

Market Implementation Committee
WebEx Only
May 13, 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.

Stakeholders were notified that a special session of the Markets and Reliability Committee (MRC) has been scheduled for the afternoon of May 22, 2020 to conduct education related to HVDC Converters. The education session is in response to stakeholder feedback received during the MRC's first read of a Problem Statement and Issue Charge seeking to consider the Integration of HVDC Converter as a New Type of Capacity Resource.

The Committee approved the draft minutes from the Apr.15, 2020 Market Implementation Committee meeting by acclamation with **0 objections and 0 abstentions**.

Endorsements/Approvals

2. **Manual 18 revisions related to Price Responsive Demand**

Terri Esterly reviewed conforming revisions to Manual 18: PJM Capacity Market related to Price Responsive Demand.

The committee endorsed the manual revisions by acclamation with 0 objections and 0 abstentions.

3. **PMA Credit Requirements for NITS Charges**

Bridgid Cummings reviewed the Problem Statement and Issue Charge addressing the Peak Market Activity (PMA) credit requirements pertaining to state law transfer of charges or credits.

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

First Readings

4. **Five Minute Dispatch and Pricing**

A. Tim Horgler and Vijay Shah provided a first read of the PJM proposal addressing the Five Minute Dispatch and Pricing Issue Charge.

B. Rebecca Carroll provided a timeline for the PJM Intermediate solution

C. Catherine Tyler, Monitoring Analytics reviewed the IMM proposal.

The committee will be asked to vote on the packages at the June MIC.

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

5. **Manual 6 revisions**

Emmy Messina reviewed updates to Manual 6: Financial Transmission Rights as part of the periodic review.

The committee will be asked to vote on the revisions at the June MIC meeting.

Working Items

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

A. Joe Ciabattone provided an update on PJM's position and provided additional education.

B. Catherine Tyler, Monitoring Analytics reviewed the capacity constraint joint package.

Stakeholder had several questions regarding the current rules and implementation of the capacity constraint joint package. The committee decided to continue discussion at a single MIC Special Session which will focus on additional education on this issue. Conversation on this topic will then resume at the regularly scheduled MIC meetings. Lisa Morelli requested that stakeholders provide additional solution options and packages in advance of the next meeting.

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

Additional Items

7. **XO Energy FTR Forfeiture Rule Complaint**

Thomas DeVita provided an update on PJM's response to the FTR Forfeiture rule complaint by XO Energy.

8. **Radford's Run FERC order update**

Susan McGill and Jeff Bastian provided an overview of FERC's order EL18-183 to grant ICTRs to Radford's Run retroactively to June 1, 2019.

9. **Fuel Cost Policy Annual Review**

Gabby Genuario provided an overview of the Fuel Cost Policy deadlines for the upcoming annual review.

10. **ARR FTR Market Task Force Update**

Dave Anders provided an update on Recommendation F3 of the Report of the Independent Consultants on the GreenHat Default as it relates to the ARR FTR Market Task Force. Dave requested that stakeholders provide feedback on the scope statement.

11. **FERC Transmission Orders Requiring Reallocations and Refunds**

Ray Fernandez discussed cost allocation issues associated with multiple orders from FERC that require resettlement.

12. **Minimum Offer Price Rule Update(MOPR)**

Jen Tribulski stepped in as the facilitator for this agenda item.

Chen Lu provided an overview of the FERC Order on requests for rehearing and clarification. Pat Bruno reviewed the impact of the order on MOPR floor prices. Lisa Morelli reviewed the impacts to classification of new and existing Capacity Resources and the timeline of the compliance filing.

Informational Section

Interface Pricing Points Update

This presentation provides an overview of updates being made to Interface Pricing Points. Materials are posted as informational only.

Interregional Coordination Update

Materials were posted as informational only.

Q12020 Net Energy Injections Quarterly Report

Materials were posted as informational only.

