

Market Implementation Committee
PJM Conference & Training Center, Audubon, PA
November 2, 2016
9:30 a.m. – 4:45 p.m. EPT

Administration

1. Ms. Christina Stotesbury, PJM, provided announcements and reviewed the Antitrust, Code of Conduct, and Public Meetings/Media Participation Guidelines.
2. Minutes from the October 5, 2016 Market Implementation Committee meeting were endorsed by acclamation with **0 objections** and **0 abstentions**.
3. Ms. Christina Stotesbury, PJM, reviewed the MIC issues on [Issue Tracking](#).

Endorsements/Approvals

4. **Manual 15 – Fuel Cost Policy Revisions**
Mr. Jeff Schmitt, PJM, reviewed proposed revisions to Manual 15 – Cost Development Guidelines regarding Fuel Cost Policies contingent upon FERC approval of PJM's related compliance filing.
The committee endorsed the Manual 15 revisions by acclamation with 7 objections and 2 abstentions.
5. **Manual 28 – Operating Agreement Accounting Revisions**
Mr. Ray Fernandez, PJM, reviewed proposed revisions to Manual 28 to better describe a fully metered EDC.
The committee endorsed the Manual 28 revisions by acclamation with 0 objections and 15 abstentions.
6. **Governing document language for Operating Parameters**
Mr. Tom Hauske, PJM, reviewed proposed revisions to the PJM Tariff, and Manuals 11, 12, and 28.
A suggestion to include additional language was offered by the Market Monitor and the committee motioned to delay endorsing the governing document language until the December MIC meeting.
The committee will be asked to endorse these manual revisions in December.

Working Issues

7. **Annual Revenue Requirements for new Black Start Units**
Mr. Tom Hauske, PJM, continued discussion on Annual Revenue Requirements for new Black Start units. Stakeholder interests and solution options were captured for consideration.
[Issue tracking: Annual Revenue Requirements for new Black Start Units](#)
8. **Spot-in Transmission Service for Energy Imports from NYISO**
Mr. Chris Pacella, PJM, and Mr. Joe Wadsworth, Vitol, reviewed a new proposal to address spot-in transmission service for energy imports from NYISO. Due to the complexity of the solution proposed, the committee motioned to amend the problem statement and issue charge to expand the scope beyond the NYISO boarder. Prior to voting to modify the problem statement and issue charge, the committee decided a

Special Session of the MIC to specifically focus on this Spot-inTransmission Service for Energy Imports issue in greater detail.

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

9. FERC Order 825 – Settlement Intervals & Shortage Pricing

- A. Mr. Ray Fernandez, PJM, provided an update on Order 825 5-minute settlements. Additional information on congestion charge calculations will be provided at the next meeting.
- B. Ms. Rebecca Stadelmeyer, PJM, reviewed discussion items from the October 26 MIC Special Session and the current proposal. Stakeholders were given an opportunity to provide interests, options and packages for consideration.

First Readings

10. Residual ARR Enhancements

Mr. Asanga Perera, PJM, reviewed the Residual ARR Enhancements issue, provided additional education requested at the October meeting investigating a larger residual negative ARR in February 2016, and presented an updated package as a first read.

The committee will be asked to endorse this package at the December meeting.

Additional Updates

11. Fuel Cost Policy Clarifications

Dr. Joe Bowring, Monitoring Analytics, reviewed gas penalties as part of Fuel Cost Policies. Additional information on this topic will be provided at the December meeting.

12. FTR FERC Order

Mr. Asanga Perera, PJM, provided an update on the FERC Order addressing the PJM filing Docket ER16-121-000.

13. Inter-Regional Coordination Activity

Mr. Tim Horger, PJM, provided an update on Inter-Regional Coordination activity, including an update on the PSE&G/ConEd Wheel Modeling.

14. Net Energy Metering Report

Mr. Ken Schuyler, PJM, provided an update on the 2016 third quarter Net Energy Metering Report.

15. Credit Subcommittee

Mr. Hal Loomis, PJM, provided an updated on the FTR Credit Analysis that was previewed in September.

