

Market Implementation Committee
PJM Conference & Training Center, Audubon, PA
November 7, 2018
9:00 a.m. – 4:00 p.m. EPT

Administration

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

The Committee approved the draft minutes from the October 10, 2018 MIC meeting **with 0 objections and 0 abstentions.**

Mr. Brian Chmielewski, PJM informed the members that PJM will resume discussions on the topics that were discussed at the FTR Risk Management Workshop once the recommendations from the Special Board Committee are final. At that time, PJM will re-engage the MIC to develop a Problem Statement and Issue Charge to address any recommendations that may impact FTR business rules.

Endorsements/Approvals

2. Day Ahead Market Timeline Update

Mr. Keyur Patel, PJM, presented the conforming Manual 11 changes related to the changes to the Day Ahead Timeline. The tariff changes for the same topic were brought through at the September MIC and were endorsed at the September MRC/MC.

The Committee endorsed the manual revisions with 0 objections and 0 abstentions.

3. Biennial Review of Manual 27

Mr. Ray Fernandez, PJM, presented Manual 27 changes as part of the Biennial Review.

The Committee endorsed the manual revisions with 0 objections and 0 abstentions.

4. Must Offer Exception Process

A. Ms. Susan McGill, PJM presented education on transfer of Capacity Interconnection Rights.

B. Mr. Pat Bruno, PJM, presented the PJM package

C. Ms. Alexandra Salaneck, Monitoring Analytics, presented the updated IMM package.

[Issue Tracking: Must Offer Exemption Process](#)

The PJM package passed with 173 in favor (79%), 45 opposed (21%) and 17 abstentions and will move to the MRC as the main motion.

The IMM package failed with 52 in favor (22%), 188 opposed (78%) and 13 abstentions.

The committee also preferred the PJM Package over Status Quo with 164 in favor (78%) and 45 opposed (22%) and 14 abstentions.

5. FTR Forfeiture Rule

- A. Mr. Brian Chmielewski, PJM, presented Package A.
- B. Mr. Chris Carpenter, VECO presented Package B.
- C. Mr. Seth Hayik, Monitoring Analytics, reviewed IMM's comments on the issue.

[Issue Tracking: FTR Forfeiture Rule Changes](#)

Package A is failed with 132 in favor (48%), 141 opposed (52%) and 17 abstentions.

Package B passed with 224 in favor (85%), 38 opposed (15%) and 12 abstentions and will move to the MRC as the main motion.

The committee also preferred Package B over Status Quo with 190 in favor (74%) and 67 opposed (26%) and 13 abstentions.

6. Gas Pipeline Contingencies

- A. Mr. Rich Brown, PJM, presented Package A(Calpine) and Package B(PJM).
- B. Ms. Marji Philips, Direct Energy, presented Package C.

After reviewing the packages, the ensuing discussion led to the development of a fourth package and modification of the to the first three. The morning vote was postponed to allow stakeholders and package sponsors to discuss alternatives as the meeting broke for lunch. The meeting returned to this voting item after the First Readings. The package sponsors and other interested stakeholders revised the original three packages and added a fourth package for consideration. An updated matrix was posted and the committee voted on all four packages.

[Issue Tracking: Gas Pipeline Contingencies](#)

Package A (Calpine) passed with 109 in favor (75%), 37 opposed (25%) and 19 abstentions and will move to the MRC as the main motion.

Package B(PJM) failed with 62 in favor (36%), 108 opposed (64%) and 32 abstentions.

Package C(Direct Energy) failed with 71 in favor (42%), 98 opposed (58%) and 48 abstentions.

Package D(PJM2) failed with 68 in favor (40%), 102 opposed (60%) and 33 abstentions.

The committee also preferred Package A(Calpine) over Status Quo with 129 in favor (99%), 1 opposed(1%) and 23 abstentions.

First Readings

7. FTR Market to Auction Credit Requirements

- A. Ms. Bridgid Cummings, PJM presented the Market to Auction proposals.
- B. Mr. James Ramsey, Suffolk Fund, presented Mark to Auction proposals H and H'.

