

Markets & Reliability Committees
PJM Conference and Training Center, Audubon, PA / WebEx
March 22, 2023
9:00 a.m. – 10:25 a.m. EPT

Administration

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

Adam Keech discussed timing for release of the lessons learned report from Winter Storm Elliott. He noted that PJM is targeting a full report to be issued in mid-July 2023. He noted that lessons learned regarding the Capacity Market are expected to be released in mid-May 2023 to inform the Critical Issue Fast Path – Resource Adequacy process.

David Anders reminded Members that the deadline for Officer Certification is April 30.

Consent Agenda

Items A through D were **approved/endorsed** by acclamation with no objections or abstentions:

- A. Minutes of the February 23, 2023 meeting of the Markets and Reliability Committee.
- B. Proposed revisions to Manual 12: Balancing Operations resulting from its periodic review.
- C. Proposed revisions to Manual 14C: Generation and Transmission Interconnection Facility Construction resulting from its periodic review.
- D. Proposed revisions to Manual 37: Reliability Coordination resulting from its periodic review.

Endorsements

1. Periodic Review of Default CONE and ACR Values

Skyler Marzewski reviewed proposed changes and corresponding Tariff revisions resulting from the Periodic Review of Default CONE and ACR Values. In an advisory vote, the committee **endorsed** the proposed changes and Tariff revisions by acclamation with no objections or abstentions. Stu Bresler noted that a same day advisory vote would be sought at the Members Committee.

[Issue Tracking: Periodic Review of Default CONE and ACR Values](#)

2. Manual 11 Revisions

Joey Tutino reviewed proposed revisions to Manual 11: Energy & Ancillary Services Market Operations resulting from its periodic review. Rebecca Stadelmeyer, Jersey Green Energy, LLC, proposed amendments as follows:

- Section 2.1.2, in the first sentence of the second paragraph, add “Market Seller” into the review process in addition to PJM and the MMU
- Section 2.3.3.1, remove “Minimum Run Time” from the fourth bullet

Greg Poulos, Delaware Division of the Public Advocate, moved and Adrien Ford, ODEC, seconded deferring voting on the proposed revisions to the April 2023 MRC meeting. The motion to defer was **approved** by acclamation with no objections or abstentions.

First Readings

3. Renewable Dispatch

Darrell Frogg reviewed a proposed solution package addressing Renewable Dispatch. The committee will be asked to endorse the proposed solution and corresponding Tariff, and Operating Agreement revisions at its next meeting.

[Issue Tracking: Renewable Dispatch](#)

4. Manuals

A. Becky Davis reviewed proposed revisions to Manual 01: Control Center and Data Exchange Requirements, Manual 13: Emergency Operations, and Manual 36: System Restoration associated with future EMS updates and to meet NERC Certification obligations. The committee will be asked to endorse the proposed Manual revisions at its next meeting.

Future Agenda Items

No new future agenda items were identified.

Future Meeting Dates and Materials			Materials Due to Secretary	Materials Published
Date	Time	Location		
<i>April 26, 2023</i>	9:00 a.m.	PJM Conference & Training Center and WebEx	April 14, 2023	April 19, 2023
<i>May 31, 2023</i>	9:00 a.m.	PJM Conference & Training Center and WebEx	May 19, 2023	May 24, 2023
<i>June 22, 2023</i>	9:00 a.m.	PJM Conference & Training Center and WebEx	June 12, 2023	June 15, 2023
<i>July 26, 2023</i>	9:00 a.m.	PJM Conference & Training Center and WebEx	July 14, 2023	July 19, 2023
<i>August 23, 2023</i>	9:00 a.m.	PJM Conference & Training Center and WebEx	August 11, 2023	August 16, 2023
<i>September 20, 2023</i>	9:00 a.m.	PJM Conference & Training Center and WebEx	September 8, 2023	September 13, 2023
<i>October 25, 2023</i>	9:00 a.m.	PJM Conference & Training Center and WebEx	October 13, 2023	October 18, 2023
<i>November 15, 2023</i>	9:00 a.m.	PJM Conference & Training Center and WebEx	November 3, 2023	November 8, 2023
<i>December 20, 2023</i>	9:00 a.m.	PJM Conference & Training Center and WebEx	December 8, 2023	December 13, 2023

