Draft Minutes

Market Implementation Committee
PJM Conference and Training Center
January 10, 2024
9:00 a.m. – 12:00 p.m. EPT

Administration (9:00 – 9:05)

Amanda Martin, PJM, will reviewed the Antitrust, Code of Conduct, Public Meetings/Media Participation and WebEx Participant Identification Requirements.

The committee approved the draft minutes from the December 6, 2023 Market Implementation Committee meeting and the December 6, 2023 Special Session on Offer Verification Education by acclamation with 0 objections and 0 abstentions.

1. Foluso Afelumo, PJM, reviewed the MIC Charter and solicit feedback. The contents of the charter remain unchanged. The committee will be asked to endorse the charter at its next meeting.

The committee requested the Informational item for Simulation Analysis of PJM CIFP-RA Filing be placed on the agenda. The chair declined the agenda item request for January and recommended it to be included for the February meeting. **Alex Stern, Exelon, motioned to overrule the chair's decision. David Scaripignato, Calpine, seconded the motion. The committee voted by acclamation in favor of the overruling with 0 objections and 0 abstentions.**

First Reads (9:05 – 9:50)

2. Real Time Temporary Exceptions (9:05 – 9:15)
   Lauren Strella Wahba, PJM, reviewed revisions to Manual 11: Energy & Ancillary Services Market Operations resulting from Docket No. EL21-78-000 on Real-time Values.
   The Committee will be asked to endorse the revisions at its next meeting.

3. Interface Pricing (9:15 – 9:40)
   Zhenyu Fan, PJM, reviewed a problem statement, issue charge and revisions to Manual 11: Energy & Ancillary Services Market Operations for interface pricing points reviews.
   The Committee will be asked to approve the issue charge and endorse the revisions as part of the Quick Fix process outlined in Section 8.6.1 of Manual 34 at its next meeting.

4. Condensing Costs (9:40 – 9:50)
   David Hauske, PJM, presented a joint PJM/IMM package for Condensing Costs, coming from the Cost Development Subcommittee.
   The Committee will be asked to endorse the package at its next meeting.

Working Items (9:50 – 11:40)

5. Capacity Obligations for Forecasted Large Load Adjustments (9:50 – 10:20)
   a. Foluso Afelumo led a discussion on solution options within the matrix.
   b. Jim Davis, Dominion, and Josh Burkholder, AEP, presented the AEP/DOM package.

Issue Tracking: Capacity Obligations for Forecasted Large Load Adjustments

6. Evaluation of Energy Efficiency Resources (10:20 – 11:40)
    a. Joe Bowring and Paul Scheidecker, Monitoring Analytics, presented preliminary education on issues related to the inclusion of EE in the PJM Capacity Market.
    ~~b. Ed Rich, Tim Bachus, and Pete Langbein, PJM, provided follow-up education based on prior requests.~~
    ~~c. Foluso Afelumo led a discussion on design components, status quo and as time permits, solution options within the matrix.~~

    Issue Tracking: Evaluation of Energy Efficiency Resources

Additional Items (11:40 – 11:50)

7. Cost Development Subcommittee Update (11:40 – 11:45)
    Heather Reiter, PJM, provided a Cost Development Subcommittee update.

8. Distributed Resources Subcommittee Update (11:45 – 11:50)
    Ilyana Dropkin, PJM, will provided a Distributed Resources Subcommittee update.

9. Simulation Analysis of PJM CIFP-RA Filing
    Skyler Marzewski, PJM, presented the findings from the simulation analysis of the PJM CIFP-RA Filing.

Informational Section

Unit Specific Parameters
Materials are posted as informational only.

Simulation Analysis of PJM CIFP-RA Filing
Materials are posted as informational only.

Interregional Coordination Update
Materials are posted as informational only.

Stability Limits in Markets and Operations
Materials are posted as informational only.

