

Markets & Reliability Committees
PJM Conference and Training Center, Audubon, PA / WebEx
June 22, 2023
9:00 a.m. – 11:10 a.m. EPT

Administration

Mike Bryson and David Anders welcomed stakeholders and provided the Anti-trust, Code of Conduct, and Meeting Participation announcements. Adam Keech announced the anticipated release of the final report on Winter Storm Elliott on July 17. This will be followed by a workshop to discuss the results on July 25, 9:00-12:00 a.m.

Consent Agenda

Items A and B were **approved/endorsed** by acclamation with no objections and one abstention:

- A. Draft Minutes of the May 31, 2023 meeting of the Markets and Reliability Committee.
- B. Proposed clarifying Tariff, Operating Agreement (OA), and Reliability Assurance Agreement (RAA) revisions as endorsed by the Governing Documents Enhancements and Clarifications Subcommittee (GDECS).

Endorsements

1. Base Residual Auction Smooth Supply Curves

Skyler Marzewski reviewed a proposed solution and corresponding Tariff revisions related to calculating the smooth supply curves for the Base Residual Auctions. Following discussion, the proposed revisions were **endorsed** by acclamation with no objections or abstentions.

[Issue Tracking: Base Residual Auction \(BRA\) Smoothed Supply Curve](#)

2. IROL-CIP Cost Recovery

Darrell Frogg reviewed a proposed solution addressing IROL-CIP cost recovery and corresponding Tariff revisions. Following discussion, the proposed revisions were **endorsed** by acclamation with four objections and 12 abstentions.

[Issue Tracking: IROL-CIP Cost Recovery](#)

First Readings

3. Manuals

A. Onyinye Caven reviewed 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.

The committee will be asked to endorse the Manual revisions at its next meeting.

[Issue Tracking: Interconnection Process Reform](#)

- B. Frank Hartman reviewed proposed revisions to Manual 13: Emergency Operations resulting from its periodic review. The committee will be asked to endorse these changes at its next meeting.

Informational Report

4. Clean Attribute Procurement Senior Task Force (CAPSTF)

Scott Baker provided an update on the CAPSTF activities and the design concept proposals consistent with Key Work Activity #7 in the related Issue Charge.

[Issue Tracking: Procurement of Clean Resource Attributes](#)

5. CP Performance Assessment Interval (PAI) Notifications

Chris Pilong reviewed PJM's communication approach in the event of a Capacity Performance (CP) Performance Assessment Interval (PAI) while awaiting a FERC Order.

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>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

November 15, 2023	9:00 a.m.	PJM Conference & Training Center and WebEx	November 3, 2023	November 8, 2023
December 20, 2023	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
Bryson	Mike	PJM Interconnection LLC	Not Applicable
Anders	Dave	PJM Interconnection LLC	Not Applicable