Author: D. Anders

Meeting Attendance

Chair/Secretary

Last Name	First Name	Company	Sector
Bresler	Stu	PJM Interconnection LLC	Not Applicable
Anders	Dave	PJM Interconnection LLC	Not Applicable

Voting Attendees

Last Name	First Name	Company	Sector
Benchek	James	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Bruce	Susan	Rep'g Lehigh Portland Cement Company	End-Use Customer
Bruce	Susan	Rep'g Wellsboro Electric Company	Electric Distributor
Bruce	Susan	Rep'g Cleveland-Cliffs Steel LLC	End-Use Customer
Bruce	Susan	Rep'g Kimberly-Clark Corporation	Generation Owner
Bruce	Susan	Rep'g MeadWestvaco Corporation	End-Use Customer
Bruce	Susan	Rep'g Letterkenny Industrial Development Authority - PA	Electric Distributor
Bruce	Susan	Rep'g Messer LLC	End-Use Customer
Bruce	Susan	Rep'g Linde Inc.	End-Use Customer
Bruce	Susan	Rep'g Air Products & Chemicals, Inc.	End-Use Customer
Bruce	Susan	Rep'g Gerdau Ameristeel Energy, Inc.	End-Use Customer
Bruce	Susan	Rep'g Procter & Gamble Paper Products Company (The)	End-Use Customer
Bruce	Susan	Rep'g Trustees of the University of Pennsylvania	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
Fishback	Luke	Affirmed Energy LLC	Other Supplier
Hoatson	Tom	Riverside Generating Company, L.L.C.	Generation Owner
Hohenshilt	Jennifer	Talen Energy Marketing, LLC	Generation Owner
Horstmann	John	Dayton Power & Light Company (The)	Transmission Owner
Hyzinski	Thomas	Rep'g Dynegy Marketing and Trade, LLC	Generation Owner
Hyzinski	Thomas	Rep'g GenOn Energy Management, LLC	Generation Owner
Hyzinski	Thomas	Rep'g Carroll County Energy LLC	Generation Owner
Jardot	Gina	NRG Power Marketing LLC	Generation Owner
Johnson	Carl	Rep'g Hagerstown Light Department	Electric Distributor
Johnson	Carl	Rep'g Energy Cooperative Association of Pennsylvania (The)	Other Supplier
Johnson	Carl	Rep'g Easton Utilities Commission	Electric Distributor
Johnson	Carl	Rep'g Delaware Municipal Electric Corporation, Inc.	Electric Distributor
Johnson	Carl	Rep'g City of Dover, Delaware	Electric Distributor
Johnson	Carl	Rep'g Central Virginia Electric Cooperative	Electric Distributor
Johnson	Carl	Rep'g Buckeye Power, Inc.	Electric Distributor
Johnson	Carl	Rep'g Borough of Mont Alto, Pennsylvania	Electric Distributor
Johnson	Carl	Rep'g Borough of Chambersburg	Electric Distributor
Johnson	Carl	Rep'g Blue Ridge Power Agency, Inc.	Electric Distributor
Johnson	Carl	Rep'g Illinois Municipal Electric Agency	Electric Distributor
Johnson	Carl	Rep'g WPPI Energy	Other Supplier
Johnson	Carl	Rep'g Town of Williamsport (The)	Electric Distributor
Johnson	Carl	Rep'g Thurmont Municipal Light Company	Electric Distributor
Johnson	Carl	Rep'g Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Johnson	Carl	Rep'g Indiana Municipal Power Agency	Electric Distributor
Johnson	Carl	Rep'g Michigan Public Power Agency	Electric Distributor
Johnson	Carl	Rep'g North Carolina Electric Membership Corporation	Electric Distributor
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Phenix	Michael	Red Oak Power, LLC	Generation Owner
Scarpignato	David	Calpine Energy Services, L.P.	Generation Owner

