

Markets & Reliability Committees
PJM Conference and Training Center, Audubon, PA / WebEx
July 26, 2023
9:00 a.m. – 11:15 a.m. EPT

Administration

Stu Bresler and David Anders welcomed stakeholders and provided the Anti-trust, Code of Conduct, and Meeting Participation announcements. Phil D'Antonio announced a new mandatory reserve market training program for all Member operators which must be completed by September 30, 2023. The training will be deployed to the PJM Learning Management System on July 31, 2023. He also noted that PJM would be posting on July 26, 2023 guidance related to implementation of Performance Assessment Interval (PAI) trigger changes in anticipation of FERC approval on July 30, 2023 of PJM's related May 30, 2023 FERC filing while stressing that existing PAI rules remain in effect until FERC rules on our May 30, 2023 filing.

Consent Agenda

Items A through C were **approved/endorsed** by acclamation with five objections and one abstention (the five objections and abstention were on item C):

- A. Minutes of the June 22, 2023 meeting of the Markets and Reliability Committee (MRC).
- B. Conforming revisions to a series of Manuals and the PJM Regional Transmission and Energy Scheduling Practices addressing the Interconnection Process Reform related changes as approved by FERC in Docket ER22-2110-000. Manual revisions include:
 - Manual 02: Transmission Service Request
 - Manual 06: Financial Transmission Rights
 - Manual 14A: New Services Request Process
 - Manual 14B: PJM Regional Transmission Planning Process
 - Manual 14C: Generation and Transmission Interconnection Facility Construction
 - Manual 14E: Upgrade and Transmission Interconnection Requests
 - Manual 14G: Generation Interconnection Requests
 - Manual 14H: New Service Request Cycle Process
 - Manual 18: PJM Capacity Market
 - Manual 20: Resource Adequacy Analysis
 - Manual 21: Rules and Procedures for Determination of Generating Capability
 - Manual 21A: Determination of Accredited UCAP Using Effective Load Carrying Capability Analysis
 - Manual 27: Open Access Transmission Tariff Accounting, and
 - Manual 28: Operating Agreement Accounting.

[Issue Tracking: Interconnection Process Reform](#)
- C. Proposed revisions to Manual 13: Emergency Operations resulting from its periodic review.

Endorsements

1. NERC TPL – 001 – 5.1 Manual 14B Revisions

Stanley Sliwa reviewed proposed revisions to Manual 14B: PJM Region Transmission Planning Process to align with the NERC TPL – 001 - 5.1 standard. Following discussion, the proposed revisions were **endorsed** by acclamation with no objections or abstentions.

First Readings

2. Enhancements to Deactivation Rules Issue Charge

Paul McGlynn reviewed a Problem Statement and proposed Issue Charge offered by PJM and the Independent Market Monitor addressing enhancements to deactivation rules given the anticipated volume of generation resource retirements expected in the coming years and misunderstandings about how the current rules operate. PJM will consider feedback received and the committee will be asked to approve an updated proposed Issue Charge at it a future meeting.

3. Reserve Certainty Issue Charge

Donnie Bielak reviewed a Problem Statement and proposed Issue Charge addressing reserve certainty, defined as having the appropriate suite of ancillary service products procured at the necessary level coupled with the confidence in resources with an assignment to provide reserves to perform when called upon. He discussed three groups of concerns: the need for excellence in resource performance based on the experience during Winter Storm Elliott; the need to ensure resource adequacy based on findings from the recent Energy Transition in PJM: Resource Retirements, Replacements, and Risks report; and the need to maintain and attract essential Reliability Services as recommended in the Energy Transition in PJM: Frameworks for Analysis paper. PJM will consider feedback received and the committee will be asked to approve an updated proposed Issue Charge at it a future meeting.

4. Manuals (10:45-10:55)

A. Donnie Bielak reviewed proposed revisions to Manual 13: Emergency Operations addressing upcoming NERC EOP-011 Requirements. The committee will be asked to endorse the proposed Manual revisions at its next meeting.

