



Market Implementation Committee
PJM Conference & Training Center, Audubon, PA
April 6, 2016
9:30 a.m. – 3:30 p.m. EPT

### Administration

- 1. Ms. Adrien Ford, PJM, and Ms. Christina Stotesbury, PJM, provided administrative updates and reviewed the Antitrust, Code of Conduct, and Public Meetings/Media Participation Guidelines.
- 2. Minutes from the March 9, 2016 Market Implementation Committee meeting were approved with <u>0</u> objections and <u>0</u> abstentions.
- 3. Ms. Christina Stotesbury, PJM, reviewed the active MIC issues on *Issue Tracking*.

Mr. Harold Loomis, PJM, provided an update on Officer Certification and reminded members that 2016 forms must be received by PJM no later than April 29, 2016.

Mr. Adam Keech, PJM, provided an update that the implementation of the shortened Day-Ahead Market timeline on March 31, 2016 was successful with no major issues.

# Endorsements/Approvals

- 4. Demand Response Emergency Energy Settlement Measurement and Verification Mr. Pete Langbein, PJM, presented proposed changes to the Demand Response Emergency Energy Settlement Measurement and Verification process. The proposal will change the emergency energy default CBL from the "hour before" methodology to the current default economic CBL (3 day type with symmetric additive adjustment). The committee endorsed this change by acclamation with 0 objections and 0 abstentions.
- 5. Spot-in Transmission Service Imports from NYISO

  Mr. Joe Wadsworth, Vitol Inc., presented a problem statement and issue charge regarding Spot-in

  Transmission Service for imports from New York ISO. The committee endorsed the problem statement and issue charge by acclamation with 0 objections and 7 abstentions.

### First Readings

6. Manual 11 - Day-Ahead Scheduling Reserve

Mr. Keyur Patel, PJM, reviewed a problem statement and issue charge for changes to Manual 11 – Energy & Ancillary Services Market Operations for the Day-Ahead Scheduling Reserve (DASR). The committee will be asked to endorse the problem statement and issue charge at the May Market Implementation Committee meeting.





### Informational Updates

## 7. Emergency Procedures Update

Mr. David Hislop, PJM, provided an update to the PJM Emergency Procedures that are changing due to the implementation of Capacity Performance.

#### 8. Real-Time Values

- A. Mr. Tong Zhao, PJM, reviewed changes to Manual 11 Energy & Ancillary Services Market Operations to define Real-Time Values relating to the implementation of Capacity Performance.
- B. Mr. Ray Fernandez, PJM, provided an update on the settlements impact for the implementation of Real-Time Values (RTV) parameters.

## 9. Unit Specific Parameters

Ms. Alpa Jani, PJM, provided an update on the Maximum Run Time parameter implementation discussed at the Operating Committee. Maximum Run Time parameter adjustments should be submitted to <a href="mailto:unitspecificpls@pim.com">unitspecificpls@pim.com</a> by Wednesday, April 20, 2016.

### 10. Inter-Regional Coordination Activity

- A. Ms. Danielle Croop, PJM, presented Joint Operating Agreement changes for the Michigan Ontario Par.
- B. Ms. Danielle Croop, PJM, reviewed a PJM-MISO M2M Settlement Adjustment.

### Working Issues

## 11. Market Settlement Subcommittee - Settlement C

Mr. Ray Fernandez, PJM, provided an update on the Settlement C issue that has been discussed at the Market Settlement Subcommittee. The committee was asked for support to terminate work on the problem statement and issue charge that was endorsed by the MIC on September 9, 2015. The committee elected to terminate discussion of Settlement C with <u>54</u> in favor of continuing the discussion, <u>98</u> opposed, and <u>23</u> abstentions.

#### 12. PLS Exception Process

Ms. Jacqui Hugee, PJM, presented a PLS Exception process proposal for consideration. The committee was asked for feedback on the proposal and PJM expects to bring draft tariff language for a first read at the May Market Implementation Committee meeting.

#### 13. Auction Specific Bilateral Transactions

Ms. Jen Tribulski, PJM, presented PJM's proposed solution package on Auction Specific Bilateral Transactions. Redline manual language will be brought for consideration and a first read at the May MIC meeting.

