

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 Horgar 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 question 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
Ciabattini, 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  
Kazerooni, Hamid  
Keech, Adam  
Keegan, Jack  
Keenan, Mathew  
Kelly, Stephen  
Kenney, Susan  
Kilgallen, Kevin  
Kimmel, David  
Kogut, George  
Kozhuharov, Dimitar  
Langbein, Pete  
LaRocque, Matthew  
Lawson, David  
Lejcar, Jamie  
Leopold, Chris  
Lewis, Cara  
Liang-Nicol, Cecilia  
Libbos, Robin  
Lieberman, Steve  
Lowe, Connie  
Lu, Chenchao  
Luna, Joel  
Mabry, David  
Malladi, Brindavani  
Mancuso, Melanie  
Mariam, Yohannes  
Marinelli, Rich  
Marcino, Angelo  
Markiewicz, Cindy  
Matheson, Eric  
Matsuzak, Alex  
McDaniel, John  
McGill, Susan  
McGlynn, Paul  
Meadors, Mandy  
Messina, Emmy  
Midgley, Sharon  
Miller, John  
Mitchell, Miles  
Monzon, Stephanie  
Mooney, Jeff  
Neubrandner, Kerry  
Nix, Emma  
Novosel, Sarah  
OHara, Christopher  
Olaleye, Michael  
Ondayko, Brock  
O'Neill, Jack  
Pakela, Gregory

Monitoring Analytics, LLC  
Invenergy, LLC  
PJM Interconnection, LLC  
Just Energy  
Elwood Energy  
Brookfield Energy Marketing LP  
PJM Interconnection, LLC  
Avangrid Renewables, LLC  
PJM Interconnection, LLC  
New York Power Authority  
Delaware Municipal Electric Corporation, Inc.  
PJM Interconnection, LLC  
PJM Interconnection, LLC  
Osaka Gas USA  
Allegheny Electric Cooperative, Inc.  
Appalachian Power Company  
PSEG Energy Resources and Trade LLC  
Monongahela Power Company d/b/a Allegheny Power  
FirstEnergy Solutions Corp.  
American Municipal Power, Inc.  
Dominion Virginia Power  
PJM Interconnection, LLC  
Monitoring Analytics, LLC  
McNees Wallace & Nurick LLC  
Arevon Energy  
FirstEnergy Solutions Corp.  
Office of the Peoples Counsel for the District of Columbia  
PSEG Energy Resources and Trade LLC  
PJM Interconnection, LLC  
FirstEnergy Solutions Corp.  
Pennsylvania Public Utility Commission  
UGI Energy Services  
Baltimore Gas and Electric Company  
PJM Interconnection, LLC  
PJM Interconnection, LLC  
Duke Energy Ohio, Inc  
PJM Interconnection, LLC  
Exelon Business Services Company, LLC  
Commonwealth Edison Company  
Maryland Public Service Commission  
PJM Interconnection, LLC  
FirstEnergy Solutions Corp.  
DC Energy  
Gable Associates  
Calpine Energy Services, L.P  
PJM Interconnection, LLC  
PJM Interconnection, LLC  
Appalachian Power Company  
PJM Interconnection, LLC  
DTE Energy Trading, Inc.

Not Applicable  
Generation Owner  
Not Applicable  
Other Supplier  
Generation Owner  
Other Supplier  
Not Applicable  
Generation Owner  
Not Applicable  
Other Supplier  
Electric Distributor  
Not Applicable  
Not Applicable  
Not Applicable  
Electric Distributor  
Transmission Owner  
Transmission Owner  
Transmission Owner  
Transmission Owner  
Electric Distributor  
Not Applicable  
Not Applicable  
Not Applicable  
Not Applicable  
Not Applicable  
Transmission Owner  
End User Customer  
Transmission Owner  
Not Applicable  
Transmission Owner  
Not Applicable  
Other Supplier  
Transmission Owner  
Not Applicable  
Not Applicable  
Transmission Owner  
Not Applicable  
Not Applicable  
Transmission Owner  
Other Supplier  
Not Applicable  
Generation Owner  
Not Applicable  
Not Applicable  
Transmission Owner  
Not Applicable  
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
Zolnierrek, Jim	Illinois Commerce Commission	Not Applicable