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](#).

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

December 14, 2016	9:30 a.m.	PJM Interconnection – Conference & Training Center
January 11, 2017	9:30 a.m.	PJM Interconnection – Conference & Training Center
February 8, 2017	9:30 a.m.	PJM Interconnection – Conference & Training Center
March 8, 2017	9:30 a.m.	PJM Interconnection – Conference & Training Center
April 12, 2017	9:30 a.m.	PJM Interconnection – Conference & Training Center
May 3, 2017	9:30 a.m.	PJM Interconnection – Conference & Training Center
June 7, 2017	9:30 a.m.	PJM Interconnection – Conference & Training Center

Members in Attendance

Hendrzak, Chantal (Chair)	PJM Interconnection, LLC	Not Applicable
Stotesbury, Christina (Secretary)	PJM Interconnection, LLC	Not Applicable
Benckek, Jim	FirstEnergy Solutions Corp.	Transmission Owner
Bleiweis, Bruce	DC Energy LLC	Other Supplier
Canter, David	Appalachian Power Company	Transmission Owner
Cox, Jason	Dynegy Power Marketing, Inc.	Generation Owner
Crystle, Gil	UGI Development Company	Transmission Owner
Dillon, Matt	UGI Development Company	Transmission Owner
Filomena, Guy	Customized Energy Solutions, Ltd.*	Not Applicable
Fitch, Neal	NRG Power Marketing LLC	Generation Owner
Greiner, Gary	PSEG Energy Resources and Trade LLC	Other Supplier
Griffiths, Dan	Consumer Advocates of PJM States	Not Applicable
Horstmann, John	Dayton Power & Light Company (The)	Transmission Owner
Jardot, Gina	Essential Power Rock Springs, LLC	Transmission Owner
Johnson, Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Kogut, George	New York Power Authority	Other Supplier
Lieberman, Steven	Old Dominion Electric Cooperative	Electric Distributor
Longo, Lauren	Talen Energy Marketing, LLC	Generation Owner
Midgley, Sharon	Exelon Business Services Company, LLC	Transmission Owner
Sasser, Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Scarpignato, David	Calpine Energy Services, L.P.	Generation Owner
Suh, Jung	Noble Americas Energy Solutions LLC	Other Supplier
Trayers, Barry	Citigroup Energy, Inc.	Other Supplier
Wadsworth, Joseph	Vitol Inc.	Other Supplier
Whitehead, Jeffrey	Direct Energy Business Marketing, LLC	Other Supplier

Also in Attendance

Anders, David	PJM Interconnection, LLC	Not Applicable
Borgatti, Michael	Gabel and Associates	Not Applicable
Bowring, Joe	Monitoring Analytics, LLC	Not Applicable
Bresler, Stu	PJM Interconnection, LLC	Not Applicable

Bryson, Mike	PJM Interconnection, LLC	Not Applicable
Ciabattoni, Joe	PJM Interconnection, LLC	Not Applicable
Coyne, Suzanne	PJM Interconnection, LLC	Not Applicable
Drauschak, Lisa	PJM Interconnection, LLC	Not Applicable
Driscoll, MaryEllen	PJM Interconnection, LLC	Not Applicable
Fabiano, Janell	PJM Interconnection, LLC	Not Applicable
Fernandez, Ray	PJM Interconnection, LLC	Not Applicable
Fitzpatrick, Brian	PJM Interconnection, LLC	Not Applicable
Hagaman, Derek	GT Power Group	Not Applicable
Hauske, Thomas	PJM Interconnection, LLC	Not Applicable
Hendrzak, Chantal	PJM Interconnection, LLC	Not Applicable
Holland, Risa	PJM Interconnection, LLC	Not Applicable
Horger, Tim	PJM Interconnection, LLC	Not Applicable
Hugee, Jacquelyn	PJM Interconnection, LLC	Not Applicable
Kenney, Susan	PJM Interconnection, LLC	Not Applicable
Loomis, Harold	PJM Interconnection, LLC	Not Applicable
Luna, Joel	Monitoring Analytics, LLC	Not Applicable
Mabry, David	McNees Wallace & Nurick LLC	Not Applicable
McLavery, Megan	PJM Interconnection, LLC	Not Applicable
Mooney, Catherine	Monitoring Analytics, LLC	Not Applicable
O'Connell, Robert	Main Line Electricity Market Consultants	Not Applicable
Pacella, Chris	PJM Interconnection, LLC	Not Applicable
Perera, Asanga	PJM Interconnection, LLC	Not Applicable
Pilong, Chris	PJM Interconnection, LLC	Not Applicable
Pratzon, David	GT Power Group	Not Applicable
Schmitt, Jeff	PJM Interconnection, LLC	Not Applicable
Schuyler, Kenneth	PJM Interconnection, LLC	Not Applicable
Shparber, Steven	PJM Interconnection, LLC	Not Applicable
Smith, Melissa	PJM Interconnection, LLC	Not Applicable
Souder, Richard	PJM Interconnection, LLC	Not Applicable
Stadelmeyer, Rebecca	PJM Interconnection, LLC	Not Applicable
Strella, Lauren	PJM Interconnection, LLC	Not Applicable
Sweeney, Rory	Other	Not Applicable
Williams, Stanley	PJM Interconnection, LLC	Not Applicable

