

Market Implementation Committee
PJM Conference & Training Center, Audubon, PA
June 7, 2017
9:00 a.m. – 4:15 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. The committee approved the draft minutes from the May 3, 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](#). Direct links the issues being worked in MIC Special Sessions are now available on the [MIC page](#).
4. Administrative Updates:
 - A. Mr. Thomas Zadlo, PJM, provided a brief update on data posting impacts associated with Data Miner 2.
 - B. Mr. Eric Hsia, PJM, provided a brief update on the Reg D control change analysis. Stakeholders requested additional analysis on this topic to be provided at a future meeting.

A stakeholder also requested an update on Order 825 - Shortage Pricing to be presented at the July MIC.

Endorsements/Approvals

5. **Energy Efficiency Participation in Capacity Markets – Problem Statement and Issue Charge**
 - A. Ms. Denise Foster, PJM, will present a problem statement and issue charge that addresses state restrictions on energy efficiency resources participating in capacity markets.
 - B. Mr. Rick Drom, Eckert Seamans Cherin & Mellot, LLC, presented concerns with the proposed problem statement and issue charge on behalf of the Advanced Energy Economy (AEE).
Mr. Bruce Campbell, EnergyConnect, Inc., (OR C Power) motioned to defer the vote on the Problem Statement until the jurisdiction issues are addressed, or January 1, 2018. Mr. Tom Rutigliano, ACHVEQ, seconded the motion. This motion failed by 59%.
While there was discussion around amending the Issue Charge, the **Committee moved forward with voting the original problem statement and issue charge, which was approved with 85 in favor (51%), 81 opposed (49%) and 14 abstentions.**
6. **Demand Response Open Registration Window**

Mr. Pete Langbein, PJM, reviewed the proposed solution packages to address the DR Open Registration Window issue. **The committee did not endorse any of the packages.**

Package A failed with 47 in favor (32%), 100 opposed (68%) and 22 abstentions.

Package B failed with 40 in favor (33%), 81 opposed (67%) and 19 abstentions.

Package C failed with 10 in favor (8%), 116 opposed (92%) and 19 abstentions.

7. Price Responsive Demand Problem Statement and Issue Charge

Mr. Pete Langbein, PJM, reviewed a problem statement and issue charge that addresses Price Responsive Demand. A friendly amendment to the Issue Charge to remove Key Work Activity #2 was accepted. The updated Issue Charge is posted with the June MIC materials.

The committee approved the problem statement and issue charge by acclamation with 0 objections and 1 abstention.

8. FTR Balancing Congestion and Manual 28 Revisions

Mr. Ray Fernandez, PJM, reviewed Manual 28: Operating Agreement Accounting revisions associated with FTR Balancing Congestion.

The committee approved the Manual 28 revisions by acclamation with 0 objections and 0 abstentions.

9. FTR Surplus Funds – Problem Statement and Issue Charge

Mr. Jeff Whitehead, Direct Energy, reviewed an updated problem statement and issue charge that addresses Day Ahead Surplus Congestion Funds and FTR Auction Revenue Surplus Funds. A friendly amendment to the Issue Charge Key Work Activity #2 to change “appropriate” to “alternate” was accepted. The updated Issue Charge is posted with the June MIC materials.

The committee approved the problem statement and issue charge by acclamation with 1 objection and 1 abstention.

10. Default Liquidation Provisions – Problem Statement and Issue Charge

Ms. Laura Walter, PJM, reviewed a problem statement and issue charge related to default liquidation with a net gain and provisions for liquidating RPM positions. A minor amendment to the Issue Charge to assign this issue to the Credit Subcommittee was accepted. The updated Issue Charge is posted with the June MIC materials.

The committee approved the problem statement and issue charge by acclamation 0 objections and 0 abstentions.

11. FTR Auction Posting Delay – Problem Statement and Issue Charge

Mr. Asanga Perera, PJM, reviewed an updated problem statement and issue charge related to delayed FTR Auction postings. To accommodate stakeholder requests to broaden the discussion on this issue, the original problem statement and issue charge was brought back and voted for approval.

