

Market Implementation Committee  
PJM Conference & Training Center, Audubon, PA  
May 11, 2016  
9:30 a.m. – 2:30 p.m. EPT

## Administration

1. Ms. Adrien Ford, PJM, and Ms. Christina Stotesbury, PJM, provided administrative announcements and reviewed the Antitrust, Code of Conduct, and Public Meetings/Media Participation Guidelines.  
  
Mr. Todd Keech, PJM, provided a brief update regarding recent extensions of the Day-Ahead Market.  
Mr. Tong Zhao, PJM, reviewed required updates in Markets Gateway.
2. Minutes from the April 6, 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. **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 approved problem statement and issue charge by acclamation with 0 objections and 0 abstentions.**

## First Readings

5. **Biennial Review for Manual 15 – Cost Development Guidelines**  
Mr. Keyur Patel, PJM, presented proposed changes to Manual 15 – Cost Development Guidelines as part of the biennial review process. The Committee will be asked to endorse these changes at the June Market Implementation Committee meeting.
6. **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 will be asked to endorse these changes at the June Market Implementation Committee meeting.
7. **PLS Exception Process**  
Ms. Jacqui Hugee, PJM, presented an updated Parameter Limited Schedule (PLS) exception process proposal for consideration. The Committee will be asked to endorse this proposal at the June Market Implementation Committee meeting.
8. **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 this proposal at the June Market Implementation Committee meeting.

## 9. 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 will be asked to approve the problem statement and issue charge at the June Market Implementation Committee meeting.

## 10. 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 review potential enhancements to the Residual Auction Revenue Rights (ARR) process. The Committee will be asked to approve the problem statement and issue charge at the June Market Implementation Committee meeting.

## Informational Updates

### 11. Tariff-Required Report on MOPR Net Short/Net Long Analysis for 2020/2021 Auctions

Mr. Jeff Bastian, PJM, reported on analysis of the Maximum Net Short and Net Long positions used in the Minimum Offer Price Rule as required under the Tariff.

### 12. Net Energy Injections Quarterly Report

Mr. Ken Schuyler, PJM, provided an update on the first quarter Net Energy Injections report.

### 13. Inter-Regional Coordination Activity

A. Mr. Stan Williams, PJM, provided an update on inter-regional coordination efforts.

B. Mr. Asanga Perera, PJM, provided an update on the PJM-MISO and PJM-TVA JOA and JRCA revisions.

## Working Issues (1:30-2:30)

### 14. Operating Parameter Discussion

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

[Issue Tracking: Operating Parameter Definitions](#)

### 15. Release of Capacity in 17/18 Delivery Year 3<sup>rd</sup> Incremental Auction

Mr. Jeff Bastian, PJM, initiated a discussion in response to the reporting directive in FERC Docket ER16-532 concerning the release of annual capacity in the 2017/2018 Delivery Year 3<sup>rd</sup> Incremental Auction related to excess capacity procured in the Capacity Performance Transition Incremental Auction.

Mr. Jeff Whitehead, Direct Energy, reviewed a presentation providing historical incremental auction data to contribute to the discussion.

## Informational Section

### Report on Market Operations

The Report on Market Operations will be reviewed during the [Members Committee](#) meeting on May 19, 2016.

## 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

The last MIC working session was held on June 10, 2014. This issue was put on hold to allow greater concentration on remaining issues in the stakeholder process that have more pressing completion date requirements. On January 28, 2016, the MRC approved a problem statement and issue charge titled "Review of Virtual Transactions" that will absorb this topic. At the May MRC, PJM will seek endorsement to include the scope of this issue in the EMUSTF Charter. [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 [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

