

Markets & Reliability Committees
PJM Conference and Training Center, Audubon, PA / WebEx
January 24, 2024
9:00 a.m. – 10:00 a.m. EPT

Administration (9:00-9:05)

Lisa Drauschak and David Anders welcomed stakeholders and provided the Anti-trust, Code of Conduct, and Meeting Participation announcements.

Consent Agenda (9:05-9:10)

Item A was **approved** by acclamation with no objections or abstentions:

- A. Minutes of the December 20, 2023 meeting of the Markets and Reliability Committee.

Endorsements

None

First Readings (9:10-9:40)

1. Manuals (9:10-9:40)
 - A. Eliseo Carrasco reviewed proposed revisions to Manual 03A: Energy Management System (EMS) Model Updates and Quality Assurance (QA) to align with NERC's Bulk Electric System (BES) definition. The Committee will be asked to endorse the Manual revisions at its next meeting.
 - B. Lauren Strella Wahba reviewed conforming revisions to Manual 11: Energy & Ancillary Services Market Operations resulting from FERC Docket No. EL21-78-000 on Real-time Values. The Committee will be asked to endorse the Manual revisions at its next meeting.
 - C. Liem Hoang reviewed proposed revisions to Manual 38: Operations Planning resulting from its periodic review. The Committee will be asked to endorse the Manual revisions at its next meeting.
 - D. Ben Miller reviewed proposed revisions to Manual 40: Training and Certification Requirements resulting from its periodic review. The Committee will be asked to endorse the Manual revisions at its next meeting.

Informational Report (9:40-10:00)

2. Winter Storm Gerri Review (9:40-10:00)

David Souder and Brian Chmielewski provided an overview of operations and markets during recent Winter Storm Gerri.

Future Agenda Items (10:00)

No new future agenda items were identified.

Future Meeting Dates and Materials			Materials Due to Secretary	Materials Published
Date	Time	Location	5:00 p.m. EPT deadline*	
February 22, 2024	9:00 a.m.	PJM Conference & Training Center and WebEx	February 12, 2024	February 15, 2024
March 20, 2024	9:00 a.m.	PJM Conference & Training Center and WebEx	March 8, 2024	March 13, 2024
April 25, 2024	9:00 a.m.	PJM Conference & Training Center and WebEx	April 15, 2024	April 18, 2024
May 22, 2024	9:00 a.m.	PJM Conference & Training Center and WebEx	May 10, 2024	May 15, 2024
June 27, 2024	9:00 a.m.	PJM Conference & Training Center and WebEx	June 17, 2024	June 20, 2024
July 24, 2024	9:00 a.m.	PJM Conference & Training Center and WebEx	July 12, 2024	July 17, 2024
August 21, 2024	9:00 a.m.	PJM Conference & Training Center and WebEx	August 9, 2024	August 14, 2024
September 25, 2024	9:00 a.m.	PJM Conference & Training Center and WebEx	September 13, 2024	September 18, 2024
October 30, 2024	9:00 a.m.	PJM Conference & Training Center and WebEx	October 18, 2024	October 23, 2024
November 20, 2024	9:00 a.m.	PJM Conference & Training Center and WebEx	November 8, 2024	November 13, 2024
December 18, 2024	9:00 a.m.	PJM Conference & Training Center and WebEx	December 6, 2024	December 11, 2024

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

Author: D. Anders

Meeting Attendance

Chair/Secretary

Last Name	First Name	Company	Sector
Drauschak	Lisa	PJM Interconnection LLC	Not Applicable
Anders	Dave	PJM Interconnection LLC	Not Applicable

Voting Attendees

Last Name	First Name	Company	Sector
Barker	Jason	Vitol Inc.	Generation Owner
Brodbeck	John	EDP Renewables North America LLC	Generation Owner
Bruce	Susan	Lehigh Portland Cement Company	End-Use Customer
Bruce	Susan	Air Products & Chemicals, Inc.	End-Use Customer
Bruce	Susan	Gerdau Ameristeel Energy, Inc.	End-Use Customer
Bruce	Susan	Trustees of the University of Pennsylvania	End-Use Customer
Bruce	Susan	Kimberly-Clark Corporation	Generation Owner
Bruce	Susan	Cleveland-Cliffs Steel LLC	End-Use Customer
Bruce	Susan	Wellsboro Electric Company	Electric Distributor
Bruce	Susan	Linde Inc.	End-Use Customer
Bruce	Susan	Messer LLC	End-Use Customer