Stern	Alex	Public Service Electric and Gas Company	Transmission Owner
Swalwell	Bradley	Tangent Energy Solutions, Inc.	Other Supplier
Tubridy	Meg	Rockland Electric Company	Transmission Owner
Ushijima	Hiroaki	Elwood Energy, LLC	Generation Owner
Vayda	Brian	Borough of Madison, New Jersey	Electric Distributor
Vayda	Brian	Vineland Municipal Electric Utility	Electric Distributor
Vayda	Brian	Borough of Pemberton, New Jersey	Electric Distributor
Vayda	Brian	Borough of Butler, Butler Electric Division	Electric Distributor
Vayda	Brian	Borough of Lavallette, New Jersey	Electric Distributor
Vayda	Brian	Borough of Milltown, New Jersey	Electric Distributor
Vayda	Brian	Borough of South River, New Jersey	Electric Distributor
Vayda	Brian	Borough of Park Ridge, New Jersey	Electric Distributor
Vayda	Brian	Borough of Seaside Heights, New Jersey	Electric Distributor
Whitehead	Jeffrey	Rep'g Essential Power Rock Springs, LLC	Generation Owner
Whitehead	Jeffrey	Rep'g Wheelabrator Falls Inc.	Generation Owner
Whitehead	Jeffrey	Rep'g Eastern Generation, LLC	Generation Owner
Yovanovich	Laura	PPL Electric Utilities Corporation d/b/a PPL Utilities	Transmission Owner

Non-Voting Attendees

Last Name	First Name	Company	Sector
Ament	Todd	Cube Hydro Partners, LLC	Generation Owner
Anderson	Bob	Tenaska Power Services Co.	Generation Owner
Anderson	Jared	S&P Global	None
Anderson	Juliet	Constellation Energy Generation, LLC	Generation Owner
Bainbridge	Thomas	American Transmission Systems, Inc.	Transmission Owner
Baker	Jeff	Duke Energy Ohio, Inc.	Transmission Owner
Banks	Carla	Tait Electric Generating Station, LLC	Generation Owner
Barker	Jason	Vitol Inc.	Generation Owner
Bleiweis	Bruce	DC Energy, LLC	Other Supplier
Brady	George	Ohio Valley Electric Corporation	Transmission Owner
Brodbeck	John	EDP Renewables North America LLC	Generation Owner
Burkholder	Joshua	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Campbell	Bruce	Enerwise Global Technologies, LLC	Other Supplier
Carmean	Greg	Organization of PJM States, Inc.	None
Carrier	Ron	Big Lake Consulting	None
Carson	Donna	East Kentucky Power Cooperative, Inc.	Transmission Owner
Christopher	Mahila	Public Utilities Commission of Ohio	None
Corash	Richard	PSEG Energy Resources and Trade LLC	Other Supplier
Cox	Jason	EQ Energy Advisors, LLC	None
Curtis	Kenneth	Enverus, Inc.	None
Davis	David	Apex Clean Energy Holdings, LLC	None
Dillon	Matthew	UGI Development Company	Generation Owner
Dorko	Keri	Monitoring Analytics	None
Dorner	Amber	Rockland Electric Company	Transmission Owner
Drom	Rick	Rick Drom	None
Duensing	Allison	Saracen Energy East LP	Other Supplier
Everngam	Scott	Blue Horseshoe Energy LLC	None
Eyocko	Jacky Nicole S	FERC	None
Fazio	Danielle	Engelhart CTP (US) LLC	Other Supplier
Filomena	Guy	Customized Energy Solutions, Ltd.	None
Fink	Sari	American Wind Energy Association	None
Foladare	Kenneth	Geenex Solar LLC	Other Supplier
Ford	Adrien	Old Dominion Electric Cooperative	Electric Distributor
Foster Cronin	Denise	East Kentucky Power Cooperative, Inc.	Transmission Owner
Fuerst	Gary	American Transmission Systems, Inc.	Transmission Owner
Fuess	Christian	PBF Power Marketing, LLC	End-Use Customer

