

**Planning Committee**  
**Webex/PJM Conference and Training Center**  
**December 05, 2023**  
**9:00 a.m. – 10:00 a.m. EPT**

## Administration

1. Rebecca Carroll, PJM, called the meeting to order. Ashwini Bhat, PJM, reviewed the Antitrust, Code of Conduct, media participation, WebEx and In-person meeting participation guidelines.
2. Rebecca Carroll reviewed and stakeholders approved the December 05, 2023 Planning Committee (PC) Agenda.
3. Ashwini Bhat reviewed and **stakeholders approved the draft minutes from the October 31, 2023 Planning Committee by acclamation with 0 objections and 0 abstentions.**
4. Rebecca Carroll reviewed the PC Charter. **The PC Charter was endorsed with no changes.**

## Endorsements

5. Manual 21A – Determination of Accredited UCAP Using Effective Load Carrying Capability Analysis

Josh Bruno, PJM, provided an update on conforming revisions to Manual - 21A due to Hybrids –Phase II – Market Participation of Hybrid Resources and other Mixed Technology Facilities. **The manual changes were endorsed by acclamation with 0 objections and 0 abstentions.**

[Issue Tracking: Solar - Battery Hybrid Resources](#)

## First Reads

There were no first reads at this meeting.

## Informational Updates

6. Preliminary 2024 Load Forecast

Molly Mooney, PJM, reviewed the preliminary 2024 Load Forecast results.

7. Transmission & Substation Subcommittee Update

Brian Lynn, PJM, provided an update on the Transmission & Substation Subcommittee (TSS) work activities through 2023.

## 8. Reliability Compliance Update

Becky Davis, PJM, provided an update on the activities, issues and items of interest at NERC, SERC, and RF.

### Informational Posting

#### A. Model Build Activity Update

- RTEP
  - 2024 Series Load Flow
    - TOs to submit Trial 1 feedback by November 27<sup>th</sup>
    - PJM to provide Trial 2 cases for review by December 8<sup>th</sup>
  - 2024 Series Short Circuit
    - PJM to provide Trial 1 case for review by January 12<sup>th</sup>
- MMWG
  - 2023 Series Dynamics
    - PJM submitted dynamics update to Powertech on November 9<sup>th</sup>
    - PJM submitted dynamics load models to Powertech on November 21<sup>st</sup>
    - PJM submitted dynamic device models to Powertech by November 22<sup>nd</sup>

#### B. FERC Waiver of Timing Requirement for Annual Market Efficiency Reevaluation (FERC Docket No. ER24-477) - [Presentation](#) .

Future Meeting Dates and Materials			Materials Due to Secretary	Materials Published
Date	Time	Location	5:00 p.m. EPT deadline*	
Tuesday, January 9, 2023	9:00 a.m. – 12:00 p.m.	PJM Conference & Training Centre and Webex	Thursday, December 26, 2023	Tuesday, January 2, 2024
Tuesday, February 6, 2024	9:00 a.m. – 12:00 p.m.	PJM Conference & Training Centre and Webex	Thursday, January 25, 2024	Tuesday, January 30, 2024
Tuesday, March 5, 2024	9:00 a.m. – 12:00 p.m.	PJM Conference & Training Centre and Webex	Thursday, February 22, 2024	Tuesday, February 27, 2024
Tuesday, April 2, 2024	9:00 a.m. – 12:00 p.m.	PJM Conference & Training Centre and Webex	Thursday, March 21, 2024	Tuesday, March 26, 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: Ashwini Bhat