ARR FTR Market Task Force (AFMTF)
Meeting materials are posted to the AFMTF website.

Cost Development Subcommittee (CDS)
Meeting materials are posted to the CDS website.

Distributed Resources Subcommittee (DISRS)
Meeting materials are posted to the DISRS website.

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

Report on Market Operations

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

Attendance

In-Person		
Name	**Company Name**	**Sector**
Afelumo, Foluso	PJM Interconnection	None
Martin, Amanda	PJM Interconnection	None
Abram, Ben	Affirmed Energy LLC (WMP)	None
Arkatin, Tyler	PJM Interconnection	None
Barker, Jason	Vitol Inc.	Generation Owner
Boyle, Glen	PJM Interconnection	None
Chmielewski, Brian	PJM Interconnection	None
Ciabattoni, Joseph	PJM Interconnection	None
Connolly, Matthew	PJM Interconnection	None
Dantonio, Phil	PJM Interconnection	None
Dropkin, Ilyana	PJM Interconnection	None
Fan, Zhenyu	PJM Interconnection	None
Fishback, Luke	Affirmed Energy LLC (WMP)	Other Supplier
Fultz, McClain	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Gledhill, Andrew	PJM Interconnection	None
Greening, Michele	PJM Interconnection	None
Hauske, David	PJM Interconnection	None
Hayik, Seth	PJM Interconnection	None
Horger, Tim	PJM Interconnection	None
Kirk, Steven	NextEra Energy Marketing, LLC	Other Supplier
Kogut, George	New York Power Authority	Other Supplier
Langbein, Peter	PJM Interconnection	None
LeithYessian, Devin	RTOinsider	None
Lu, Chenchao	PJM Interconnection	None
Marzewski, Skyler	PJM Interconnection	None
Mason, Gary	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Mroz, David	PJM Interconnection	None
Newbold, Russ	Enerwise Global Technologies, LLC	Other Supplier
Noonan, Casey	PJM Interconnection	None
Rich, Ed	PJM Interconnection	None
Scarp, David	Calpine Energy Services, L.P.	Generation Owner
Stadelmeyer, Rebecca	Jersey Green Energy LLC	Other Supplier
Stern, Alexander	Exelon Business Services Company, LLC	Transmission Owner
Sweeney, Rory	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Tutino, Joseph	PJM Interconnection	None
Zack, Martin	Affirmed Energy LLC (WMP)	Other Supplier
Webex		
Name	**Company**	**Sector**
Acosta, Raquel	Michigan Public Service Commission	None
Afelumo, Foluso	PJM Interconnection	None
Akinkuolie, Hassan	Appalachain Power Company	Transmission Owner
Alexander, David	Pennsylvania Public Utility Commission	None
Anderson, Juliet	Constellation Energy Generation, LLC	Generation Owner
Anderson, Jared	S&P Global	None
Bachus, Tim	PJM Interconnection	None
Barker, Jason	Vitol Inc.	Generation Owner
Barrett, Emily	PJM Interconnection	None

