horning, Lynn Marie	Customized Energy Solutions, Ltd.*	Not Applicable
Huang, Jame	ConEdison Energy, Inc.	Other Supplier
Hull, Gerit	American Municipal Power, Inc.	Electric Distributor
Hurlley, Neal	Direct Energy Business, LLC	Other Supplier
Hyzinski, Tom	GT Power Group	Not Applicable
Iyer, Shrikant	Constellation Energy Services, Inc.	Other Supplier
Janicki, Diane	Boston Energy Trading & Marketing, LLC	Generation Owner
Jett, William	Duke Energy Business Services LLC	Generation Owner
Kazerooni, Hamid	Invenery, LLC	Generation Owner
Kelly, Stephen	Brookfield Energy Marketing LP	Other Supplier
Kennedy, James	Guggenheim Partners	Not Applicable
Khosla, Sachin	Exelon Business Services Company, LLC	Transmission Owner
Khirkpko, Ilya	Long Road Energy	Not Applicable
Kothakapu, Rakesh	IMEA	Electric Distributor
Kozhuharov, Dimitar	Delaware Municipal Electric Corporation, Inc.	Electric Distributor
Langbein, Pete	PJM Interconnection, LLC	Not Applicable
Lawson, David	Osaka Gas USA	Not Applicable
Laymon, Angelita	FirstEnergy Solutions Corp.	Transmission Owner
Lazerwitz, Brianna	Bloomberg	Not Applicable
Leasure, Jill	Keystone-Conemaugh Projects, LLC	Other Supplier
Lewis, Cara	PSEG Energy Resources and Trade LLC	Transmission Owner
Lewis, Chris	The Energy Authority	Other Supplier
Liang-Nicol, Cecilia	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Libbos, Robin	FirstEnergy Solutions Corp.	Transmission Owner
Little, John	North Carolina Utilities Commission	Not Applicable
Lowe, Connie	Dominion Virginia Power	Not Applicable
Lucas, Kevin	SEIA	
Markiewicz, Cindy	FirstEnergy Solutions Corp.	Transmission Owner
Martin, Aaron	CMS Energy Resource Management Company	Other Supplier
Matheson, Eric	Pennsylvania Public Utility Commission	Not Applicable
McAlister, Lisa	American Municipal Power, Inc.	Electric Distributor
McDaniel, John	Baltimore Gas and Electric Company	Transmission Owner
Mihaly, Imola	Nautilus Power, LLC	Generation Owner
Miller, John	Commonwealth Edison Company	Transmission Owner
Mok, Alan	Duke Energy Kentucky, Inc.	Transmission Owner
Norton, Chris	American Municipal Power, Inc.	Electric Distributor
Nowell, Cynthia	Potomac Electric Power Company	Electric Distributor
Oppel, Laurie	Grid Advisors	Not Applicable
	Louisville Gas and Electric Company/Kentucky Utilities Company	Transmission Owner
Owens, Julie	DTE Energy Trading, Inc.	Other Supplier
Pakela, Gregory	PJM Interconnection, LLC	Not Applicable
Patel, Keyurbhai	Hydro-Quebec	Not Applicable
Pelletier, Eveline	Duquesne Light Company	Transmission Owner
Peoples, John	PJM Interconnection, LLC	Not Applicable
Philips, Darlene	Direct Energy Business, LLC	Other Supplier
Philips, Marjorie	PJM Interconnection, LLC	Not Applicable
Picarelli, David	PJM Interconnection, LLC	Not Applicable
Pilong, Chris	PJM Interconnection, LLC	Not Applicable

Pilong, Melissa  
Powers, Sean  
Robichaud, Donna  
Rutigliano, Tom  
Salaneck, Alexandra  
Sasser, Jonathan  
Schultheis, Dan  
Schum, Alice  
Schuyler, Ken  
Shanker, Roy  
Sotkiewicz, Paul  
Squibb, Bill  
Sturgeon, John  
Tangirala, Subha  
Theodore, Sharon  
Toomey, Megan  
VanAmburg, Cari  
VanderLaan, Bill  
Wadsworth, Joseph  
Webster, John  
Wilmoth ES, Emily  
Yu, Haibin  
Zemanek, Kevin

PJM Interconnection, LLC  
Linde, LLC  
Geenex Solar  
NRDC  
Monitoring Analytics, LLC  
Customized Energy Solutions, Ltd.\*  
Constellation Energy Services, Inc.  
Illinois Municipal Electric Agency  
PJM Interconnection, LLC  
H.Q. Energy Services (U.S.), Inc.  
E-Cubed Policy Associates LLC  
Ohio Valley Electric Corporation  
Duke Energy Carolinas, LLC  
ABB  
Electric Power Supply Association  
Talen Energy Marketing, LLC  
Recurrent Energy  
Illinois Commerce Commission  
Vitol Inc.  
Icetek.com, Inc.  
Dominion Virginia Power  
Calpine Energy Services, L.P  
Buckeye Power, Inc.

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

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