Bruce	Susan	Procter & Gamble Paper Products Company (The)	End-Use Customer
Canter	David	Appalachian Power Company	Transmission Owner
Davis	James	Virginia Electric & Power Company	Transmission Owner
Domian	Christin	Duquesne Light Company	Transmission Owner
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Esquivel	Manuel	Enel X North America, Inc.	Other Supplier
Hoatson	Tom	Rolling Hills Generating, LLC	Generation Owner
Hohenshilt	Jennifer	Talen Energy Marketing, LLC	Generation Owner
Horstmann	John	Dayton Power & Light Company (The)	Transmission Owner
Johnson	Carl	Town of Williamsport (The)	Electric Distributor
Johnson	Carl	WPPI Energy	Other Supplier
Johnson	Carl	Energy Cooperative Association of Pennsylvania (The)	Other Supplier
Johnson	Carl	Indiana Municipal Power Agency	Electric Distributor
Johnson	Carl	Illinois Municipal Electric Agency	Electric Distributor
Johnson	Carl	Hagerstown Light Department	Electric Distributor
Johnson	Carl	Easton Utilities Commission	Electric Distributor
Johnson	Carl	Delaware Municipal Electric Corporation, Inc.	Electric Distributor
Johnson	Carl	City of Dover, Delaware	Electric Distributor
Johnson	Carl	Central Virginia Electric Cooperative	Electric Distributor
Johnson	Carl	Buckeye Power, Inc.	Electric Distributor
Johnson	Carl	Borough of Mont Alto, Pennsylvania	Electric Distributor
Johnson	Carl	Borough of Chambersburg	Electric Distributor
Johnson	Carl	Blue Ridge Power Agency, Inc.	Electric Distributor
Johnson	Carl	Thurmont Municipal Light Company	Electric Distributor
Johnson	Carl	Old Dominion Electric Cooperative	Electric Distributor
Johnson	Carl	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Johnson	Carl	Michigan Public Power Agency	Electric Distributor
Johnson	Carl	North Carolina Electric Membership Corporation	Electric Distributor
Johnson	Carl	Northern Illinois Municipal Power Agency	Electric Distributor
Mason	Gary	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Stern	Alexander	Exelon Business Services Company, LLC	Transmission Owner
Svenson	Heather	Public Service Electric and Gas Company	Transmission Owner
Swalwell	Bradley	Tangent Energy Solutions, Inc.	Other Supplier
Ushijima	Hiroaki	Elwood Energy, LLC	Generation Owner

Non-Voting Attendees

Last Name	First Name	Company	Sector
Anderson	Juliet	Constellation Energy Generation, LLC	Generation Owner
Anderson	Bob	Tenaska Power Services Co.	Generation Owner
Bagot	Nancy	Electric Power Supply Association	None
Bleiweis	Bruce	DC Energy, LLC	Other Supplier
Boyle	Stephen	Merion Energy Solutions	None