The committee approved the original problem statement and issue charge by acclamation with 0 objections and 0 abstentions.

Working Issues

12. Annual Revenue Requirements for new Black Start Units – Phase 2

A. Mr. Tom Hauske, PJM, presented education on Minimum Tank Suction Levels (MTSL) as part of Phase 2 for the Annual Revenue Requirements for new Black Start units.

B. Dr. Joseph Bowring, Monitoring Analytics, presented additional MTSL education on behalf of the IMM.

First Readings

13. **Manual Revisions for Capacity Performance & Performance Assessment Hours**

Ms. Rebecca Stadelmeyer, PJM, presented a first read of revisions to Manual 11: Energy & Ancillary Services, and Manual 18: PJM Capacity Market, for revisions associated with Capacity Performance Shortfall and Bonus MW calculations. The committee will be asked to endorse the manual revisions at the July MIC meeting.

14. **Manual Revisions for Intraday Offers**

Ms. Lisa Morelli, PJM, presented a first read of conforming revisions to Manual 11: Energy & Ancillary Services, associated with the implementation of Intraday Offers. The committee will be asked to endorse the manual revisions at the July MIC meeting.

15. **Governing Document Revisions to the Limitation on Claims**

Mr. Steven Shparber, PJM, presented Tariff and Operating Agreement revisions related to the Limitation on Claims. The committee will be asked to endorse the Tariff revisions at the July MIC meeting.

Additional Updates

16. **Fuel Cost Policy Annual Review Process Update**

- A. Mr. Jeff Schmitt, PJM, provided an update on the Annual Review period, and deadline to confirm all Market Seller's Fuel Cost Policies are still applicable, or submit an updated Fuel Cost Policy for review by June 15. Emission and VOM sample calculations must be submitted as part of the Annual Review by August 1, 2017.
- B. Dr. Joseph Bowring, Monitoring Analytics, provided an update on Fuel Cost Policies and a new MIRA module.

17. **Order 831: Offer Cap Update**

Ms. Alpa Jani, PJM, provided an update on timelines and implementation details supporting Order 831.

18. **2017/2018 ARR/FTR Market Results and Projections**

Mr. Asanga Perera, PJM, provided an update on the 2017/2018 ARR/FTR Market results and projections.

19. **PJM Markets Certification Training**

Ms. Rebecca Gerber, PJM, provided an update on a voluntary PJM Markets Certification Program offered by State and Member Training.

20. **Inter-Regional Coordination Activity**

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

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

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

Hendrzak, Chantal	PJM Interconnection, LLC	Not Applicable
Stotesbury, Christina	PJM Interconnection, LLC	Not Applicable
Benчек, Jim	FirstEnergy Solutions Corp.	Transmission Owner
Bleiweis, Bruce	DC Energy LLC	Other Supplier
Brodbeck, John	EDP Renewables North America, LLC	Other Supplier
Dillon, Matthew	UGI Development Company	Generation Owner
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Filomena, Guy	Customized Energy Solutions, Ltd.*	Not Applicable
Greiner, Gary	PSEG Energy Resources and Trade LLC	Other Supplier
Guerry, Katie	EnerNOC, Inc.	Other Supplier
Horstmann, John	Dayton Power & Light Company (The)	Transmission Owner
Jablonski, James	Borough of Butler, Butler Electric Division	Electric Distributor
Jardot, Gina	Essential Power Rock Springs, LLC	Transmission Owner
Johnson, Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Kauffman, Brian	NRG Curtailment Solutions	Other Supplier
Kilgallen, Kevin	Avangrid Renewables LLC	Generation Owner
Kogut, George	New York Power Authority	Other Supplier
Midgley, Sharon	Exelon Business Services Company, LLC	Transmission Owner
Rutigliano, Tom	Achieving Equilibrium LLC	Other Supplier
Sasser, Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Scarpignato, David	Calpine Energy Services, L.P.	Generation Owner
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, Mike	Gable and Associates	Not Applicable
Bowring, Joe	Monitoring Analytics, LLC	Not Applicable
Campbell, Bruce	CPower Corp	Not Applicable
Carroll, Rebecca	PJM Interconnection, LLC	Not Applicable