Fultz	McClain	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Gates	Terry	Appalachian Power Company (AEP Transmission)	Transmission Owner
Gilani	Rehan	ConEdison Energy, Inc.	Other Supplier
Glazener	Patrick	Energy Authority, Inc. (The)	Other Supplier
Gordon	Jonathan	Advanced Energy Economy	None
Gorman	Bradley	American Transmission Systems, Inc.	Transmission Owner
Granstrand	Luke	Dominion Virginia Power	Transmission Owner
Heinle	Erik	Dynegy Marketing and Trade, LLC	Generation Owner
Heisey	Bradley	Tenaska Pennsylvania Partners, LLC	Generation Owner
Horning	Lynn Marie	American Municipal Power, Inc.	Electric Distributor
Hull	Gerit	American Municipal Power, Inc.	Electric Distributor
Hurwich	Mark	Elliott Bay Energy Trading, LLC	Other Supplier
Hyatt	Earl	Monitoring Analytics LLC	None
Janicki	Diane	Boston Energy Trading and Marketing LLC	Other Supplier
Jones	Scott	Indiana Office of Utility Consumer Counselor (IN OUCC)	End-Use Customer
Kaczanowski	Marek	Baltimore Gas and Electric Company	Transmission Owner
Kalaskar	Rahul	AES Laurel Mountain, LLC	Generation Owner
Kauffman	Brian	Enel X North America, Inc.	Other Supplier
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 Energy Marketing, LLC	Other Supplier
Kogut	George	New York Power Authority	Other Supplier
Kroh	Judson	Ebensburg Power Company	Generation Owner
Laios	Takis	Appalachian Power Company (AEP Transmission)	Transmission Owner
LaVista	William	RWE Renewables Americas, LLC	Generation Owner
Leith Yessian	Devin	RTO Insider	None
Liang-Nicol	Cecilia	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Lieberman	Steven	American Municipal Power, Inc.	Electric Distributor
Louwahi	Soufiane	Electric Power Engineers	None
Mariam	Yohannes	Office of the People's Counsel for the District of Columbia	End-Use Customer
Mason	Gary	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Matheson	Eric	Eric Matheson	None
McClelland	Maura	Public Utilities Commission of Ohio	None
McDewell	Christian	Pennsylvania Public Utility Commission	None
McNeil	Justin	Kentucky Public Service Commission	None
McNicholas	Daniel	Nautilus Power, LLC	Generation Owner
Mekala	Karthik	RWE Renewables Americas, LLC	Generation Owner
Miller	John	Calico Energy	None
Mooney	Jeffrey	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Moye	Robert	Commonwealth Chesapeake Company, LLC	Generation Owner
Moyo	Edwin	Charles River Associates	None
Mramor	Dave	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Murphy	Shaun	Urban Grid Solar Projects, LLC	Other Supplier
Nallan	Dwarakesh	Equinor Wind US	None
Noel Jeune	Reynaldo	Orsted Onshore North America, LLC	Generation Owner
Ondayko	Brock	AEP Energy Partners, Inc. (AEP Gen Resources)	Transmission Owner
Pakela	Greg	DTE Energy Trading, Inc.	Other Supplier
Peoples	John	Duquesne Light Company	Transmission Owner
Perez	Andres	NextEra Energy Transmission, LLC	Other Supplier
Phillips	Amanda	Wabash Valley Power Association, Inc.	Electric Distributor
Poulos	Greg	CAPS	None
Price	Ruth	Delaware Division of the Public Advocate	End-Use Customer
Rode	Advait	Michigan Public Service Commission	None
Rohrbach	John	Wabash Valley Power Association, Inc.	Electric Distributor
Romero Luna	Joel	Monitoring Analytics LLC	None

