

Market Implementation Committee  
PJM Conference & Training Center, Audubon, PA  
May 15, 2019  
9:00 a.m. – 2:00 p.m. EPT

## Administration

1. Ms. Bhavana Keshavamurthy and Ms. Chantal Hendrzak provided announcements; reviewed the Antitrust, Code of Conduct, Public Meetings/Media Participation and the WebEx Participant Identification Requirement.

The Committee approved the draft minutes from the April 10, 2019 MIC meeting with **0 objections and 0 abstentions**.

## Endorsements/Approvals

2. **Manual 11 and 13 revisions for impact of Gas Contingencies on Reserves**  
Ms. Natalie Tacka, PJM, provided an overview of revisions to Manual 11 and 13 to clarify the impact of operationalizing gas contingencies on reserve requirements and reserve market eligibility.  
**The committee endorsed the revisions with 0 objections and 0 abstentions.**
3. **Cover to Cover Review of Manual 6**  
Ms. Emmy Messina, PJM, provided an overview of updates to Manual 6 as part of the cover to cover review.  
**The committee endorsed the revisions with 0 objections and 0 abstentions.**

## First Readings

4. **Five Minute Dispatch and Pricing**  
Mr. Siva Josyula, Monitoring Analytics, presented a first read on a problem statement and issue charge related to Five Minute dispatch and pricing. The committee will be asked to vote on this issue charge at its next meeting.

## Working Issues

5. **Modified Must Offer Exception Process Issue Charge**  
Mr. Pat Bruno, PJM, reviewed proposed updates to the existing Must Offer Exception Process Issue Charge to address relinquishment of CIRs. Several stakeholders stated that they would be interested in a broader discussion of CIRs at the Markets & Reliability Committee. Mr. Carl Johnson, PJM Public Power Coalition, will bring forth a new problem statement/issue charge to address this issue for a first reading at the June MRC meeting.  
[Issue Tracking: Must Offer Exception Process](#)
6. **Fast Start Pricing Order**  
Mr. Adam Keech, PJM, reviewed the recently issued FERC Order to address fast start pricing and discussed implementation details.

## 7. **Carbon Pricing Update**

Mr. Gary Helm, PJM, provided an update on the Carbon Pricing study being conducted by PJM, including assumptions being considered to date. Stakeholders provided comments and feedback on the scope and assumptions of the study.

## 8. **Gas Contingency Compensation**

Mr. Thomas DeVita, PJM, provided an update on the FERC Order ER19-664 and reviewed key takeaways from the dialogue with FERC staff regarding a potential future proposal. He also reviewed the conceptual framework for a new PJM proposal. Stakeholders provided comments and feedback on the proposal.

## 9. **Market Seller Offer Cap**

Mr. Chen Lu, PJM, provided an update on the pending Market Seller Offer Cap complaints and discussed potential future stakeholder consideration of a revised Market Seller Offer Cap.

### Additional Items

## 10. **NYISO/PJM JOA Language**

Ms. Nikki Militello, PJM, provided an update on the NYISO/PJM JOA.

## 11. **ComEd SPS/RAS Retirement**

Mr. Mohit Singh, ComEd, presented on the retirement of the SPS/RAS at Quad Cities substation.

## 12. **VOM Update**

Mr. Tom Hauske, PJM, provided an informational update on requirements for Operating Costs, Maintenance Adders, and Fuel Cost Policies resulting from VOM Order Docket No. ER19-210-001.

### Informational Section

#### **Credit Subcommittee (CS)**

Meeting materials will be posted to the [CS website](#).

#### **Demand Response Subcommittee (DRS)**

Meeting materials will be posted to the [DRS web site](#).

#### **Intermittent Resources Subcommittee (IRS)**

Meeting materials will be posted to the [IRS web site](#).

#### **Net Energy Injections Quarterly Report**

Materials are posted as informational only.

#### **Interregional Coordination Update**

Materials are posted as informational only.

## Market Settlements Subcommittee (MSS)

Meeting materials are posted to the [MSS web site](#).

## Report on Market Operations

The Report on Market Operations will be reviewed during the [MC Webinar](#).