Future Meeting Dates

June 3, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
July 8, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
August 5, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
September 2, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx

Author: Bhavana Keshavamurthy

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	FERC	Not Applicable
Ament, Todd	Cube Hydro	Generation Owner
Anders, David	PJM Interconnection, LLC	Not Applicable
Anderson, Bob	Tenaska Power Services	Generation Owner
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
Bennett, Stephen	PJM Interconnection, LLC	Not Applicable
Bernstein, Matthew	PJM Interconnection, LLC	Not Applicable
Bhavaraju, Murty	PJM Interconnection, LLC	Not Applicable
Bleiweis, Bruce	DC Energy LLC	Other Supplier
Borgatti, Michael	Gabel and Associates	Not Applicable
Bowring, Joe	Monitoring Analytics, LLC	Not Applicable
Boyle, Glen	PJM Interconnection, LLC	Not Applicable
Bresler, Stu	PJM Interconnection, LLC	Not Applicable
Brodbeck, John	EDP Renewables North America, LLC	Other Supplier
Brouillette, Kyle	Indiana Municipal Power Agency	Generation Owner
Bruno, Joshua	PJM Interconnection, LLC	Not Applicable

Bruno, Patrick	PJM Interconnection, LLC	Not Applicable
Bryson, Mike	PJM Interconnection, LLC	Not Applicable
Burdis, Tim	PJM Interconnection, LLC	Not Applicable
Campbell, Bruce	EnergyConnect, Inc.	Other Supplier
Canter, David	Appalachian Power Company	Transmission Owner
Carmean, Greg	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
Chmielewski, Brian	PJM Interconnection, LLC	Not Applicable
Chocarro, Iker	RWE Renewables Americas, LLC	Generation Owner
Chu, George	PJM Interconnection, LLC	Not Applicable
Ciabattoni, Joe	PJM Interconnection, LLC	Not Applicable
Cocco, Michael	Old Dominion Electric Cooperative	Electric Distributor
Cockrell, Justin	VECO Power Trading	Other Supplier
Colbert, Cathleen	NRG Power Marketing LLC	Generation Owner
Collins, Ryan	Wright Law	Not Applicable
Cox, Jason	EDF Energy Services	Not Applicable
Coyne, Suzanne	PJM Interconnection, LLC	Not Applicable
Croop, Danielle	PJM Interconnection, LLC	Not Applicable
Cummings, Bridgid	PJM Interconnection, LLC	Not Applicable
D'Alessandris, Lou	FirstEnergy Solutions Corp.	Transmission Owner
D'Antonio, Phil	PJM Interconnection, LLC	Not Applicable
Dailey, Mike	Northern Virginia Electric Cooperative	Electric Distributor
Davis, Elizabeth	PJM Interconnection, LLC	Not Applicable
DeLosa, Joe	NJ Board of Public Utilities	Not Applicable
Denby, Brett	Northern Virginia Electric Cooperative	Electric Distributor
Dennis, Jeff	Advanced Energy Economy	Not Applicable
DeVita, Thomas	PJM Interconnection, LLC	Not Applicable
Diiorio, Michelle	PSEG Energy Resources and Trade LLC	Transmission Owner
Dillon, Matt	UGI Development Company	Generation Owner
DiNicola, Laura	FirstEnergy Solutions Corp.	Transmission Owner
Disciullo, Nick	PJM Interconnection, LLC	Not Applicable
Dorko, Keri	Monitoring Analytics, LLC	Not Applicable
Downs, Jere	PJM Interconnection, LLC	Not Applicable
Drom, Richard	Eckert Seamans	Not Applicable
Duensing, Allison	Saracen Energy	Other Supplier
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Dumitriu, Nicolae	PJM Interconnection, LLC	Not Applicable
Ejebe, Gabriel	OATI	Not Applicable
Engle, Andrew	XO Energy MA	Other Supplier
Ericson, Christine	Illinois Commerce Commission	Not Applicable
Ernst, Andrew	Archer Energy	Other Supplier
Esterly, Theresa	PJM Interconnection, LLC	Not Applicable
Everngam, Scott	Blue Horse Shoe Energy	Not Applicable
Fabiano, Janell	PJM Interconnection, LLC	Not Applicable
Fan, Zhenyu	PJM Interconnection, LLC	Not Applicable
Fazio, Danielle	Engelhart CTP (US) LLC	Other Supplier
Fee, George	Appalachian Power Company	Transmission Owner
Fidler, Danielle	Earth Justice	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
Fitch, Neal	NRG Power Marketing LLC	Generation Owner
Fitzpatrick, Brian	PJM Interconnection, LLC	Not Applicable
Foldare, Kenneth	Tangible	Not Applicable
Foley, Imelda	Environmental Defense Fund	Not Applicable
Ford, Adrien	Old Dominion Electric Cooperative	Electric Distributor
Fort, Jim	The Energy Authority	Other Supplier
Fuess, Christian	PBF Power Marketing	Generation Owner
Gebolys, Debbie	Public Utilities Commission of Ohio (The)	Not Applicable
Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Glazer, Craig	PJM Interconnection, LLC	Not Applicable
Good, Megan	Pennsylvania Public Utility Commission	Not Applicable
Gorman, Kevin	Highlands Energy Group LLC (The)	Other Supplier
Grant, Andrew	Geronimo Energy	Not Applicable
Greening, Michele	PJM Interconnection, LLC	Not Applicable
Greiner, Gary	PSEG Energy Resources and Trade LLC	Transmission Owner
Grumet, Stephanie	Capstone DC	Not Applicable
Guntle, Vince	UGI Development Company	Generation Owner
Haque, Asim	PJM Interconnection, LLC	Not Applicable
Hanser, Erik	Michigan Public Service Commission	Not Applicable
Hastings, David	Market Interconnection LLC	Not Applicable
Hauske, Thomas	PJM Interconnection, LLC	Not Applicable
Heidorn, Richard	RTO Insider	Not Applicable
Heinle, Erik	D.C. Office of the People's Counsel	Not Applicable
Helm, Gary	PJM Interconnection, LLC	Not Applicable
Helms, Joe	Rainbow Energy Marketing Corporation	Other Supplier
Hilaski, Steve	Potomac Electric Power Company	Electric Distributor
Hoang, Liem	PJM Interconnection, LLC	Not Applicable
Hoatson, Tom	LS Power	Not Applicable
Hohenshilt, Jennifer	Talen Energy Marketing, LLC	Generation Owner
Holdbrook, Ruth	Northern Virginia Electric Cooperative	Electric Distributor
Holland, Cynthia	New Jersey Board of Public Utilities	Not Applicable
Holland, Risa	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
Horton, Dana	Appalachian Power Company	Transmission Owner
Hsia, Eric	PJM Interconnection, LLC	Not Applicable
Huang, Jamie	ConEdison Energy, Inc.	Other Supplier
Hudis, Gabriella	Jersey Green Energy LLC	Other Supplier
Hull, Gerit	American Municipal Power, Inc.	Electric Distributor
Hurwich, Mark	Elliott Bay Energy Trading, LLC	Other Supplier
Hyzinski, Tom	GT Power Group	Not Applicable
Janicki, Diane	Boston Energy Trading & Marketing, LLC	Generation Owner
Jens, Tom	Blackoak Capital	Other Supplier
Jett, William	Duke Energy Business Services LLC	Generation Owner
Jha, Monica	PCI	Not Applicable
Johnson, Carl	Customized Energy Solutions, Ltd.*	Not Applicable