Voting Attendees

Last Name	First Name	Company	Sector
Brodbeck	John	EDP Renewables North America LLC	Generation Owner
Bruce	Susan	Letterkenny Industrial Development Authority - PA	Electric Distributor
Bruce	Susan	MeadWestvaco Corporation	End-Use Customer
Bruce	Susan	Cleveland-Cliffs Steel LLC	End-Use Customer
Bruce	Susan	Procter & Gamble Paper Products Company (The)	End-Use Customer
Bruce	Susan	Kimberly-Clark Corporation	Generation Owner
Bruce	Susan	Trustees of the University of Pennsylvania	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	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
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
Fink	Regan	Pine Gate Mid-Atlantic, LLC	Generation Owner
Hohenshilt	Jennifer	Talen Energy Marketing, LLC	Generation Owner
Horning	Lynn	American Municipal Power, Inc.	Electric Distributor
Horstmann	John	Dayton Power & Light Company (The)	Transmission Owner
Hyzinski	Thomas	Carroll County Energy LLC	Generation Owner
Hyzinski	Thomas	Dynegy Marketing and Trade, LLC	Generation Owner
Hyzinski	Thomas	GenOn Energy Management, LLC	Generation Owner
Johnson	Carl	Thurmont Municipal Light Company	Electric Distributor
Johnson	Carl	Old Dominion Electric Cooperative	Electric Distributor
Johnson	Carl	WPPI Energy	Other Supplier
Johnson	Carl	Northern Virginia Electric Cooperative (NOVEC)	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	Town of Williamsport (The)	Electric Distributor
Johnson	Carl	Blue Ridge Power Agency, Inc.	Electric Distributor
Johnson	Carl	Illinois Municipal Electric Agency	Electric Distributor
Johnson	Carl	Hagerstown Light Department	Electric Distributor
Johnson	Carl	Energy Cooperative Association of Pennsylvania (The)	Other Supplier
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
Mason	Gary	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Pakela	Greg	DTE Energy Trading, Inc.	Other Supplier
Poulos	Greg	Pennsylvania Office of Consumer Advocate	End-Use Customer
Poulos	Greg	Public Staff - North Carolina Utilities Commission	End-Use Customer
Poulos	Greg	Delaware Division of the Public Advocate	End-Use Customer
Poulos	Greg	West Virginia Consumer Advocate Division	End-Use Customer
Poulos	Greg	Indiana Office of Utility Consumer Counselor (IN OUCC)	End-Use Customer
Poulos	Greg	New Jersey Division of Rate Counsel	End-Use Customer
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
Tubridy	Meg	Rockland Electric Company	Transmission Owner
Ushijima	Hiroaki	Elwood Energy, LLC	Generation Owner
Vayda	Brian	Borough of Pemberton, New Jersey	Electric Distributor
Vayda	Brian	Vineland Municipal Electric Utility	Electric Distributor
Vayda	Brian	Borough of Madison, New Jersey	Electric Distributor
Vayda	Brian	Borough of Lavallette, New Jersey	Electric Distributor
Vayda	Brian	Borough of Butler, Butler Electric Division	Electric Distributor
Vayda	Brian	Borough of Seaside Heights, New Jersey	Electric Distributor
Vayda	Brian	Borough of Park Ridge, New Jersey	Electric Distributor
Vayda	Brian	Borough of Milltown, New Jersey	Electric Distributor
Vayda	Brian	Borough of South River, New Jersey	Electric Distributor
Walcavich	Colin	Green River Holdings, 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
Ament	Todd	Cube Hydro Partners, LLC	Generation Owner
Anderson	Juliet	Constellation Energy Generation, LLC	Generation Owner
Anderson	Jared	S&P Global	None
Arega	Robel	GlidePath Development LLC	None
Bainbridge	Thomas	American Transmission Systems, Inc.	Transmission Owner
Baker	Jeff	Duke Energy Ohio, Inc.	Transmission Owner
Barker	Jason	Vitol Inc.	Generation Owner
Berthiaume	Scott	Rockland Electric Company	Transmission Owner
Blackwell	Terry	Non-member	None
Brown Rayhorn	Carolyn	Virginia Electric & Power Company	Transmission Owner
Carmean	Gregory	Organization of PJM States, Inc.	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
Concina	Wendell	Commonwealth Edison Company	Transmission Owner
Corash	Richard	PSEG Energy Resources and Trade LLC	Other Supplier
Cosby	Sarah	Dominion Virginia Power	Transmission Owner
Cox	Jason	EQ Energy Advisors, LLC	None
Crystle	Gil	UGI Development Company	Generation Owner
dadourian	john	Monitoring Analytics	None
Davis	David	Apex Clean Energy Management, LLC	None
DeMarco	Nicholas	Pennsylvania Office of Consumer Advocate	End-Use Customer