Dirani, Rami	PJM Interconnection, LLC	Not Applicable
Drom, Richard	Eckert Seamans	Not Applicable
Egan, Amanda	PJM Interconnection, LLC	Not Applicable
Fernandez, Ray	PJM Interconnection, LLC	Not Applicable
Foladare, Kenneth	Tangibl LLC	Not Applicable
Foster, Denise	PJM Interconnection, LLC	Not Applicable
Fuess, Jay	White Pine Energy Consulting	Not Applicable
Gerber, Rebecca	PJM Interconnection, LLC	Not Applicable
Hauske, Thomas	PJM Interconnection, LLC	Not Applicable
Horger, Tim	PJM Interconnection, LLC	Not Applicable
Hsia, Eric	PJM Interconnection, LLC	Not Applicable
Hyzinski, Tom	GT Power Group	Not Applicable
Jani, Alpa	PJM Interconnection, LLC	Not Applicable
Kenney, Susan	PJM Interconnection, LLC	Not Applicable
Langbein, Peter	PJM Interconnection, LLC	Not Applicable
Loomis, Harold	PJM Interconnection, LLC	Not Applicable
Mabry, David	McNees Wallace & Nurick LLC	Not Applicable
Marzewski, Skyler	Monitoring Analytics, LLC	Not Applicable
McGlynn, Paul	PJM Interconnection, LLC	Not Applicable
Mooney, Catherine	Monitoring Analytics, LLC	Not Applicable
Morelli, Lisa	PJM Interconnection, LLC	Not Applicable
Perera, Asanga	PJM Interconnection, LLC	Not Applicable
Pilong, Chris	PJM Interconnection, LLC	Not Applicable
Poulos, Greg	CAPS	Not Applicable
Pratzon, David	GT Power Group	Not Applicable
Schmitt, Jeffrey	PJM Interconnection, LLC	Not Applicable
Shparber, Steven	PJM Interconnection, LLC	Not Applicable
Stadlmeyer, Rebecca	PJM Interconnection, LLC	Not Applicable
Stewart, Travis	Gable and Associates	Not Applicable
Sweeney, Rory	RTO Insider	Not Applicable
Swigonski, Frank	Advanced Energy Economy Inc	Not Applicable
Tribulski, Jennifer	PJM Interconnection, LLC	Not Applicable
Walter, Laura	PJM Interconnection, LLC	Not Applicable
Zadlo, Thomas	PJM Interconnection, LLC	Not Applicable

In Attendance via WebEx / Teleconference

Ainspan, Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Atkins, Blain	Duke Energy Business Services LLC	Transmission Owner
Austin, Larry	PJM Interconnection, LLC	Not Applicable
Bazar, Kevin	PJM Interconnection, LLC	Not Applicable
Bentele, Matt	Eastern Generation, LLC	Generation Owner
Bhavaraju, Murty	PJM Interconnection, LLC	Not Applicable
Bolan, Martin	FirstEnergy Solutions Corp.	Transmission Owner
Britt, Debbie	North Carolina Electric Membership Corporation	Electric Distributor
Brown, Rich	PJM Interconnection, LLC	Not Applicable
Budney, Dave	PJM Interconnection, LLC	Not Applicable
Carmean, Gregory	OPSI	Not Applicable
Chao, Hung-po	PJM Interconnection, LLC	Not Applicable
Chen, Jennifer	Natural Resources Defense Council	Not Applicable
Chocarro Aguirrebengoa, Iker	E.ON Climate & Renewables North America, Inc.	Generation Owner
Cocco, Michael	Old Dominion Electric Cooperative	Electric Distributor
Coyne, Suzanne	PJM Interconnection, LLC	Not Applicable
Crews, David	East Kentucky Power Cooperative, Inc.	Transmission Owner
Croop, Danielle	PJM Interconnection, LLC	Not Applicable
Crystle, Gil	UGI Utilities, Inc.	Transmission Owner
Cummings, Bridgid	PJM Interconnection, LLC	Not Applicable
Currier, Jeff	Dominion Virginia Power	Not Applicable
Daugherty, Suzanne	PJM Interconnection, LLC	Not Applicable

