

Market Implementation Committee
PJM Conference & Training Center, Audubon, PA
June 8, 2016
9:30 a.m. – 4:00 p.m. EPT

Administration

1. Ms. Chantal Hendrzak, PJM, and Ms. Christina Stotesbury, PJM, provided administrative announcements and reviewed the Antitrust, Code of Conduct, and Public Meetings/Media Participation Guidelines.

Ms. Christina Stotesbury, PJM, notified the committee that as part of the data confidentiality rule changes implemented in late March, daily zonal uplift credits are posted monthly. This information can be found on the Energy Market web page or by using the data directory on the PJM home page.

Mr. Sean McNamara, PJM, provided a brief update on Markets Gateway regarding recent extensions of the Day-Ahead Market.

2. Minutes from the May 11, 2016 Market Implementation Committee meeting were approved by acclamation with 0 objections and 0 abstentions.
3. Ms. Christina Stotesbury, PJM, reviewed the active MIC issues on [Issue Tracking](#).

Endorsements/Approvals

4. **Biennial Review for Manual 15 – Cost Development Guidelines**

Mr. Edward Tatum, American Municipal Power, offered a motion to continue working this item in a separate forum, with a limited scope to include: Manual 15 – Cost Development Guidelines biennial review changes and the process for developing and finalizing Fuel Cost Policies. This motion was seconded by Mr. Dave Pratzon, GT Power Group.

The committee endorsed this motion with 0 objections and 1 abstention.

Mr. Keyur Patel, PJM, reviewed changes to Manual 15 – Cost Development Guidelines as part of the periodic review process. Dr. Catherine Tyler Mooney, Monitoring Analytics, presented a response to the proposed Manual 15 changes.

A Special Session of the MIC – Manual 15 Discussion is scheduled for Wednesday, June 29, 9:00 a.m. – 12:00 p.m.

5. **Periodic Review for Manual 28 – Operating Agreement Accounting**

Mr. Ray Fernandez, PJM, presented changes to Manual 28 – Operating Agreement Accounting as part of the periodic review process.

The Committee endorsed these changes by acclamation with 0 objections and 0 abstentions.

6. **PLS Exception Process**

Mr. Tong Zhao, PJM, presented a PLS Exception process proposal for consideration.

The Committee endorsed this proposal with 0 objections and 2 abstentions.

[Issue Tracking: Parameter Limited Schedule Exception Process](#)

7. **Open Registration for Demand Response Problem Statement and Issue Charge**

Mr. Bruce Campbell, CPower, presented a problem statement and issue charge concerning the registration submission deadline for Demand Response resources.

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

8. **Residual ARR Enhancements Problem Statement and Issue Charge**

Ms. Sharon Midgley, Exelon, and Mr. Jeff Whitehead, Direct Energy, presented a problem statement and issue charge to discuss potential enhancements to the Residual Auction Revenue Rights (ARR) process.

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

First Readings

9. **Manual 11 – Day-Ahead Scheduling Reserve**

Mr. Keyur Patel, PJM, reviewed changes to Manual 11 – Energy & Ancillary Services Market Operations for the Day-Ahead Scheduling Reserve (DASR). The committee will be asked to endorse these changes at the July MIC meeting.

[Issue Tracking: Day-Ahead Scheduling Reserve](#)

10. **Periodic Review for Manual 29 – Billing**

Mr. Dave Budney, PJM, will review changes to Manual 29 – Billing as part of the periodic review process. The committee will be asked to endorse these changes at the July MIC meeting.

11. **Auction Specific Bilateral Transactions**

Ms. Jen Tribulski, PJM, presented PJM's proposed solution on Auction Specific Bilateral Transactions. The committee will be asked to endorse these changes at the July MIC meeting.

[Issue Tracking: Auction Specific Bilateral Transactions](#)

A Special Session of the MIC – Auction Specific Bilateral Transactions (Conference Call) has been scheduled for Friday, June 24, 11:00 a.m. – 12:00 p.m.

12. **Annual Revenue Requirements for new Black Start Units**

Mr. Tom Hauske, PJM, reviewed a problem statement and issue charge associated with determining Annual Revenue Requirements for new Black Start Units. The committee will be asked to approve this problem statement and issue charge at the July MIC meeting.