### Future Meeting Dates

June 12, 2019	9:00 a.m.	PJM Conference & Training Center/ WebEx
July 10, 2019	9:00 a.m.	PJM Conference & Training Center/ WebEx
August 7, 2019	9:00 a.m.	PJM Conference & Training Center/ WebEx
September 11, 2019	9:00 a.m.	PJM Conference & Training Center/ WebEx
October 16, 2019	9:00 a.m.	PJM Conference & Training Center/ WebEx
November 13, 2019	9:00 a.m.	PJM Conference & Training Center/ WebEx
December 11, 2019	9:00 a.m.	PJM Conference & Training Center/ WebEx

Author: Bhavana Keshavamurthy

### In-Person Meeting Attendees

Names	Company Name	Sector
Hendrzak, Chantal (Chair)	PJM Interconnection, LLC	Not Applicable
Keshavamurthy, Bhavana (Secretary)	PJM Interconnection, LLC	Not Applicable
Anders, David	PJM Interconnection, LLC	Not Applicable
Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
Benчек, Jim	American Transmission Systems, Inc.	Transmission Owner
Bleiweis, Bruce	DC Energy LLC	Other Supplier
Borgatti, Michael	Gabel and Associates	Not Applicable
Brodbeck, John	EDP Renewables North America, LLC	Other Supplier
Brown, Rich	PJM Interconnection, LLC	Not Applicable
Bruno, Patrick	PJM Interconnection, LLC	Not Applicable
Canter, David	Appalachian Power Company	Transmission Owner
Chmielewski, Brian	PJM Interconnection, LLC	Not Applicable
Ciabattoni, Joe	PJM Interconnection, LLC	Not Applicable
Crystle, Gil	UGI Development Company	Transmission Owner
D'Alessandris, Lou	FirstEnergy Solutions Corp.	Transmission Owner
DeVita, Thomas	PJM Interconnection, LLC	Not Applicable
Diiorio, Michelle	PSEG Energy Resources and Trade LLC	Transmission Owner
Fabiano, Janell	PJM Interconnection, LLC	Not Applicable
Filomena, Guy	Customized Energy Solutions, Ltd.	Not Applicable
Fitch, Neal	NRG Power Marketing LLC	Generation Owner
Foldare, Kenneth	Tangible	Not Applicable
Ford, Adrien	Old Dominion Electric Cooperative	Electric Distributor
Fuess, Christian	PBF Power Marketing	Generation Owner
Greening, Michele	PJM Interconnection, LLC	Transmission Owner
Hastings, David	Market Interconnection LLC	Not Applicable
Hauske, Thomas	PJM Interconnection, LLC	Not Applicable
Helm, Gary	PJM Interconnection, LLC	Not Applicable
Hoatson, Tom	LS Power	Not Applicable
Horning, Lynn Marie	Customized Energy Solutions, Ltd.*	Not Applicable
Horstmann, John	Dayton Power & Light Company (The)	Transmission Owner
Hyzinski, Tom	GT Power Group	Not Applicable
Johnson, Carl	Customized Energy Solutions, Ltd.*	Not Applicable

Josyula, Siva	Monitoring Analytics, LLC	Not Applicable
Kauffman, Brian	EnerNOC, Inc.	Other Supplier
Keech, Adam	PJM Interconnection, LLC	Not Applicable
Kogut, George	New York Power Authority	Other Supplier
Lu, Chenchao	PJM Interconnection, LLC	Not Applicable
Luna, Joel	Monitoring Analytics, LLC	Not Applicable
Mabry, David	McNees Wallace & Nurick LLC	Not Applicable
Messina, Emmy	PJM Interconnection, LLC	Not Applicable
Midgley, Sharon	Exelon Business Services Company, LLC	Not Applicable
Militello, Nicole	PJM Interconnection, LLC	Not Applicable
Nix, Emma	PJM Interconnection, LLC	Not Applicable
Noonan, Casey	PJM Interconnection, LLC	Not Applicable
O'Connell, Robert	PPGI Fund A/B Development, LLC	Generation Owner
OHara, Christopher	PJM Interconnection, LLC	Not Applicable
Perera, Asanga	PJM Interconnection, LLC	Not Applicable
Philips, Marjorie	Direct Energy Business, LLC	Other Supplier
Pilong, Melissa	PJM Interconnection, LLC	Not Applicable
Pincus, Steve	PJM Interconnection, LLC	Not Applicable
Scarpignato, David	Calpine Energy Services, L.P	Generation Owner
Smith, Christen	RTO Insider	Not Applicable
Snyder, Susan	PJM Interconnection, LLC	Not Applicable
Sun, Jung	Calpine Energy Services, L.P	Generation Owner
Sweeney, Rory	GT Power Group	Not Applicable
Tacka, Natalie	PJM Interconnection, LLC	Not Applicable
Thomas, Amber	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Trayers, Barry	Citigroup Energy, Inc.	Other Supplier
Tribulski, Jennifer	PJM Interconnection, LLC	Not Applicable
Whitehead, Jeffrey	GT Power Group	Not Applicable

