

Market Implementation Committee  
WebEx / Conference & Training Center  
September 6, 2023  
9:00 a.m. – 12:30 p.m. EPT

## Administration (9:00 – 9:05)

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

**The Committee approved the draft minutes from the August 9, 2023 Market Implementation Committee by acclamation with 0 objections and 0 abstentions.**

## Endorsements/Approvals (9:05 – 10:50)

### 1. Manual 28 Periodic Review (9:05 – 9:15)

Suzanne Coyne, PJM, reviewed revisions to Manual 28: Operating Agreement Accounting resulting from the periodic review and the Undefined RegA Mileage Ratio FERC order EL21-83-000 effective on April 4, 2023.

**The committee endorsed the revisions at this meeting by acclamation with 0 objections and 0 abstentions.**

### 2. Economic Demand Response Offer Parameters (9:15 – 10:00)

- a. Pete Langbein, PJM, provided education on status quo of demand response in PJM.
- b. David Aitoro, Voltus, reviewed a revised problem statement and revised issue charge for automating bid duration for economic demand response participating in energy markets.

The issue charge was withdrawn for consideration at this meeting will be reviewed for approval at a future meeting.

## First Reads (10:00 – 12:15)

### 3. Performance Impact of the Multi-schedule Model on the Market Clearing Engine (10:00 – 11:00)

- a. Catherine Tyler, IMM, presented a joint IMM/GT Power package.
- b. Amanda Martin presented a comparison of packages.
- c. Foluso Afelumo led a discussion on the packages.

The committee will be asked to endorse a package at its next meeting.

[Issue Tracking: Performance Impact of the Multi-schedule Model on the Market Clearing Engine](#)

### 4. Local Considerations in Net Cost of New Entry (11:00 – 11:45)

- a. Gary Helm, PJM, reviewed the PJM-E-cubed-IMM package.
- b. Foluso Afelumo led a discussion on packages and next steps.

The committee will be asked to endorse a package at its next meeting.

[Issue Tracking: Local Considerations in Net Cost of New Entry](#)

### 5. Capacity Obligations for Forecasted Large Load Additions (11:45 – 12:15)

Josh Burkholder, AEP, and Jim Davis, Dominion, reviewed a problem statement and issue charge addressing capacity obligations for forecasted large load additions within a concentrated area. The committee will be asked to approve the issue charge at its next meeting.

## Additional Items (12:15 – 12:20)

6. Cost Development Subcommittee Update (12:15 – 12:20)  
Nicole Scott provided a Cost Development Subcommittee update.

## Informational Section

### eDART to SSO Account Migration

[Presentation](#) posted as informational only

### Reserve Price Formation Update

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](#).

### Reactive Power Compensation Task Force (RPCTF)

Meeting materials are posted to the [RPCTF 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](#).

Future Meeting Dates and Materials			Materials Due to Secretary 	Materials Published
Date	Time	Location	5 p.m.	4 p.m.
October 4	9 a.m.	WebEx / Conference & Training Center	September 22	September 27
November 1	9 a.m.	WebEx / Conference & Training Center	October 20	October 25

December 6	9 a.m.	WebEx / Conference & Training Center	November 22	November 29
------------	--------	--------------------------------------	-------------	-------------

