

MIC Special Session - Capacity Market Minimum Offer Price Rule (MOPR) Order
PJM Conference and Training Center
February 28, 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.

Education and Discussion

2. Energy and Ancillary Services Offsets
 - A. Mr. Pat Bruno, PJM, reviewed the use of forward-looking vs. historical Energy and Ancillary Services revenues in the development of unit-specific net ACRs.
 - B. Mr. Joe Bowring, Monitoring Analytics, shared the IMM perspective on the development of Energy and Ancillary Services Offsets, focusing on the treatment of major maintenance.
3. Default MOPR Floor Prices
 - A. Mr. Gary Helm, PJM, presented preliminary PJM-developed default Cost of New Entry values for discussion.
 - B. Mr. Michael Hagerty, The Brattle Group, presented preliminary default Avoidable Cost Rate values. Mr. Sam Newell, The Brattle Group, presented the preliminary Energy Efficiency Net CONE values.
4. Unit-Specific Exception Process
 - A. Mr. Joe Bowring, Monitoring Analytics, provided an overview and sought feedback on templates for use in the unit-specific exception process for net ACRs.
 - B. Mr. Mike Borgatti, Gabel Associates, shared his perspective on the need for flexibility in assumed asset life and other parameters in the unit-specific exception process.

Future Meeting Dates

03/12/2020	1:30PM to 4PM	PJM Conference & Training Center/ WebEx
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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
Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
Bastian, Jeff	PJM Interconnection, LLC	Not Applicable
Bernstein, Matthew	PJM Interconnection, LLC	Not Applicable

Borgatti, Mike
 Bhavaraju, Murty
 Bowring, Joe
 Bruno, Patrick
 Carretta, Ken
 Chang, Sean
 DePilo, Ray
 Fitch, Neal
 Foldare, Kenneth
 Foley, Imelda
 Ford, Adrien
 Fuess, Christian
 Brian George
 Helm, Gary
 Holland, Cynthia
 Johnson, Carl
 Kauffman, Brian
 Keech, Adam
 Kerecman, Joe
 Kilgallen, Kevin
 Lieberman, Steve
 Lu, Chenchao
 Murty, Bhavaraju
 Nix, Emma
 O'Connell, Robert
 Phillips, Jennifer
 Robinson, Becky
 Rumsey, Amanda
 Scarpignato, David
 Scheidecker, Paul
 Schreim, Morris
 Sterling, John
 Sweeney, Rory
 Toomey, Megan
 Whitehead, Jeffrey
 Widom, Stuart

Hill Top Energy Center, LLC
 PJM Interconnection, LLC
 Monitoring Analytics, LLC
 PJM Interconnection, LLC
 PSEG Energy Resources and Trade LLC
 Shell Energy North America
 PSEG Energy Resources and Trade LLC
 NRG Power Marketing LLC
 Tangible
 Environmental Defense Fund
 Old Dominion Electric Cooperative
 PBF Power Marketing
 EPSA
 PJM Interconnection, LLC
 New Jersey Board of Public Utilities
 Customized Energy Solutions, Ltd.*
 Enel X North America
 PJM Interconnection
 Calpine Energy Services
 Avangrid Renewables, LLC
 American Municipal Power, Inc.
 PJM Interconnection, LLC
 PJM Interconnection, LLC
 Gable Associates
 PPGI Fund A/B Development, LLC
 C.P.Crane LLC
 Vistra Energy
 PPL Electric Utilities Corp. dba PPL Utilities
 Calpine Energy Services
 PJM Interconnection, LLC
 Maryland PSC
 First Solar, Inc
 GT Power Group
 Talen Energy Marketing
 GT Power Group
 PJM

Generation Owner
 Not Applicable
 Not Applicable
 Not Applicable
 Other Supplier
 Other Supplier
 Other Supplier
 Generation Owner
 Not Applicable
 Not Applicable
 Electric Distributor
 Generation Owner
 None
 Not Applicable
 None
 Not Applicable
 Other Supplier
 Not Applicable
 Generation Owner
 Generation Owner
 Electric Distributor
 Not Applicable
 Not Applicable
 Not Applicable
 Generation Owner
 Generation Owner
 Not Applicable
 Transmission Owner
 Generation Owner
 Not Applicable
 Not Applicable
 Not Applicable
 Not Applicable
 Not Applicable
 Generation Owner
 Not Applicable
 Not Applicable

Webex Meeting Attendees

Names	Company Name	Sector
Abdur-Rahman, Muhsin	ABB	Not Applicable
Ament, Todd	Cube Hydro	Generation Owner
Anderson, Bob	Tenaska Power Services	Generation Owner
Armstrong, Brian	Leidos	Not Applicable
Bagot, Nancy	Electric Power Supply Association	Not Applicable
Benckek, 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
Brunner, Markus	Mercuria Energy America	Other Supplier