[Issue Tracking: FTR Market to Auction Credit Requirements](#)

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

Additional Items

8. **PJM.com Web Based Agreements**

Ms. Tawnya Luna, PJM presented an informational update on PJM.com web-based agreements and the new Manual links feature.

9. **Electric Storage Participation FERC Order 841**

Ms. Danielle Croop, PJM presented education on how battery resources could participate in the Day-Ahead Market.

[Issue Tracking: Electric Storage Participation FERC Order 841](#)

10. **Significant Extended Winter Outages**

Mr. Lagy Mathew, PJM provided an overview of significant extended transmission outages scheduled over the Winter 2018/19.

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](#).

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

| | | |
|-------------------|-----------|---|
| December 12, 2018 | 9:00 a.m. | PJM Conference & Training Center/ WebEx |
| January 9, 2019 | 9:00 a.m. | PJM Conference & Training Center/ WebEx |
| February 6, 2019 | 9:00 a.m. | PJM Conference & Training Center/ WebEx |
| March 6, 2019 | 9:00 a.m. | PJM Conference & Training Center/ WebEx |
| April 10, 2019 | 9:00 a.m. | PJM Conference & Training Center/ WebEx |
| May 15, 2019 | 9:00 a.m. | PJM Conference & Training Center/ WebEx |
| June 12, 2019 | 9:00 a.m. | PJM Conference & Training Center/ WebEx |

Author: Bhavana Keshavamurthy

In-Person Meeting Attendees

| | | |
|------------------------------------|---------------------------------------|----------------------|
| Hendrzak, Chantal (Chair) | PJM Interconnection, LLC | Not Applicable |
| Keshavamurthy, Bhavana (Secretary) | PJM Interconnection, LLC | Not Applicable |
| Anders, David | PJM Interconnection, LLC | Not Applicable |
| Bleiweis, Bruce | DC Energy LLC | Other Supplier |
| Boyle, Glenn | PJM Interconnection, LLC | Not Applicable |
| Bresler, Stu | PJM Interconnection, LLC | Not Applicable |
| Brown, Rich | PJM Interconnection, LLC | Not Applicable |
| Brodbeck, John | EDP Renewables, North | Other Supplier |
| Bruno, Patrick | PJM Interconnection, LLC | Not Applicable |
| Carpenter, Chris | Veco Power Trading, LLC | Other Supplier |
| Chmielewski, Brian | PJM Interconnection, LLC | Not Applicable |
| Croop, Danielle | PJM Interconnection, LLC | Not Applicable |
| Cummings, Bridgid | PJM Interconnection, LLC | Not Applicable |
| Daugherty, Suzanne | PJM Interconnection, LLC | Not Applicable |
| DeVita, Thomas | PJM Interconnection, LLC | Not Applicable |
| Drauschak, Lisa | PJM Interconnection, LLC | Not Applicable |
| Driscoll, Mary Ellen | PJM Interconnection, LLC | Not Applicable |
| Fernandez, Ray | PJM Interconnection, LLC | 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 Marketig | Generation Owner |
| Giacomoni, Anthony | PJM Interconnection, LLC | Not Applicable |
| Greening, Michele | PJM Interconnection, LLC | Not Applicable |
| Greiner, Gary | PSEG Energy Resources and Trade LLC | Other Supplier |
| Hayik, Seth | Monitoring Analytics, LLC | Not Applicable |
| Holter, Natasha | PJM Interconnection, LLC | Not Applicable |
| Horger, Tim | PJM Interconnection, LLC | Not Applicable |
| Horstmann, John | Dayton Power & Light Company (The) | Transmission Owner |
| Horton, Dana | Appalachian Power Company | Transmission Owner |
| Hyzinski, Tom | GT Power Group | Not Applicable |
| Johnson, Carl | Customized Energy Solutions, Ltd.* | Not Applicable |
| Keech, Adam | PJM Interconnection, LLC | Not Applicable |
| Kenney, Susan | PJM Interconnection, LLC | Not Applicable |
| Kogut, George | New York Power Authority | Other Supplier |
| Loomis, Harold | PJM Interconnection, LLC | Not Applicable |
| Lu, Chenchao | PJM Interconnection, LLC | Not Applicable |
| Mabry, David | McNeese Wallace & Nurick LLC | Not Applicable |
| McGlynn, Paul | PJM Interconnection, LLC | Not Applicable |
| Midgley, Sharon | Exelon Business Services Company, LLC | Transmission Owner |
| Patel, Keyur | PJM Interconnection, LLC | Not Applicable |
| Peoples, John | Duquesne Light Company | Transmission Owner |
| Philips, Marjorie | Direct Energy Business, LLC | Other Supplier |
| Pratzon, David | GT Power Group | Not Applicable |
| Scarpignato, David | Calpine Energy Services, L.P. | Generation Owner |
| Stotesbury, Christina | PJM Interconnection, LLC | Not Applicable |
| Sweeney, Rory | RTO Insider | Not Applicable |
| Trayers, Barry | Citigroup Energy, Inc. | Other Supplier |
| Tribulski, Jennifer | PJM Interconnection, LLC | Not Applicable |
| Tyler, Catherine | Monitoring Analytics | Not Applicable |
| Whitehead, Jeffrey | GT Power Group | Not Applicable |