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
Trayers, Barry	Citigroup Energy, Inc.	Other Supplier
Griffiths, Dan	Consumer Advocates of PJM States	Not Applicable
Johnson, Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Horstmann, John	Dayton Power & Light Company (The)	Transmission Owner
Bleiweis, Bruce	DC Energy LLC	Other Supplier
Whitehead, Jeffrey	Direct Energy Business Marketing, LLC	Other Supplier
Campbell, Bruce	CPower	Other Supplier
Guery, Katie	EnerNOC, Inc.	Other Supplier
Jardot, Gina	Essential Power Rock Springs, LLC	Generation Owner
Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
Midgley, Sharon	Exelon Business Services Company, LLC	Transmission Owner
Benchek, Jim	FirstEnergy Solutions Corp.	Transmission Owner
Kilgallen, Kevin	Iberdrola Renewables, LLC	Generation Owner
Foladare, Kenneth	IMG Midstream LLC	Generation Owner
Hudis, Gabriella	Jersey Green Energy LLC	Other Supplier
Kogut, George	New York Power Authority	Other Supplier
White, Debbie	North Carolina Electric Cooperatives	Not Applicable
Fondacci, Luis	North Carolina Electric Membership Corporation	Electric Distributor
Kauffman, Brian	NRG Curtailment Solutions	Other Supplier
Fitch, Neal	NRG Power Marketing LLC	Generation Owner
Lieberman, Steven	Old Dominion Electric Cooperative	Electric Distributor
Greening, Michele	Talen Energy Marketing, LLC	Generation Owner
Esposito, Pati	TransCanada Power Marketing Ltd.	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
Anders, David	PJM Interconnection, LLC	Not Applicable
Bastian, Jeff	PJM Interconnection, LLC	Not Applicable
Bresler, Stu	PJM Interconnection, LLC	Not Applicable
Bryson, Mike	PJM Interconnection, LLC	Not Applicable
Ciabattoni, Joe	PJM Interconnection, LLC	Not Applicable
Drauschak, Lisa	PJM Interconnection, LLC	Not Applicable
Fabiano, Janell	PJM Interconnection, LLC	Not Applicable
Fernandez, Ray	PJM Interconnection, LLC	Not Applicable
Hauske, Thomas	PJM Interconnection, LLC	Not Applicable
Hendrzak, Chantal	PJM Interconnection, LLC	Not Applicable
Holter, Natasha	PJM Interconnection, LLC	Not Applicable
Hugee, Jacquelyn	PJM Interconnection, LLC	Not Applicable
Jani, Alpa	PJM Interconnection, LLC	Not Applicable
Keech, Adam	PJM Interconnection, LLC	Not Applicable
Keech, Jason	PJM Interconnection, LLC	Not Applicable
Kenney, Susan	PJM Interconnection, LLC	Not Applicable
Loomis, Harold	PJM Interconnection, LLC	Not Applicable
Morelli, Lisa	PJM Interconnection, LLC	Not Applicable
Patel, Keyurbhai	PJM Interconnection, LLC	Not Applicable
Perera, Asanga	PJM Interconnection, LLC	Not Applicable
Schmitt, Jeff	PJM Interconnection, LLC	Not Applicable
Schuyler, Ken	PJM Interconnection, LLC	Not Applicable
Sechrist, Erin	PJM Interconnection, LLC	Not Applicable
Shparber, Steve	PJM Interconnection, LLC	Not Applicable
Smith, Melissa	PJM Interconnection, LLC	Not Applicable

Snyder, Sue  
 Stadelmeyer, Rebecca  
 Tribulski, Jennifer  
 Williams, Stanley  
 Zhao, Tong  
 Herel, Suzanne

PJM Interconnection, LLC  
 RTO Insider

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

## In Attendance via WebEx / Teleconference

Ainspan, Malcolm  
 Bloom, David  
 Bolan, Martin  
 Briscoe, Judy  
 Brown, Rich  
 Bruno, Patrick  
 Budney, David  
 Canchi, Devendra  
 Carmean, Gregory  
 Carroll, Rebecca  
 Cocco, Michael  
 Cox, Edward P  
 Coyne, Suzanne  
 Croop, Danielle  
 DeLosa, Joseph  
 Dessender, Harry  
 Dickson, Douglas  
 Dillon, Matt  
 DiNicola, Laura  
 Dorko, Keri  
 Driscoll, Mary Ellen  
 Dugan, Chuck  
 Fan, Zhenyu  
 Farber, John  
 Filomena, Guy  
 Garnett, Bryan  
 Gebolys, Debbie  
 Gell, Richard  
 Godson, Gloria  
 Hanser, Erik  
 Harmon, Michael  
 Hastings, David  
 Helmick, Douglas  
 Herel, Suzanne  
 Hilaski, Steve  
 Hoatson, Tom  
 Holland, Risa  
 Hsia, Eric  
 Hyatt, John  
 Hyzinski, Tom  
 Jablonski, James  
 James, Louise  
 Janicki, Diane  
 Jett, William  
 Johnson, Nick  
 Jones, Ryan  
 Josyula, Siva  
 Keech, Todd  
 Kenney, Susan  
 Kingston, Amber