## Webex Meeting Attendees

<b>Names</b>	<b>Company Name</b>	<b>Sector</b>
Anderson, Jared	SPG Global	Not Applicable
Bainbridge, Tom	FirstEnergy Solutions Corp.	Transmission Owner
Bernstein, Matthew	PJM Interconnection, LLC	Not Applicable
Bresler, Stu	PJM Interconnection, LLC	Not Applicable
Brophy, Nick	New York State Electric & Gas Corporation	Other Supplier
Brozina, Mark	Tangible LLC	Not Applicable
Bruno, Joshua	PJM Interconnection, LLC	Not Applicable
Budney, Dave	PJM Interconnection, LLC	Not Applicable
Burdis, Tim	PJM Interconnection, LLC	Not Applicable
Campbell, Bruce	EnergyConnect, Inc.	Other Supplier
Carmean, Greg	OPSI	Not Applicable
Carroll, Rebecca	PJM Interconnection, LLC	Not Applicable
Caven, Augustine	PJM Interconnection, LLC	Not Applicable
Chintapalli, Raj	BP Energy Company	Power Marketer
Cocco, Michael	Old Dominion Electric Cooperative	Electric Distributor
Coyne, Suzanne	PJM Interconnection, LLC	Not Applicable
Croop, Danielle	PJM Interconnection, LLC	Not Applicable
D'Antonio, Phil	PJM Interconnection, LLC	Not Applicable
Davis, Elizabeth	PJM Interconnection, LLC	Not Applicable
Davis, Gerthy	Marathon Power LLC	Other Supplier
Davis, Jim	Dominion Energy	Transmission Owner
DeLosa, Joe	NJ Board of Public Utilities	Not Applicable