Josyula, Siva	Monitoring Analytics, LLC	Not Applicable
Kazerooni, Hamid	Invenergy, LLC	Generation Owner
Keech, Adam	PJM Interconnection, LLC	Not Applicable
Keegan, Jack	Just Energy	Other Supplier
Keenan, Mathew	Elwood Energy	Generation Owner
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
Kozhuharov, Dimitar	Delaware Municipal Electric Corporation, Inc.	Electric Distributor
Langbein, Pete	PJM Interconnection, LLC	Not Applicable
LaRocque, Matthew	PJM Interconnection, LLC	Not Applicable
Lawson, David	Osaka Gas USA	Not Applicable
Lejcar, Jamie	Allegheny Electric Cooperative, Inc.	Electric Distributor
Leopold, Chris	Appalachian Power Company	Transmission Owner
Lewis, Cara	PSEG Energy Resources and Trade LLC	Transmission Owner
Liang-Nicol, Cecilia	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Libbos, Robin	FirstEnergy Solutions Corp.	Transmission Owner
Lieberman, Steve	American Municipal Power, Inc.	Electric Distributor
Lowe, Connie	Dominion Virginia Power	Not Applicable
Lu, Chenchao	PJM Interconnection, LLC	Not Applicable
Luna, Joel	Monitoring Analytics, LLC	Not Applicable
Mabry, David	McNees Wallace & Nurick LLC	Not Applicable
Malladi, Brindavani	Arevon Energy	Not Applicable
Mancuso, Melanie	FirstEnergy Solutions Corp.	Transmission Owner
Mariam, Yohannes	Office of the Peoples Counsel for the District of Columbia	End User Customer
Marinelli, Rich	PSEG Energy Resources and Trade LLC	Transmission Owner
Marcino, Angelo	PJM Interconnection, LLC	Not Applicable
Markiewicz, Cindy	FirstEnergy Solutions Corp.	Transmission Owner
Matheson, Eric	Pennsylvania Public Utility Commission	Not Applicable
Matsuzak, Alex	UGI Energy Services	Other Supplier
McDaniel, John	Baltimore Gas and Electric Company	Transmission Owner
McGill, Susan	PJM Interconnection, LLC	Not Applicable
McGlynn, Paul	PJM Interconnection, LLC	Not Applicable
Meadors, Mandy	Duke Energy Ohio, Inc	Transmission Owner
Messina, Emmy	PJM Interconnection, LLC	Not Applicable
Midgley, Sharon	Exelon Business Services Company, LLC	Transmission Owner
Miller, John	Commonwealth Edison Company	Transmission Owner
Mitchell, Miles	Maryland Public Service Commission	Not Applicable
Monzon, Stephanie	PJM Interconnection, LLC	Not Applicable
Mooney, Jeff	FirstEnergy Solutions Corp.	Transmission Owner
Neubrandner, Kerry	DC Energy	Other Supplier
Nix, Emma	Gable Associates	Not Applicable
Novosel, Sarah	Calpine Energy Services, L.P	Generation Owner
OHara, Christopher	PJM Interconnection, LLC	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, Gregory	DTE Energy Trading, Inc.	Other Supplier