Informational Reports

5. Peak Market Activity)

Tom Zadlo and Yong Hu provided an informational update regarding the peak market activity (PMA) issue at the Risk Management Committee (RMC). He noted that the RMC is expected to vote on a single PMA proposal at the committee's August meeting. To facilitate implementation of the proposed solution in time for upcoming winter, the MRC may be asked to vote on the proposal at first read at its August meeting, or the MRC and the Members Committee may be asked to vote on the proposal at their September meetings.

[Issue Tracking: Peak Market Activity Credit Requirement](#)

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>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
Ament	Todd	Cube Hydro Partners, LLC	Generation Owner
Bruce	Susan	Messer LLC	End-Use Customer
Bruce	Susan	Kimberly-Clark Corporation	Generation Owner
Bruce	Susan	Procter & Gamble Paper Products Company (The)	End-Use Customer
Bruce	Susan	Wellsboro Electric Company	Electric Distributor
Bruce	Susan	Letterkenny Industrial Development Authority - PA	Electric Distributor
Bruce	Susan	Cleveland-Cliffs Steel LLC	End-Use Customer
Bruce	Susan	Linde Inc.	End-Use Customer
Bruce	Susan	MeadWestvaco Corporation	End-Use Customer
Bruce	Susan	Lehigh Portland Cement Company	End-Use Customer
Bruce	Susan	Air Products & Chemicals, Inc.	End-Use Customer
Bruce	Susan	Trustees of the University of Pennsylvania	End-Use Customer
Bruce	Susan	Gerdau Ameristeel Energy, Inc.	End-Use Customer
Canter	David	Appalachian Power Company	Transmission Owner
Corash	Richard	Public Service Electric and Gas 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
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	GenOn Energy Management, LLC	Generation Owner
Hyzinski	Thomas	Dynegy Marketing and Trade, LLC	Generation Owner

Hyzinski	Thomas	Carroll County Energy LLC	Generation Owner
Jardot	Gina	NRG Power Marketing LLC	Generation Owner
Johnson	Carl	Old Dominion Electric Cooperative	Electric Distributor
Johnson	Carl	North Carolina Electric Membership Corporation	Electric Distributor
Johnson	Carl	Michigan Public Power Agency	Electric Distributor
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	WPPI Energy	Other Supplier
Johnson	Carl	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Johnson	Carl	Thurmont Municipal Light Company	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	Energy Cooperative Association of Pennsylvania (The)	Other Supplier
Johnson	Carl	Town of Williamsport (The)	Electric Distributor
Mason	Gary	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Pakela	Greg	DTE Energy Trading, Inc.	Other Supplier
Scarpignato	David	Calpine Energy Services, L.P.	Generation Owner
Stern	Alexander	Exelon Business Services Company, LLC	Transmission Owner
Swalwell	Bradley	Tangent Energy Solutions, Inc.	Other Supplier
Tubridy	Meg	Rockland Electric Company	Transmission Owner
Ushijima	Hiroaki	Elwood Energy, LLC	Generation Owner
Whitehead	Jeffrey	Essential Power Rock Springs, LLC	Generation Owner
Whitehead	Jeffrey	Parkway Generation Operating LLC	Generation Owner
Whitehead	Jeffrey	Wheelabrator Falls Inc.	Generation Owner
Yovanovich	Laura	PPL Electric Utilities Corporation d/b/a PPL Utilities	Transmission Owner