## Attendance

First Name	Last Name	Company	Sector
Rebecca (Chair)	Carroll	PJM Interconnection	Not Applicable
Ashwini (Secretary)	Bhat	PJM Interconnection	Not Applicable
Aaron	Berner	PJM Interconnection	Not Applicable
Adrian	Gonzalez	PJM Interconnection	Not Applicable
Adrien	Ford	Constellation Energy Generation, LLC	Generation Owner
Alexander	Stern	Exelon	Transmission Owner
Ali	Shadab	Nextera Energy Transmission LLC.	Other Supplier
Allie	Koeplinger	Michigan public Service Commission	Not Applicable
Amber	Thomas	Exelon	Transmission Owner
Amina	Jagana	Dayton Power & Light Company (The)	Transmission Owner
Andrea	Maucher	Delaware Division of the Public Advocate	Not Applicable
Andres	Perez	NextEra	Generation Owner
Andrew	Gledhill	PJM Interconnection	Not Applicable
Anu	Janapareddy	Green River Holdings, LLC	Generation Owner
Baker	Jeff	Duke Energy	Transmission Owner
Bao	Pham	Lincoln Generating Facility, LLC	Generation Owner
Becky	Davis	PJM Interconnection	Not Applicable
Becky	Webb	Exelon Business Services Company, LLC	Transmission Owner
Ben	Silliman	Apex Clean Energy Holdings, LLC	Not Applicable
Ben	Sloan	Organization of PJM States, Inc.	Not Applicable
Bill	Skumanich	RTR Energy	Not Applicable
Bob	Kosner	Illinois Municipal Electric Agency	Other Supplier
Brad	Swalwell	Tangent	Other Supplier
Brian	Hallett	ReliabilityFirst	Not Applicable
Brian	Lynn	PJM Interconnection	Not Applicable
Brock	Ondayko	AEP Energy	Transmission Owner
Bryan	Garnett	Duke Energy Ohio, Inc.	Transmission Owner
Caleb	Gemperlein	Heelstone Energy	Not Applicable
Carl	Johnson	Customized Energy Solutions, Ltd.	Not Applicable
Catherine	Schmitt	Public Service Electric and Gas Company	Transmission Owner
Chris	Mertz	Candela Renewables	Not Applicable

Charles	Vogel	Ordien Power	Not Applicable
Christian	McDewell	PA Public Utility Commission	Not Applicable
Christian	Fuess	Diamond State Generation Partners, LLC	Generation Owner
Christin	Domian	Duquesne Light Company	Transmission Owner
Christine	Franks	PJM Interconnection	Not Applicable
Christine	Schrivier	PJM Interconnection	Not Applicable
Christopher	Nekolny	Exelon Business Services Company, LLC	Transmission Owner
Christopher	Szmodis	PPL	Transmission Owner
Chuck	Dugan	East Kentucky Power Cooperative, Inc.	Transmission Owner
Cleveland	Richards Jr	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Cleveland	Richards Jr.	PPL	Transmission Owner
Connie	Schroeder	Dominion Energy	Transmission Owner
Craig	Glazer	PJM Interconnection	Not Applicable
Craig	Rutledge	Appalachian Power Company (AEP Generation)	Transmission Owner
Dan	Benson	Duke Energy Indiana, LLC	Not Applicable
David	Anders	PJM Interconnection	Not Applicable
David	Vermeire	Exelon Business Services Company, LLC	Transmission Owner
David	Mabry	McNees Wallace & Nurick LLC	Not Applicable
David	Hastings	Public Service Electric and Gas Company	Transmission Owner
David	Vermeire	Exelon	Transmission Owner
David	Scarpignato	Calpine Energy Services	Generation Owner
David	Souder	PJM Interconnection	Not Applicable
David	Anders	PJM Interconnection	Not Applicable
Denise	Foster Cronin	East Kentucky Power Cooperative, Inc.	Transmission Owner
Denver	York	EKPC	Transmission Owner
Devin	Leith-Yessian	RTO Insider	Not Applicable
Diane	Janicki	Boston Energy Trading and Marketing LLC	Other Supplier
Doug	Guignet	PJM Interconnection	Not Applicable
Earl	Hyatt	Monitoring Analytics	Not Applicable
Ed	Kovler	PJM Interconnection	Not Applicable
Edrissa	Cham	Savion, LLC	Not Applicable
Eliasjavier	Martes	PPL	Transmission Owner
Elizabeth	Gostkowski	PSEG	Transmission Owner
Eric	Osborn	EDF Trading North America, LLC	Other Supplier
Eric	Garland	RTR Energy Solutions LLC	Not Applicable
Eric	Yeh	BG&E	Transmission Owner

