

**Joint System Operations Subcommittee – Generation and Transmission**  
**WebEx Only**  
**December 2<sup>nd</sup>, 2022**  
**9:00 a.m. EPT**

<b>Last Name</b>	<b>First Name</b>	<b>Company</b>
Abramowitz	Jeremy	Monitoring Analytics, LLC
Adare	Kendal	Silver Run Electric, LLC
Baptiste	Maria	PJM Interconnection, LLC
Benchek	Jim	American Transmission Systems, Inc.
Bennett	Daniel (Dan)	PJM Interconnection, LLC
Berger	Keith	FirstEnergy Corporation
Bielak	Donnie	PJM Interconnection, LLC
Brodbeck	John	EDP Renewables North America, LLC
Bryson	Michael (Mike)	PJM Interconnection, LLC
Buonomo	Steven	PPL Electric Utilities Corp. dba PPL Utilities
Callis	Joe	PJM Interconnection, LLC
Cichowski	Thomas	Duquesne Light Company
Circelli	Roseanne	Public Service Electric & Gas Company
Cosby	Sarah	Dominion Virginia Power
Davis	Elizabeth (Becky)	PJM Interconnection, LLC
De Salvo	Russell	Commonwealth Edison Company
Dugan	Chuck	East Kentucky Power Cooperative, Inc.
Egner	Benjamin (Ben)	Public Service Electric & Gas Company
Fan	Zhenyu	PJM Interconnection, LLC
Frogg	Darrell	PJM Interconnection, LLC
Gagen	Rod	Dominion Virginia Power
Giordano	Jennifer	FirstEnergy Corporation
Guntle	Vince	American PowerNet Management
Hartman	Frank	PJM Interconnection, LLC
Hatch	Kevin	PJM Interconnection, LLC
Himmelspach	Treasa	AEP Appalachian Transmission Company, Inc.
Hoang	Liem	PJM Interconnection, LLC
Hoatson	Thomas (Tom)	Riverside Generating, LLC
Hoke	Michael	PJM Interconnection, LLC
Horstmann	John	Dayton Power & Light Company (The)
Janicki	Diane	Boston Energy Trading & Marketing, LLC
Johnston	Todd	AEP Appalachian Transmission Company, Inc.
Kimmel	David	PJM Interconnection, LLC
Lauer	Chris	UGI Utilities, Inc.
Lee	Ray	PJM Interconnection, LLC
Mabry	David	McNees Wallace & Nurick LLC
Mali	Gizella	PJM Interconnection, LLC
McGlynn	Paul	PJM Interconnection, LLC
Mohler	Tina	PJM Interconnection, LLC

Ofoegbu	Chidiogo	PJM Interconnection, LLC
O'Leary	Christopher (Chris)	PSEG Energy Resources & Trade LLC
Owens	Ernest	ITC Mid-Atlantic Development LLC
Pilong	Christopher	PJM Interconnection, LLC
Porter	Donald	Virginia Electric & Power Company
Sells	Scott	East Kentucky Power Cooperative, Inc.
Shaffer	Christopher (Chris)	AEP Appalachian Transmission Company, Inc.
Sloan	Ben	Organization of PJM States, Inc. (OPSI)
Stemetzki	Michael	PJM Interconnection, LLC
Stevens	Chris	AEP Appalachian Transmission Company, Inc.
Sturgeon	John	Duke Energy Carolinas, LLC
Wehnes	Kathleen	Maryland Public Service Commission
Wharton	Matthew	PJM Interconnection, LLC
Williams	Greg	East Kentucky Power Cooperative, Inc.

## Administration (9:00-9:10)

1. The Agenda for this meeting was approved without comment.
2. The draft minutes from the October 28<sup>th</sup>, 2022 SOS Joint Meeting was approved without comment.
3. Matthew Wharton performed the second read and the SOS-J endorsed the SOS Charter as presented by acclimation.

## Security Update (9:10-9:15)

4. Joe Callis provided a Security Update – Phishing is still a main threat vector especially around the holidays. There has been some physical security events posted on the EISAC. Trends continue around international cyber-attacks, supply chain guidance from CISA & ODNI, and a Hydro-Quebec employee was arrested and charged with spying for PRC.

## Review of Operations (9:15-9:20)

5. Donnie Bielak reviewed an update of System Operations in November. PJM and its members experienced 3 Shared Reserve Events, 12 PCLLRW Events, and 3 Synchronized Reserve events. PJM performed a successful emergency procedures drill on November 3. There was a small plane crash in the PEPCO area that was a localized event.

## Tools (9:20-9:25)

6. Maria Baptiste provided an update on eDART. The The eDART Refresh will start in Q1 2023. The eDART browserless refresh completed in eDART Train and Production. Future release will include eDART migration to Account Manager and PKI certificates will be required for all browserless communications. December 14-15 2022 an eDART release will be performed for enhancements to Tariff Data functionality to support bulk updates and annual review. Future eDART releases in 2023 will address tag removal from TERM ticket downloads, tag removal from Transmission Ticket Downloads,

Browserless interface for Nuclear Voltage Limits, and enhancements to TERM application in response to FERC order 881.

## Dispatcher Training Subcommittee Items (9:25-9:30)

7. Michael Hoke provided an update on items discussed during the last DTS meeting
  - a. The draft training plan for 2023 is posted at
  - b. Annual review of training topics for Transmission Owner Operators was completed
  - c. PJM Transmission and Generation Exams were republished in November with an increase in the Transmission Exam from 65 to 67.
  - d. The Exam Working Group participants – PJM Generation and Transmission
  - e. Reach out as soon as possible to State and Member Training with any concerns with certificates expiring soon.

## Regional Standards, NAESB, and Compliance Update (9:30-9:35)

8. Becky Davis provided an update on standards and compliance.
  - a. Project 2021-05 Modifications to PRC-023 – The standard drafting team is asking to remove R2 to avoid inadvertent trips.
  - b. Project 2021-06 Modifications to IRO-010 and TOP-003 to simplify administrative burdens.
  - c. Project 2021-02 Modifications to VAR-002 to address ambiguities of voltage and reactive resource requirements.
  - d. Project 2020-06 – Second draft of verification of models and data for generators to include verification and EMT models.
  - e. NERC requested comments by January 2, 2023 for Draft Reliability Guidelines.

## Manual Updates (9:25-9:30)

9. Liem Hoang performed a first read on changes associated Manual 38 Rev 16.
  - a. The changes include a bullet for Transmission Owners conducting a Day Ahead analysis should compare results with PJM RC Day Ahead report, an update to the OATF assumptions, and an update to the time PJM Transmission Log should submit to the Day-Ahead Market Operator.

## Cold Weather Advisory Process & Drill (9:30-9:40)

10. Dan Bennett provided education on the Cold Weather Advisory Process.

## Synchronized Events Performance Review (9:40-9:55)

11. David Kimmel performed a review of the Synchronized Reserves after the implementation of the Reserve Price Formation. A Reserve Price Formation recap was provide for an event that occurred on October 29, 2022 starting at 02:12:11 due to the loss of a large unit.

## NERC Lessons Learned (9:55-10:00)

12. Kevin Hatch reviewed a NERC Lesson Learned around preventing unwanted operations during relay diagnostic restarts.

## Future Meeting Dates

TBD

TBD

WebEx

Author: Matthew Wharton

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