Energy Curtailment Specialists, Inc.  
 Baltimore Gas and Electric Company  
 FirstEnergy Solutions Corp.  
 BP Energy Company  
 PJM Interconnection, LLC  
 PJM Interconnection, LLC  
 PJM Interconnection, LLC  
 Monitoring Analytics, LLC  
 OPSI  
 PJM Interconnection, LLC  
 Old Dominion Electric Cooperative  
 Appalachian Power Company  
 PJM Interconnection, LLC  
 PJM Interconnection, LLC  
 DE Public Service Commission  
 Customized Energy Solutions, Ltd.\*  
 New Jersey Board of Public Utilities  
 UGI Energy Services, LLC  
 FirstEnergy Solutions Corp.  
 Monitoring Analytics, LLC  
 PJM Interconnection, LLC  
 East Kentucky Power Cooperative, Inc.  
 PJM Interconnection, LLC  
 DE Public Service Commission  
 Customized Energy Solutions, Ltd.\*  
 Duke Energy Ohio, Inc.  
 Public Utilities Commission of Ohio (The)  
 Ontario Power Generation Inc.  
 PEPCO Holdings Inc  
 Michigan Public Service Commission  
 Union Electric Company d/b/a Ameren Missouri  
 Dhastco  
 Keystone Projects  
 RTO Insider  
 Potomac Electric Power  
 LS Power Development, LLC  
 PJM Interconnection, LLC  
 PJM Interconnection, LLC  
 Monitoring Analytics LLC  
 Talen Energy Marketing, LLC  
 Borough of Butler, Butler Electric Division  
 Dominion Energy Marketing, Inc.  
 Boston Energy Trading & Marketing, LLC  
 Duke Energy Business Services LLC  
 Tenaska Power Services Co.  
 Allegheny Electric Cooperative, Inc.  
 Monitoring Analytics LLC  
 PJM Interconnection, LLC  
 PJM Interconnection, LLC  
 North Carolina Electric Membership Corporation

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

Lacy, Catharine  
 Langbein, Peter  
 Leasure, Jill  
 Lejcar, Jamie  
 Leopold, Chris  
 Little, Tyler  
 Lowe, Connie  
 M, J  
 Malkin, David  
 Norton, Chris  
 O'Connell, Robert  
 Olaleye, Michael  
 Ondayko, Brock  
 Oper Dana  
 Pakela, Gregory  
 Patel, Munjal  
 Patten, Kevin  
 Peoples, John  
 Prokop, Brenda  
 Quintavalla, Ginger  
 Rajan ES, Abhijit  
 Reid, Ryan  
 Riding, MQ  
 Robson, Matt  
 Rohrbach, John  
 Romero, Joel  
 Rutigliano, Tom  
 Sasser, Jonathan  
 Schmitt, Jeff  
 Schum, Alice  
 Scoglietti, Barbara  
 Shanker, Roy  
 Sillin, John  
 Singer, Chad  
 Thompson, Matthew  
 Thomson, Heather  
 Ward, Michael  
 Watson, Mark  
 Weiss, Glenn  
 Williams, Amber  
 Wilson, James  
 Wisersky, Megan  
 Yu, Joel

Dominion Virginia Power  
 PJM Interconnection, LLC  
 Keystone Projects  
 Allegheny Electric Cooperative, Inc.  
 Appalachian Power Company  
 Direct Energy Business, LLC  
 Dominion Virginia Power  
 Castleton Commodities International LLC  
 KOREnergy, Ltd.  
 American Municipal Power, Inc.  
 Meriwether Lewis Electric Cooperative  
 PJM Interconnection, LLC  
 Appalachian Power Company  
 PGI  
 DTE Energy Trading, Inc.  
 PSEG Energy Resources and Trade LLC  
 AEP Energy Partners, Inc  
 Duquesne Light Company  
 ITC Mid-Atlantic Development  
 PJM Interconnection, LLC  
 Dominion Resources  
 Buckeye Power, Inc.  
 Essential Power, LLC  
 SESCO Enterprises LLC  
 Southern Maryland Electric Cooperative  
 Monitoring Analytics, LLC  
 Achieving Equilibrium LLC  
 Customized Energy Solutions, Ltd.\*  
 PJM Interconnection, LLC  
 Illinois Municipal Electric Agency  
 Tangent Energy Solutions, Inc.  
 H.Q. Energy Services (U.S.), Inc  
 Federal Energy Regulatory Commission (The)  
 Fellon McCord  
 XO Energy MA, L.P.  
 Mid-Atlantic Renewable Energy Coalition  
 PJM Interconnection, LLC  
 Platts  
 PJM Interconnection, LLC  
 New York State Electric & Gas Corporation  
 Wilson Energy Economics  
 Madison Gas & Electric Co.  
 Rockland Electric Company

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

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