

Market Implementation Committee PJM Conference & Training Center, Audubon, PA March 11, 2015 9:30 a.m. – 2:00 p.m. EPT

Administration

- 1. Ms. Adrien Ford and Ms. Christina Stotesbury provided announcements and reviewed the Anti-trust, Code of Conduct and Media Participation policies.
- 2. Minutes from the February 11, 2015 Market Implementation Committee meeting were approved as posted.
- 3. Ms. Christina Stotesbury reviewed the MIC Issue Tracking items.

Endorsements/Approvals

- 4. PJM Manuals
 - A. Ms. Danielle Martini, PJM, reviewed revisions to Manual 12: Balancing Operations. The Committee endorsed these revisions with 0 objections and 0 abstentions.
 - B. Mr. Tong Zhao, PJM, reviewed Demand Bid Screening and the associated revisions to Manual 11: Energy & Ancillary Services. The Committee endorsed these revisions with 0 objections and 0 abstentions.
- 5. <u>FTR Revisions</u>

Mr. Tim Horger, PJM, presented non substantial FTR revisions. The Committee endorsed these revisions with 0 objections and 9 abstentions.

Informational Updates

- Maximum Notification and Startup Time for Capacity Units Ms. Chantal Hendrzak, PJM, provided an update on the Maximum Notification and Startup Times for Capacity Units. Issue Tracking: Maximum Notification and Startup Times for Capacity Units
- Joint and Common Market Update Mr. Stan Williams, PJM, provided an update on the PJM-MISO Joint and Common Market (JCM) meeting held on February 19, 2015. Additional Joint and Common Market information is posted to the <u>JCM Website</u>.

Working Issues

 Transparency of Operational Changes Ms. Adrien Ford, PJM, lead the discussion to identify stakeholder interest and build design components.

Issue Tracking: Operational Transparency

Timing of Replacement Capacity Transactions

Ms. Adrien Ford, PJM, lead the discussion to identify stakeholder interest and build design components. <u>Issue Tracking: Timing of Replacement Capacity Transactions</u>

9. External Capacity Transfer Rights

Mr. Stu Bresler, PJM, presented additional education on External Capacity Transfer congestion charges. The PJM



detailed proposal will be brought before the committee at the next MIC for consideration. <u>Issue Tracking: External Capacity Transfer Rights</u>

Informational Section

Report on Market Operations

The Report on Market Operations is posted to the MC Webinar.

Pricing Interfaces

Mr. Joe Ciabattoni, PJM, was available during the meeting if there were any pricing interface questions. There were no new interfaces this month. <u>Oasis System Information</u>

2014 Marginal Carbon Emissions Report

The 2014 PJM Emissions Report is posted with the March MIC Materials.

FERC Frequency Response Notice of Proposed Rulemaking

Mr. Stan Williams, PJM, was available during the meeting if there were any Frequency Response questions.

MIC Working Session Updates

Tier 1 Compensation

A MIC working session was held on February 4, 2015. The next meeting is scheduled for March 17, 2015. Meeting materials will be posted to the <u>MIC web site</u>. <u>Issue Tracking: Tier 1 Compensation</u>

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 <u>MIC web site</u>.

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

FTR Forfeiture

A MIC working session was held on February 18, 2014. When available, materials will be posted to the <u>MIC web site</u>. <u>Issue Tracking: FTR Forfeiture</u>

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 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

Subcommittee and Task Force Updates

Market Settlements Subcommittee (MSS) Meeting materials are posted to the MSS web site.

<u>Credit Subcommittee (CS)</u> Meeting materials will be posted to the <u>CS website.</u>



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.

Future Meeting Dates

April 8, 2015 May 6, 2015 June 10, 2015 July 8, 2015 August 12, 2015 September 9, 2015 October 7, 2015 November 4, 2015 December 2, 2015

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In Attendance (In Person):

Ford, Adrien (Chair) Horton. Dana Trayers, Barry Filomena, Guy Johnson, Carl Sasser, Jonathan Horstmann, John Bleiweis. Bruce Scarpignato, Davie Peoples, John Canto, Mike Guerry, Katie Meier. Mariko Stadelmeyer, Rebecca Benchek, Jim Borgatti, Michael Stewart, Travis Hagaman, Derek Pratzon, David O'Connell, Robert Hastings, David Kogut, George Fitch. Neal Lieberman, Steven Fuess, James Anders. David Bastian, Jeffrey Bresler, Stu Carroll, Rebecca

PJM Interconnection, LLC Appalachian Power Company Citigroup Energy, Inc. Customized Energy Solutions, Ltd.* Customized Energy Solutions, Ltd.* Customized Energy Solutions, Ltd.* Dayton Power & Light Company (The) DC Energy LLC **Direct Energy Business, LLC** Duquesne Light Company Energy Authority, Inc. (The) EnerNOC. Inc. EnerNOC. Inc. Exelon Business Services Company, LLC FirstEnergy Solutions Corporation Gable and Associates Gable and Associates **GT** Power Group **GT** Power Group Main Line Electricity Market Consultants, LLC Market Interconnection LLC New York Power Authority NRG Power Marketing LLC Old Dominion Electric Cooperative **PBF** Power Marketing LLC PJM Interconnection, LLC PJM Interconnection, LLC PJM Interconnection, LLC PJM Interconnection, LLC