Author: A. Martin

## Attendance

In-Person Attendance		
Name	Company	Sector
Afelumo, Foluso	PJM Interconnection	None
Anders, David	PJM Interconnection	None
Arkatin, Tyler	PJM Interconnection	None
Burkholder, Joshua	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Cabezas, Angela	PJM Interconnection	None
Carroll, Rebecca	PJM Interconnection	None
Chmielewski, Brian	PJM Interconnection	None
Connolly, Matthew	PJM Interconnection	None
Coyne, Suzanne	PJM Interconnection	None
Croop, Danielle	PJM Interconnection	None
Davis, Jim	Dominion	Transmission Owner
Dumitriu, Nicolae	PJM Interconnection	None
Filomena, Guy	Customized Energy Solutions, Ltd.	None
Fishback, Luke	Affirmed Energy LLC (WMP)	Other Supplier
Ford, Adrien	Constellation Energy Generation, LLC	Generation Owner
Gledhill, Andrew	PJM Interconnection	None
Greening, Michele	PJM Interconnection	None
Helm, Gary	PJM Interconnection	None
Hohenshilt, Jennifer	Talen Energy Marketing, LLC	Generation Owner
Horger, Tim	PJM Interconnection	None
Horning, Lynn Marie	American Municipal Power, Inc.	Electric Distributor
Kirk, Steven	NextEra Energy Marketing, LLC	Other Supplier
Kogut, George	New York Power Authority	Other Supplier
Langbein, Peter	PJM Interconnection	None
Leith-Yessian, Devin	RTOinsider	None
Lu, Chenchao	PJM Interconnection	None
Martin, Amanda	PJM Interconnection	None
Mason, Gary	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Morelli, Lisa	PJM Interconnection	None
Patel, Keyurbhai	PJM Interconnection	None
Scarp, David	Calpine Energy Services, L.P.	Generation Owner
Stern, Alexander	Exelon Business Services Company, LLC	Transmission Owner
Stinner, Doug	RWE Clean Energy, LLC	Generation Owner
Suh, Jung	Calpine Energy Solutions, LLC	Other Supplier
Sweeney, Rory	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Sweeney, Rory	Power Prose, Inc.	None
Tribulski, Jennifer	PJM Interconnection	None
Tyler, Catherine	Monitoring Analytics	None
WebEx Attendance		
Name	Company	Sector
Abdur-Rahman, Muhsin	Dynegy Marketing & Trade, LLC (DECAM)	Generation Owner
Aitoro, David	Voltus	Other Supplier
Almonte, Arelis	PJM Interconnection	None
Anderson, Juliet	Constellation Energy Generation, LLC	Generation Owner
Baizman, Aaron	PJM Interconnection	None
Baker, Scott	PJM Interconnection	None
Barker, Jason	VC Renewables	None
Belenky, Maria	PJM Interconnection	None
Bleiweis, Bruce	DC Energy, LLC	Other Supplier
Bowring, Joseph	Monitoring Analytics	None
Boyle, Glen	PJM Interconnection	None
Breeding, Michael	PJM Interconnection	None
Breidenbaugh, Aaron	Stones DR, LLC	Other Supplier
Bresler, Stu	PJM Interconnection	None

Brodbeck, John	EDP Renewables	Generation Owner
Bryson, Michael	PJM Interconnection	None
Callen, Zachary	Illinois Commerce Commission	None
Cao, Roger	PJM Interconnection	None
Carmean, Gregory	Organization of PJM States, Inc.	None
Carrier, Ronald	Big Lake Consulting Group, LLC	None
Carson, Donna	East Kentucky Power Cooperative, Inc.	Transmission Owner
Chang, Sean	Shell Energy North America (US), L.P.	Other Supplier
Christopher, Mahila	Public Utilities Commission of Ohio	None
Chu, George	PJM Interconnection	None
Ciabattoni, Joseph	PJM Interconnection	None
Cobb, Patrick	PJM Interconnection	None
Cocco, Michael	Old Dominion Electric Cooperative	Electric Distributor
Conant, Portia	Yes Energy LLC	None
Concina, Wendell	Commonwealth Edison Company	Transmission Owner
Cox, Jason	EQ Energy Advisors, LLC	None
Davis, James	Dominion Energy Generation Marketing, Inc.	Generation Owner
Davis, David	Apex Clean Energy Management, LLC	None
Dillon, Matt	UGI Energy Services	Other Supplier
DiNicola, Laura	American Transmission Systems, Inc.	Transmission Owner
Domian, Christin	Duquesne Light Company	Transmission Owner
Dorko, Keri	Monitoring Analytics	None
Douglass, Robert	Constellation	Generation Owner
Downs, Jere Williamson	PJM Interconnection	None
Dropkin, Ilyana	PJM Interconnection	None
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Dumitriu, Nicolae	PJM Interconnection	None
Edmonds, Brian	DC Public Service Commission	None
Ejebe, Gabriel	Open Access Technology International, Inc.	None
Ericson, Christine	Illinois Commerce Commission	None
Esquivel, Manuel	Enel X North America, Inc.	Other Supplier
Fan, Zhenyu	PJM Interconnection	None
Feng, Julian	PJM Interconnection	None
Fereshetian, Damon	PJM Interconnection	None
Fernandez, Ray	PJM Interconnection	None
Fink, Sari	American Clean Power Association	None
Fitch, Neal	NRG Business Marketing LLC (NRGPM)	Other Supplier
Fitzpatrick, Brian	PJM Interconnection	None
Foladare, Kenneth	Geenex Solar LLC	Other Supplier
Frogg, Darrell	PJM Interconnection	None
Fuess, Christian	White Pine Energy Consulting	None
Fultz, McClain	PPL Electric Utilities Corp. dba PPL Utilities (LSE)	Transmission Owner
Gates, Terry	Appalachian Power Company (AEP Generation)	Transmission Owner
Gilani, Rehan	Consolidated Edison	Other Supplier
Glazer, Grant	MN8 Energy	None
Gordon, Jon	Advanced Energy United	None
Gorman, Bradley	American Transmission Systems, Inc.	Transmission Owner
Greene, Benjamin	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Guntle, Vince	American PowerNet Management, L.P.	End-Use Customer
Halay, Alina	FERC	None
Hanawa, Angie	Enel X North America, Inc.	Other Supplier
Hanser, Erik	Michigan Public Service Commission	None
Haque, Asim	PJM Interconnection	None
Hastings, David	PSEG	Transmission Owner
Hatch, Kevin	PJM Interconnection	None
Hauske, David	PJM Interconnection	None
Hauske, Thomas	PJM Interconnection	None
Hayik, Seth	PJM Interconnection	None
Heinle, Frederick	Dynegy Marketing and Trade, LLC	Generation Owner
Heinle, Erik	Vistra	None
Herel, Suzanne	PJM Interconnection	None
Holdbrook, Ruth	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Holland, Risa	PJM Interconnection	None