Informational Updates

13. Tech Change Forum

Mr. Jim Gluck, PJM, provided an overview of the Tech Change Forum. This forum will coordinate, consolidate and share information about our systems and planned outages.

14. MOD-032 Planning Center Tool

Mr. Jonathan Thompson, PJM, provided an update on the MOD-032 Planning Center tool which has a NERC deadline of July 31, 2016.

15. Clover SPS Modification

Mr. Craig Crider, Dominion Virginia Power, provided an update on the modification to the Clover Special Protection Scheme.

16. Inter-Regional Coordination Activity

Mr. Asanga Perera, PJM, provided an update on inter-regional coordination efforts. Further discussion on the Con-Ed Wheel will be provided at future committee meetings.

17. Manual 14D Changes – Generator Operational Requirements

Mr. David Schweizer, PJM, reviewed recent changes to Manual 14D: Generator Operational Requirements regarding clarifications to Attachment L.

18. Cost Development Guidelines

Mr. Joel Romero Luna, Monitoring Analytics, presented a Natural Gas Fuel Policy template on behalf of the IMM for discussion within the committee.

Working Issues

19. Operating Parameter Discussion

Mr. Tom Hauske, PJM, continued the discussion around un-nesting Operating Parameter definitions in Manuals 11, 15 and 28. Stakeholders continued discussions on design components and solution options. Stakeholders asked to review and be prepared to further develop solution options at the next MIC.

[Issue Tracking: Operating Parameter Definitions](#)

20. Release of Capacity in 17/18 Delivery Year 3rd Incremental Auction

Mr. Jeff Bastian, PJM, conducted a brief discussion due to the MIC schedule running long, in response to the reporting directive in FERC Docket ER16-532 concerning the release of annual capacity in the 2017/2018 Delivery Year 3rd Incremental Auction related to excess capacity procured in the Capacity Performance Transition Incremental Auction. During the next MIC, working issues will be moved toward the beginning of the agenda to ensure sufficient time and stakeholder participation.

21. Spot-in Transmission Service for Energy Imports from NYISO

A. Mr. Rich Souder, PJM, provided education on spot-in transmission service imports from NYISO.

B. Mr. Joe Wadsworth, Vitol Group, presented additional information and solution ideas related to spot-in transmission service for imports from NYISO.

A matrix of design components will be developed for the next MIC. The solution ideas will also be documented in more detail.

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

Informational Section

Report on Market Operations

The Report on Market Operations will be reviewed during the [MC Webinar](#).

MIC Working Session Updates

Energy Scheduling

Energy Scheduling was put on hold to allow for further discussion at Joint and Common Market (JCM) meetings. Interface pricing became more narrowly focused and a document was issued to provide clarification around this issue. The other outstanding issue is related to the IMO Pricing Point, which PJM is working with Monitoring Analytics to define. Additional clarification will be provided when available.

[Issue Tracking: Energy Scheduling](#)

FTR Forfeiture

The last MIC working session was held on February 18, 2014. PJM submitted comments to the FERC related to Docket No. EL14-37-000 in June 2015, and is awaiting a FERC Order.

Meeting materials are posted to the [MIC web site](#).

[Issue Tracking: FTR Forfeiture](#)

Subcommittee and Task Force Updates

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](#).