Patel, Keyurbhai	PJM Interconnection, LLC	Not Applicable
Pelletier, Eveline	Hydro-Quebec	Not Applicable
Peoples, John	Duquesne Light Company	Transmission Owner
Philips, Darlene	PJM Interconnection, LLC	Not Applicable
Philips, Marjorie	Direct Energy Business, LLC	Other Supplier
Pilong, Chris	PJM Interconnection, LLC	Not Applicable
Pilong, Melissa	PJM Interconnection, LLC	Not Applicable
Pincus, Steve	PJM Interconnection, LLC	Not Applicable
Poulos, Greg	CAPS	Not Applicable
Powers, Sean	Linde, LLC	End User Customer
Price, Mark	DC Energy Mid-Atlantic, LLC	Other Supplier
Price, Ruth	Division of the Public Advocate of the State of Delaware	End User Customer
Rajan, Abhijit	Dominion Resources	Not Applicable
Reeping, Bob	Ohio Edison Company	Transmission Owner
Robinson, Becky	Vistra Energy	Not Applicable
Rohrbach, John	ACES Power	Not Applicable
Rutigliano, Tom	NRDC	Not Applicable
Salaneck, Alexandra	Monitoring Analytics, LLC	Not Applicable
Sasser, Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Scheidecker, Paul	PJM Interconnection, LLC	Not Applicable
Schreim, Morris	Maryland Public Service Commission	Not Applicable
Schuyler, Ken	PJM Interconnection, LLC	Not Applicable
Schweizer, David	PJM Interconnection, LLC	Not Applicable
Shah, Vijay	PJM Interconnection, LLC	Not Applicable
Shanker, Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Silveira, Fabiano	Strom Power, LLC	Other Supplier
Stern, Alexander	Public Service Electric & Gas Company	Transmission Owner
Stone, Andy	PJM Interconnection, LLC	Not Applicable
Sturgeon, John	Duke Energy Carolinas, LLC	Other Supplier
Suh, Jung	Calpine Energy Services, L.P	Generation Owner
Swalwell, Brad	Tangent Energy	Other Supplier
Sweeney, Rory	GT Power Group	Not Applicable
Tangirala, Subha	ABB	Not Applicable
Theodore, Sharon	Electric Power Supply Association	Not Applicable
Thompson, Matthew	XO Energy MA	Other Supplier
Tibbetts, Maeve	Pierce Atwood	Not Applicable
Toomey, Megan	Talen Energy Marketing, LLC	Generation Owner
Tribulski, Jennifer	PJM Interconnection, LLC	Not Applicable
Tyler, Catherine	Monitoring Analytics, LLC	Not Applicable
VanAmburg, Cari	Recurrent Energy	Generation Owner
VanderLaan, Bill	Illinois Commerce Commission	Not Applicable
Wadsworth, Joseph	Vitol Inc.	Other Supplier
Warshel, Kim	PJM Interconnection, LLC	Not Applicable
Whitehead, Jeffrey	GT Power Group	Not Applicable
Widom, Stu	PJM Interconnection, LLC	Not Applicable
Wilson, Bram	EFW, Inc	Not Applicable
Wisersky, Megan	Madison Gas & Electric Co.	Other Supplier
Yoder, Michael	RTO Insider	Not Applicable
Zolnierek, Jim	Illinois Commerce Commission	Not Applicable