Belenky, Maria	PJM Interconnection	None
Bleiweis, Bruce	DC Energy, LLC	Other Supplier
Bond, Danielle	Enerwise Global Technologies, LLC	Other Supplier
Borgatti, Mike	Jersey Green Energy LLC	Other Supplier
Bowker, Shannon	PJM Interconnection	None
Bowring, Joe	Monitoring Analytics	None
Boyle, Glen	PJM Interconnection	None
Breidenbaugh, Aaron	Stones DR, LLC	Other Supplier
Bruno, Joshua	PJM Interconnection	None
Burkholder, Joshua	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Callen, Zachary	Illinios Commerce Commission	None
Campbell, Bruce	Enerwise Global Technologies, LLC	Other Supplier
Canchi, Devandra	Monitoring Analytics	None
Canter, David	Appalachian Power Company (AEP Generation)	Transmission Owner
Cao, Roger	PJM Interconnection	None
Carmean, Gregory	Organization of PJM States, Inc.	None
Carrier, Ronald	Big Lake Consulting Group, LLC	None
Carroll, Rebecca	PJM Interconnection	None
Chakraborty, Rahul	Virginia Electric & Power Company	Transmission Owner
Chang, Sean	Shell Energy North America (US), L.P.	Other Supplier
Chintapalli, Raj	BP Energy Company	Other Supplier
Christopher, Mahila	Public Utilities Commission of Ohio	None
Clayton, Bo	Affirmed Energy LLC (WMP)	Other Supplier
Clingan, Kristin	Ohio Public Utility Commission	None
Cobb, Patrick	PJM Interconnection	None
Cocco, Michael	Old Dominion Electric Cooperative	Electric Distributor
Concina, Wendell	Commonwealth Edison Company	Transmission Owner
Connolly, Matthew	PJM Interconnection	None
Corash, Richard	PSEG Energy Resources and Trade LLC	Other Supplier
Cox, Jason	EQ Energy Advisors, LLC	None
Coyle, Billy	Dominion Virginia Power	Transmission Owner
Croop, Danielle	PJM Interconnection	None
Curtis, Kenneth	Enverus, Inc.	None
Dadourian, John	Monitoring Analytics	None
Dantonio, Phil	PJM Interconnection	None
Dantonio, Phil	PJM Interconnection	None
Darlene, Philips	PJM Interconnection	None
Davies, Steve	Indiana Utility Regulatory Commission	None
Davis, David	Apex Clean Energy Holdings, LLC	None
Davis, James	Dominion Energy Generation Marketing, Inc.	Generation Owner
Dillon, Matthew	UGI Development Company	Generation Owner
DiMartino, Denise	PJM Interconnection	None
Ding, Congmei	PJM Interconnection	None
Domian, Christin	Duquesne Light Company	Transmission Owner
Dorko, Keri	Monitoring Analytics	None
Douglass, Robert	Constellation Energy Generation, LLC	Generation Owner
Downs, Jere	PJM Interconnection	None
Drauschak, Lisa	PJM Interconnection	None
Drom, Rick	Affirmed Energy LLC (WMP)	Other Supplier
Dropkin, Ilyana	PJM Interconnection	None
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Ericson, Christine	Illinois Commerce Commission	None
Esterly, Theresa	PJM Interconnection	None
Everngam, Scott	Blue Horseshoe Energy LLC	None
fan, zhenyu	PJM Interconnection	None
Fee, George		None