Hudis, Gabriella	Gabel & Associates	None
Hugee, Jacqui	Dominion Energy	Generation Owner
Hull, Gerit	American Municipal Power, Inc.	Electric Distributor
Hurd, Shawn	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Hurwich, Mark	Elliott Bay Energy Trading, LLC	Other Supplier
Hyatt, Earl	Monitoring Analytics	None
Hyzinski, Thomas	GT Power Group	None
Iler, Arthur	Indiana Office of Utility Consumer Counselor	None
Ingraham, Deborah	Acciona Energy North America Corporation	Generation Owner
Janicki, Diane	Boston Energy Trading and Marketing	Other Supplier
Johnson, Carl	Customized Energy Solutions	None
Johnston, David	Other	None
Jones, Scott	Other	None
Kelly, Stephen	Brookfield Renewable Trading and Marketing LP (BSMH)	Other Supplier
Kenney, Susan	PJM Interconnection	None
Keshavamurthy, Bhavana	PJM Interconnection	None
Kilgallen, Kevin	Avangrid Renewables, LLC	Generation Owner
Kimmel, David	PJM Interconnection	None
Klingensmith, Laurel	American Transmission Systems, Inc.	Transmission Owner
Lai, Erin	PJM Interconnection	None
Laios, Takis	Appalachian Power Company (AEP Transmission)	Transmission Owner
Lawson, Ryan	Dominion Virginia Power	Transmission Owner
Lee, Ray	PJM Interconnection	None
Lejcar, Jamie	Allegheny Electric Cooperative, Inc.	Electric Distributor
Luna, Joel Romero	Monitoring Analytics	None
Mabry, David	McNees, Wallace & Nurick	None
Makinde, Olumide	Arevon Energy	None
Marcino, Angelo	PJM Interconnection	None
Mariam, Yohannes	Office of the People's Counsel for the District of Columbia	None
Marzewski, Skyler	PJM Interconnection	None
Matheson, Eric	Delaware Public Service Commission	None
Maucher, Andrea	Delaware Division of the Public Advocate	End-Use Customer
McClelland, Maura	Public Utilities Commission of Ohio	None
McDewell, Christian	Pennsylvania Public Utility Commission	None
McGill, Susan	PJM Interconnection	None
McLaverty, Megan	PJM Interconnection	None
McNeil, Justin	Kentucky Public Service Commission	None
McNicholas, Daniel	Nautilus Power, LLC	Generation Owner
Mekala, Karthik	RWE Clean Energy, LLC	Generation Owner
Militello, Nicole	PJM Interconnection	None
Miller, John	Calico Energy	None
Mohler, Tina	PJM Interconnection	None
Mooney, Jeffrey	Allegheny Power (MonPwr Gen)	Transmission Owner
Mooney, Molly	PJM Interconnection	None
Mroz, David	PJM Interconnection	None
OHara, Bernard	Sargent & Lundy	None
Olaley, 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, Gregory	DTE Energy Trading, Inc.	Other Supplier
Patel, Anita	PJM Interconnection	None
Peoples, John	Duquesne Light Company	Transmission Owner
Phenix, Michael	Red Oak Power, LLC	Generation Owner
Phillips, Amanda	Wabash Valley Power Association, Inc.	Electric Distributor
Phillips, Darlene	PJM Interconnection	None
Pilong, Christopher	PJM Interconnection	None
Pilong, Melissa	PJM Interconnection	None
Pistella, Dan	IMG Midstream LLC	Generation Owner
Poulos, Greg	PJM Committee Voting Generic Account	None
Rasmussen, Jay	Duke Energy Business Services LLC	Transmission Owner
Redwine, Arlo	FERC	None
Richards, Wade	Apex Clean Energy Holdings, LLC	None