Not Applicable Transmission Owner Other Supplier Not Applicable Not Applicable Not Applicable Transmission Owner Other Supplier Other Supplier Transmission Owner Other Supplier Other Supplier Other Supplier **Transmission Owner** Transmission Owner Not Applicable None Transmission Owner Not Applicable Not Applicable Not Applicable Other Supplier Generation Owner Electric Distributor Generation Owner Not Applicable Not Applicable Not Applicable Not Applicable



- Chmielewski, Brian Ciabattoni, Joe Fabiano, Janell Fernandez, Ray Gordon, Brad Hendrzak, Chantal Horaer. Timothy Hsia, Eric Olaleye, Michael Sechrist. Erin Shparber, Steve Walter, Laura Williams, Stanley Brodbeck, John Greening, Michele Stotesbury, Christina (Secretary)
- 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 Potomac Electric Power Company PPL EnergyPlus, L.L.C. PJM Interconnection, LLC

In Attendance (via WebEx / Teleconference):

Rutigliano, Tom Terry, Jonathan Liang-Nicol, Cecilia Mancuso, Melanie Norton, Chris Ondayko, Brock Cox, Edward Patten, Kevin Bloom, David Jablonski, James Janicki, Diane Kelly, Stephen Metzler, Jakob Miller, John Scherer, Paul Gilani. Rehan Smvth. Dermot Dessender, Harry Sasser, Jonathan Lamp, Jeff Price. Ruth Ann Hopkins, Sandra Lacy, Catharine Pakela, Greg Jett, William Mok. Alan McRae, Todd Dugan, Chuck Wong, Bryant

Achieving Equilibrium, LLC Allegheny Electric Cooperative, Inc. Allegheny Energy Supply Company, LLC Allegheny Energy Supply Company, LLC American Municipal Power, Inc. Appalachain Power Company Appalachian Power Company Appalachian Power Company Baltimore Gas and Electric Company Borough of Butler, Butler Electric Division Boston Energy Trading & Marketing, LLC Brookfield Energy Marketing LP Castleton Commodities Merchant Trading L.P. Commonwealth Edison Company Commonwealth Edison Company ConEdison Energy, Inc. ConEdison Energy, Inc. Customized Energy Solutions, Ltd.* Customized Energy Solutions, Ltd.* DC Energy, LLC **Delaware Public Service Commission** Dominion Virginia Power **Dominion Virginia Power** DTE Energy Trading, Inc. **Duke Energy Business Services LLC** Duke Energy Kentucky, Inc. Dynasty Power, Inc. East Kentucky Power Cooperative, Inc. EDP Renewables North America, LLC

Not Applicable Electric Distributor Transmission Owner Not Applicable

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



Ainspan, Malcolm Jardot, Gina Barker, Jason Halay, Alina Icart, Eric Monroe, Alicia Wellborn. Sam Kothakapu, Rakesh Wilhite, Chad Bolan, Martin Shanker, Roy Rismiller, Randy Schum. Alice Saini, Ishwar Wisersky, Megan De Geeter, Ralph Mayes, Jeffrey Mahoney, Julieanne Mariam, Yohannes Gell, Richard Carmean, Gregory Chesser, Kathrina Wissink, Mlke Griffiths, Dan Chiavaroli, Tom Brown, Rich Budney, Dave Coyne, Suzanne Dolan, James Hauske, Thomas Holland, Risa Hugee, Jacqulynn Kanning, Li, Keech, Jason Kelly, Mike O'Neill, Jack Patrick, Bruno, Schmitt. Jeff Walter, Laura Ward, Mike Weiss, Glenn Hyzinski, Tom Citrolo, John Sock. Brvan McAdams, Julius Hoatson. Tom Yu. Joel Herel, Suzanne

Energy Curtailment Specialists, Inc. Essential Power Rock Springs, LLC Exelon Business Services Company, LLC Federal Energy Regulatory Commission (The) Fellon McCord FirstEnergy Solutions Corp. FirstEnergy Solutions Corporation H.Q. Energy Services (US), Inc Illinois Commerce Commission Illinois Municipal Electric Agency Macguarie Energy LLC Madison Gas & Electric Co. Maryland Public Service Commission Monitoring Analytics, LLC New York State Electric & Gas Corporation Office of the Peoples Counsel for the Dist. of Columbia Ontario Power Generation Inc. OPSI Other Other Pennsylvania Office of the Consumer Advocate PGI 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 PPL Energy Plus, LLC Public Service Electric & Gas Company Public Service Electric & Gas Company Red Wolf Energy Trading, LLC Riverside Generating, LLC Rockland Electric Company **RTO** Insider

Other Supplier **Transmission Owner Transmission Owner** Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Transmission Owner Transmission Owner Other Supplier Not Applicable Electric Distributor Other Supplier Other Supplier Not Applicable Not Applicable Other Supplier End User Customer Other Supplier Not Applicable None None Not Applicable None Not Applicable Transmission Owner Transmission Owner Transmission Owner Other Supplier Other Supplier Transmission Owner Not Applicable



Binder, Gerry Grant, Annalee Rohrbach, John Scoglietti, Barbara Harmon, Michael Rajan, Abhijit Slade, Louis Wilmoth, Emily SESCO Enterprises LLC SNL Southern Maryland Electric Cooperative Tangent Energy Solutions, Inc. Union Electric Company d/b/a Ameren Missouri Virginia Electric Power Company Virginia Electric Power Company Virginia Electric Power Company Other Supplier Not Applicable Electric Distributor Other Supplier Other Supplier Transmission Owner Transmission Owner Transmission Owner

Author: Christina Stotesbury