Future Meeting Dates

July 13, 2016	9:30 a.m.	PJM Interconnection – Conference & Training Center
August 10, 2016	9:30 a.m.	PJM Interconnection – Conference & Training Center
September, 14, 2016	9:30 a.m.	PJM Interconnection – Conference & Training Center
October 5, 2016	9:30 a.m.	PJM Interconnection – Conference & Training Center
November 2, 2016	9:30 a.m.	PJM Interconnection – Conference & Training Center
December 14, 2016	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
Jablonski, James	Borough of Butler, Butler Electric Division	Electric Distributor
Scarpignato, David	Calpine Energy Services, L.P.	Generation Owner
Trayers, Barry	Citigroup Energy, Inc.	Other Supplier
Johnson, Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Horstmann, John	Dayton Power & Light Company (The)	Transmission Owner
Bleiweis, Bruce	DC Energy LLC	Transmission Owner
Whitehead, Jeffrey	Direct Energy Business Marketing, LLC	Other Supplier
Pakela, Greg	DTE Energy Trading, Inc.	Other Supplier
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Brodbeck, John	EDP Renewables North America, LLC	Other Supplier
Kilgallen, Kevin	Emerald Energy	Not Applicable
Jardot, Gina	Essential Power Rock Springs, LLC	Transmission Owner
Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
Midgley, Sharon	Exelon Generation Co., LLC	Generation Owner
Benchek, Jim	FirstEnergy Solutions Corp.	Transmission Owner
Foladare, Kenneth	IMG Midstream LLC	Generation Owner
Tripoli, Matthew	IMG Midstream LLC	Generation Owner
Hudis, Gabriella	Jersey Green Energy LLC	Other Supplier
Kogut, George	New York Power Authority	Other Supplier
Fitch, Neal	NRG Power Marketing LLC	Generation Owner
Fuess, James	PBF Power Marketing LLC	Generation Owner
Greiner, Gary	PSEG Energy Resources and Trade LLC	Other Supplier
Greening, Michele	Talen Energy Marketing, LLC	Generation Owner
Hyzinski, Tom	Talen Energy Marketing, LLC	Generation Owner
Esposito, Pati	TransCanada Power Marketing Ltd.	Other Supplier
Wadsworth, Joseph	Vitol Inc.	Other Supplier

Also in Attendance

Borgatti, Michael	Gabel and Associates	Not Applicable
Hagaman, Derek	GT Power Group	Not Applicable
Pratzon, David	GT Power Group	Not Applicable
Mabry, David	McNees Wallace & Nurick LLC	Not Applicable
Bowring, Joe	Monitoring Analytics, LLC	Not Applicable
Josyula, Siva	Monitoring Analytics, LLC	Not Applicable
Luna, Joel	Monitoring Analytics, LLC	Not Applicable
Mooney, Catherine	Monitoring Analytics, LLC	Not Applicable
Anders, David	PJM Interconnection, LLC	Not Applicable
Bastian, Jeff	PJM Interconnection, LLC	Not Applicable
Bresler, Stu	PJM Interconnection, LLC	Not Applicable
Brown, Rich	PJM Interconnection, LLC	Not Applicable
Bruno, Patrick	PJM Interconnection, LLC	Not Applicable
Budney, David	PJM Interconnection, LLC	Not Applicable
Chmielewski, Brian	PJM Interconnection, LLC	Not Applicable
Drauschak, Lisa	PJM Interconnection, LLC	Not Applicable

Driscoll, Mary Ellen	PJM Interconnection, LLC	Not Applicable
Egan, Amanda	PJM Interconnection, LLC	Not Applicable
Fabiano, Janell	PJM Interconnection, LLC	Not Applicable
Fernandez, Ray	PJM Interconnection, LLC	Not Applicable
Gluck, Jim	PJM Interconnection, LLC	Not Applicable
Hauske, Thomas	PJM Interconnection, LLC	Not Applicable
Hendrzak, Chantal	PJM Interconnection, LLC	Not Applicable
Holland, Risa	PJM Interconnection, LLC	Not Applicable
Holter, Natasha	PJM Interconnection, LLC	Not Applicable
Jani, Alpa	PJM Interconnection, LLC	Not Applicable
Loomis, Harold	PJM Interconnection, LLC	Not Applicable
Maxwell, Melissa	PJM Interconnection, LLC	Not Applicable
McNamara, Sean	PJM Interconnection, LLC	Not Applicable
Patel, Keyur	PJM Interconnection, LLC	Not Applicable
Perera, Asanga	PJM Interconnection, LLC	Not Applicable
Quintavalla, Ginger	PJM Interconnection, LLC	Not Applicable
Schmitt, Jeff	PJM Interconnection, LLC	Not Applicable
Schweizer, Dave	PJM Interconnection, LLC	Not Applicable
Sechrist, Erin	PJM Interconnection, LLC	Not Applicable
Smith, Melissa	PJM Interconnection, LLC	Not Applicable
Souder, Rich	PJM Interconnection, LLC	Not Applicable
Thompson, Jonathan	PJM Interconnection, LLC	Not Applicable
Tong, Zhao	PJM Interconnection, LLC	Not Applicable
Tribulski, Jennifer	PJM Interconnection, LLC	Not Applicable
Herel, Suzanne	RTO Insider	Not Applicable
Silver, Stephen	RTO Insider	Not Applicable