Campbell	Bruce	Enerwise Global Technologies, LLC	Other Supplier
Carmean	Gregory	Organization of PJM States, Inc.	None
Carrier	Ronald	Big Lake Consulting Group, LLC	None
Chang	Sean	Shell Energy North America (US), L.P.	Other Supplier
Christopher	Mahila	Public Utilities Commission of Ohio	None
Cocco	Michael	Old Dominion Electric Cooperative	Electric Distributor
Corash	Richard	PSEG Energy Resources and Trade LLC	Other Supplier
Cox	Jason	EQ Energy Advisors, LLC	None
Davis	David	Apex Clean Energy Holdings, LLC	None
Dillon	Matthew	UGI Development Company	Generation Owner
Dixon	Nathan	LS Power Development LLC	None
Evergam	Scott	Blue Horseshoe Energy LLC	None
Fabiano	Janell	PPL Electric Utilities Corp. dba PPL Utilities (LSE)	Transmission Owner
Farnsworth	Barney	Wellsboro Electric	Electric Distributor
Filomena	Guy	Customized Energy Solutions, Ltd.	None
Fink	Sari	MAREC Action	None
Fishback	Luke	Affirmed Energy LLC (Wylan)	Other Supplier
Foladare	Kenneth	Geenex Solar LLC	Other Supplier
Ford	Adrien	Constellation Energy Generation, LLC	Generation Owner
Foster	Denise	East Kentucky Power Cooperative, Inc.	Transmission Owner
Fuess	Christian	Diamond State Generation Partners, LLC	Generation Owner
Fultz	McClain	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Gao	Elaine	LS Power	None
Garnett	Bryan	Duke Energy Ohio, Inc.	Transmission Owner
Gates	Terry	AEP Energy Partners, Inc.	Transmission Owner
Gilani	Rehan	TWE Clean Energy Wholesale Services, Inc.	Other Supplier
Gordon	Jonathan	Advanced Energy Economy	None
Grigorjeva	Jelena	Atlantic Shores Offshore Wind	None
Hager	John	LS Power Development LLC	None
Hastings	David	Long Island Lighting Company	Other Supplier
Heinle	Frederick	Dynegy Marketing and Trade, LLC	Generation Owner
Heinle	Frederick	Vistra	None
Holdbrook	Ruth	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Hooker	Marquette	Dominion Energy Generation Marketing, Inc.	Generation Owner
Hull	Gerit	American Municipal Power, Inc.	Electric Distributor
Hurwich	Mark	Elliott Bay Energy Trading, LLC	Other Supplier
Hyatt	Earl	Monitoring Analytics	None
Hyzinski	Tom	GT Power Group, LLC	None
Iler	Arthur	Indiana Office of Utility Consumer Counselor	End Use Customer
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
Jones	Scott	Indiana Office of Utility Consumer Counselor	End Use Customer
Kelly	Stephen	Brookfield Renewable Trading and Marketing LP (BSMH)	Other Supplier
Kent	Janessa	Duquesne Light Company	Transmission Owner
Kilgallen	Kevin	Avangrid Renewables, LLC	Generation Owner
Kirk	Steven	NextEra	Other Supplier
Kogut	George	New York Power Authority	Other Supplier
Kozlowski	Brian	Alphataraxia Palladium LLC	Other Supplier
Laios	Takis	Appalachian Power Company (AEP Transmission)	Transmission Owner
Leith-Yessian	Devin	RTO Insider	None
Lescano	Amanda	New Jersey Board of Public Utilities	None
Lieberman	Steven	American Municipal Power, Inc.	Electric Distributor
Mabry	David	McNees Wallace & Nurick LLC	None
Matheson	Eric	Non-member	None
Matuszak	Alex	UGI Energy Services, LLC	Other Supplier
Maucher	Andrea	Delaware Division of the Public Advocate	End Use Customer
Mayers	Sharon	Clean Energy Future - Lordstown, LLC	Generation Owner
McClelland	Maura	Public Utilities Commission of Ohio	None
McClure	Emily	Illinois Commerce Commission	None
McNeil	Justin	Kentucky Public Service Commission	None
McNicholas	Daniel	Nautilus Power, LLC	Generation Owner
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Newbill	Brandon	Old Dominion Electric Cooperative	Electric Distributor
Nicole	Jacky	FERC	None
Nix	Emma	Leeward Asset Management, LLC	Generation Owner
Norton	Chris	American Municipal Power, Inc.	Electric Distributor
Ondayko	Brock	AEP Energy Partners, Inc. (AEP Gen Resources)	Transmission Owner
Perkins	Jake	LS Power Development LLC	None
Pezalla	Bill	Old Dominion Electric Cooperative	Electric Distributor
Phenix	Michael	Red Oak Power, LLC	Generation Owner
Philips	Marjorie	LS Power	None
Pierpont	Dan	LS Power	None
Poulos	Greg	Organization of PJM States, Inc.	None
Proconiar	Jason	Buckeye Power, Inc.	Electric Distributor
Rasmussen	Jay	Duke Energy Business Services LLC	Transmission Owner
Richards	Wade	Apex Clean Energy Holdings, LLC	None
Rode	Advait	Michigan Public Service Commission	None
Rohrbach	John	Wabash Valley Power Association, Inc.	Electric Distributor
Rutledge	Craig	Appalachian Power Company (AEP Generation)	Transmission Owner
Sasser	Jonathan	Customized Energy Solutions, Ltd.	None
Scarp	David	Calpine Energy Services	Generation Owner
Schreim	Morris	Maryland Public Service Commission	None

