

Market Implementation Committee
PJM Conference & Training Center, Audubon, PA
March 8, 2017
9:00 a.m. – 2:00 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 February 8, 2017 Market Implementation Committee meeting by acclamation with 0 objections and 0 abstentions.
3. Ms. Christina Stotesbury, PJM, reviewed the active MIC issues on [Issue Tracking](#)

Endorsements/Approvals

4. **Annual Revenue Requirements for new Black Start Units – Phase 2**
Mr. Tom Hauske, PJM, reviewed an amended problem statement and issue charge to address Minimum Tank Suction Level (MTSL) costs as part of a Phase 2 discussion for the Annual Revenue Requirements for new Black Start units. **The committee approved the amended problem statement and issue charge by acclamation with 11 objections and 1 abstention.**

Working Issues

5. **Annual Revenue Requirements for new Black Start Units**
 - A. Mr. Tom Hauske, PJM, continued the discussion on Annual Revenue Requirements for new Black Start units as part of Phase 1 and presented the solution packages for consideration. The committee agreed to consider this discussion a first read of packages, and will be asked to endorse a package at the April MIC meeting.
 - B. Dr. Joe Bowring, Monitoring Analytics, was available for questions related to the Minimum Tank Suction Level costs as part of the Phase 2 discussion on this topic.
[Issue tracking: Annual Revenue Requirements for new Black Start Units](#)
6. **Spot-in Transmission Service for Energy Imports from NYISO**
Mr. Chris Pacella, PJM, reviewed the package proposals previously presented. Mr. Joe Wadsworth, Vitol, removed package A given the inability to sufficiently quantify the impact to stakeholders. It was suggested by Vitol, PJM, and the IMM that a broader discussion about seams issues may be appropriate. The committee agreed to consider this discussion a first read of Package B, and will be asked to endorse this package at the April MIC meeting.
[Issue Tracking: Spot-in Transmission Service for Energy Imports from NYISO](#)

Additional Updates

7. Fuel Cost Policy FAQ's and Transition Process

- A. Mr. Jeff Schmitt, PJM, provided an update on the new approval process for Fuel Cost Policies, and the communication and transition period to have all policies approved by May 15.
- B. Dr. Catherine Tyler Mooney, Monitoring Analytics, reviewed proposed edits to Manual 15 as part of the Fuel Cost Policy discussion.

8. NOPR: Uplift Cost Allocation & Transparency

Ms. Rebecca Stadelmeyer, PJM, provided an update on the FERC Notice of Proposed Rulemaking addressing Uplift Cost Allocation and Transparency.

9. NOPR: Fast Start Resources

Ms. Lisa Morelli, PJM, provided an update on PJM's response to the FERC Notice of Proposed Rulemaking addressing pricing for Fast Start Resources.

10. Yorktown Pricing Interface

Mr. Chris Callaghan, PJM, provided an update on the new [Yorktown Pricing Interface](#) that becomes effective on April 1, 2017.

11. SPS Removal

Mr. Paul Santarelli, PPL, provided an update on the removal of the Jenkins Special Protection Scheme.

12. FTR Auction Results

Mr. Asanga Perera, PJM, provided an update on the reasons for the delay posting results for the March 2017 FTR Auction. Mr. Perera will provide more detail in a future MIC meeting.

13. FTR Forfeiture Update

Mr. Asanga Perera, PJM, provided an update on the FERC Order, [Docket No. EL14-37-00](#) to adopt a portfolio approach that evaluates the net effect of a participant's entire virtual portfolio (including INCs, DEC and UTCs) to more accurately account for, and calculate FTR forfeitures.

14. FTR/ARR Order

- A. Mr. Brian Chmielewski, PJM, provided an update on the recent FERC Order impacting the annual ARR/FTR process.
- B. Mr. Ray Fernandez, PJM, provided an update on settlement impacts of the FTR Congestion issue.

15. MSS – Pseudo-tied Generators and Dynamic Schedules Meter Correction Proposal

Mr. Ray Fernandez, PJM, provided an update on the Pseudo-tied Generators and Dynamic Schedules Meter Correction proposal that stakeholders agreed to at the February Markets Settlements Subcommittee meeting. Conforming manual language will be presented for a first read at the April MIC.

16. Inter-Regional Coordination

Mr. Tim Horger, PJM, provided an update on Inter-Regional Coordination activity.

Informational Section

Transmission Constraint Control Logic Paper

A paper describing the logic used in PJM's market clearing engines to control transmission constraints and the impact of transmission constraint penalty factors on constraint shadow prices has been posted. This is a follow-up to the [presentation](#) on transmission constraint penalty factors at the October 26, 2016 MIC Special Session. Ms. Lisa Morelli, PJM, was available in-person to answer questions and will provide an update on this paper at the April MIC. It was requested a more detailed review of this paper be conducted at a future MIC meeting.

