

Market Implementation Committee
PJM Conference & Training Center, Audubon, PA
July 11, 2018
9:00 a.m. – 4:00 p.m. EPT

Administration

1. Ms. Bhavana Keshavamurthy and Ms. Chantal Hendrzak provided announcements; reviewed the Antitrust, Code of Conduct, and Public Meetings/Media Participation guidelines, the WebEx Participant Identification Requirement, and [Issue Tracking](#).

Mr. Ray Fernandez, PJM, provided an update on the settlements impacts of FERC EL05-121-009.

2. The Committee **approved** the draft minutes from the June 6, 2018 MIC meeting by acclamation with 0 objections and 0 abstentions.

Endorsements/Approvals

3. **Governing Document Revisions for Seasonal Demand Response Registration**

Ms. Andrea Yeaton, PJM, and Ms. Terri Esterly, PJM, reviewed revisions to Manual 18: PJM Capacity Market, the Open Access Transmission Tariff (OATT) and the Reliability Assurance Agreement (RAA) associated with the registration process for aggregated seasonal Demand Response resources.

The Committee endorsed the Manual 18, OATT and RAA revisions by acclamation with 0 objections and 0 abstentions.

[Issue Tracking: Seasonal Demand Response Registration](#)

4. **FTR Credit Proposal**

Ms. Bridgid Cummings, PJM, reviewed two FTR Credit proposals developed at the Credit Subcommittee (CS), and the associated OATT revisions. Mr. Bruce Bleiweis, DC Energy proposed a friendly amendment to PJM package A, but PJM did not consider the amendment friendly. Mr. Bleiweis made a motion to consider the amendment as Package C, and the motion was seconded by Mr. Bob O'Connell, PPGI. The Committee voted on all three packages.

The Committee endorsed Package A (PJM) with 208 (95%) in favor, 12 (5%) opposed, and 21 abstentions.

The Committee did not endorse Package B (PJM) with 77 (35%) in favor, 141 (65%) opposed and 15 abstentions.

The Committee did not endorse Package C (DC Energy) with 51 (44%) in favor, 66 (56%) opposed and 119 abstentions.

The committee also preferred Package A over status quo with 193 (92%) in favor, 16 (8%) opposed, and 11 abstentions. Package A will move as the main motion to the July MRC.

[Issue Tracking: FTR Credit Enhancements](#)

First Readings

5. **Market Seller Offer Cap Balancing Ratio Proposal**

Mr. Pat Bruno, PJM, presented a first read of two draft proposals to address the Offer Cap Balancing Ratio issue. Ms. Sharon Midgley, Exelon, presented the Exelon proposal, and Mr. David Scarpignato, Calpine, presented the Calpine proposal. The Committee will be asked to endorse a proposal at the August MIC.

[Issue Tracking: Balancing Ratio Determination](#)

Working Issues

6. **FERC Order 831 – Offer Caps**

Ms. Susan Kenney, PJM, provided more information regarding Price-Based Offers greater than \$1,000/MWh as requested at the May 24 MRC meeting.

7. **Quadrennial Review**

Mr. Rich Brown, PJM, provided an overview of the Quadrennial Review schedule update. Mr. Jeff Bastian, PJM, reviewed the impact of Net E&AS Offset Recommendations.

8. **Variable Operations & Maintenance (VOM) Costs**

Ms. Suzanne Daugherty, PJM, provided a recap of why the VOM issue was brought back to the MIC for further discussion. Four VOM packages were reviewed by the package sponsors in the order in which they will be voted on at the July 26 MRC for endorsement.

- A. Mr. Brock Ondayko, AEP, reviewed the VOM default package which included the friendly amendment endorsed at the June MRC.
- B. Ms. Melissa Pilog, PJM, reviewed the PJM VOM package.
- C. Dr. Catherine Tyler, Monitoring Analytics, and Mr. Joel Luna, Monitoring Analytics, reviewed the IMM package.
- D. Mr. Brian Wilkie, RECO, reviewed the RECO VOM package.