Selick	Sam	Customized Energy Solutions, Ltd.	None
Silveira	Fabiano	Strom Power, LLC	Other Supplier
Sloan	Ben	Organization of PJM States, Inc.	None
Sotkiewicz	Paul	E-Cubed Policy Associates	None
Sprinkle	Dan	Louisville Gas and Electric Company/Kentucky Utilities Company	Transmission Owner
Stadelmeyer	Rebecca	Jersey Green Energy LLC	Other Supplier
Stone	Andy	Non-member	None
Storino	Laura	NJ Board of Public Utilities	None
Stuchell	Jeffrey	First Energy Corp.	None
Sturgeon	John	Duke Energy Business Services LLC	Transmission Owner
Swalwell	Brad	Tangent Energy Solutions, Inc.	Other Supplier
Sweeney	Rory	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Theaker	Brian	Big Sandy Peaker Plant LLC	Generation Owner
Theodore	Sharon	Electric Power Supply Association	None
Thomas	Amber	Exelon Business Services Company, LLC	Transmission Owner
Tubridy	Meg	Rockland Electric Company	Transmission Owner
Tyler	Catherine	Monitoring Analytics	None
VanBlargan	Bryna	Sabinsville SunPower, LLC	None
Walcavich	Colin	Archlight Capital	None
Walker	Jennifer	Exelon Business Services Company, LLC	Transmission Owner
Wehnes	Kathleen	Non-member	None
Whitehead	Jeffrey	GT Power Group	None
Wilson	James	Wilson Economics	None
Wynder	Michael	Altrock LLC	Other Supplier
Yasutake	Sarah	Jersey Green Energy LLC	Other Supplier
York	Denver	East Kentucky Power Cooperative, Inc.	Transmission Owner
Youth	Michael	North Carolina Electric Membership Corporation	Electric Distributor
Yovanovich	Laura	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Zhou	Ming	DXT Commodities North America Inc.	Other Supplier

PJM Attendees

Last Name	First Name	Company	Sector
Afelumo	Foluso	PJM Interconnection	None
Anders	David	PJM Interconnection	None
Anders	Dave	PJM Interconnection	None
Arkatin	Tyler	PJM Interconnection	None
Asthana	Manu	PJM Interconnection	None
Barrett	Emily	PJM Interconnection	None
Belenky	Maria	PJM Interconnection	None
Bennett	Daniel	PJM Interconnection	None
Bernabeu	Emanuel	PJM Interconnection	None
Bernstein	Matthew	PJM Interconnection	None