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

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| 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

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|-----------------------------------|--|----------------------|
| Hendrzak, Chantal (Chair) | PJM Interconnection, LLC | Not Applicable |
| Stotesbury, Christina (Secretary) | PJM Interconnection, LLC | Not Applicable |
| Benчек, Jim | FirstEnergy Solutions Corp. | Transmission Owner |
| Bleiweis, Bruce | DC Energy LLC | Other Supplier |
| Britt, Debbie | North Carolina Electric Membership Corporation | Electric Distributor |
| Davis, James | Dominion Energy Marketing, Inc. | Generation 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 |
| Guerry, Katie | EnerNOC, Inc. | Other Supplier |
| Hudis, Gabriella | Jersey Green Energy LLC | Other Supplier |
| Johnson, Carl | Customized Energy Solutions, Ltd.* | Not Applicable |
| Kogut, George | New York Power Authority | Other Supplier |
| Lieberman, Steven | American Municipal Power, Inc. | Electric Distributor |

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| Currier, Jeff | Dominion Virginia Power | Not Applicable |
| Dasher, Brett | Energy Authority, Inc. (The) | Other Supplier |
| DeLosa, Joseph | DE Public Service Commission | Not Applicable |
| Depillo, Raymond | PSEG Energy Resources and Trade LLC | Other Supplier |
| Dessender, Harry | Customized Energy Solutions, Ltd.* | Not Applicable |
| Dickson, Douglas | New Jersey Board of Public Utilities | Not Applicable |
| Dillon, Matt | UGI Energy Services, LLC | Other Supplier |
| DiNicola, Laura | FirstEnergy Solutions Corp. | Transmission Owner |
| Domian, Christin | Mitsubishi Electric Power Products Inc. | Not Applicable |
| Dugan, Chuck | East Kentucky Power Cooperative, Inc. | Transmission Owner |
| Egan, Amanda | PJM Interconnection, LLC | Not Applicable |
| Endress, Eric | PJM Interconnection, LLC | Not Applicable |
| Fan, Zhenyu | PJM Interconnection, LLC | Not Applicable |
| Farber, John | DE Public Service Commission | Not Applicable |
| Feierabend, Rick | Dominion Virginia Power | Not Applicable |
| Fitzgerald, Evan | North Carolina Electric Membership Corporation | Electric Distributor |
| Franks, Christine | 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 |
| Gilani, Rehan | ConEdison Energy, Inc. | Other Supplier |
| Gorman, Kevin | The Highlands Energy Group, LLC | Other Supplier |
| Greening, Michele | PPL Electric Utilities Corp. dba PPL Utilities | Transmission Owner |
| Griffiths, Dan | Pennsylvania Office of Consumer Advocate | End Use Customer |
| Hagaman, Derek | GT Energy | Not Applicable |
| Halay, Alina | The Federal Energy Regulatory Commission | Not Applicable |
| Hanser, Erik | Michigan Public Service Commission | Not Applicable |
| Harmon, Michael | Union Electric Company d/b/a Ameren Missouri | Other Supplier |
| Hastings, David | Dhast Co | Not Applicable |
| Haynes, Greg | Energy Authority, Inc. (The) | Other Supplier |
| Heise, Randi | Dominion Virginia Power | Not Applicable |
| Hepplewhite, Peter | DC Energy East, LLC | Other Supplier |
| Hoatson, Tom | Riverside Generating, LLC | Other Supplier |
| Horstmann, John | Dayton Power & Light Company (The) | Transmission Owner |
| Hsia, Eric | PJM Interconnection, LLC | Not Applicable |
| Hyzinski, Tom | Talen Energy Marketing, LLC | Generation Owner |
| Jablonski, James | Borough of Butler, Butler Electric Division | Electric Distributor |
| Janicki, Diane | Boston Energy Trading & Marketing, LLC | Generation Owner |
| Jardot, Gina | Essential Power, LLC | Generation Owner |
| Jett, William | Duke Energy Business Services LLC | Generation Owner |
| Kaczanowski, Marek | Baltimore Gas and Electric Company | Transmission Owner |
| Kalita, Hemajit | Denver Energy, LLC | Other Supplier |
| Kimmel, David | PJM Interconnection, LLC | Not Applicable |
| Kingston, Amber | Aces Power Marketing | Not Applicable |
| Kliner, Alicia | The Federal Energy Regulatory Commission | Not Applicable |
| Knies, Heather | EDF Trading North America, LLC | Other Supplier |
| Kormos, Mike | Exelon Generation Co., LLC | Generation Owner |
| Kuhn, Tyler | DC Energy, LLC | Other Supplier |
| Langbein, Peter | PJM Interconnection, LLC | Not Applicable |
| Lange, Nathan | VECO Power Trading, LLC | Other Supplier |
| 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 |
| Lin, Jeremy | PJM Interconnection, LLC | Not Applicable |
| Logan, Sharon | The Federal Energy Regulatory Commission | Not Applicable |
| Lowe, Connie | Virginia Electric & Power Company | Transmission Owner |
| Manion, Evelyn | PJM Interconnection, LLC | Not Applicable |
| Mariam, Yohannes | Office of the Peoples Counsel for the District of Columbia | End User Customer |