Non-Voting Attendees

Last Name	First Name	Company	Sector
Ahuja	Manan	RiverCrest Power-South, LLC	Other Supplier
Anderson	Juliet	Constellation Energy Generation, LLC	Generation Owner
Anderson	Bob	Tenaska Power Services Co.	Generation Owner
Bainbridge	Thomas	American Transmission Systems, Inc.	Transmission Owner
Baker	Laura	Stone Mattheis Xenopoulos & Brew, PC	None
Berthiaume	Scott	Rockland Electric Company	Transmission Owner
Bleiweis	Bruce	DC Energy, LLC	Other Supplier
Borgatti	Mike	Gabel Associates	None
Brahman	Azade	Orsted US Trading LLC	None
Brodbeck	John	EDP Renewables North America LLC	Generation Owner
Callen	Zachary	Illinois Commerce Commission	None
Carmean	Gregory	Organization of PJM States, Inc.	None
Carrier	Ron	Big Lake Consulting	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
Circelli	Roseanne	PSEG Energy Resources & Trade LLC	Other Supplier
Clifford	Brigid	Pine Gate Mid-Atlantic, LLC	Generation Owner
Cocco	Michael	Old Dominion Electric Cooperative	Electric Distributor
Cox	Jason	EQ Energy Advisors, LLC	None
Dadourian	John	Monitoring Analytics	None

DeMarco	Nicholas	Pennsylvania Office of Consumer Advocate	End-Use Customer
Esquivel	Manuel	Enel Trading North America, LLC	Other Supplier
Everngam	Scott	Blue Horseshoe Energy LLC	None
Farnsworth	Barney	Wellsboro Electric Company	Electric Distributor
Ferguson	Mike	Indeck Niles, LLC	Generation Owner
Filomena	Guy	Customized Energy Solutions, Ltd.	None
Fink	Sari	American Wind Energy Association	None
Fink	Regan	Pine Gate Mid-Atlantic, LLC	Generation Owner
Fishback	Luke	Affirmed Energy LLC (WMP)	Other Supplier
Foladare	Kenneth	Geenex Solar LLC	Other Supplier
Ford	Adrien	Constellation Energy Generation, LLC	Generation Owner
Fuess	Christian	Diamond State Generation Partners, LLC	Generation Owner
Fultz	McClain	PPL Electric Utilities Corp. dba PPL Utilities (LSE)	Transmission Owner
Garnett	Bryan	Duke Energy Ohio, Inc.	Transmission Owner
Gates	Terry	Appalachian Power Company (AEP Generation)	Transmission Owner
Gilani	Rehan	RWE CLEAN ENERGY WHOLESALE SERVICES, INC.	Other Supplier
Glazer	Grant	MN8 Energy Operating Company LLC	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
Hanser	Erik	Michigan Public Service Commission	None
Hastings	David	PSEG Energy Resources & Trade LLC	Other Supplier
Heinle	Frederick	Dynegy Marketing and Trade, LLC	Generation Owner
Herbert	Charles	Maryland Public Service Commission	None
Himmelspach	Treasa	Appalachian Power Company (APCO Dedicated)	Transmission Owner
Horning	Lynn Marie	American Municipal Power, Inc.	Electric Distributor
Hugee	Jacquelynn	Dominion Virginia Power	Transmission Owner
Hyatt	Earl	Monitoring Analytics	None
Iler	Arthur	Indiana Office of Utility Consumer Counselor	End-Use Customer
Ingraham	Deborah	Acciona Energy North America Corporation	Generation Owner
Janicki	Diane	Boston Energy Trading and Marketing LLC	Other Supplier
Johnston	David	Indiana Utility Regulatory Commission	None
Jones	Scott	Indiana Office of Utility Consumer Counselor (IN OUCC)	End-Use Customer
Kaplan	Don	K&L Gates	None
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
Klingensmith	Laurel	American Transmission Systems, Inc.	Transmission Owner
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
Long	Scott	Allegheny Electric Cooperative, Inc.	Electric Distributor
Malik	Naureen	Bloomberg News	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
McClelland	Maura	Public Utilities Commission of Ohio	None
McClelland	Maura	Public Utilities Commission of Ohio	None
McCormick	Katharine	Illinois Commerce Commission	None
McNicholas	Daniel	Nautilus Power, LLC	Generation Owner
Mekala	Karthik	RWE Clean Energy, LLC	Generation Owner
Mok	Alan	Duke Energy Kentucky, Inc.	Transmission Owner
Mooney	Jeffrey	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Nadel	Steven	PPL Electric Utilities Corp. dba PPL Utilities (LSE)	Transmission Owner

