

**Market Implementation Committee**  
**PJM Conference & Training Center, Audubon, PA**  
**January 11, 2017**  
**9:00 a.m. – 2:40 p.m. EPT**

## Administration

1. Ms. Christina Stotesbury, PJM, and Ms. Chantal Hendrzak, PJM, provided announcements and reviewed the Antitrust, Code of Conduct, and Public Meetings/Media Participation Guidelines.
2. The committee approved the draft minutes from the December 14, 2016 Market Implementation Committee meeting by acclamation with 0 objections and 0 abstentions.
3. Ms. Christina Stotesbury reviewed the active MIC issues on [Issue Tracking](#)
4. Mr. Ronnie Bailey, Dominion, reviewed a temporary RAS in the Dominion Transmission Zone to account for the Yorktown generation facility retirement.

## Endorsements/Approvals

5. **FERC Order 825 – Shortage Pricing**  
Ms. Lisa Morelli, PJM, reviewed the proposed package to change the Operating Reserve Demand Curve and price shortage conditions in real time, and the associated revisions to Manual 11: Energy & Ancillary Services Market Operations. PJM will request in the compliance filing submitted on January 11, 2017, that the FERC extend the implementation date to coincide with the implementation of 5-minute settlements in February 2018, opposed to May 2017 as the Order suggests. **The committee endorsed the proposed package and Manual 11 revisions by acclamation with 0 objections and 20 abstentions.**
6. **NCEMC Problem Statement and Issue Charge**  
Ms. Debbie Britt, NCEMC, reviewed a pseudo-tie meter correction problem statement and issue charge that will be worked at the Market Settlements Subcommittee. **The committee approved the problem statement and issue charge by acclamation with 0 objections and 0 abstentions.**
7. **Manual 11 Revisions**  
Mr. Michael Olaleye, PJM, reviewed revisions to Manual 11: Energy & Ancillary Services Market Operations to account for the updated Regulation Requirement from the RMISTF. **The committee endorsed the Manual 11 revisions by acclamation with 0 objections and 8 abstentions.**
8. **Manual 27 Revisions**  
Mr. Ray Fernandez, PJM, reviewed revisions to Manual 27: Open Access Transmission Tariff Accounting as part of an annual review process. **The committee endorsed the Manual 27 revisions by acclamation with 0 objections and 0 abstentions.**

## Working Issues

### 9. Annual Revenue Requirements for new Black Start Units

Mr. Tom Hauske, PJM, continued the discussion on Annual Revenue Requirements for new Black Start units and presented a solution option for consideration. Additional options and packages may be sent to the MIC Chair or Secretary in advance of the February MIC meeting.

[Issue tracking: Annual Revenue Requirements for new Black Start Units](#)

### 10. Spot-in Transmission Service for Energy Imports from NYISO

Mr. Chris Pacella, PJM, provided an update on the Spot-in Transmission Service Special Session meeting held on December 21, and reviewed next steps. A revised problem statement and issue charge was presented for the consideration of additional energy import solutions on all seams. Mr. David Hastings, Market Interconnection, LLC, motioned to approve and Mr. Bob O'Connell, Main Line Electricity Market Consultants, seconded the motion to vote on the amended problem statement and issue charge. **The amended problem statement and issue charge were approved by acclamation with 0 objections and 0 abstentions.**

[Issue Tracking: Spot-in Transmission Service for Energy Imports from NYISO](#)

## Additional Updates

### 11. FERC NOPR Updates

A. Ms. Lisa Morelli, PJM, provided an update the Notice of Proposed Rulemaking related to pricing Fast Start Resources, as part of the price formation proceeding.

B. Mr. Andrew Levitt, PJM, provided an update on the Notice of Proposed Rulemaking related to Electric Storage Participation in Markets Operated by Regional Transmission Organizations and Independent System Operators.

Both NOPRs will be reviewed again at the January 23rd MC Webinar.

### 12. Seasonal Capacity Deficiency Letter

Ms. Jennifer Tribulski, PJM, provided an update on the seasonal capacity deficiency notice response.