### 14. Capacity Import Limit (CIL) Exception Modification from the GDECS

Ms. Jen Tribulski, PJM, presented the CIL Exception language from the Governing Documents Enhancements & Clarifications Subcommittee (GDECS). Mr. Luis Fondacci, NCEMC, reviewed a friendly amendment for further stakeholder discussion before seeking endorsement at the next Members Committee





meeting. This topic will be reviewed at the MC Webinar on Monday, April 25, prior to the next MC meeting on Thursday, April 28.

## 15. Operating Parameter Discussion

Mr. Tom Hauske, PJM, continued the discussion around un-nesting Operating Parameter definitions in Manuals 11, 15 and 28. Stakeholders provided interests for consideration.

\*Issue Tracking: Operating Parameter Definitions\*

### Informational Section

## **Report on Market Operations**

The Report on Market Operations will be reviewed during the MC Webinar.

## **Inter-regional Coordination Efforts**

Mr. Stan Williams, PJM, was available to answer questions on inter-regional coordination efforts.

## Markets Gateway

Ms. Risa Holland, PJM, was available during the meeting to answer questions on Markets Gateway. PJM will retire eMKT at 7:00 a.m. EPT on April 19, 2016. Information entered in eMKT prior to its retirement will be accessible in Markets Gateway. Both Markets Gateway and eMKT will continue to be available for parallel operations through 04/19/2016. Please continue to transition to Markets Gateway and discontinue use of eMKT to ensure PJM's ability to monitor Market Gateway's performance. As of 7AM EPT on 04/19/2016, stakeholders can only use Markets Gateway to enter or view market data information. PJM asks that you continue to send questions to MarketsGatewaySupport@pim.com.

#### **Transmission Operations Manual 3 Review**

Ms. Nicole Scott, PJM, was available to answer questions on updates to Manual 3 - Transmission Operations. Materials were posted as Informational Only.

#### 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





# **Up-To Congestion Transactions**

A MIC working session was held on June 10, 2014. This issue has been put on hold to allow greater concentration on the remaining issues in the stakeholder process which have more pressing completion date requirements. When available, materials will be posted to the MIC web site.

Issue Tracking: Up To Congestion Transactions – Financial and Node Limitation

## **Subcommittee and Task Force Updates**

# **Credit Subcommittee (CS)**

Meeting materials will be posted to the <u>CS website</u>.

## **Demand Response Subcommittee (DRS)**

Meeting materials will be posted to the <u>DRS web site</u>.

## **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**

May 11, 2016	9:30 a.m.	PJM Interconnection – Conference & Training Center
June 8, 2016	9:30 a.m.	PJM Interconnection – Conference & Training Center
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**

Ford, Adrien (Chair)	PJM Interconnection, LLC	Not Applicable
Stotesbury, Christina (Secretary)	PJM Interconnection, LLC	Not Applicable
Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
Benchek, Jim	FirstEnergy Solutions Corp.	Transmission Owner
Bleiweis, Bruce	DC Energy LLC	Transmission Owner
Brodbeck, John	EDP Renewables North America, LLC	Other Supplier
Esposito, Pati	TransCanada Power Marketing Ltd.	Other Supplier
Filomena, Guy	Customized Energy Solutions, Ltd.*	Not Applicable
Fitch, Neal	NRG Power Marketing LLC	Generation Owner
Foladare, Kenneth	IMG Midstream LLC	Generation Owner
Fuess, James	PBF Power Marketing LLC	Generation Owner
Greening, Michele	Talen Energy Marketing, LLC	Generation Owner
Guerry, Katie	EnerNOC, Inc.	Other Supplier
Jardot, Gina	Essential Power Rock Springs, LLC	Transmission Owner
Johnson, Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Kauffman, Brian	NRG Curtailment Solutions	Other Supplier
Kogut, George	New York Power Authority	Other Supplier





Leonard, Ryan Midgley, Sharon O'Connell, Robert Peoples, John Powers, Sean Sasser, Jonathan Scarpignato, David Trayers, Barry Wadsworth, Joseph

Iberdola

Exelon Generation Co., LLC

Main Line Electricity Market Consultants

Duquesne Light Company Linde Energy Services, Inc. Customized Energy Solutions, Ltd.\* Calpine Energy Services, L.P. Citiaroup Energy, Inc.

Vitol Inc.