In Attendance via Web Ex / Teleconference

Rutigliano, Tom	Achieving Equilibrium LLC	Other Supplier
Tatum, Edward	American Municipal Power	Electric Distributor
McAlister, Lisa	American Municipal Power, Inc.	Electric Distributor
Norton, Chris	American Municipal Power, Inc.	Electric Distributor
Ondayko, Brock	Appalachain Power Company	Transmission Owner
Patten, Kevin	Appalachain Power Company	Transmission Owner
Horton, Dana	Appalachian Power Company	Transmission Owner
Leopold, Chris	Appalachian Power Company	Transmission Owner
Bloom, David	Baltimore Gas and Electric Company	Other Supplier
J.M.	Castleton Commodities International LLC	Not applicable
Davis, Connie	City of Cleveland, DPU, Div of Cleveland Public Pwr	Electric Distributor
Miller, John	Commonwealth Edison Company	Transmission Owner
Johnson, Carl	Customized Energy Solutions, Ltd*	Not Applicable
Filomena, Guy	Customized Energy Solutions, Ltd*	Not Applicable
Dessenger, Harry	Customized Energy Solutions, Ltd*	Not Applicable
Sasser, Jonathan	Customized Energy Solutions, LTtd*	Not Applicable
DeLosa, Joseph	DE Public Service Commission	Not Applicable
Farber, John	DE Public Service Commission	Not Applicable
Hasting, David	DHASTCo	Not Applicable

Raja, Abhijit	Dominion Resources	Not Applicable
Feierabend, Rick ES	Dominion Virginia Power	Not Applicable
Lacy, Catharine	Dominion Virginia Power	Not Applicable
Wilmoth ES, Emily	Dominion Virginia Power	Not Applicable
Jett, William	Duke Energy Business Services LLC	Generation Owner
Stacombe, Corey	Duke Energy Kentucky, Inc.	Transmission Owner
Garnett, Bryan	Duke Energy Ohio, Inc.	Transmission Owner
Chocarro Aguirrebengoa, Iker	E.ON Climate & Renewables North America, Inc.	Generation Owner
Haynes, Greg	Energy Authority, Inc. (The)	Other Supplier
Ainspan, Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Campbell, Bruce	EnergyConnect, Inc.	Other Supplier
Guerry, Katie	EnerNOC, Inc.	Other Supplier
Sillin, John	Federal Energy Regulatory Commission (The)	Not Applicable
DiNicola, Laura	FirstEnergy Corporation	Not Applicable
Bolan, Martin	FirstEnergy Solutions Corp.	Transmission Owner
Helmick, Doug	Gen Ops, LLC	Other Supplier
Hagaman, Derek	GT Power Group	Not Applicable
Shanker, Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier
VanderLaan, William	Illinois Commerce Commission	Not Applicable
Ma, Alex	Invenergy, LLC	Generation Owner
Prokop, Brenda	ITC Interconnection LLC	Transmission Owner
Singh, Harry	J. Aron & Company	Other Supplier
Leasure, Jill	Keystone Projects	Not Applicable
Malkin, David	KOREnergy, Ltd.	Other Supplier
Wisersky, Megan	Madison Gas & Electric Co	Other Supplier
Schreim, Morris	Maryland Public Service Commission	Not Applicable
Hanser, Erik	Michigan Public Service Commission	Not Applicable
Thomson, Heather	Mid-Atlantic Renewable Energy	Not Applicable
Domian, Christin	Mitsubishi Electric Power Products Inc.	Not Applicable
Demuynck, Rene	New Jersey Board of Public Utilities	Not Applicable
Dickson, Douglas	New Jersey Board of Public Utilities	Not Applicable
Williams, Amber	New York State Electric & Gas Corporation	Other Supplier
Suh, Jung	Noble Americas Gas & Power Corp.	Other Supplier
White, Debbie	North Carolina Electric Cooperatives	Not Applicable
Hart, Joy	North Carolina Electric Membership Corporation	Electric Distributor
Kingston, Amber	North Carolina Electric Membership Corporation	Electric Distributor
Sitaraman, Nicole	Office of the Peoples Counsel for the Dist of Columbia	End User Customer
Mariam, Yohannes	Office of the People's Counsel for the Dist of Columbia	Not Applicable
Cocco, Michael	Old Dominion Electric Cooperative	Electric Distributor
Lieberman, Steve	Old Dominion Electric Cooperative	Electric Distributor
Carmean, Gregory	OPSI	Not Applicable
Austin, Larry	PJM Interconnection, LLC	Not Applicable
Baker, Scott	PJM Interconnection, LLC	Not Applicable
Barnes, Michael	PJM Interconnection, LLC	Not Applicable
Coll, Daniel	PJM Interconnection, LLC	Not Applicable
Coyne, Suzanne	PJM Interconnection, LLC	Not Applicable
Croop, Danielle	PJM Interconnection, LLC	Not Applicable
Egan, Amanda	PJM Interconnection, LLC	Not Applicable