Fereshetian, Damon	PJM Interconnection	None
Filomena, Guy	Customized Energy Solutions, Ltd.	None
Fink, Sari	MAREC Action	None
Fitzpatrick, Brian	PJM Interconnection	None
Foladare, Kenneth	Geenex Solar LLC	Other Supplier
Foster Cronin, Denise	East Kentucky Power Cooperative, Inc.	Transmission Owner
Fox, Angela	Affirmed Energy LLC (WMP)	Other Supplier
Frogg, Darrell	PJM Interconnection	None
Fuess, Christian	Diamond State Generation Partners, LLC	Generation Owner
Fultz, McClain	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Garnett, Bryan	Duke Energy Ohio, Inc.	Transmission Owner
Gates, Terry	Appalachian Power Company (AEP Generation)	Transmission Owner
Gledhill, Andrew	PJM Interconnection	None
Gordon, Jon	Advanced Energy United	None
Gorman, Bradley	American Transmission Systems, Inc.	Transmission Owner
Graf, Walter	PJM Interconnection	None
Granstrand, Luke	Dominion Virginia Power	Transmission Owner
Greene, Benjamin	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Greening, Michele	PJM Interconnection	None
Guntle, Vince	American PowerNet Management, L.P.	End-Use Customer
Halay, Alina	FERC	None
Hanser, Erik	Michigan Public Service Commission	None
Hastings, David	PJM Committee Voting Generic Account	Other Supplier
Hauske, Thomas	PJM Interconnection	None
Hauske, David	PJM Interconnection	None
Heinle, Frederick	Dynegy Marketing and Trade, LLC	Generation Owner
Heisey, Bradley	Tenaska Pennsylvania Partners, LLC	Generation Owner
Hoatson, Tom	West Deptford Energy, LLC	Generation Owner
Hohenshilt, Jennifer	Talen Energy Marketing, LLC	Generation Owner
Holdbrook, Ruth	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Hooker ES, Marquette	Dominion Virginia Power	Transmission Owner
Horstmann, John	Dayton Power & Light Company (The)	Transmission Owner
Hough, James	PSEG Energy Resources & Trade LLC	Other Supplier
Hsia, Eric	PJM Interconnection	None
Hu, Yong	PJM Interconnection	None
Hudis, Gabriella	Jersey Green Energy LLC	Other Supplier
Hull, Gerit	American Municipal Power, Inc.	Electric Distributor
Hurd, Shawn	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Hurd, Shawn	First Energy Corp.	Transmission Owner
Hyatt, John	Monitoring Analytics	None
Hyatt, Earl	Monitoring Analytics	None
Hyzinski, Thomas	PJM Committee Voting Generic Account	None
Iler, Arthur	Indiana Office of Utility Consumer Counselor	None
Ingraham, Deborah	Acciona Energy North America Corporation	Generation Owner
Janas, Kimberly	Illinois Attorney General's Office	None
Janicki, Diane	Boston Energy Trading and Marketing LLC	Other Supplier
Jardot, Gina	NRG Curtailment Solutions, Inc.	Other Supplier
Johnson, Carl	Customized Energy Solutions, Ltd.	None
Johnston, David	Other	None
Jones, Scott	Other	None
Kalaskar, Rahul	AES Laurel Mountain, LLC	Generation Owner
Keech, Adam	PJM Interconnection	None
Kelly, Stephen	Brookfield Renewable Trading and Marketing LP (BSMH)	Other Supplier
Kent, Janessa	Duquesne Light Company	Transmission Owner
Keshavamurthy, Bhavana	PJM Interconnection	None