Nix	Emma	Leeward Asset Management, LLC	Generation Owner
Noel Jeune	Reynaldo	Orsted Onshore North America, LLC	Generation Owner
Okenfuss	James	Savion, LLC	None
Ondayko	Brock	AEP Energy Partners, Inc. (AEP Gen Resources)	Transmission Owner
Osborn	Eric	EDF Trading North America, LLC	Other Supplier
Parrot	Sarah	Public Utilities Commission of Ohio	None
Parrott	Keith	Michigan Public Power Agency	Electric Distributor
Patkar	Neil	Karbone Energy LLC	Other Supplier
Pham	Bao	Lincoln Generating Facility, LLC	Generation Owner
Phillips	Amanda	Aces Power Marketing	None
Poulos	Greg	CAPS	None
Price	Ruth	Delaware Division of the Public Advocate	End-Use Customer
Rasmussen	Jay	Duke Energy Business Services LLC	Transmission Owner
Rettig	Kacie	Rockland Electric Company	Transmission Owner
Rode	Advait	Michigan Public Service Commission	None
Rutledge	Craig	Appalachian Power Company (APCO Dedicated)	Transmission Owner
Samb	Massamba	BrightNight	None
Sasser	Jonathan	Customized Energy Solutions, Ltd.	None
Scarpignato	Dominic	Scarp Industries	None
Scheidecker	Paul	Monitoring Analytics	None
Schreim	Morris	Maryland Public Service Commission	None
Selick	Sam	Customized Energy Solutions, Ltd.	None
Shanker	Roy	East Coast Power Linden Holding, L.L.C.	Generation Owner
Sidhu	Kiran	e360 Power LLC	None
Singh	Harliv	Invenergy, LLC	Generation Owner
Skumanich	Bill	RTR Energy Solutions LLC	None
Sloan	Ben	Organization of PJM States, Inc.	None
Smith	Kara	Buckeye Power, Inc.	Electric Distributor
Sorrels	James	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Sotkiewicz	Paul	E-Cubed Policy Associates	None
Sparks	Bridget	sPower Development Company, LLC	None
Spencer	Douglas	Southeastern Power Administration	Other Supplier
Sprinkle	Dan	Louisville Gas and Electric Company/Kentucky Utilities Company	Transmission Owner
Stadelmeyer	Rebecca	Jersey Green Energy LLC	Other Supplier
Stern	Alexander	Exelon Business Services Company, LLC	Transmission Owner
Stone	Andy	Non-member	None
Stuchell	Jeff	American Transmission Systems, Inc.	Transmission Owner
Sussler	Philip	Maryland Office of People's Counsel	End-Use Customer
Sweeney	Rory	Power Prose, Inc.	None
Swigonski	Frank	Pine Gate Mid-Atlantic, LLC	Generation Owner
Taylor	Charles	KMC Thermo, LLC	Generation Owner
Theodore	Sharon	EPSA	None
Thomas	Amber	Exelon Business Services Company, LLC	Transmission Owner
Thompson	Chimera	K&L Gates	None
Vayda	Brian	Borough of Park Ridge, New Jersey	Electric Distributor
Walker	Jennifer	Exelon Business Services Company, LLC	Transmission Owner
Wang	Ping	CEFX Cloud	None
Webb	Becky	Exelon Business Services Company, LLC	Transmission Owner
Weeks	Thomas	Michigan Public Power Agency	Electric Distributor
Wehnes	Kathleen	Non-member	None
Wilson	James	Wilson Economics	None
Wingfield	Derek	East Kentucky Power Cooperative, Inc.	Transmission Owner
Wylie-Chambers	Ericka	Exelon Business Services Company, LLC	Transmission Owner
Wynder	Michael	Altrock LLC	Other Supplier
XU	SHU	MISO	None

Yasutake	Sarah	Jersey Green Energy LLC	Other Supplier
York	Denver	East Kentucky Power Cooperative, Inc.	Transmission Owner
Zemanek	Kevin	Buckeye Power, Inc.	Electric Distributor