Davis, James	Dominion Energy Marketing, Inc.	Generation Owner
DeLosa, Joseph	DE Public Service Commission	Not Applicable
Dickson, Douglas	New Jersey Board of Public Utilities	Not Applicable
Dillon, Matt	UGI Utilities, Inc.	Transmission Owner
DiNicola, Laura	FirstEnergy Solutions Corp	Transmission Owner
Domian, Christin	Mitsubishi Electric Power Products Inc.	Not Applicable
Ellen Driscoll, Mary	PJM Interconnection, LLC	Not Applicable
Esposito, Pati	TransCanada Power Marketing Ltd.	Other Supplier
Evrard, David	Pennsylvania Office of Consumer Advocate	End-use Customer
Falin, Tom	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
Fitch, Neal	NRG Power Marketing, LLC	Generation Owner
Foster, Dana	PGI	Not Applicable
Fox, Angela	Wylan Energy, L.L.C.	Not Applicable
Gagen, Roderick	Dominion Virginia Power	Not Applicable
Garnett, Bryan	Duke Energy Ohio, Inc.	Transmission Owner
Gebolys, Debbie	Public Utilities Commission of Ohio (The)	Not Applicable
Genuario, Gabby	PJM Interconnection, LLC	Not Applicable
Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Godson, Gloria	Exelon/Peppo	Electric Distributor
Gorman, Kevin	Highlands Energy Group LLC (The)	Other Supplier
Hagaman, Derek	GT Power Group	Not Applicable
Hanser, Erik	Michigan Public Service Commission	Not Applicable
Hastings, David	Dhastco	Not Applicable
Hayik, Seth	Monitoring Analytics, LLC	Not Applicable
Haynes, Gregory	Energy Authority, Inc. (The)	Other Supplier
Heisey, Bradley	Tenaska Power Services Co.	Generation Owner
Helm, Gary	PJM Interconnection, LLC	Not Applicable
Helms, Joseph	Rainbow Energy Marketing Corporation	Other Supplier
Higgins, Sharon	Duke Energy Commercial Asset Management, Inc.	Generation Owner
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
Hyzinski, Tom	GT Power Group	Not Applicable
Janicki, Diane	Boston Energy Trading & Marketing, LLC	Generation Owner
Johnston, Dave	Indiana Utility Regulatory Commission	Not Applicable
Kaczanowski, Marek	Baltimore Gas and Electric Company	Transmission Owner
Karrasch, Kim	Interstate Gas Supply, Inc.	Other Supplier
Keech, Todd	PJM Interconnection, LLC	Not Applicable
Kelly, Kyo	Southern Company Services, Inc. as agent for Alabama Power Co.	Other Supplier
Kenney, Susan	PJM Interconnection, LLC	Not Applicable
Keshavamurthy, Bhavana	PJM Interconnection, LLC	Not Applicable
Kimmel, David	PJM Interconnection, LLC	Not Applicable
Kraemer, Neil	XO Energy MA, L.P.	Other Supplier
Kuhn, Tyler	DC Energy, LLC	Other Supplier
LaRocque, Matthew	PJM Interconnection, LLC	Not Applicable
Leasure, Jill	Keystone Projects	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
Logan, Sharon	The Federal Energy Regulatory Commission	Not Applicable
Long, Matt	AEP Energy Partners, Inc.	Other Supplier
Lowe, Connie	Dominion Virginia Power	Not Applicable
Mancus, Melanie	Allegheny Energy Supply Company, L.L.C.	Transmission Owner
Manning, James	North Carolina Electric Membership Corporation	Electric Distributor