Additional Updates

9. **FERC Order 844: Uplift Cost Allocation and Transparency**

Mr. Rami Dirani, PJM, provided a summary of FERC Order 844, and PJM's implementation plan.

[Issue Tracking: Market Operations Price Transparency](#)

10. **Must Offer Exception Process**

Mr. Pat Bruno, PJM, reviewed the Must Offer Exception Process issue and reviewed Stakeholder feedback.

[Issue Tracking: Must Offer Exemption Process](#)

11. **FTR Forfeiture Rule**

Mr. Brian Chmielewski, PJM, reviewed the posted FTR Forfeiture Rule Matrix. Members are encouraged to review and provide additional interests and design components to FTRGroup@pjm.com.

[Issue Tracking: FTR Forfeiture Rule Changes](#)

Informational Section

12. Problem Statement & Issue Charge – Fuel Requirements for Black Start Resources

Mr. David Schweizer, PJM, was available to answer questions related to the problem statement and issue charge to address Fuel Requirements for Black Start Resources. This issue will be worked in conjunction with the Operating Committee (OC).

13. PJM.com Data Retirements

Mr. Tom Zadlo, PJM, was available for questions related to Data Retirements on pjm.com.

14. Dominion Carolina 54 RAS/SPS Retirement

Mr. Craig Crider, Dominion, posted materials regarding the retirement of the Carolina 54 RAS/SPS.

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](#).

Interregional Coordination Update

Materials are posted as informational only.

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

| | | |
|--------------------|-----------|---|
| August 8, 2018 | 9:00 a.m. | PJM Conference & Training Center/ WebEx |
| September 12, 2018 | 9:00 a.m. | PJM Conference & Training Center/ WebEx |
| October 10, 2018 | 9:00 a.m. | PJM Conference & Training Center/ WebEx |
| November 7, 2018 | 9:00 a.m. | PJM Conference & Training Center/ WebEx |
| December 12, 2018 | 9:00 a.m. | PJM Conference & Training Center/ WebEx |

In-Person Meeting Attendees

| | | |
|------------------------------------|---------------------------------------|--------------------|
| Hendrzak, Chantal (Chair) | PJM Interconnection, LLC | Not Applicable |
| Keshavamurthy, Bhavana (Secretary) | PJM Interconnection, LLC | Not Applicable |
| Barker, Jason | Exelon Business Services Company, LLC | Transmission Owner |
| Beban, Madalyn | PJM Interconnection, LLC | Not Applicable |
| Benchek, Jim | American Transmission Systems, Inc. | Transmission Owner |