PJM Attendees

Last Name	First Name	Company	Sector
Anders	David	PJM Interconnection	None
Baizman	Aaron	PJM Interconnection	None
Belenky	Maria	PJM Interconnection	None
Bennett	Daniel	PJM Interconnection	None
Bennett	Stephen	PJM Interconnection	None
Bowker	Shannon	PJM Interconnection	None
Boyle	Glen	PJM Interconnection	None
Bresler	Stu	PJM Interconnection	None
Bryson	Michael	PJM Interconnection	None
Burdis	Tim	PJM Interconnection	None
Cao	Roger	PJM Interconnection	None
Carroll	Rebecca	PJM Interconnection	None
Chmielewski	Brian	PJM Interconnection	None
Ciabattoni	Joe	PJM Interconnection	None
Croop	Danielle	PJM Interconnection	None
D'Antonio	Phil	PJM Interconnection	None
Davis	Elizabeth	PJM Interconnection	None
DeVita	Thomas	PJM Interconnection	None
DiMartino	Denise	PJM Interconnection	None
Dumitriu	Nicolae	PJM Interconnection	None
Egan	Amanda	PJM Interconnection	None
Fabiano	Janell	PJM Interconnection	None
Fan	Zhenyu	PJM Interconnection	None
Farhat	Michelle	PJM Interconnection	None
Fitzpatrick	Brian	PJM Interconnection	None
Franks	Christine	PJM Interconnection	None
Frogg	Darrell	PJM Interconnection	None
Gates	Jill	PJM Interconnection	None
Greening	Michele	PJM Interconnection	None
Hatch	Kevin	PJM Interconnection	None
Hauske	David	PJM Interconnection	None
Hauske	Thomas	PJM Interconnection	None
Herel	Suzanne	PJM Interconnection	None
Hislop	David	PJM Interconnection	None
Horger	Tim	PJM Interconnection	None
Hoshmand	Mojtaba	PJM Interconnection	None
Hsia	Eric	PJM Interconnection	None
Kenney	Susan	PJM Interconnection	None
Keshavamurthy	Bhavana	PJM Interconnection	None
Kimmel	David	PJM Interconnection	None
LaRocque	Matt	PJM Interconnection	None
Lee	Ray	PJM Interconnection	None
Lockwood	Dan	PJM Interconnection	None
Mali	Gizella	PJM Interconnection	None
Marcino	Angelo	PJM Interconnection	None
Martin	Amanda	PJM Interconnection	None
Mathew	Lagy	PJM Interconnection	None
McElwaine	Kathy	PJM Interconnection	None
McGill	Susan	PJM Interconnection	None
McGovern	Jason	PJM Interconnection	None

McLaughlin	Jeffrey	PJM Interconnection	None
McLavery	Megan	PJM Interconnection	None
Messina	Emmy	PJM Interconnection	None
Morelli	Lisa	PJM Interconnection	None
Nitchie	Laura	PJM Interconnection	None
Patel	Anita	PJM Interconnection	None
Patel	Keyur	PJM Interconnection	None
Pilong	Christopher	PJM Interconnection	None
Pilong	Melissa	PJM Interconnection	None
Reid	John	PJM Interconnection	None
Scherling	Eric	PJM Interconnection	None
Schriner	Christine	PJM Interconnection	None
Schuyler	Ken	PJM Interconnection	None
Souder	Michelle	PJM Interconnection	None
Spatafore	Julia	PJM Interconnection	None
Stanisz	Mark	PJM Interconnection	None
Stefanowicz	Vince	PJM Interconnection	None
Thomas	Jack	PJM Interconnection	None
Tribulski	Jennifer	PJM Interconnection	None
Vinnik	Daniel	PJM Interconnection	None
Waweru	James	PJM Interconnection	None
Widom	Stuart	PJM Interconnection	None
Wolfe	Art	PJM Interconnection	None
Zhang	Michael	PJM Interconnection	None