Roy Chowdhury	Meghadeep	Yes Energy LLC	None
Rutigliano	Tom	Natural Resources Defense Council	None
Rutledge	Craig	Appalachian Power Company (APCO Dedicated)	Transmission Owner
Sammartino	Michael	Maryland Public Service Commission	None
Sasser	Jonathan	Customized Energy Solutions, Ltd.	None
Scheidecker	Paul	Monitoring Analytics LLC	None
Schmitt	David	New Jersey Board Of Public Utilities	None
Schreim	Morris	Maryland Public Service Commission	None
Scott	Katherine	FERC	None
Selick	Sam	Customized Energy Solutions, Ltd.	None
Shanker	Roy	East Coast Power Linden Holding, L.L.C.	Generation Owner
Smith	Kara	Buckeye Power, Inc.	Electric Distributor
Stadelmeyer	Rebecca	Jersey Green Energy LLC	Other Supplier
Stone	Andy	Andy Stone	None
Stuchell	Jeff	American Transmission Systems, Inc.	Transmission Owner
Sturgeon	John	Duke Energy Business Services LLC	Transmission Owner
Sussler	Philip	Maryland Public Service Commission	None
Svenson	Heather	Public Service Electric and Gas Company	Transmission Owner
Sweeney	Rory	Power Prose, Inc.	None
Theodore	Sharon	EPSA	None
Thomas	Amber	Exelon Business Services Company, LLC	Transmission Owner
Tyler	Catherine	Monitoring Analytics	None
VanBlargan	Bryna	Sabinsville SunPower, LLC	None
Walcavich	Colin	Green River Holdings, LLC	Generation Owner
Walker	Jennifer	Exelon Business Services Company, LLC	Transmission Owner
Webb	Becky	Commonwealth Edison Company	Transmission Owner
Wehnes	Kathleen	Maryland Department of the Environment	None
Wilson	James	Wilson Economics	None
Wylie-Chambers	Ericka	Exelon Business Services Company, LLC	Transmission Owner
Wynder	Michael	DRW Investments, LLC	None
Yasutake	Sarah	Jersey Green Energy LLC	Other Supplier
Zhou	Zhangxin	Virginia Electric & Power Company	Transmission Owner

PJM Attendees

Last Name	First Name	Company	Sector
Afelumo	Foluso	PJM Interconnection	None
Almonte	Arelis	PJM Interconnection	None
Anders	David	PJM Interconnection	None
Asthana	Manu	PJM Interconnection	None
Bennett	Daniel	PJM Interconnection	None
Bennett	Stephen	PJM Interconnection	None
Bernabeu	Emanuel	PJM Interconnection	None
Bernstein	Matthew	PJM Interconnection	None
Bielak	Donnie	PJM Interconnection	None
Boyle	Glen	PJM Interconnection	None
Breeding	Michael	PJM Interconnection	None
Bresler	Stu	PJM Interconnection	None
Bruno	Pat	PJM Interconnection	None
Bryson	Mike	PJM Interconnection	None
Cao	Roger	PJM Interconnection	None
Carroll	Rebecca	PJM Interconnection	None
Caven	Augustine	PJM Interconnection	None
Chmielewski	Brian	PJM Interconnection	None
Ciabattoni	Joe	PJM Interconnection	None