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|------------------------|---------------------------------------|----------------------|
| Bowring, Joe | Monitoring Analytics, LLC | Not Applicable |
| Brown, Rich | PJM Interconnection, LLC | Not Applicable |
| Bruno, Patrick | PJM Interconnection, LLC | Not Applicable |
| Canter, David | Appalachian Power Company | Transmission Owner |
| Chmielewski, Brian | PJM Interconnection, LLC | Not Applicable |
| D'Alessandris, Lou | FirstEnergy Solutions Corp. | Transmission Owner |
| Daugherty, Suzanne | PJM Interconnection, LLC | Not Applicable |
| Dirani, Rami | PJM Interconnection, LLC | Not Applicable |
| Drauschak, Lisa | PJM Interconnection, LLC | Not Applicable |
| Endress, Eric | PJM Interconnection, LLC | Not Applicable |
| Esterly, Theresa | PJM Interconnection, LLC | Not Applicable |
| Fabiano, Janell | PJM Interconnection, LLC | Not Applicable |
| Fernandez, Ray | PJM Interconnection, LLC | Not Applicable |
| Filomena, Guy | Customized Energy Solutions, Ltd. | Not Applicable |
| Fitch, Neal | NRG Power Marketing LLC | Generation Owner |
| Fuess, Christian | Other | Not Applicable |
| Greening, Michele | PJM Interconnection, LLC | Not Applicable |
| Greiner, Gary | PSEG Energy Resources and Trade LLC | Other Supplier |
| Hauske, Thomas | PJM Interconnection, LLC | Not Applicable |
| Hendrzak, Chantal | PJM Interconnection, LLC | Not Applicable |
| Horger, Tim | PJM Interconnection, LLC | Not Applicable |
| Horstmann, John | Dayton Power & Light Company (The) | Transmission Owner |
| Hudis, Gabriella | Jersey Green Energy LLC | Other Supplier |
| Johnson, Carl | Customized Energy Solutions, Ltd.* | Not Applicable |
| Josyula, Siva | Monitoring Analytics, LLC | Not Applicable |
| Kauffman, Brian | EnerNOC, Inc. | Other Supplier |
| Kennedy, Susan | PJM Interconnection, LLC | Not Applicable |
| Keshavamurthy, Bhavana | PJM Interconnection, LLC | Not Applicable |
| Kogut, George | New York Power Authority | Other Supplier |
| Lieberman, Steven | American Municipal Power, Inc. | Electric Distributor |
| Loomis, Harold | PJM Interconnection, LLC | Not Applicable |
| LOWE, CONNIE | Dominion Virginia Power | Not Applicable |
| Lu, Chenchao | PJM Interconnection, LLC | Not Applicable |
| Mabry, David | McNees Wallace & Nurick LLC | Not Applicable |
| Manion, Evelyn | PJM Interconnection, LLC | Transmission Owner |
| Midgley, Sharon | Exelon Business Services Company, LLC | Transmission Owner |
| Morelli, Lisa | PJM Interconnection, LLC | Not Applicable |
| Nix, Emma | PJM Interconnection, LLC | Not Applicable |
| Philips, Marjorie | Direct Energy Business, LLC | Other Supplier |
| Pilong, Melissa | PJM Interconnection, LLC | Not Applicable |
| Pratzon, David | GT Power Group | Not Applicable |
| Scarpignato, David | Calpine Energy Services, L.P. | Generation Owner |
| Scheidecker, Paul | PJM Interconnection, LLC | Not Applicable |
| Souder, Michelle | PJM Interconnection, LLC | Not Applicable |
| Stotesbury, Christina | PJM Interconnection, LLC | Not Applicable |
| Suh, Jung | Calpine Energy Services, L.P. | Generation Owner |
| Sweeney, Rory | RTO Insider | Not Applicable |
| Trayers, Barry | Citigroup Energy, Inc. | Other Supplier |
| Tribulski, Jennifer | PJM Interconnection, LLC | Not Applicable |
| Turkaly, Joy | PIOGA | Not Applicable |
| Tyler, Catherine | Monitoring Analytics | Not Applicable |
| Whitehead, Jeffrey | GT Power Group | Not Applicable |
| Wilkie, Brian | Rockland Electric Company | Transmission Owner |
| Yeaton, Andrea | PJM Interconnection, LLC | Not Applicable |