Webex Meeting Attendees

| Names | Company Name | Sector |
|----------------------|--|----------------------|
| Abend, Erik | Erik Abend Consulting | Not Applicable |
| Aguilar, Fabiano | Strom Power, LLC | Other Supplier |
| Anderson, Jared | SPG Global | Not Applicable |
| Bazar, Kevin | PJM Interconnection, LLC | Not Applicable |
| Bickerstaff, Dean | Hartree Partners, LLC | Other Supplier |
| Binder, Gerry | SESCO Enterprises LLC | Other Supplier |
| Brown, William | VECO Power Trading | Not Applicable |
| Bruno, Joshua | PJM Interconnection, LLC | Not Applicable |
| Budney, Dave | PJM Interconnection, LLC | Not Applicable |
| Campbell, Bruce | EnergyConnect, Inc. | Other Supplier |
| Carnean, Greg | OPSI | Not Applicable |
| Chen, Hong | PJM Interconnection, LLC | Not Applicable |
| Christopher, Mahila | Ohio Public Utility Commission | Not Applicable |
| Ciabattoni, Joe | PJM Interconnection, LLC | Not Applicable |
| Clark, Barrett | DC Energy | Other Supplier |
| Cocco, Michael | Old Dominion Electric Cooperative | Electric Distributor |
| Cockrell, Justin | VECO Power Trading | Other Supplier |
| Cox, Jason | EDF Energy Services | Not Applicable |
| Coyne, Suzanne | PJM Interconnection, LLC | Not Applicable |
| D'Alessandris, Lou | FirstEnergy Solutions Corp. | Transmission Owner |
| DeLosa, Joe | NJ Board of Public Utilities | Not Applicable |
| Dentz, Morgan | DC Energy | Other Supplier |
| DePillo, Ray | PSEG Energy Resources and Trade LLC | Transmission Owner |
| Diiorio, Michelle | PSEG Energy Resources and Trade LLC | Transmission Owner |
| Dillon, Matt | UGI Development Company | Generation Owner |
| DiNicola, Laura | FirstEnergy Solutions Corp. | Transmission Owner |
| Duensing, Allison | Saracen Energy | Other Supplier |
| Dugan, Chuck | East Kentucky Power Cooperative, Inc. | Transmission Owner |
| Fares, Robert | FERC | Not Applicable |
| Feller, John | PPL Electric Utilities Corp. dba PPL Utilities | Transmission Owner |
| Gebolys, Debbie | Public Utilities Commission of Ohio (The) | Not Applicable |
| Gilani, Rehan | ConEdison Energy, Inc. | Other Supplier |
| Gondek, John | PSEG Energy Resources and Trade LLC | Generation Owner |
| Gorman, Kevin | Highlands Energy Group LLC (The) | Other Supplier |
| Greco, Steven | NextEra Energy Marketing, LLC | Other Supplier |
| Guler, Teoman | Roscommon Analytics | Not Applicable |
| Guntle, Vince | UGI Development Company | Generation Owner |
| Harmon, Mike | Union Electric Company d/b/a Ameren Missouri | Other Supplier |
| Hastings, David | Market 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 |
| Hsia, Eric | PJM Interconnection, LLC | Not Applicable |
| Huntoon, Stephen | NextEra Energy Power Marketing, LLC | Generation Owner |
| Hurwich, Mark | Elliott Bay Energy Trading, LLC | Other Supplier |
| Janicki, Diane | Boston Energy Trading & Marketing, LLC | Generation Owner |
| Kelly, Stephen | Brookfield Energy Marketing LP | Other Supplier |
| Kharod, Ankit | PJM Interconnection, LLC | Not Applicable |
| Kimmel, David | PJM Interconnection, LLC | Not Applicable |
| Klein, Abram | Appian Way Energy | Other Supplier |
| LaRocque, Matthew | PJM Interconnection, LLC | Not Applicable |
| Laymon, Angelita | FirstEnergy Solutions Corp. | Transmission Owner |
| Lejcar, Jamie | Allegheny Electric Cooperative, Inc. | Electric Distributor |