Kilgallen, Kevin	Avangrid Renewables, LLC	Generation Owner
Klicker, Owen	PJM Interconnection	None
Klingensmith, Laurel	American Transmission Systems, Inc.	Transmission Owner
kosner, bob	Illinois Municipal Electric Agency	Electric Distributor
Lacek, Mollie	PJM Interconnection	None
Laios, Takis	Appalachian Power Company (AEP Transmission)	Transmission Owner
Langbein, Peter	PJM Interconnection	None
Leith-Yessian, Devin	RTO Insider	None
Lejcar, Jamie	Allegheny Electric Cooperative, Inc.	Electric Distributor
Lescano, Amanda	New Jersey Board of Public Utilities	None
Mabry, David	McNees Wallace & Nurick LLC	None
Marcino, Angelo	PJM Interconnection	None
Martin, Amanda	PJM Interconnection	None
Marzewski, Skyler	PJM Interconnection	None
Mason, Gary	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Matheson, Eric	Pennsylvania Public Utility Commission	None
Matuszak, Alex	UGI Energy Services, LLC	Other Supplier
Maucher, Andrea	Delaware Division of the Public Advocate	End-Use Customer
McClure, Emily	Illinois Commerce Commission	None
McDewell, Christian	Pennsylvania Public Utility Commission	None
McNicholas, Daniel	Nautilus Power, LLC	Generation Owner
Messina, Emmy	PJM Interconnection	None
Midgley, Sharon	Exelon Business Services Company, LLC	Transmission Owner
Miller, John	Calico Energy	None
Mok, Alan	Duke Energy Business Services LLC	Transmission Owner
Mooney, Molly	PJM Interconnection	None
Mooney, Jeffrey	Allegheny Power (MonPwr Gen)	Transmission Owner
Morelli, Lisa	PJM Interconnection	None
Moscovitz, Daniel	PJM Interconnection	None
Moskowitz, Sarah	Illinois Citizen Utility Board	End-Use Customer
Newbold, Russ	Enerwise Global Technologies, LLC	Other Supplier
Nix, Emma	Leeward Asset Management, LLC	Generation Owner
Noonan, Casey	PJM Interconnection	None
Norton, Chris	American Municipal Power, Inc.	Electric Distributor
Olaleye, Michael	PJM Interconnection	None
Olinger, Robert	Keystone-Conemaugh Projects, LLC (Keystone)	Other Supplier
Ondayko, Brock	AEP Energy Partners, Inc. (AEP Gen Resources)	Transmission Owner
Osborn, Eric	EDF Trading North America, LLC	Other Supplier
Pakela, Greg	DTE Energy Trading, Inc.	Other Supplier
patel, keyurbhai	PJM Interconnection	None
Patel, Harshil	PJM Interconnection	None
Peoples, John	Duquesne Light Company	Transmission Owner
Pilong, Melissa	PJM Interconnection	None
Poulos, Greg	Consumer Advocates of the PJM States, Inc.	None
Pungaliya, Rajat	NedPower Mount Storm, LLC	Generation Owner
Rasmussen, Jay	Duke Energy Business Services LLC	Transmission Owner
Reagan, Ryann	New Jersey Board of Public Utilities	None
Reiter, Heather	PJM Interconnection	None
Richards, Wade	Apex Clean Energy Holdings, LLC	None
Rocha-Garriso, Patricio	PJM Interconnection	None
Rode, Advait	Michigan Public Service Commission	None
Rohrbach, John	Wabash Valley Power Association, Inc.	Electric Distributor
Rosenthal, Peter	CCI U.S. Power Trading LLC	Other Supplier
Salaneck, Alexandra	Monitoring Analytics	None
Salman, Tony	Duke Energy Kentucky, Inc.	Transmission Owner
Sammartino, Michael	Maryland Office of People's Counsel	End-Use Customer

Sasser, Jonathan	Customized Energy Solutions, Ltd.	None
Scarp, David	Calpine Energy Services, L.P.	Generation Owner
Scheidecker, Paul	Monitoring Analytics	None
Scheirer, Alexandra	PJM Interconnection	None
Scherling, Eric	PJM Interconnection	None
Schmatz, Peter	PSEG Energy Resources and Trade LLC	Other Supplier
Schuyler, Ken	PJM Interconnection	None
Screim, Morris	Maryland Public Service Commission	None
Seelaus, Andy	Enerwise Global Technologies, LLC	Other Supplier
Selick, Sam	Customized Energy Solutions, Ltd.	None
Sims, Ryan	Interstate Gas Supply, LLC	Other Supplier
Sloan, Ben	Organization of PJM States, Inc.	None
Smith, Kara	Buckeye Power, Inc.	Electric Distributor
Sotkiewicz, Paul	E-Cubed Policy Associates	None
Stadelmeyer, Rebecca	Jersey Green Energy LLC	Other Supplier
Stein, Ed	First Energy Corp.	Transmission Owner
Stern, Alexander	Exelon Business Services Company, LLC	Transmission Owner
Stinner, Doug	RWE Clean Energy, LLC	Generation Owner
Stone, Andy	Andy Stone	None
Storino, Laura	NJ Board of Public Utilities	None
Strella Wahba, Lauren	PJM Interconnection	None
Sturgeon, John	Duke Energy Business Services LLC	Transmission Owner
Svenson, Heather	Public Service Electric and Gas Company	Transmission Owner
Swalwell, Brad	Tangent Energy Solutions, Inc.	Other Supplier
Sweeney, Rory	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Talebi, Tessa		None
Tangirala, Subha	Hitachi Energy USA Inc.	None
Taylor, Daniel	PJM Interconnection	None
Theaker, Brian	Big Sandy Peaker Plant, LLC	Generation Owner
Theodore, Sharon	Other	None
Tyler, Catherine	Monitoring Analytics	None
Ushijima, Hiroaki	Elwood Energy, LLC	Generation Owner
VanBlargan, Bryna	Sabinsville SunPower, LLC	None
VanderLaan, William	Illinois Commerce Commission	None
Vinnik, Daniel	PJM Interconnection	None
Waweru, James	PJM Interconnection	None
Wehnes, Kathleen	retired	None
Wharton, Matthew	PJM Interconnection	None
Whitehead, Jeffrey	GT Power Group	None
Wingfield, Derek	East Kentucky Power Cooperative, Inc.	Transmission Owner
Winter, Eric	Vitol Inc.	Generation Owner
Wu, Mia	PJM Interconnection	None
Wydner, Miachel	Altrock LLC	Other Supplier
Yasutake, Sarah	Jersey Green Energy LLC	Other Supplier
Yovanovich, Laura	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Zemanek, Kevin	Ohio Edison Company	Electric Distributor
Zhang, Mike	PJM Interconnection	None
Zhao, Tong	PJM Interconnection	None
Zhou, Ming	DXT Commodities North America Inc.	Other Supplier