WebEx Meeting Participants

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|----------------------|--|----------------------|
| Aguilar, Fabiano | Strom Power, LLC | Other Supplier |
| Ainspan, Malcolm | Energy Curtailment Specialists, Inc. | Other Supplier |
| Anderson, Jared | SPG Global | Not Applicable |
| Bazar, Kevin | PJM Interconnection, LLC | Not Applicable |
| Bhavaraju, Murty | PJM Interconnection, LLC | Not Applicable |
| Bolan, Martin | FirstEnergy Solutions Corp. | Transmission Owner |
| Boyle, Glen | PJM Interconnection, LLC | Not Applicable |
| Bresler, Stu | PJM Interconnection, LLC | Not Applicable |
| Britt, Debbie | North Carolina Electric Membership Corporation | Electric Distributor |
| Bryson, Mike | PJM Interconnection, LLC | Not Applicable |
| Burnley, Helen | PJM Interconnection, LLC | Not Applicable |
| Campbell, Bruce | EnergyConnect, Inc. | Other Supplier |
| Carmean, Greg | OPSI | Not Applicable |
| Cawley, Troy | PJM Interconnection, LLC | Not Applicable |
| Chintapalli, Raj | BP Energy Company | Power Marketer |
| Chocarro, Iker | E.ON Climate & Renewables North America, Inc. | Generation Owner |
| Ciabattoni, Joe | PJM Interconnection, LLC | Not Applicable |
| Cimino, David | PSEG Energy Resources and Trade LLC | Transmission Owner |
| Cocco, Michael | Old Dominion Electric Cooperative | Electric Distributor |
| Cox, Phil | Appalachian Power Company | Transmission Owner |
| Coyne, Suzanne | PJM Interconnection, LLC | Not Applicable |
| Crider, Craig | Dominion Virginia Power | Not Applicable |
| D'Alessandris, Lou | FirstEnergy Solutions Corp. | Transmission Owner |
| Davis, Elizabeth | PJM Interconnection, LLC | Not Applicable |
| DeLosa, Joe | NJ Board of Public Utilities | Not Applicable |
| DePillo, Ray | PSEG Energy Resources and Trade LLC | Transmission Owner |
| Desousa, Chris | PSEG Energy Resources and Trade LLC | Transmission Owner |
| DiNicola, Laura | FirstEnergy Solutions Corp. | Transmission Owner |
| Driscoll, Mary Ellen | PJM Interconnection, LLC | Not Applicable |
| Dugan, Chuck | East Kentucky Power Cooperative, Inc. | Transmission Owner |
| Egan, Amanda | PJM Interconnection, LLC | Not Applicable |
| Erffmeyer, Jack | Illinois Attorney General Office | Not Applicable |
| Ford, Adrien | Old Dominion Electric Cooperative | Electric Distributor |
| Gahimer, Mike | IN Office of Utility Consumer Counselor | Not Applicable |
| Gebolys, Debbie | Public Utilities Commission of Ohio (The) | Not Applicable |
| Gilani, Rehan | ConEdison Energy, Inc. | Other Supplier |
| Giraldo, Juan | Monitoring Analytics, LLC | Not Applicable |
| Gorman, Kevin | Highlands Energy Group LLC (The) | Other Supplier |
| Guntle, Vince | UGI Development Company | Generation Owner |
| Hanser, Erik | Michigan Public Service Commission | Not Applicable |
| Harmon, Mike | Union Electric Company d/b/a Ameren Missouri | Other Supplier |
| Hayik, Seth | Monitoring Analytics, LLC | Not Applicable |
| Heinle, Erik | D.C. Office of the People's Counsel | Not Applicable |
| Heisey, Bradley | Wolf Hills Energy, LLC | Generation Owner |
| Helms, Joe | Rainbow Energy Marketing Corporation | Other Supplier |
| Hoatson, Tom | LS Power | Not Applicable |
| Hohenshilt, Jennifer | Talen Energy Marketing, LLC | Generation Owner |
| Holdbrook, Ruth | Northern Virginia Electric Cooperative | Electric Distributor |
| Holland, Risa | PJM Interconnection, LLC | Not Applicable |
| Hollis, Gabriel | NextEra Energy Transmission, LLC | Other Supplier |
| Horstmann, John | Dayton Power & Light Company (The) | Transmission Owner |
| Hsia, Eric | PJM Interconnection, LLC | Not Applicable |
| Hurwich, Mark | Elliott Bay Energy Trading, LLC | Other Supplier |
| Hyzinski, Tom | GT Power Group | Not Applicable |