Dillon	Matthew	UGI Development Company	Generation Owner
Douglass	Robert	Constellation Energy Generation, LLC	Generation Owner
Drom	Rick	Non-member	None
Duensing	Allison	Saracen Energy East LP	Other Supplier
Edgar-Smith	Collin	Ohio Edison Company	Electric Distributor
Edmonds	Brian	DC Public Service Commission	None
Evergam	Scott	Blue Horseshoe Energy LLC	None
Feller	John	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Fink	Sari	American Wind Energy Association	None
Fishback	Luke	Affirmed Energy LLC	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	Transmission Owner
Ghosh	Josh	Cypress Creek Renewables, LLC	Generation Owner
Gilani	Rehan	RWE CLEAN ENERGY WHOLESALE SERVICES, INC.	Other Supplier
Gordon	Jon	Advanced Energy United	None
Gorman	Bradley	American Transmission Systems, Inc.	Transmission Owner
Greene	Ben	Appalachian Power Company	Transmission Owner
Hastings	David	Long Island Lighting Company dba LIPA	Other Supplier
Heinle	Erik	Dynegy Marketing and Trade, LLC	Generation Owner
Heisey	Bradley	Tenaska Pennsylvania Partners, LLC	Generation Owner
Himmelspach	Treasa	Appalachian Power Company (APCO Dedicated)	Transmission Owner
Hoatson	Tom	West Deptford Energy, LLC	Generation Owner
Holdbrook	Ruth	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Hugee	Jacquelynn	Dominion Virginia Power	Transmission Owner
Hull	Gerit	American Municipal Power, Inc.	Electric Distributor
Hyatt	Earl	Monitoring Analytics LLC	None
Iler	Art	Indiana Office of Utility Consumer Counselor	End-Use Customer
Janicki	Diane	Boston Energy Trading and Marketing LLC	Other Supplier
Jardot	Gina	NRG Curtailment Solutions, Inc.	Other Supplier
Johnston	David	Indiana Utility Regulatory Commission	None
Jones	Scott	Indiana Utility Regulatory Commission	None
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
Kim	Caleb	Dayton Power & Light Company (The)	Transmission Owner
Kogut	George	New York Power Authority	Other Supplier
Korandovich	Robert	KOREnergy, Ltd.	Other Supplier
Kou	Derek	EDP Renewables North America LLC	Generation Owner
Koz	Brian	Non-member	None
Laios	Takis	Appalachian Power Company (AEP Transmission)	Transmission Owner
Last Name	Frist Name	Company	Sector
Lawton	Alex	Advanced Energy United	None
Leith-Yessian	Devin	RTOinsider	None
Mabry	David	McNees Wallace & Nurick LLC	None
Mariam	Yohannes	Office of the People's Counsel for the District of Columbia	End-Use Customer
Martin	Skyler	East Kentucky Power Cooperative, Inc.	Transmission Owner
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
McNeil	Justin	Kentucky Public Service Commission	None

McNicholas	Daniel	Nautilus Power, LLC	Generation Owner
Mekala	Karthik	RWE Clean Energy, LLC	Generation Owner
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Mihaly	Imola	Nautilus Power, LLC	Generation Owner
Mooney	Jeffrey	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Moore Darrah	Rebecca	Wabash Valley Power Association, Inc.	Electric Distributor
Murawski	James	PSEG Energy Resources and Trade LLC	Other Supplier
Murphy	Shaun	Urban Grid Solar Projects, LLC	Other Supplier
Nadel	Steven	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Nader	Jordan	Public Staff - North Carolina Utilities Commission	End-Use Customer
Norton	Chris	American Municipal Power, Inc.	Electric Distributor
ODonnell	Colleen	Public Utilities Commission of Ohio	None
Ondayko	Brock	AEP Energy Partners, Inc. (AEP Gen Resources)	Transmission Owner
Panegal	Ash	Plus Power	None
Parrot	Sarah	Public Utilities Commission of Ohio	None
Patkar	Neil	Karbone	None
Peoples	John	Duquesne Light Company	Transmission Owner
Phenix	Michael	Red Oak Power, LLC	Generation Owner
Pierpont	Dan	Riverside Generating Company, L.L.C.	Generation Owner
Reagan	Ryann	New Jersey Board of Public Utilities	None
Richards	Wade	Apex Clean Energy Holdings, LLC	None
Rohrbach	John	Wabash Valley Power Association, Inc.	Electric Distributor
Rutledge	Craig	Appalachian Power Company (APCO Dedicated)	Transmission Owner
Sasser	Jonathan	Customized Energy Solutions, Ltd.	None
Scheidecker	Paul	Monitoring Analytics LLC	None
Schreim	Morris	Maryland Public Service Commission	None
Skucas	Ruta	K&L Gates	None
Sloan	Ben	Organization of PJM States, Inc.	None
Sparks	Bridget	sPower Development Company, LLC	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
Sturgeon	John	Duke Energy Business Services LLC	Transmission Owner
Sweeney	Rory	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
VanderLaan	Bill	Illinois Commerce Commission	None
Walker	Jennifer	Exelon Business Services Company, LLC	Transmission Owner
Webb	Becky	Exelon Business Services Company, LLC	Transmission Owner
Wehnes	Kathleen	Non-member	None
Wilches	Rafael	PSEG Energy Resources & Trade LLC	Other Supplier
Wilson	James	Wilson Economics	None
Wingfield	Derek	East Kentucky Power Cooperative, Inc.	Transmission Owner
Wylie-Chambers	Ericka	Exelon Business Services Company, LLC	Transmission Owner
York	Denver	East Kentucky Power Cooperative, Inc.	Transmission Owner