Direct Energy Business Marketing, LLC

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

#### Also in Attendance

Whitehead, Jeffrey

Anders, David Borgatti, Michael Borradaile, Michael Bowring, Joe Brown, Richard Budney, David Canter, David Carroll, Rebecca Ciabattoni, Joe Croop, Danielle Disciullo, Nicholas Drauschak, Lisa Fabiano, Janell Fernandez, Ray Flamm, Sean Griffiths. Dan Hagaman, Derek

Hauske, Thomas Hendrzak, Chantal Herel, Suzanne Hislop, David Holland, Risa Holter, Natasha

Horger, Timothy Hsia, Eric Hugee, Jacqulynn Jani, Alpa Keech, Adam Keech, Jason Kenney, Susan Kilgallen, Kevin Langbein, Peter Loomis, Harold Mabry, David

Patel, Keyurbhai Pratzon, David Scott, Nicole

Murphy, JoAnn

Olaleye, Michael

Pacella, Christopher

PJM Interconnection, LLC Gabel and Associates PJM Interconnection, LLC

Monitoring Analytics, LLC PJM Interconnection, LLC PJM Interconnection, LLC Appalachian Power Company

PJM Interconnection, LLC PJM Interconnection, LLC

Consumer Advocates of PJM States

GT Power Group

PJM Interconnection, LLC PJM Interconnection, LLC

PJM Interconnection, LLC

RTO Insider

**GT Power Group** 

PJM Interconnection, LLC

PJM Interconnection, LLC PJM Interconnection, LLC PJM Interconnection, LLC PJM Interconnection, LLC PJM Interconnection, LLC PJM Interconnection. LLC PJM Interconnection, LLC PJM Interconnection, LLC PJM Interconnection, LLC PJM Interconnection, LLC Emerald Energy Consulting, LLC PJM Interconnection, LLC PJM Interconnection, LLC McNees Wallace & Nurick LLC PJM Interconnection, LLC PJM Interconnection, LLC PJM Interconnection, LLC PJM Interconnection, LLC

Not Applicable Not Applicable

Other Supplier

Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Transmission Owner

Not Applicable

Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable

Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable





Sechrist, Erin Souder, Richard Stadelmeyer, Rebecca

Tong, Zhao Tribulski, Jennifer Weathers, Brian Williams, Stanley PJM Interconnection, LLC Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable

# In Attendance via Web Ex / Teleconference

Wong, Bryant Kingston, Amber Huff, Alex Lejcar, Jamie Jones, Ryan

Jones, Ryan Ondayko, Brock Janicki, Diane Briscoe, Judy Reid, Ryan Semrau, Keith

Miller, John
Johnson, Carl
Dessender, Harry
Horstmann, John
DeLosa, Joseph
Farber, John

Price, Ruth Ann Hastings, David Erbrick, Michael James, Louise Rajan, Abhijit

Feierabend, Rick ES Lacy, Catharine Wilmoth ES, Emily Pakela, Gregory Jett, William Mok, Alan Garnett, Bryan Cox, Jason

Ainspan, Malcolm Campbell, Bruce Riding, M.Q. Rugh, Chris Bolan, Martin DiNicola, Laura Teamann, Cynthia Wilhite, Chad Helmick, Doug

Shanker, Roy Gorman, Kevin Singh, Harry Leasure, Jill

Malkin, David

ABB Network Management Aces Power Marketing Aces Power Marketing

Allegheny Electric Cooperative, Inc. Allegheny Electric Cooperative, Inc. Appalachain Power Company

Boston Energy Trading & Marketing, LLC

BP Energy Company Buckeye Power, Inc. Cleveland Public Power

Commonwealth Edison Company
Customized Energy Solutions, Ltd.\*
Customized Energy Solutions, Ltd.\*
Dayton Power & Light Company (The)
DE Public Service Commission
DE Public Service Commission
Delaware Public Service Commission

DHAST Co. DHAST Co.

Dominion Energy Marketing, Inc.

Dominion Resources Dominion Virginia Power Dominion Virginia Power Dominion Virginia Power DTE Energy Trading, Inc.

Duke Energy Business Services LLC

Duke Energy Kentucky, Inc. Duke Energy Ohio, Inc. Dynegy Power Marketing, Inc. Energy Curtailment Specialists, Inc.

EnergyConnect, Inc.
Essential Power OPP, LLC

EverPower Commercial Services, LLC

FirstEnergy Solutions Corp. FirstEnergy Solutions Corp. FirstEnergy Solutions Corp. FirstEnergy Solutions Corp.