Ericka	Wylie-Chambers	Exelon Business Services Company, LLC	Transmission Owner
Erik	Heinle	Vistra	Generation Owner
Gary	Mason	First Energy	Transmission Owner
George	Fee	Appalachian Power Company (AEP Generation)	Transmission Owner
George	Kogut	NYPA	Not Applicable
Gina	Jardot	NRG Curtailment Solutions, Inc.	Other Supplier
Gizella	Mali	PJM Interconnection	Not Applicable
Greg	Poulos	PJM Interconnection	Not Applicable
Greg	Carmean	OPSI	Not Applicable
Guy	Filomena	Customized Energy Solutions, Ltd.	Not Applicable
Haibin	Sun	Exelon	Transmission Owner
Harrison	S Potter	Dominion Energy	Transmission Owner
Heather	Svenson	Public Service Electric and Gas Company	Transmission Owner
Heisey	Brad	Tenaska Power services Co	Generation Owner
Hiroaki	Ushijima	Elwood Energy, LLC	Generation Owner
Horst	Lehmann	PPL	Transmission Owner
Jacquelyn	Lojek	First Energy	Transmission Owner
Janell	Fabiano	PPL	Transmission Owner
Janessa	Kent	Duquesne Light Company	Transmission Owner
Jason	Quevada	PJM Interconnection	Not Applicable
Jason	Hitt	Duquesne Light Company	Transmission Owner
Jason	R Jones	PJM Interconnection	Not Applicable
Jason	Barker	Vitol Inc.	Generation Owner
Jason	Connell	PJM Interconnection	Not Applicable
Jeff	Stuchell	First Energy	Transmission Owner
Jelena	Grigorjeva	Atlantics Shore Wind	Not Applicable
Jennifer	Hohenshilt	Talen Energy Marketing, LLC	Generation Owner
Jeriotte	Ragsdale	PJM Interconnection	Not Applicable
Jim	Base	PJM Interconnection	Not Applicable
Jim	Davis	Dominion Energy	Transmission Owner
Joe	Kerecman	Calpine	Generation Owner
John	Sillin	Ferc	Not Applicable
john	dadourian	Monitoring Analytics	Not Applicable
John	Brodbeck	EDP Renewables	Not Applicable
Jon	Gordon	Advanced Energy United	Not Applicable
Jonathan	Sasser	Customized Energy Solutions, Ltd.	Not Applicable

Jonathan	Ortiz	PJM Interconnection	Not Applicable
Jordan	GRimes	Morgan Stanley	Not Applicable
Josh	Bruno	PJM Interconnection	Not Applicable
Juan	Bueno	First Energy	Transmission Owner
Juliet	Anderson	Constellation Energy Generation, LLC	Generation Owner
Juliet	Anderson	Constellation	Generation Owner
Kellen	Kinard	Savion, LLC	Not Applicable
Kenneth	Foladare	Geenex Solar LLC	Other Supplier
Kenneth	Seiler	PJM Interconnection	Not Applicable
Keri	Dorko	Monitoring Analytics	Not Applicable
Kevin	Kilgallen	Avangrid Renewables, LLC	Generation Owner
Kevin	Dion	PPL	Transmission Owner
Khan	Adnan	NextEra	Generation Owner
Khoury	Lawrence	PPL	Transmission Owner
Koushy	Nareshkumar	Potomac Electric Power Company	Electric Distributor
Kyle	Clifford	PJM Interconnection	Not Applicable
Kyle	Supinski	PPL	Transmission Owner
Laura	Yovanovich	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Laura	DiNicola	First Energy	Transmission Owner
Laurel	Klingensmith	First Energy	Transmission Owner
Lawrence	Hozempa	First Energy	Transmission Owner
Lee	Lehnert	Sparks -Glencoe	Not Applicable
Leo	Amoling	PJM Interconnection	Not Applicable
Leonid	Lyakhovich	Public Service Electric and Gas Company	Transmission Owner
Lynn	Horning	American Municipal Power, Inc.	Electric Distributor
Lynn	Marie Horning	AMP	Transmission Owner
Manuel	Esquivel	Enel North America	Other Supplier
Mark	Zelensky	PPL	Transmission Owner
Mason	Julie M	Duke Energy	Transmission Owner
Matt	LaRocque	PJM Interconnection	Not Applicable
Matthew	Bernstein	PJM Interconnection	Not Applicable
Matthew	Unger	SCC Virginia	Not Applicable
McClain	Fultz	PPL	Transmission Owner
Megan	McLaverty	PJM Interconnection	Not Applicable
Meagan	Kuchan	Dayton Power & Light Company (The)	Transmission Owner
Michael	Bryson	PJM Interconnection	Not Applicable