Rode, Advait	Michigan Public Service Commission	None
Rohrbach, John	Aces Power Marketing	None
Rumsey, Amanda	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Rutledge, Craig	Appalachian Power Company (APCO Dedicated)	Transmission Owner
Sasser, Jonathan	Customized Energy Solutions	None
Scheidecker, Paul	Monitoring Analytics	None
Schmatz, Peter	PSEG Energy Resources and Trade LLC	Other Supplier
Schreim, Morris	MD PSC	None
SCHROEDER, CONNIE	Dominion Virginia Power	Transmission Owner
Schuyler, Ken	PJM Interconnection	None
Scott, Nicole	PJM Interconnection	None
Selick, Sam	Customized Energy Solutions	None
Shanker, Roy	East Coast Power Linden Holding, L.L.C.	Generation Owner
Sims, Ryan	Interstate Gas Supply, LLC	Other Supplier
Skucas, Ruta	K&L Gates	None
Sloan, Ben	Organization of PJM States, Inc.	None
Sorrels, James	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Sotkiewicz, Paul	E-Cubed Policy Associates	None
Souder, Michelle	PJM Interconnection	None
Souza, Margaret	Dominion Virginia Power	Transmission Owner
Sprinkle, Dan	Louisville Gas and Electric Company/Kentucky Utilities Company	Transmission Owner
Stadelmeyer, Rebecca	Jersey Green Energy LLC	Other Supplier
Stefanowicz, Vincent	PJM Interconnection	None
Stone, Andy	Andy Stone	None
Sturgeon, John	Duke Energy Business Services LLC	Transmission Owner
Svenson, Heather	Public Service Electric and Gas Company	Transmission Owner
Swalwell, Bradley	Tangent Energy Solutions	Other Supplier
Tangirala, Subha	Hitachi Energy USA, Inc.	None
Tell, Shawn	Blackcoat Capital	None
Terranova, Chris	PJM Interconnection	None
Thompson, Chimera	K&L Gates	None
Tubridy, Meg	Rockland Electric Company	Transmission Owner
Ushijima, Hiroaki	J-Power	None
VanBlargan, Bryna	Sabinsville SunPower, LLC	None
VanderLaan, William	Illinois Commerce Commission	None
Walcavich, Colin	Green River Holdings, LLC	Generation Owner
Wehnes, Kathleen	retired	None
Wharton, Matthew	PJM Interconnection	None
Whitehead, Jeffrey	GT Power Group	None
Wilson, James	Other	None
Wynder, Michael	Altrock LLC	Other Supplier
Xu, Xu	PJM Interconnection	None
Yasutake, Sarah	Gabel & Associates	None
Yovanovich, Laura	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner

**Antitrust:**

You may not discuss any topics that violate, or that might appear to violate, the antitrust laws including but not limited to agreements between or among competitors regarding prices, bid and offer practices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that might unreasonably restrain competition. If any of these items are discussed the chair will re-direct the conversation. If the conversation still persists, parties will be asked to leave the meeting or the meeting will be adjourned.

**Code of Conduct:**

As a mandatory condition of attendance at today's meeting, attendees agree to adhere to the PJM 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.

**Public Meetings/Media Participation:**

Unless otherwise noted, PJM stakeholder meetings are open to the public and to members of the media. Members of the media are asked to announce their attendance at all PJM stakeholder meetings at the beginning of the meeting or at the point they join a meeting already in progress. Members of the Media are reminded that speakers at PJM meetings cannot be quoted without explicit permission from the speaker. PJM Members are reminded that "detailed transcriptional meeting notes" and white board notes from "brainstorming sessions" shall not be disseminated. Stakeholders are also not allowed to create audio, video or online recordings of PJM meetings. PJM may create audio, video or online recordings of stakeholder meetings for internal and training purposes, and your participation at such meetings indicates your consent to the same.

### Participant Identification in Webex:

When logging into the Webex desktop client, please enter your real first and last name as well as a valid email address. Be sure to select the “call me” option. PJM support staff continuously monitors Webex connections during stakeholder meetings. Anonymous users or those using false usernames or emails will be dropped from the teleconference.

### Participant Use of Webex Chat:

The use of the Webex chat feature during meetings shall be primarily reserved for administrative and logistical purposes, such as managing a question or comment queue, noting technical difficulties, and meeting support or management purposes. Utilizing Webex chat for any other commentary should be limited to short phrases. Detailed commentary or substantive dialog shall be shared orally by entering the speaker queue.

#### On the Phone, Dial



to Mute/Unmute

#### Linking Teleconference Connection to Webex

When logging in to the meeting, access Webex first and select the “call me” feature to receive a direct call to your phone. Using this feature will connect your name to your Webex presence.

#### Join a Meeting

1. Join meeting in the Webex desktop client
2. Enter name (*First and Last\**) and corporate email
3. Under “Select Audio Option” select “Call Me” option from the dropdown menu

*\*Note: Anonymous users or those using false usernames or emails will be dropped from the teleconference.*

Provide feedback on the progress of this group: [Facilitator Feedback Form](#)  
Visit [learn.pjm.com](http://learn.pjm.com), an easy-to-understand resource about the power industry and PJM’s role.