### 13. Motions to Lodge and for Commencement of Compliance Process of the IMM for PJM

Dr. Joe Bowring, Monitoring Analytics, presented historical replacement capacity examples and provided comment on the [Motions to Lodge](#) and for Commencement of Compliance Process submitted on behalf of Monitoring Analytics on December 30, 2016. Ms. Jen Tribulski, PJM, provided PJM's perspective on the motions as well.

### 14. 2017/2018 ARR/FTR Process

Mr. Brian Chmielewski, PJM, provided an update on the PJM [compliance filing](#) submitted to the FERC on November 14, 2016 impacting the annual ARR/FTR process, and provided details on the timeline and communication plan to introduce the corresponding ARR/FTR changes.

### 15. Synchronized Reserve Events in Emergency Procedures Application

Mr. David Hislop, PJM, provided an update on the effort to add Synchronized Reserve events back into EP.

## 16. NYIS Interface Definition

Mr. Tim Horger, PJM, provided an update on the NYIS Interface Definition to support the post ConEd Wheel implementation, and was available to answer questions on the Inter-Regional Coordination efforts.

### Future Agenda Requests

Mr. Dave Pratzon, GT Power Group, requested a future agenda item at the MIC or MC Webinar for PJM to present more details, such as pricing, the clearing mechanism, and model used, for the 10,000 MW from the 3<sup>rd</sup> Incremental Transition Auction.

### 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](#).

#### Inter-Regional Coordination Activity

Mr. Tim Horger, PJM, was available during the meeting to answer questions related to Inter-Regional Coordination efforts.

#### 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

February 8, 2017	9:00 a.m.	PJM Interconnection – Conference & Training Center
March 8, 2017	9:00 a.m.	PJM Interconnection – Conference & Training Center
April 12, 2017	9:00 a.m.	PJM Interconnection – Conference & Training Center
May 3, 2017	9:00 a.m.	PJM Interconnection – Conference & Training Center
June 7, 2017	9:00 a.m.	PJM Interconnection – Conference & Training Center
July 12, 2017	9:00 a.m.	PJM Interconnection – Conference & Training Center
August 9, 2017	9:00 a.m.	PJM Interconnection – Conference & Training Center
September 13, 2017	9:00 a.m.	PJM Interconnection – Conference & Training Center
October 11, 2017	9:00 a.m.	PJM Interconnection – Conference & Training Center
November 8, 2017	9:00 a.m.	PJM Interconnection – Conference & Training Center
December 13, 2017	9:00 a.m.	PJM Interconnection – Conference & Training Center

## Members in Attendance

Hendrazak, Chantal (Chair)	PJM Interconnection, LLC	Not Applicable
Stotesbury, Christina (Secretary)	PJM Interconnection, LLC	Not Applicable
Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
Benчек, Jim	FirstEnergy Solutions Corp.	Transmission Owner
Brodbeck, John	EDP Renewables North America, LLC	Other Supplier
Filomena, Guy	Customized Energy Solutions, Ltd.*	Not Applicable
Fitch, Neal	NRG Power Marketing LLC	Generation Owner
Foladare, Kenneth	Tangibl Consulting, LLC	Not Applicable
Ford, Adrien	PJM Interconnection, LLC	Not Applicable
Greiner, Gary	PSEG Energy Resources and Trade LLC	Other Supplier
Horstmann, John	Dayton Power & Light Company (The)	Transmission Owner
Hyzinski, Tom	Talen Energy Marketing, LLC	Generation Owner
Jardot, Gina	Essential Power Rock Springs, LLC	Transmission Owner
Johnson, Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Kauffman, Brian	NRG Curtailment Solutions	Other Supplier
Kogut, George	New York Power Authority	Other Supplier
Lieberman, Steven	Old Dominion Electric Cooperative	Electric Distributor
Midgley, Sharon	Exelon Business Services Company, LLC	Transmission Owner
O'Connell, Robert	Main Line Electricity Market Consultants	Not Applicable
Stern, Alexander	Public Service Electric & Gas Company	Transmission Owner
Suh, Jung	Noble Americas Energy Solutions LLC	Other Supplier
Trayers, Barry	Citigroup Energy, Inc.	Other Supplier
Wadsworth, Joseph	Vitol Inc.	Other Supplier
Yu, Joel	Rockland Electric Company	Transmission Owner

