

**Emerging Technologies Forum
Teleconference/WebEx Only
December 9, 2022
9:00 a.m. – 12:00 p.m. EPT**

Administration (9:00 - 9:10)

1. Chris Callaghan, facilitator, and Joseph Tutino, secretary, opened the meeting, reviewed the meeting/media participation guidelines, minutes from the last meeting, and reviewed the agenda.

External Topic Discussions (9:10 – 10:30)

2. Pilot Project Updates
 - a. Albert Phan, PEPCO, provided an update on the Elk Neck Virtual Power Plant pilot in Maryland.
 - b. Scott Baker, PJM, provided an update on PJM's efforts to investigate Advanced Power Flow Control technology.

3. HVDC Technologies

The Invenergy HVDC Team provided education on advanced voltage-sourced converter HVDC technology.

ETF Administrative Updates (10:30-11:00)

4. Scott Baker presented proposed redlines to the ETF charter.
5. Scott Baker presented proposed changes to the Emerging Technologies Forum in 2023.

Wrap up – Action Items and Future Agenda Topics (11:00 – 11:15)

6. The facilitation team reviewed action items from the meeting and took requests for future agenda items.

Future Meeting Dates and Materials			Materials Due to Secretary	Materials Published
Date	Time	Location		
March 16, 2023	9:00-12:00	WebEx	Mar 8, 2023	Mar 13, 2023
June 2, 2023	9:00-12:00	WebEx	May 25, 2023	May 30, 2023
Sep. 13, 2023	9:00-12:00	WebEx	Sep 5, 2023	Sep 8, 2023
Dec. 12, 2023	9:00-12:00	WebEx	Dec 4, 2023	Dec 7, 2023

Author: Joseph Tutino

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 PJM 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.

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.

<p>On the Phone, Dial</p>  <p>to Mute/Unmute</p>	<p>Linking Teleconference Connection to Webex</p> <p>When logging in to the meeting, access Webex first and select the "call me" feature to receive a direct call to your phone. Using this feature will connect your name to your Webex presence.</p>
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**Note: Anonymous users or those using false usernames or emails will be dropped from the teleconference.*

WebEx Meeting Attendance

Last Name	First Name	Company	Sector
Baker	Jeff	Duke Energy Ohio, Inc.	Transmission Owner
Baker	Scott	PJM Interconnection, LLC	None
Benckek	Jim	American Transmission Systems, Inc.	Transmission Owner
Bhana	Rajesh	Exelon Business Services Company, LLC	Transmission Owner
Bloch-Rubin	Ted	Smart Wires Inc.	None
Brodbeck	John	EDP Renewables North America, LLC	Generation Owner
Callaghan	Chris	PJM Interconnection, LLC	None
Chmielewski	Brian	PJM Interconnection, LLC	None
Christopher	Mahila	Public Utilities Commission of Ohio (The)	None
Corash	Richard (Rich)	PSEG Energy Resources & Trade LLC	Other Supplier
Curtis	Kenneth	Drilling Info, Inc.	None
Davis	James (Jim)	Dominion Energy Generation Marketing, Inc.	Generation Owner
Downs	Jere	PJM Interconnection, LLC	None

Eaton	John	MCG Energy Solutions	None
Elkins	Rachel	FirstEnergy Corporation	Transmission Owner
Fabiano	Janell	PJM Interconnection, LLC	None
Fan	Zhenyu	PJM Interconnection, LLC	None
Filomena	Guy	Customized Energy Solutions, Ltd.*	None
Fink	Regan	Pine Gate Mid-Atlantic, LLC	Other Supplier
Foladare	Kenneth (Ken)	Geenex Solar LLC	Other Supplier
Ford	Adrien	Old Dominion Electric Cooperative	Electric Distributor
Grindeland	Josh	Pine Gate Mid-Atlantic, LLC	Other Supplier
Gupta	Shalini	Invenergy, LLC	Generation Owner
Guzejko	Brian	PECO Energy Company	Transmission Owner
Hayem	Juan	Invenergy, LLC	Generation Owner
Hoatson	Thomas (Tom)	Riverside Generating, LLC	Generation Owner
Hohenshilt	Jennifer	Talen Energy Marketing, LLC	Generation Owner
Horger	Tim	PJM Interconnection, LLC	None
Hsia	Eric	PJM Interconnection, LLC	None
Hyzinski	Tom	GT Power Group	None
Janicki	Diane	Boston Energy Trading & Marketing, LLC	Other Supplier
Johnston	David	Indiana Utility Regulatory Commission	None
Kazerooni	Hamid	PJM Interconnection, LLC	None
Kell	Dan	Hatch	None
Kelly	Stephen	Brookfield Energy Marketing LP	Other Supplier
Kogut	George	New York Power Authority	Other Supplier
Laios	Takis	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Lejcar	Jamie	Allegheny Electric Cooperative, Inc.	Electric Distributor
Luckey	Nicole	Invenergy, LLC	Generation Owner
Mabry	David	McNees Wallace & Nurick LLC	None
Mangonon	Roleto	Rockland Electric Company	Transmission Owner
Mariam	Yohannes	Office of the Peoples Counsel for the District of Columbia	End-Use Customer
Mason	Julie	Duke Energy Ohio, Inc.	Transmission Owner
Mason	Gary	FirstEnergy Corporation	Transmission Owner
Mesa	Santiago	Smart Wires, Inc.	None
Nareshkumar	Koushy	Potomac Electric Power Company	Electric Distributor
Neubrandner	Kerry	DC Energy Mid-Atlantic, LLC	Other Supplier
Ng	Perry	PJM Interconnection, LLC	None
Pezon	Ron	Borough of Chambersburg	Electric Distributor
Phan	Albert	Exelon Business Services Company, LLC	Transmission Owner
Rodriguez	Carlos	Grand Ridge Energy LLC	Generation Owner
Roettker	Joe	Duke Energy Business Services LLC	Transmission Owner
Sasser	Jonathan	Customized Energy Solutions, Ltd.*	None
Schmitt	David	New Jersey Board of Public Utilities	None
Schuyler	Ken	PJM Interconnection, LLC	None
Stanfill	Susan	Pine Gate Mid-Atlantic, LLC	Other Supplier
Stolz	Chris	Pine Gate Mid-Atlantic, LLC	Other Supplier
Stupar	Rob	Invenergy, LLC	Generation Owner
Swalwell	Bradley (Brad)	Tangent Energy Solutions, Inc.	Other Supplier



Taylor	Robert	Exelon Business Services Company, LLC	Transmission Owner
Thundiyil	Kevin	None	None
Toth	Sarah	RMI	None
Tutino	Joseph	PJM Interconnection, LLC	None
Unger	Matthew	Virginia State Corporation Commission	None
Watts	Shane	PJM Interconnection, LLC	None
Wilches	Rafael	Public Service Electric & Gas Company	Transmission Owner

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