Bruno, Joshua
 Campbell, Bruce
 Canter, David
 Carretta, Kenneth
 Carmean, Gregory
 Carrier, Ron
 Chakragiri, Mohan
 Chintapalli, Raj
 Christopher, Mahila
 Colbert, Cathleen
 Collins, Ryan
 Croop, Danielle
 Dailey, Mike
 DeLosa, Joe
 Denby, Brett
 Dillon, Matt
 DiNicola, Laura
 Dixon, Chad
 Dolan, Jim
 Dorko, Keri
 Douglass, Robert
 Ericson, Christine
 Fan, Zhenyu
 Fee, George
 Feierabend ES, Rick ES
 Filomena, Guy
 Fink, Sari
 Fishback, Luke
 Gallo, Mike
 Garnett, Bryan
 Gilani, Rehan
 Glazer, Craig
 Gregoire, Ann
 Grumet, Stephanie
 Gunn, Garan
 Guntle, Vince
 Han, Yizhen
 Hasan, Prusha
 Hastings, David
 Heidorn, Richard
 Hilaski, Steve
 Hohenshilt, Jennifer
 Horning, Lynn Marie
 Huang, Jame
 Hurlley, Neal
 Hyzinski, Tom
 Iyer, Shrikant
 Janicki, Diane
 Jett, William
 Kazerooni, Hamid
 Kelly, Stephen
 Kennedy, James
 Langbein, Pete
 Lawson, David
 Laymon, Angelita

PJM Interconnection, LLC
 Enerwise Global Technologies
 Appalachian Power Company
 PSEG Energy Resources and Trade LLC
 OPSI
 Direct Energy Business, LLC
 ENGIE Energy Marketing NA, Inc.
 BP Energy
 Ohio Public Utility Commission
 NRG Power Marketing LLC
 Wright Law
 PJM Interconnection, LLC
 Northern Virginia Electric Cooperative
 NJ Board of Public Utilities
 Northern Virginia Electric Cooperative
 UGI Development Company
 FirstEnergy Solutions Corp.
 Customized Energy Solutions. Ltd
 PJM Interconnection, LLC
 Monitoring Analytics, LLC
 Constellation Energy Services, Inc.
 Illinois Commerce Commission
 PJM Interconnection, LLC
 Appalachian Power Company
 Dominion Virginia Power
 Customized Energy Solutions, Ltd.
 American Wind Energy Management Corporation
 Affirmed Energy
 Solar Frontier
 Duke Energy
 ConEdison Energy, Inc.
 PJM Interconnection, LLC
 Gilberton Coal
 Capstone DC
 PSEG Energy Resources and Trade LLC
 UGI Development Company
 PA Consulting
 Advanced Energy Economics
 Market Interconnection LLC
 RTO Insider
 Potomac Electric Power Company
 Talen Energy Marketing, LLC
 Customized Energy Solutions, Ltd.*
 ConEdison Energy, Inc.
 Direct Energy Business, LLC
 GT Power Group
 Constellation Energy Services, Inc.
 Boston Energy Trading & Marketing, LLC
 Duke Energy Business Services LLC
 Invenergy, LLC
 Brookfield Energy Marketing LP
 Guggenheim Partners
 PJM Interconnection, LLC
 Osaka Gas USA
 FirstEnergy Solutions Corp.

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

Lazerwitz, Brianna
Liang-Nicol, Cecilia
Libbos, Robin
Lucas, Kevin
Markiewicz, Cindy
McDaniel, John
Miller, John
Newell, Sam
Norton, Chris
Oppel, Laurie
Pelletier, Eveline
Peoples, John
Philips, Marjorie
Powers, Sean
Robichaud, Donna
Rutigliano, Tom
Salanek, Alexandra
Sasser, Jonathan
Schuyler, Ken
Shanker, Roy
Sotkiewicz, Paul
Sturgeon, John
Tangirala, Subha
Theodore, Sharon
VanderLaan, Bill
Webster, John
Zemanek, Kevin

Bloomberg
Monongahela Power Company d/b/a Allegheny Power
FirstEnergy Solutions Corp.
SEIA
FirstEnergy Solutions Corp.
Baltimore Gas and Electric Company
Commonwealth Edison Company
Brattle Group
American Municipal Power, Inc.
Grid Advisors
Hydro-Quebec
Duquesne Light Company
Direct Energy Business, LLC
Linde, LLC
Geenex Solar
NRDC
Monitoring Analytics, LLC
Customized Energy Solutions, Ltd.*
PJM Interconnection, LLC
H.Q. Energy Services (U.S.), Inc.
E-Cubed Policy Associates LLC
Duke Energy Carolinas, LLC
ABB
Electric Power Supply Association
Illinois Commerce Commission
Icetec.com, Inc.
Buckeye Power, Inc.

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

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