PJM Attendees

Last Name	First Name	Company	Sector
Amoling	Leo	PJM Interconnection	None
Anders	David	PJM Interconnection	None
Baizman	Aaron	PJM Interconnection	None
Baker	Scott	PJM Interconnection	None
Belenky	Maria	PJM Interconnection	None
Bennett	Dan	PJM Interconnection	None
Bernabeu	Emanuel	PJM Interconnection	None
Berner	Aaron	PJM Interconnection	None
Bernstein	Matthew	PJM Interconnection	None

Bryson	Michael	PJM Interconnection	None
Callaghan	Christopher	PJM Interconnection	None
Carroll	Rebecca	PJM Interconnection	None
Chmielewski	Brian	PJM Interconnection	None
Choi	Byoungkon	PJM Interconnection	None
Connell	Jason	PJM Interconnection	None
Connolly	Matthew	PJM Interconnection	None
Croop	Danielle	PJM Interconnection	None
D'Antonio	Phil	PJM Interconnection	None
DeVita	Thomas	PJM Interconnection	None
Esterly	Theresa	PJM Interconnection	None
Fan	Zhenyu	PJM Interconnection	None
Fereshetian	Damon	PJM Interconnection	None
Forrest	Steve	PJM Interconnection	None
Franks	Chris	PJM Interconnection	None
Franks	Edmund	PJM Interconnection	None
Frogg	Darrell	PJM Interconnection	None
Greening	Michele	PJM Interconnection	None
Haque	Asim	PJM Interconnection	None
Hartman	Frank	PJM Interconnection	None
Hatch	Kevin	PJM Interconnection	None
Hauske	Tom	PJM Interconnection	None
Herel	Suzanne	PJM Interconnection	None
Hicks	Colleen	PJM Interconnection	None
Horger	Tim	PJM Interconnection	None
Hoshmand	Mojtaba	PJM Interconnection	None
Hsia	Eric	PJM Interconnection	None
Kenney	Susan	PJM Interconnection	None
Kshatriya	Niraj	PJM Interconnection	None
Lai	Erin	PJM Interconnection	None
LaRocque	Matt	PJM Interconnection	None
Lee	Ray	PJM Interconnection	None
Lockwood	Dan	PJM Interconnection	None
Long	Glenn	PJM Interconnection	None
Lu	Chen	PJM Interconnection	None
Lynn	Brian	PJM Interconnection	None
Mali	Gizella	PJM Interconnection	None
Marzewski	Skyler	PJM Interconnection	None
McElwaine	Kathy	PJM Interconnection	None
McGill	Susan	PJM Interconnection	None
McLaughlin	Jeffrey	PJM Interconnection	None
McLaverty	Megan	PJM Interconnection	None
Patel	Keyur	PJM Interconnection	None
Pilong	Melissa	PJM Interconnection	None
Pincus	Steve	PJM Interconnection	None
Ramsay	Eli	PJM Interconnection	None
Reiter	Heather	PJM Interconnection	None
Scheirer	Alexandra	PJM Interconnection	None
Schuyler	Ken	PJM Interconnection	None
Shields	Jeff	PJM Interconnection	None
Souder	Dave	PJM Interconnection	None
Souder	Michelle	PJM Interconnection	None
Stefanowicz	Vince	PJM Interconnection	None
Tribulski	Jen	PJM Interconnection	None
Vinnik	Daniel	PJM Interconnection	None
Wolfe	Art	PJM Interconnection	None



Minutes

Zhang	Michael	PJM Interconnection	None
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