In Attendance via Web Ex / Teleconference

Ainspan, Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Austin, Larry	PJM Interconnection, LLC	Not Applicable
Baker, Scott	PJM Interconnection, LLC	Not Applicable
Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
Bazar, Kevin	PJM Interconnection, LLC	Not Applicable
Behrens, Jason	Tenaska Power Services Co	Generation Owner
Binder, Gerry	SESCO Enterprises LLC	Other Supplier
Bloom, David	Baltimore Gas and Electric Company	Transmission Owner
Bolan, Martin	FirstEnergy Solutions Corp.	Transmission Owner
Booth, Daniel	Calpine Energy Services, L.P.	Generation Owner
Borradaile, Mike	PJM Interconnection, LLC	Not Applicable
Boyle, Sean	PJM Interconnection, LLC	Not Applicable
Britt, Debbie	North Carolina Electric Membership Corporation	Electric Distributor
Brodbeck, John	EDP Renewables North America, LLC	Generation Owner
Brown, Rich	PJM Interconnection, LLC	Not Applicable
Budney, David	PJM Interconnection, LLC	Not Applicable

Bunch, Kevin
 Campbell, Bruce
 Cicero, Nicholas
 Cocco, Michael
 Dadourian, John
 Depillo, Raymond
 Dessender, Harry
 Dickson, Douglas
 Dillon, Matt
 DiNicola, Laura
 Dirani, Rami
 Dugan, Chuck
 Esposito-Hils, Pati
 Evrard, David
 Farber, John
 Garnett, Bryan
 Gebolys, Debbie
 Gilani, Rehan
 Guerry, Katie
 Guo, Jau-Jia
 Haas, Howard
 Hanser, Erik
 Harmon, Michael
 Hastings, David
 Hayik, Seth
 Heise, Randi
 Henshaw, Frank
 Hoatson, Tom
 Hyatt, John
 Hyzinski, Tom
 Jablonski, James
 Jett, William
 Jones, Ryan
 Kaczanowski, Marek
 Kauffman, Brian
 Kendall, Ross
 Kingston, Amber
 Kliner, Alicia
 Kuhn, Tyler
 Lacy, Catharine
 Langbein, Peter
 Lee, George
 Lejcar, Jamie
 Libbos, Robin
 Lind, Clarke
 LoBue, Dan
 Logan, Sharon
 Manning, James
 McLaughlin, Jeffrey
 Mihaly, Imola
 Miller, John
 Olaleye, Michael
 Ondayko, Brock