Future Meeting Dates and Materials			**Materials Due to Secretary**	**Materials Published**
Date	**Time**	**Location**	*5:00 p.m. EPT deadline**	

February 7	9 a.m.	WebEx / Conference & Training Center	January 26	January 31
March 6	9 a.m.	WebEx / Conference & Training Center	February 23	February 28
April 3	9 a.m.	WebEx / Conference & Training Center	March 22	March 27
May 1	9 a.m.	WebEx Only	April 19	April 24
June 5	9 a.m.	WebEx / Conference & Training Center	May 24	May 29
July 10	9 a.m.	WebEx / Conference & Training Center	June 28	July 3
August 7	9 a.m.	WebEx / Conference & Training Center	July 26	July 31
September 11	9 a.m.	WebEx / Conference & Training Center	August 30	September 4
October 9	9 a.m.	WebEx / Conference & Training Center	September 27	October 2
November 7	9 a.m.	WebEx / Conference & Training Center	October 26	October 31
December 4	9 a.m.	WebEx / Conference & Training Center	November 22	November 27

*Materials received after 12:00 p.m. EPT are not guaranteed timely posting by 5:00 p.m. EPT on the same day.

Author: Amanda Martin

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Code of Conduct:
As a mandatory condition of attendance at today's meeting, attendees agree to adhere to the Code of Conduct as detailed in PJM Manual M-34 section 4.5, including, but not limited to, participants' responsibilities and rules regarding the dissemination of meeting discussion and materials. Expectations for participating in PJM activities are further detailed in the PJM Code of Conduct.

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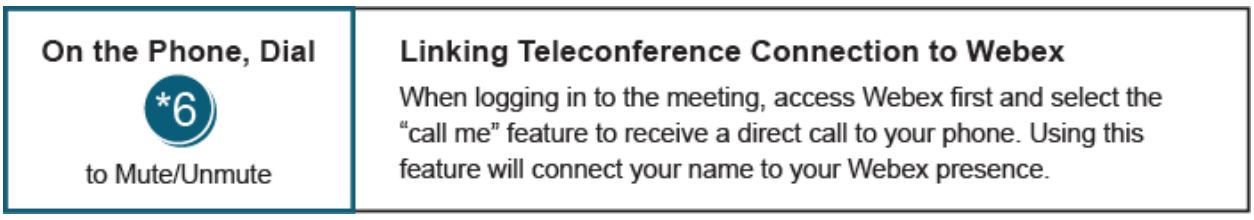

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