Gen Ops, LLC

H.Q. Energy Services (U.S.), Inc. Highlands Energy Group LLC (The)

J. Aron & Company Keystone Projects KOREnergy, Ltd. Not Applicable

Not Applicable
Not Applicable
Electric Distributor
Electric Distributor

Transmission Owner Generation Owner Other Supplier Electric Distributor Not Applicable Transmission Owner

Transmission Owner
Not Applicable
Not Applicable
Transmission Owner
Not Applicable

Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Generation Owner
Not Applicable
Not Applicable

Not Applicable
Not Applicable
Not Applicable
Other Supplier
Generation Owner
Transmission Owner
Transmission Owner
Generation Owner
Other Supplier
Other Supplier
Transmission Owner

Other Supplier
Transmission Owner
Generation Owner
Transmission Owner
Transmission Owner
Transmission Owner
Transmission Owner
Other Supplier
Other Supplier
Other Supplier
Other Supplier

Not Applicable

Other Supplier





Wisersky, Megan Villeneuve, Alexandre

Harmon, Mike
Hanser, Erik
Luna, Joel
White, Debbie
Fondacci, Luis
Patel, Munjal
Mariam, Yohannes
Cocco, Michael
Gouda, John
Lieberman, Steven

Carmean, Gregory Matheson, Eric Loudenburg, Zack Coll, Daniel Budney, Dave Sechrist, Erin O'Neill, Jack Hugee, Jacqui Burlew, Jim

Schmitt, Jeff

Wong, Raymond

Gell, Richard

Warner-Freeman, Jennifer

Schuyler, Ken
Ellen Driscoll, Mary
Ward, Michael
DiSciullo, Nick
Bruno, Pat
Dirani, Rami
Coyne, Suzanne
Daugherty, Suzanne
Fan, Zhenyu

Watson, Mark
DeNavas, Joseph
Hilaski, Steve
Reuter, Robert
Lind, Clarke
Greiner, Gary
Gebolys, Debbie
Hoatson, Tom
Yu, Joel
Binder, Gerry
Rohrbach, John
Wynn, Laura
Xenopoulos, Damon

Xenopoulos, Damo Simon, Daniel Scoglietti, Barbara Johnson, Nick Phillips, Amanda Bearden, Joel Author: Christina Stotesbury Madison Gas & Electric Co. MAG Energy Solutions, Inc. mharmon@ameren.com

Michigan Public Service Commission

Monitoring Analytics, LLC

North Carolina Electric Membership Corporation North Carolina Electric Membership Corporation

NRG Power Marketing LLC

Office of the Peoples Counsel for the District of Columbia

Old Dominion Electric Cooperative Old Dominion Electric Cooperative Old Dominion Electric Cooperative

Ontario Power Generation Energy Trading, Inc.

Ontario Power Generation Inc.

OPSI

Pennsylvania Public Utility Commission

Pennsylvania Renewable Resources, Associates

PJM Interconnection, LLC PJM Interconnection, LLC

Platts

Potomac Electric Power Company Potomac Electric Power Company Potomac Electric Power Company

PowerEx Corporation

PSEG Energy Resources and Trade, LLC Public Utilities Commission of Ohio (The)

Riverside Generating, LLC Rockland Electric Company SESCO Enterprises LLC

Southern Maryland Electric Cooperative Stone, Matheis, Xenopoulos & Brew, PC Stone, Matheis, Xenopoulos & Brew, PC

Strook, Strook & Lavan, LLP Tangent Energy Solutions, Inc. Tenaska Power Services Co.

Wabash Valley Power Association, Inc.

XO Energy MA, L.P.

Other Supplier
Other Supplier
199.38.133.55
Not Applicable
Not Applicable
Electric Distributor
Electric Distributor
Generation Owner
End User Customer
Electric Distributor
Electric Distributor

Other Supplier Other Supplier Not Applicable Not Applicable Generation Own

Electric Distributor

Generation Owner Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable

Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable

Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Electric Distributor Electric Distributor

Electric Distributor
Electric Distributor
Other Supplier
Other Supplier
Not Applicable
Other Supplier
Transmission Owner
Not Applicable
Electric Distributor

Not Applicable Electric Distributor Not Applicable Not Applicable Not Applicable Other Supplier Generation Owner Electric Distributor Other Supplier