Ellen Driscoll, Mary	PJM Interconnection, LLC	Not Applicable
Falin, Tom	PJM Interconnection, LLC	Not Applicable
Fan, Zhenyu	PJM Interconnection, LLC	Not Applicable
Ford, Adrien	PJM Interconnection, LLC	Not Applicable
Gresh, Kevin	PJM Interconnection, LLC	Not Applicable
Hsia, Eric	PJM Interconnection, LLC	Not Applicable
Keech, Jason	PJM Interconnection, LLC	Not Applicable
Kenney, Susan	PJM Interconnection, LLC	Not Applicable
Langbein, Peter	PJM Interconnection, LLC	Not Applicable
McLavery, Megan	PJM Interconnection, LLC	Not Applicable
Morelli, Lisa	PJM Interconnection, LLC	Not Applicable
O'Neill, Jack	PJM Interconnection, LLC	Not Applicable
Pilong, Chris	PJM Interconnection, LLC	Not Applicable
Schuyler, Ken	PJM Interconnection, LLC	Not Applicable
Sechrist, Erin	PJM Interconnection, LLC	Not Applicable
Shparber, Steven	PJM Interconnection, LLC	Not Applicable
Souder, Michelle	PJM Interconnection, LLC	Not Applicable
Souder, Rich	PJM Interconnection, LLC	Not Applicable
Summers, Ted	PJM Interconnection, LLC	Not Applicable
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
Hilaski, Steve	Potomac Electric Power Company	Electric Distributor
O'Leary, Christopher	PSEG Energy Resources and Trade LLC	Transmission Owner
Patel, Munjal	PSEG Energy Resources and Trade LLC	Other Supplier
Craig, Lathrop	PSEG Energy Resources and Trade, LLC	Other Supplier
DePillo, Ray	Public Service Electric & Gas Company	Transmission Owner
Liu-Raufer, Phyllis	Public Service Electric & Gas Company	Transmission Owner
Mazzacano, Edward	Public Service Electric & Gas Company	Transmission Owner
Gebolys, Debbie	Public Utilities Commission of Ohio (The)	Not Applicable
Herel, Suzanne	RTO Insider	Not Applicable
Rohrbach, John	Southern Maryland Electric Cooperative	Electric Distributor
Simon, Dan	Stroock, Stroock & Lavan, LLP	Not Applicable
Greening, Michele	Talen Energy Marketing, LLC	Generation Owner
Harmon, Michael	Union Electric Company d/b/a Ameren Missouri	Other Supplier
Sutton, Ryan	University of Texas	Not Applicable
Deanna (operator)	Unknown	Unknown
Crider, Craig	Virginia Electric & Power Company	Transmission Owner
Currier, Jeff	Virginia Electric & Power Company	Transmission Owner
Wilson, James	Wilson Energy Economics	Not Applicable
Kraemer, Neil	XO Energy MA, L.P.	Other Supplier
Thompson, Matthew	XO Energy MA, L.P.	Other Supplier

Author: Christina Stotesbury

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