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| Janicki, Diane | Boston Energy Trading & Marketing, LLC | Generation Owner |
| Jha, Monica | PCI | Not Applicable |
| Johnson, Carl | Customized Energy Solutions, Ltd.* | Not Applicable |
| Kelly, Stephen | Brookfield Energy Marketing LP | Other Supplier |
| Kharod, Ankit | PJM Interconnection, LLC | Not Applicable |
| Kilgallen, Kevin | Avangrid Renewables, LLC | Generation Owner |
| Kimmel, David | PJM Interconnection, LLC | Not Applicable |
| Kinser, Cynthia | Tennessee Department of Agriculture | 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 |
| Mancuso, Melanie | FirstEnergy Solutions Corp. | Transmission Owner |
| Manning, James | North Carolina Electric Membership Corporation | Electric Distributor |
| Marinelli, Rich | PSEG Energy Resources and Trade LLC | Transmission Owner |
| Martin, Valerie | The Federal Energy Regulatory Commission | Not Applicable |
| Marzewski, Skyler | Monitoring Analytics, LLC | Not Applicable |
| Meridionale, Kevin | FirstEnergy Solutions Corp. | Transmission Owner |
| Miller, John | Commonwealth Edison Company | Transmission Owner |
| O'Connell, Robert | PPGI Fund A/B Development, LLC | Generation Owner |
| Ondayko, Brock | Appalachian Power Company | Transmission Owner |
| O'Neill, Jack | PJM Interconnection, LLC | Not Applicable |
| Pakela, Gregory | DTE Energy Trading, Inc. | Other Supplier |
| Patel, Keyurbhai | PJM Interconnection, LLC | Not Applicable |
| Pelletier, Eveline | Hydro-Quebec | Not Applicable |
| Peoples, John | Duquesne Light Company | Transmission Owner |
| Price, Mark | DC Energy Mid-Atlantic, LLC | Other Supplier |
| Price, Ruth | Division of the Public Advocate of the State of Delaware | End User Customer |
| Ramsey, James | Suffolk Fund LLC | Other Supplier |
| Rayhorn, Carolyn | Dominion Virginia Power | Not Applicable |
| Rohrbach, John | Southern Maryland Electric Cooperative | Electric Distributor |
| Rothey, Kristin | American Municipal Power, Inc. | Electric Distributor |
| Ruck, Andrew | PSEG Energy Resources and Trade LLC | Transmission Owner |
| Sasser, Jonathan | Customized Energy Solutions, Ltd.* | Not Applicable |
| Schmatz, Peter | PSEG Energy Resources and Trade LLC | Transmission Owner |
| Schmitt, Jeff | PJM Interconnection, LLC | Not Applicable |
| Schneider, Jon | FirstEnergy Solutions Corp | Transmission Owner |
| Schultheis, Dan | Constellation Energy Services, Inc. | Other Supplier |
| Shah, Vijay | PJM Interconnection, LLC | Not Applicable |
| Shanker, Roy | H.Q. Energy Services (U.S.), Inc. | Other Supplier |
| Sillin, John | The Federal Energy Regulatory Commission | Not Applicable |
| Singer, Chad | Fellon McCord | Not Applicable |
| Snyder, Susan | PJM Interconnection, LLC | Not Applicable |
| Steele, Robert | Sanitas Power, LLC | Other Supplier |
| Stone, Andy | PJM Interconnection, LLC | Not Applicable |
| Stotesbury, Christina | PJM Interconnection, LLC | Not Applicable |
| Sturgeon, John | Duke Energy Carolinas, LLC | Other Supplier |
| Tangirala, Subha | ABB | Not Applicable |
| Thompson, Matthew | XO Energy MA | Other Supplier |
| Turkaly, Joyce | PIOGA | Not Applicable |
| Tyler, Catherine | Monitoring Analytics, LLC | Not Applicable |
| VanderLaan, Bill | Illinois Commerce Commission | Not Applicable |
| Wadsworth, Joseph | Vitol Inc. | Other Supplier |
| Walter, Laura | PJM Interconnection, LLC | Not Applicable |
| Ward, Michael | PJM Interconnection, LLC | Not Applicable |
| Warshel, Kim | PJM Interconnection, LLC | Not Applicable |



Draft Minutes

Wei, Jane
Wilhite, Chad
Wilkie, Brian
Williams, Stanley
Wilson, James
Yang, Dan

Monitoring Analytics, LLC
FirstEnergy Solutions Corp.
Consolidated Edison Solutions, Inc
PJM Interconnection, LLC
Wilson Energy Economics
Parma Energy LLC

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

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