Liang-Nicol, Cecilia
 Libbos, Robin
 Lieberman, Steve
 Little, John
 Long, Matthew
 Long, Sharon
 Loew, Connie
 Mariam, Yohannes
 Markiewicz, Cindy
 Martin, Aaron
 Martin, Valerie
 Matsuzak, Alex
 Matzen, Jeff
 Miller, John
 Monzon, Stephanie
 Morelli, Lisa
 O'Boyle, Brian
 Pakela, Gregory
 Pakula, Maggie
 Park, Jinny
 Pelletier, Eveline
 Picarelli, David
 Raghavan, Vijay
 Ramsey, James
 Reams, William
 Robson, Matt
 Rohrbach, John
 Saini, Ishwar
 Sasser, Jonathan
 Schmitt, Jeff
 Schuyler, Ken
 Shanker, Roy
 Sillin, John
 Sock, Brian
 Stancombe, Corey
 Stone, Andy
 Sturgeon, John
 Tangirala, Subha
 Thompson, Matthew
 Toomey, Megan
 Ward, Michael
 Warshel, Kim
 Wilhite, Chad
 Wilmoth ES, Emily
 Wisersky, Megan
 Xu, Xu

Monongahela Power Company d/b/a Allegheny Power
 FirstEnergy Solutions Corp.
 American Municipal Power, Inc.
 North Carolina Utilities Commission
 Appalachian Power Company
 FERC
 Dominion Virginia Power
 Office of the Peoples Counsel for the District of Columbia
 FirstEnergy Solutions Corp.
 CMS Energy Resource Management Company
 The Federal Energy Regulatory Commission
 UGI Energy Services
 Dominion Energy
 Commonwealth Edison Company
 PJM Interconnection, LLC
 PJM Interconnection, LLC
 Consolidated Edison Solutions, Inc.
 DTE Energy Trading, Inc.
 Invenergy, LLC
 PJM Interconnection, LLC
 Hydro-Quebec
 PJM Interconnection, LLC
 BioUrja Power, LLC
 Suffolk Fund LLC
 CCS Energy
 SESCO Enterprises LLC
 Southern Maryland Electric Cooperative
 Macquarie Energy
 Customized Energy Solutions, Ltd.*
 PJM Interconnection, LLC
 PJM Interconnection, LLC
 H.Q. Energy Services (U.S.), Inc.
 The Federal Energy Regulatory Commission
 Public Service Electric & Gas Company
 Duke Energy
 PJM Interconnection, LLC
 Duke Energy Carolinas, LLC
 ABB
 XO Energy MA
 Talen Energy Marketing, LLC
 PJM Interconnection, LLC
 PJM Interconnection, LLC
 FirstEnergy Solutions Corp.
 Dominion Virginia Power
 Madison Gas & Electric Co.
 PJM Interconnection, LLC

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