## Also in Attendance

Advena, Chris	PJM Interconnection, LLC	Not Applicable
Anders, David	PJM Interconnection, LLC	Not Applicable
Borgatti, Michael	Gabel and Associates	Not Applicable
Bowring, Joe	Monitoring Analytics, LLC	Not Applicable
Brown, Rich	PJM Interconnection, LLC	Not Applicable
Canter, David	Appalachian Power Company	Transmission Owner
Carroll, Rebecca	PJM Interconnection, LLC	Not Applicable
Chmielewski, Brian	PJM Interconnection, LLC	Not Applicable
Ciabattoni, Joe	PJM Interconnection, LLC	Not Applicable
Drauschak, Lisa	PJM Interconnection, LLC	Not Applicable
Driscoll, Mary Ellen	PJM Interconnection, LLC	Not Applicable
Fabiano, Janell	PJM Interconnection, LLC	Not Applicable
Fernandez, Ray	PJM Interconnection, LLC	Not Applicable
Fuess, Jay	White Pine Energy Consulting	Not Applicable
Griffiths, Dan	Consumer Advocates of PJM States	Not Applicable
Hagaman, Derek	GT Power Group	Not Applicable
Hastings, David	Market Interconnection LLC	Not Applicable
Hauske, Thomas	PJM Interconnection, LLC	Not Applicable
Hislop, David	PJM Interconnection, LLC	Not Applicable
Holland, Risa	PJM Interconnection, LLC	Not Applicable
Horger, Tim	PJM Interconnection, LLC	Not Applicable
Levitt, Andrew	PJM Interconnection, LLC	Not Applicable
Mabry, David	McNees Wallace & Nurick LLC	Not Applicable
McLaverly, Megan	PJM Interconnection, LLC	Not Applicable

Morelli, Lisa	PJM Interconnection, LLC	Not Applicable
Olaleye, Michael	PJM Interconnection, LLC	Not Applicable
Pacella, Chris	PJM Interconnection, LLC	Not Applicable
Perera, Asanga	PJM Interconnection, LLC	Not Applicable
Pratzon, David	GT Power Group	Not Applicable
Price, Ruth	Division of the Public Advocate of the State of Delaware	End User Customer
Schreim, Morris	Maryland Public Service Commission	Not Applicable
Shparber, Steven	PJM Interconnection, LLC	Not Applicable
Slagel, Ron	Other	Not Applicable
Souder, Rich	PJM Interconnection, LLC	Not Applicable
Stadlmeyer, Rebecca	PJM Interconnection, LLC	Not Applicable
Strella, Lauren	PJM Interconnection, LLC	Not Applicable
Sweeney, Rory	RTO Insider	Not Applicable
Tribulski, Jennifer	PJM Interconnection, LLC	Not Applicable
Williams, Stanley	PJM Interconnection, LLC	Not Applicable