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| Markiewicz, Cindy | FirstEnergy Solutions Corp. | Transmission Owner |
| Martin, Valerie | The Federal Energy Regulatory Commission | Not Applicable |
| Marton, David | FirstEnergy Solutions Corp. | Transmission Owner |
| Matzen, Jeff | Dominion Energy Marketing, Inc. | Generation Owner |
| McAdams, Julius | Red Wolf Energy Trading, LLC | Other Supplier |
| Metzler, Jakob | Castleton Commodities Merchant Trading L.P. | Other Supplier |
| Miller, John | Commonwealth Edison Company | Transmission Owner |
| Mok, Alan | Duke Energy Business Services LLC | Transmission Owner |
| Olaleye, Michael | PJM Interconnection, LLC | Not Applicable |
| Olenick, Cory | West Oaks Energy, LP | Other Supplier |
| Olinger, Robert | Keystone Projects | Not Applicable |
| Pakela, Greg | DTE Energy Trading, Inc. | Other Supplier |
| Patel, Keyurbhai | PJM Interconnection, LLC | Not Applicable |
| Phillips, Amanda | Wabash Valley Power Association, Inc. | Electric Distributor |
| Price, Mark | DC Energy Mid-Atlantic, LLC | Other Supplier |
| Price, Ruth | Delaware Public Service Commission | Not Applicable |
| Rajan, Abhijit | Dominion Resources | Not Applicable |
| Rajan, Abhijit | Virginia Electric & Power Company | Transmission Owner |
| Ramsey, James | Suffolk Fund LLC | Other Supplier |
| Rayhorn, Carolyn | Dominion Virginia Power | Not Applicable |
| Reeping, Bob | Ohio Edison Company | Transmission Owner |
| Renda, Michael | VECO Power Trading, LLC | Other Supplier |
| Riehl, John | The Federal Energy Regulatory Commission | Not Applicable |
| Robson, Matt | SESCO Enterprises LLC | Other Supplier |
| Rohrbach, John | Southern Maryland Electric Cooperative | Electric Distributor |
| Ruck, Andrew | PSEG Energy Resources and Trade, LLC | Other Supplier |
| Rutigliano, Tom | Achieving Equilibrium LLC | Other Supplier |
| Saini, Ishwar | Macquarie Energy LLC | Other Supplier |
| Santarelli, Paul | PPL Electric Utilities Corporation d/b/a PPL Utilities | Transmission Owner |
| Schneider, Jon | FirstEnergy Solutions Corp. | Transmission Owner |
| Schreim, Morris | Maryland Public Service Commission | Not Applicable |
| Schuyler, Ken | PJM Interconnection, LLC | Not Applicable |
| Shah, Vijay | PJM Interconnection, LLC | Not Applicable |
| Shanker, Roy | H.Q. Energy Services (U.S.), Inc. | Other Supplier |
| Sock, Bryan | Public Service Electric & Gas Company | Transmission Owner |
| Stern, Alex | Public Service Electric & Gas Company | Transmission Owner |
| Sundar, Shivram | Denver Energy, LLC | Other Supplier |
| Tangirala, Subha | ABB | Not Applicable |
| Thompson, Matthew | XO Energy MA, L.P. | Other Supplier |
| Thomson, Heather | Mid-Atlantic Renewable Energy | Not Applicable |
| Ward, Michael | PJM Interconnection, LLC | Not Applicable |
| Warner-Freeman, Jennifer | PJM Interconnection, LLC | Not Applicable |
| Watson, Mark | S P Global | Not Applicable |
| Weiss, Glenn | PJM Interconnection, LLC | Not Applicable |
| Wilhite, Chad | FirstEnergy Solutions Corp. | Transmission Owner |
| Williams, Amber | New York State Electric & Gas Corporation | Other Supplier |
| Wilmoth, Emily | Dominion Virginia Power | Not Applicable |
| Yu, Joel | Rockland Electric Company | Transmission Owner |

Author: Christina Stotesbury

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