Cobb	Jacqueline	PJM Interconnection	None
Connell	Jason	PJM Interconnection	None
Connolly	Matthew	PJM Interconnection	None
Copeland	Kyle	PJM Interconnection	None
Coscia	Carl	PJM Interconnection	None
Croop	Danielle	PJM Interconnection	None
D'Antonio	Phil	PJM Interconnection	None
Davis	Becky	PJM Interconnection	None
Dent	Duane	PJM Interconnection	None
DeVita	Thomas	PJM Interconnection	None
DiMartino	Denise	PJM Interconnection	None
Downs	Jere	PJM Interconnection	None
Drauschak	Lisa	PJM Interconnection	None
Dumitriu	Nick	PJM Interconnection	None
Egan	Amanda	PJM Interconnection	None
Esterly	Theresa	PJM Interconnection	None
Fabiano	Janell	PJM Interconnection	None
Fan	Zhenyu	PJM Interconnection	None
Fereshetian	Damon	PJM Interconnection	None
Fitzpatrick	Brian	PJM Interconnection	None
Franks	Edmund	PJM Interconnection	None
Frogg	Darrell	PJM Interconnection	None
Glatz	Suzanne	PJM Interconnection	None
Glazer	Craig	PJM Interconnection	None
Graf	Walter	PJM Interconnection	None
Greening	Michele	PJM Interconnection	None
Haque	Asim	PJM Interconnection	None
Hartman	Frank	PJM Interconnection	None
Hartung	Shanna	PJM Interconnection	None
Hatch	Kevin	PJM Interconnection	None
Hauske	David	PJM Interconnection	None
Hauske	Tom	PJM Interconnection	None
Heater	Megan	PJM Interconnection	None
Herel	Suzanne	PJM Interconnection	None
Herman	Michael	PJM Interconnection	None
Herrera	Maria	PJM Interconnection	None
Hickey	Mike	PJM Interconnection	None
Hicks	Colleen	PJM Interconnection	None
Hislop	David	PJM Interconnection	None
Horger	Tim	PJM Interconnection	None
Hsia	Eric	PJM Interconnection	None
Hu	Yong	PJM Interconnection	None
Johnson	Jeanine	PJM Board	None
Keech	Adam	PJM Interconnection	None
Keshavamurthy	Bhavana	PJM Interconnection	None
Krizenoskas	Lisa	PJM Interconnection	None
LaRocque	Matthew	PJM Interconnection	None
Lockwood	Daniel	PJM Interconnection	None
Lu	Chen	PJM Interconnection	None
Mali	Gizella	PJM Interconnection	None
Martin	Amanda	PJM Interconnection	None
Marzewski	Skyler	PJM Interconnection	None
McElwee	Steve	PJM Interconnection	None
McGill	Susan	PJM Interconnection	None
McGlynn	Paul	PJM Interconnection	None
McLavery	Megan	PJM Interconnection	None

Messina	Emmy	PJM Interconnection	None
Morelli	Lisa	PJM Interconnection	None
O'Brien	Tom	PJM Interconnection	None
O'Hara	Chris	PJM Interconnection	None
Olaleye	Michael	PJM Interconnection	None
patel	Anita	PJM Interconnection	None
Perera	Asanga	PJM Interconnection	None
Phillips	Darlene	PJM Interconnection	None
Pilong	Christopher	PJM Interconnection	None
Pincus	Steve	PJM Interconnection	None
Ramsay	Eli	PJM Interconnection	None
Salmon	Lisa	PJM Interconnection	None
Scheirer	Alexandra	PJM Interconnection	None
Schuyler	Ken	PJM Interconnection	None
Seiler	Ken	PJM Interconnection	Non
Shah	Vijay	PJM Interconnection	None
Shields	Jeff	PJM Interconnection	None
Souder	Dave	PJM Interconnection	None
Souder	Michelle	PJM Interconnection	None
Stefanowicz	Vince	PJM Interconnection	None
Takahashi	Mark	PJM Board	None
Tribulski	Jen	PJM Interconnection	None
Tutino	Joseph	PJM Interconnection	None
Warshel	Kim	PJM Interconnection	None
Wharton	Matthew	PJM Interconnection	None
Zamojcin	Ann	PJM Interconnection	None
Zhang	Michael	PJM Interconnection	None