## In Attendance via WebEx / Teleconference

Ainspan, Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Austin, Larry	PJM Interconnection, LLC	Not Applicable
Bailey, Ronnie	Virginia Electric & Power Company	Transmission Owner
Baker, Scott	PJM Interconnection, LLC	Not Applicable
Berlinski, Mike	Customized Energy Solutions, Ltd.*	Not Applicable
Binder, Gerry	SESCO Enterprises LLC	Other Supplier
Bloom, David	Baltimore Gas and Electric Company	Transmission Owner
Bolan, Martin	FirstEnergy Solutions Corp.	Transmission Owner
Britt, Debbie	North Carolina Electric Membership Corporation	Electric Distributor
Brodbeck, John	EDP Renewables North America, LLC	Generation Owner
Budney, Dave	PJM Interconnection, LLC	Not Applicable
Campbell, Bruce	EnergyConnect, Inc.	Other Supplier
Campbell, Zachary	FTI Consulting	Not Applicable
Cocco, Michael	Old Dominion Electric Cooperative	Electric Distributor
Cox, Jason	Dynegy Power Marketing, Inc.	Generation Owner
Crider, Craig	Virginia Electric & Power Company	Transmission Owner
Croop, Danielle	PJM Interconnection, LLC	Not Applicable
Crystle, Gil	UGI Utilities, Inc.	Transmission Owner
Dadourian, John	Monitoring Analytics, LLC	Not Applicable
D'Alessandris, Lou	FirstEnergy Solutions Corp.	Transmission Owner
DeLosa, Joseph	DE Public Service Commission	Not Applicable
DePillo, Ray	Public Service Electric & Gas Company	Transmission Owner
Dickson, Douglas	New Jersey Board of Public Utilities	Not Applicable
Dillon, Matt	UGI Utilities, Inc.	Transmission Owner
DiNicola, Laura	FirstEnergy Solutions Corp.	Transmission Owner
Dirani, Rami	PJM Interconnection, LLC	Not Applicable
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Fan, Zhenyu	PJM Interconnection, LLC	Not Applicable
Farber, John	DE Public Service Commission	Not Applicable
Ford, Adrien	PJM Interconnection, LLC	Not Applicable
Garnett, Bryan	Duke Energy Ohio, Inc.	Transmission Owner
Gebolys, Debbie	Public Utilities Commission of Ohio (The)	Not Applicable
Gell, Richard	Ontario Power Generation Inc.	Other Supplier
Godson, Gloria	Potomac Electric Power Company	Electric Distributor
Greening, Michele	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner

Greiner, Gary	Public Service Electric & Gas Company	Transmission Owner
Guerry, Katie	EnerNOC, Inc.	Other Supplier
Hannah, Kyle	Dominion Virginia Power	Not Applicable
Hanser, Erik	Michigan Public Service Commission	Not Applicable
Hoatson, Tom	Riverside Generating, LLC	Other Supplier
Horton, Dana	Appalachian Power Company	Transmission Owner
Hsia, Eric	PJM Interconnection, LLC	Not Applicable
Hugee, Jacquelyn	PJM Interconnection, LLC	Not Applicable
Hyatt, John	Monitoring Analytics, LLC	Not Applicable
J.M.	CCI	Not Applicable
Jablonski, James	Borough of Butler, Butler Electric Division	Electric Distributor
Janicki, Diane	Boston Energy Trading & Marketing, LLC	Generation Owner
Keech, Jason	PJM Interconnection, LLC	Not Applicable
Kenney, Susan	PJM Interconnection, LLC	Not Applicable
Kilgallen, Kevin	Avangrid Renewables, LLC	Generation Owner
Kimmel, David	PJM Interconnection, LLC	Not Applicable
Kingston, Amber	North Carolina Electric Membership Corporation	Electric Distributor
Kliner, Alicia	Federal Energy Regulatory Commission (The)	Not Applicable
Lacy, Catharine	Dominion Virginia Power	Not Applicable
Leasure, Jill	Keystone Projects	Not Applicable
Lejcar, Jamie	Allegheny Electric Cooperative, Inc.	Electric Distributor
Liang-Nicol, Cecilia	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Libbos, Robin	FirstEnergy Solutions Corp.	Transmission Owner
LoBue, Dan	Talen Energy Marketing, LLC	Generation Owner
Logan, Sharon	Federal Energy Regulatory Commission (The)	Not Applicable
Mancuso, Melanie	Allegheny Energy Supply Company, L.L.C.	Transmission Owner
Mariam, Yohannes	Office of the Peoples Counsel for the District of Columbia	End User Customer
Markiewicz, Cindy	FirstEnergy Solutions Corp.	Transmission Owner
McAlister, Lisa	PJM Interconnection, LLC	Not Applicable
McLaughlin, Jeffrey	PJM Interconnection, LLC	Not Applicable
Michelle Henry	First Energy Solutions Corp.	Transmission Owner
Miller, John	Commonwealth Edison Company	Transmission Owner
Mok, Alan	Duke Energy Business Services LLC	Transmission Owner
Mooney, Catherine	Monitoring Analytics, LLC	Not Applicable
Morelli, Lisa	PJM Interconnection, LLC	Not Applicable
Olinger, Robert	Keystone Projects	Not Applicable
Ondayko, Brock	Appalachian Power Company	Transmission Owner
Pakela, Gregory	DTE Energy Trading, Inc.	Other Supplier
Park, Jinny	PJM Interconnection, LLC	Not Applicable
Patel, Keyur	PJM Interconnection, LLC	Not Applicable
Patten, Kevin	Appalachian Power Company	Transmission Owner
Peoples, John	Duquesne Light Company	Transmission Owner
Pilong, Chris	PJM Interconnection, LLC	Not Applicable
Pope, Susan	FTI Consulting	Not Applicable
Price, Mark	DC Energy Mid-Atlantic, LLC	Other Supplier
Rajan, Abhijit	Dominion Resources	Not Applicable
Rayhorn, Carolyn	Dominion Virginia Power	Not Applicable
Reeping, Bob	Ohio Edison Company	Transmission Owner
Robson, Matt	SESCO Enterprises LLC	Other Supplier
Rocha-Garrido, Patricio	PJM Interconnection, LLC	Not Applicable
Rohrbach, John	Southern Maryland Electric Cooperative	Electric Distributor
Rothey, Kristin	American Municipal Power, Inc.	Electric Distributor
Rutigliano, Tom	Achieving Equilibrium LLC	Other Supplier