Michael	Robison	First Energy	Transmission Owner
Michele	Greening	PJM Interconnection	Not Applicable
Michelle	Antantis	Duquesne Light Company	Transmission Owner
Michelle	Souder	PJM Interconnection	Not Applicable
Mike	Handlin	PJM Interconnection	Not Applicable
Millie	Schwenk	Other	Not Applicable
Ming	Zhou	DXT Commodities North America Inc.	Other Supplier
Mohsen	Mahoor	Virginia Electric & Power Company	Transmission Owner
Mojtaba	Hoshmand	PJM Interconnection	Not Applicable
Mollie	Lacek	PJM Interconnection	Not Applicable
Molly	Mooney	PJM Interconnection	Not Applicable
Muhsin	Abdurrahman	Dynegy Marketing & Trade, LLC (DECAM)	Generation Owner
Nabeel	Aslam	Public Service Electric and Gas Company	Transmission Owner
Nathan A.	Lin	Virginia Electric & Power Company	Transmission Owner
Nick	Koehler	Appalachian Power Company (AEP Transmission)	Transmission Owner
nick	Schwager	Enerfin Renewables	Not Applicable
Niraj	Kshathriya	PJM Interconnection	Not Applicable
Patrick	Cobb	PJM Interconnection	Not Applicable
Patti	Hankins	Other	Not Applicable
Paul	Scherer	Exelon Business Services Company, LLC	Transmission Owner
Paul	Sotkiewicz	E-Cubed Policy Associates	Not Applicable
Phil	D'Antonio	PJM Interconnection	Not Applicable
Philip	Sussler	Maryland Office of People's Counsel	End- Use Customer
Praveen	Dhanasekar	Dominion Energy	Transmission Owner
Pulin	Shah	Exelon	Transmission Owner
Ramtin	Khalili	Virginia Electric & Power Company	Transmission Owner
Rebecca	Stadlmeyer	Gabel Associates	Other Supplier
Rehan	Gilani	RWE CLEAN ENERGY WHOLESAL SERVICES, INC.	Other Supplier
Rich	Napoli	Other	Not Applicable
rizki	del olmo	PJM Interconnection	Not Applicable
Rory	Sweeney	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Sam	Selick	Customized Energy Solutions, Ltd.	Not Applicable
Sam	Senanayake	PG Renewables	Not Applicable
Sarah	Yasutake	Jersey Green Energy LLC	Other Supplier
Sari	Fink	MAREC	Not Applicable
Scott	Hugh	Exelon Business Services Company, LLC	Transmission Owner

Scott	Jones	Indiana Office Of Utility Consumer Counsel	End- Use Customer
Shahab	Uddin	Old Dominion Electric Cooperative	Electric Distributor
Sharon	Midgley	Exelon Business Services Company, LLC	Transmission Owner
Sharon	Mayers	Clean Energy Future - Lordstown, LLC	Generation Owner
Sharon	Midgley	Exelon	Transmission Owner
Shaun	Murphy	Urban Grid Solar Projects, LLC	Other Supplier
Shawn	Hurd	First Energy	Transmission Owner
Soo	Kwon Ha	Dominion Energy	Transmission Owner
Srinath	Kamireddy	ConnectGEN LLC	Not Applicable
Stephen	Kelly	Brookfield Renewable Trading and Marketing LP (BSMH)	Other Supplier
Steve	Abate	Duquesne Light Company	Transmission Owner
Steve	Steinkuhl	Duke Energy Business Services LLC	Transmission Owner
Steven	Nadel	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Steven	Kirk	NextEra	Generation Owner
Stu	Bresler	PJM Interconnection	Not Applicable
Stu	Widom	PJM Interconnection	Not Applicable
Susan	McGill	PJM Interconnection	Not Applicable
Suzanne	Herel	PJM Interconnection	Not Applicable
Takis	Laios	Appalachian Power Company (AEP Transmission)	Transmission Owner
Terry	Gates	Appalachian Power Company (AEP Generation)	Transmission Owner
Thomas	Hoatson	West Deptford Energy, LLC	Generation Owner
Thomas	Leeming	Exelon Business Services Company, LLC	Transmission Owner
Thomas	Donahue	High Point	Not Applicable
Tom	Rutigliano	Natural Resources Defense Council	Not Applicable
Tom	Foster	PJM Interconnection	Not Applicable
Tom	Hyzinski	PJM Committee Voting Generic Account	Not Applicable
Tyler	Arkatin	PJM Interconnection	Not Applicable
Vince	DeGiusto	UGI	Transmission Owner
William	LaVista	RWE Clean Energy, LLC	Generation Owner
Wade	Richards	Apex Clean Energy	Not Applicable
William	Pezalla	ODEC	Transmission Owner
Yohannes	Mariam	Office of the People's Counsel for the District of Columbia	Not Applicable
Yuan	Du	Virginia Electric & Power Company	Transmission Owner
Zach	Farrar	Great Bay Renewables	Not Applicable
Zelalem	Tekle	Bath County Energy, LLC	Generation Owner
Zhangxin	Zhou	DXT Commodities North America Inc.	Other Supplier

Zhenyu

Fan

PJM Interconnection

Not Applicable

#### 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 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. Expectations for participating in PJM activities are further detailed in the [PJM Code of Conduct](#).

#### 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

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#### 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.*