Mariam, Yohannes
 Martin, Valeria
 Marzewski, Skyler
 Matzen, Jeff
 McDaniel, John
 McEachern, Ben
 Midgley, Sharon
 Mihaly, Imola
 Miller, John
 Mork, Robb
 O'Connell, Robert
 Olenick, Cory
 Ondayko, Brock
 O'Neill, Jack
 Pakela, Gregory
 Patel, Keyur
 Patten, Kevin
 Peoples, John
 Picarelli, David
 Pilon, Melissa
 Poprocki, Jim
 Powers, Sean
 Price, Mark
 Rajan, Abhijit
 Ramsey, James
 Reeping, Bob
 Riehl, John
 Robins, Pip
 Rohrbach, John
 Rothey, Kristin
 Sasser, Jonathan
 Schmatz, Peter
 Schneider, Jon
 Schum, Alice
 Schuyler, Ken
 Scoglietti, Barbara
 Seelaus, Andy
 Seelaus, Tim
 Shanker, Roy
 Shannon, Gary
 Sitarchyk, Mike
 Stroup, Kerry
 Tangirala, Subha
 Thompson, Matthew
 Tsao, Stephanie
 Vayda, Brian
 Velasco, Cheryl Mae
 Ward, Mike
 Warner-Freeman, Jennifer
 Warshel, Kim
 Wassil, Paul
 Wicks, Tonja
 Wilmoth, Emily
 Wilson, James
 Wong, Bryant
 Yu, Joel

Office of the Peoples Counsel for the District of Columbia
 Federal Energy Regulatory Commission (The)
 Monitoring Analytics, LLC
 Dominion Energy Generation Marketing, Inc.
 Baltimore Gas and Electric Company
 ley Battery Utility, LLC
 sharon.midgley@exeloncorp.com
 Cogentrix Energy Power Management, LLC
 Commonwealth Edison Company
 Indiana Office of Utility Consumer Counselor (IN OUCC)
 Main Line Electricity Market Consultants, LLC
 Inertia Power I, LLC
 Appalachain Power Company
 PJM Interconnection, LLC
 DTE Energy Trading, Inc.
 PJM Interconnection, LLC
 Appalachain Power Company
 Duquesne Light Company
 PJM Interconnection, LLC
 PJM Interconnection, LLC
 Interstate Gas Supply, Inc.
 Linde Energy Services, Inc.
 DC Energy Mid-Atlantic, LLC
 Dominion Resources
 Suffolk Fund LLC
 Ohio Edison Company
 Federal Energy Regulatory Commission (The)
 EMC Development Company, Inc.
 Southern Maryland Electric Cooperative
 American Municipal Power, Inc.
 Customized Energy Solutions Ltd*
 PSEG Energy Resources and Trade LLC
 FirstEnergy Solutions Corp.
 Illinois Municipal Electric Agency
 PJM Interconnection, LLC
 Tangent Energy Solutions, Inc.
 EMC Development Company, Inc.
 EMC Development Company, Inc.
 H.Q. Energy Services (U.S.), Inc.
 Appalachian Power Company
 PJM Interconnection, LLC
 PJM Interconnection, LLC
 ABB
 XO Energy MA, L.P.
 SPGlobal
 Vineland Municipal Electric Utility
 PJM Interconnection, LLC
 PJM Interconnection, LLC
 PJM Interconnection, LLC
 PJM Interconnection, LLC
 Cogentrix Energy Power Management, LLC
 Duquesne Light Company
 Dominion Virginia Power
 Wilson Energy Economics
 EDP Renewables North America, LLC
 Rockland Electric Company

End User Customer
 Not Applicable
 Not Applicable
 Generation Owner
 Transmission Owner
 Other Supplier
 Transmission Owner
 Generation Owner
 Transmission Owner
 End-use Customer
 Not Applicable
 Other Supplier
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Author: Christina Stotesbury

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