Salaneck, Alexandra	Monitoring Analytics, LLC	Not Applicable
Sasser, Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Schmitt, Jeff	PJM Interconnection, LLC	Not Applicable
Schneider, Jon	FirstEnergy Solutions Corp.	Transmission Owner
Schuyler, Ken	PJM Interconnection, LLC	Not Applicable
Scoglietti, Barbara	Tangent Energy Solutions, Inc.	Other Supplier
Shanker, Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Shaver, Rebecca	FirstEnergy Solutions Corp.	Transmission Owner
Sillin, John	Federal Energy Regulatory Commission (The)	Not Applicable
Souder, Dave	PJM Interconnection, LLC	Not Applicable
Stern, Alex	Public Service Electric & Gas Company	Transmission Owner
Summers, Ted	Direct Energy Business Marketing, LLC	Other Supplier
Tangirala, Subha	US ABB	Not Applicable
Tatum, Ed	American Municipal Power, Inc.	Electric Distributor
Thompson, Matthew	XO Energy MA, L.P.	Other Supplier
Thomson, Heather	Mid-Atlantic Renewable Energy Coalition	Not Applicable
Treich, Brianna	Interstate Gas Supply, Inc.	Other Supplier
Tsao, Stephanie	S&P Global	Not Applicable
Urbin, Greg	Baltimore Gas and Electric Company	Transmission Owner
Walter, Laura	PJM Interconnection, LLC	Not Applicable
Ward, Michael	PJM Interconnection, LLC	Not Applicable
Warner-Freeman, Jennifer	PJM Interconnection, LLC	Not Applicable
Weiss, Glenn	PJM Interconnection, LLC	Not Applicable
Whitehead, Jeff	Direct Energy Business Marketing, LLC	Other Supplier
Wicks, Tonja	Duquesne Light Company	Transmission Owner
Wilhite, Chad	FirstEnergy Solutions Corp.	Transmission Owner
Wilmoth, Emily	Dominion Virginia Power	Not Applicable
Wilson, James	Wilson Energy Economics	Not Applicable
Wood, Gordon	ETC Endure Energy L.L.C.	Other Supplier
Wunderlich, David	Royal Bank of Canada	Other Supplier

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