EDF Trading North America, LLC
 EnergyConnect, Inc.
 FirstEnergy Solutions Corp.
 Old Dominion Electric Cooperative
 Monitoring Analytics, LLC
 Public Service Electric & Gas Company
 Customized Energy Solutions, Ltd.*
 New Jersey Board of Public Utilities
 UGI Energy Services, LLC
 FirstEnergy Solutions Corp.
 PJM Interconnection, LLC
 East Kentucky Power Cooperative, Inc.
 TransCanada Power Marketing Ltd.
 Pennsylvania Office of Consumer Advocate
 DE Public Service Commission
 Duke Energy Ohio, Inc.
 Public Utilities Commission of Ohio (The)
 ConEdison Energy, Inc.
 EnerNOC, Inc.
 Appalachian Power Company
 Monitoring Analytics, LLC
 Michigan Public Service Commission
 Union Electric Company d/b/a Ameren Missouri
 Dhastco
 Monitoring Analytics, LLC
 Dominion Virginia Power
 Constellation Energy Group
 Riverside Generating, LLC
 Monitoring Analytics, LLC
 Talen Energy Marketing, LLC
 Borough of Butler, Butler Electric Division
 Duke Energy Ohio, Inc.
 Allegheny Electric Cooperative, Inc.
 Baltimore Gas and Electric Company
 NRG Power Marketing, LLC
 PJM Interconnection, LLC
 North Carolina Electric Membership Corporation
 The Federal Energy Regulatory Commission
 DC Energy, LLC
 Dominion Virginia Power
 PJM Interconnection, LLC
 BJ Energy, LLC
 Allegheny Electric Cooperative, Inc.
 FirstEnergy Solutions Corp.
 Powerex Corporation
 Talen Energy Marketing, LLC
 The Federal Energy Regulatory Commission
 North Carolina Electric Membership Corporation
 PJM Interconnection, LLC
 Essential Power, LLC
 Commonwealth Edison Company
 PJM Interconnection, LLC
 Appalachian Power Company

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

Pakela, Gregory
 Patel, Keyur
 Patten, Kevin
 Peebles, Andy
 Peoples, John
 Powers, Sean
 Price, Mark
 Prokop, Brenda
 Prouse, Richard
 Reeping, Bob
 Riehl, John
 Robson, Matt
 Rolashevich, Pete
 Rutigliano, Tom
 Saini, Ishwar
 Scoglietti, Barbara
 Shanker, Roy
 Shannon, Gary
 Souder, Michelle
 Stern, Alexander
 Tangirala, Subha
 Thomson, Heather
 Tribulski, Jennifer
 Velasco, Cheryl
 Vennekotter, Kristin
 Walter, Laura
 Ward, Michael
 Warner-Freeman, Jennifer
 Wellborn, Sam
 Wicks, Tonja
 Wilhite, Chad
 Williams, Amber
 Wilmoth, Emily
 Xu, Xu
 Yu, Joel

DTE Energy Trading, Inc.
 PJM Interconnection, LLC
 Appalachian Power Company
 Shell Energy North America (US), LP
 Duquesne Light Company
 Linde Energy Services, Inc.
 DC Energy Mid-Atlantic, LLC
 ITC Mid-Atlantic Development LLC
 Calpine Energy Services, L.P.
 Pennsylvania Electric Company
 The Federal Energy Regulatory Commission
 SESCO Enterprises LLC
 The Federal Energy Regulatory Commission
 Achieving Equilibrium LLC
 Macquarie Energy LLC
 Tangent Energy Solutions, Inc.
 H.Q. Energy Services (U.S.), Inc.
 AEP Energy Partners, Inc.
 PJM Interconnection, LLC
 Public Service Electric & Gas Company
 US ABB
 Mid-Atlantic Renewable Energy
 PJM Interconnection, LLC
 PJM Interconnection, LLC
 American Municipal Power, Inc.
 PJM Interconnection, LLC
 PJM Interconnection, LLC
 PJM Interconnection, LLC
 The Federal Energy Regulatory Commission
 Duquesne Light Company
 FirstEnergy Solutions Corp.
 New York State Electric & Gas Corporation
 Dominion Virginia Power
 PJM Interconnection, LLC
 Rockland Electric Company

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

Author: Christina Stotesbury

Facilitator Feedback Form: <http://www.pjm.com/committees-and-groups/committees/form-facilitator-feedback.aspx>