Bielak	Donnie	PJM Interconnection	None
Blackwell	Terry	PJM Board	None
Boyle	Glen	PJM Interconnection	None
Bresler	Stu	PJM Interconnection	None
Bryson	Michael	PJM Interconnection	None
Bryson	Mike	PJM Interconnection	None
Buehler	Susan	PJM Interconnection	None
Cao	Roger	PJM Interconnection	None
Carrasco	Eliseo	PJM Interconnection	None
Carroll	Rebecca	PJM Interconnection	None
Carroll	Becky	PJM Interconnection	None
Chmielewski	Brian	PJM Interconnection	None
Chu	George	PJM Interconnection	None
Ciabattoni	Joseph	PJM Interconnection	None
Connell	Jason	PJM Interconnection	None
Connolly	Matthew	PJM Interconnection	None
Coscia	Carl	PJM Interconnection	None
Croop	Danielle	PJM Interconnection	None
Curley	Maureen	PJM Interconnection	None
D'Antonio	Phil	PJM Interconnection	None
D'Antonio	Phil	PJM Interconnection	None
Downs	Jere	PJM Interconnection	None
Drauschak	Lisa	PJM Interconnection	None
Fan	Zhenyu	PJM Interconnection	None
Fitzpatrick	Brian	PJM Interconnection	None
Frogg	Darrell	PJM Interconnection	None
Glazer	Craig	PJM Interconnection	None
Greening	Michele	PJM Interconnection	None
Guignet	Douglas	PJM Interconnection	None
Guistwhite	Jeffrey	PJM Interconnection	None
Hall	Mary	PJM Interconnection	None
Handlin	Mike	PJM Interconnection	None
Haque	Asim	PJM Interconnection	None
Hatch	Kevin	PJM Interconnection	None
Hauske	Thomas	PJM Interconnection	None
Herel	Suzanne	PJM Interconnection	None
hoang	liem	PJM Interconnection	None
Holt	Chris	PJM Interconnection	None
Horger	Tim	PJM Interconnection	None
Hsia	Eric	PJM Interconnection	None
Jani	Alpa	PJM Interconnection	None
Keech	Adam	PJM Interconnection	None

Keshavamurthy	Bhavana	PJM Interconnection	None
Kim	Sung	PJM Interconnection	None
Kimmel	David	PJM Interconnection	None
Lacek	Mollie	PJM Interconnection	None
Lai	Erin	PJM Interconnection	None
Lee	Ray	PJM Interconnection	None
Lockwood	Dan	PJM Interconnection	None
Lopez	Veronica	PJM Interconnection	None
Lu	Chen	PJM Interconnection	None
Mali	Gizella	PJM Interconnection	None
Marcino	Angelo	PJM Interconnection	None
Mariam	Yohannes	PJM Interconnection	None
McElwaine	Kathy	PJM Interconnection	None
McGill	Susan	PJM Interconnection	None
McGlynn	Paul	PJM Interconnection	None
McLavery	Megan	PJM Interconnection	None
McTeigue	Caitlin	PJM Interconnection	None
Miller	Ben	PJM Interconnection	None
Mills	David	PJM Board	None
Morelli	Lisa	PJM Interconnection	None
Noonan	Casey	PJM Interconnection	None
O'Brien	Tom	PJM Interconnection	None
O'Hara	Chris	PJM Interconnection	None
Oakes	Brian	PJM Interconnection	None
Patel	Keyur	PJM Interconnection	None
Pilong	Melissa	PJM Interconnection	None
Pilong	Chris	PJM Interconnection	None
Pincus	Steve	PJM Interconnection	None
Ramsay	Eli	PJM Interconnection	None
Salmon	Lisa	PJM Interconnection	None
schwarz	stephanie	PJM Interconnection	None
Seiler	Ken	PJM Interconnection	None
Shah	Vijay	PJM Interconnection	None
Shields	Jeff	PJM Interconnection	None
Souder	Michelle	PJM Interconnection	None
Souder	Dave	PJM Interconnection	None
Staevska	Asya	PJM Interconnection	None
Stanek	Jason	PJM Interconnection	None
Stanis	Mark	PJM Interconnection	None
Stefanowicz	Vincent	PJM Interconnection	None
Stemetzki	Michael	PJM Interconnection	None
Strella	Lauren	PJM Interconnection	None

Swimm	Nora	PJM Interconnection	None
Taylor	Daniel	PJM Interconnection	None
Tribulski	Jennifer	PJM Interconnection	None
Tutino	Joseph	PJM Interconnection	None
VanZandt	Vickie	PJM Board	None
Vinnik	Daniel	PJM Interconnection	None
Warner-Freeman	Jennifer	PJM Interconnection	None
Wharton	Matthew	PJM Interconnection	None
Zhao	Tong	PJM Interconnection	None