DePillo, Ray	PSEG Energy Resources and Trade LLC	Transmission Owner
DiNicola, Laura	FirstEnergy Solutions Corp.	Transmission Owner
Dirani, Rami	PJM Interconnection, LLC	Not Applicable
Dolan, Jim	PJM Interconnection, LLC	Not Applicable
Drom, Richard	Eckert Seamans	Not Applicable
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Durinsky, Mike	FirstEnergy Solutions Corp.	Transmission Owner
Ejebe, Gabriel	OATI	Not Applicable
Ericson, Christine	Illinois Commerce Commission	Not Applicable
Fan, Zhenyu	PJM Interconnection, LLC	Not Applicable
Fernandez, Ray	PJM Interconnection, LLC	Not Applicable
Feller, John	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Gebolys, Debbie	Public Utilities Commission of Ohio (The)	Not Applicable
Genuario, Gabrielle	PJM Interconnection, LLC	Not Applicable
Guntle, Vince	UGI Development Company	Generation Owner
Hanser, Erik	Michigan Public Service Commission	Not Applicable
Harmon, Mike	Union Electric Company d/b/a Ameren Missouri	Other Supplier
Heinle, Erik	D.C. Office of the People's Counsel	Not Applicable
Heisey, Bradley	Wolf Hills Energy, LLC	Generation Owner
Herel, Suzanne	PJM Interconnection, LLC	Not Applicable
Hohenshilt, Jennifer	Talen Energy Marketing, LLC	Generation Owner
Holdbrook, Ruth	Northern Virginia Electric Cooperative	Electric Distributor
Holland, Risa	PJM Interconnection, LLC	Not Applicable
Holter, Natasha	PJM Interconnection, LLC	Not Applicable
Hsia, Eric	PJM Interconnection, LLC	Not Applicable
Jett, William	Duke Energy Business Services LLC	Generation Owner
Jha, Monica	PCI	Not Applicable
Keegan, Jack	Just Energy	Other Supplier
Kenney, Susan	PJM Interconnection, LLC	Not Applicable
Kilgallen, Kevin	Avangrid Renewables, LLC	Generation Owner
Kimmel, David	PJM Interconnection, LLC	Not Applicable
LaRocque, Matthew	PJM Interconnection, LLC	Not Applicable
Lejcar, Jamie	Allegheny Electric Cooperative, Inc.	Electric Distributor
Leopold, Chris	Appalachian Power Company	Transmission Owner
Liang-Nicol, Cecilia	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Libbos, Robin	FirstEnergy Solutions Corp.	Transmission Owner
Liu-Mckenna, Phyllis	PSEG Energy Resources and Trade LLC	Transmission Owner
Logan, Sharon	The Federal Energy Regulatory Commission	Not Applicable
Lowe, Connie	Dominion Virginia Power	Not Applicable
Mae Velasco, Cheryl	PJM Interconnection, LLC	Not Applicable
Markiewicz, Cindy	FirstEnergy Solutions Corp.	Transmission Owner
Martin, Valerie	The Federal Energy Regulatory Commission	Not Applicable
Matsuzak, Alex	UGI Energy Services	Other Supplier
McGlynn, Paul	PJM Interconnection, LLC	Not Applicable
Mendelsohn, Mark	Noble Americas Gas & Power Corp.	Other Supplier
Mooney, Jeff	FirstEnergy Solutions Corp.	Transmission Owner
O'Boyle, Brian	Consolidated Edison Solutions, Inc.	Transmission Owner
Olaleye, Michael	PJM Interconnection, LLC	Not Applicable
Ondayko, Brock	Appalachian Power Company	Transmission Owner
Pakela, Gregory	DTE Energy Trading, Inc.	Other Supplier
Patel, Keyurbhai	PJM Interconnection, LLC	Not Applicable
Peoples, John	Duquesne Light Company	Transmission Owner
Poulos, Greg	CAPS	Not Applicable
Ponthot, Rosana	PSEG Energy Resources and Trade LLC	Transmission Owner
Powers, Sean	Linde, LLC	End User Customer
Rayhorn, Carolyn	Dominion Virginia Power	Not Applicable



Redwine, Arlo	FERC	Not Applicable
Robertson, Kathleen	Exelon Business Services Company, LLC	Transmission Owner
Rohrbach, John	ACES Power	Not Applicable
Saini, Ishwar	Macquarie Energy	Other Supplier
Sasser, Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Scheidecker, Paul	PJM Interconnection, LLC	Not Applicable
Schmatz, Peter	PSEG Energy Resources and Trade LLC	Transmission Owner
Schmitt, Jeff	PJM Interconnection, LLC	Not Applicable
Schreim, Morris	Maryland Public Service Commission	Not Applicable
Schum, Alic	Illinois Municipal Electric Agency	Electric Distributor
Schuyler, Ken	PJM Interconnection, LLC	Not Applicable
Shanker, Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Sheilds, Jeff	PJM Interconnection, LLC	Not Applicable
Sillin, John	The Federal Energy Regulatory Commission	Not Applicable
Singer, Chad	Fellon McCord	Not Applicable
Sitarchyk, Mike	PJM Interconnection, LLC	Not Applicable
Singh, Mohit	Commonwealth Edison Company	Transmission Owner
Stancombe, Corey	Duke Energy	Transmission Owner
Stone, Andy	PJM Interconnection, LLC	Not Applicable
Stotesbury, Christina	PJM Interconnection, LLC	Not Applicable
Sturgeon, John	Duke Energy Carolinas, LLC	Other Supplier
Haibin, Sun	Exelon Business Services Company, LLC	Transmission Owner
Swalwell, Brad	Tangent Energy	Other Supplier
Tangirala, Subha	ABB	Not Applicable
Vayda, Brian	Borough of Park Ridge, NJ	Electric Distributor
Wadsworth, Joseph	Vitol Inc.	Other Supplier
Ward, Michael	PJM Interconnection, LLC	Not Applicable
Warshel, Kim	PJM Interconnection, LLC	Not Applicable
Williams, Stanley	PJM Interconnection, LLC	Not Applicable
Wilson, Bram	EFW, Inc	Not Applicable
Wilson, James	Wilson Energy Economics	Not Applicable
Xu,Xu	PJM Interconnection, LLC	Not Applicable