

# Agenda

## Eleventh Annual Monitoring and Situational Awareness Technical Conference

Theme: The Ever-Changing Landscape of the Energy Management System

October 3, 2023 | 9:00 a.m. – 5:00 p.m. Mountain  
October 4, 2023 | 9:00 a.m. – 12:00 p.m. Mountain

WECC  
155 North 400 West, Suite 200  
Salt Lake City, Utah 84103

### Tuesday, October 3, 2023

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**08:00 – 09:00** Breakfast

**09:00 – 09:10** Welcome and Introduction

- Phil Hoffer, *Chair of NERC EMS Working Group*

**09:10 – 09:30** Keynote Presentation

- Branden Sudduth, *Vice President of Reliability Planning and Performance Analysis, WECC*

**09:30 – 10:00** Analysis of EMS Event Outages

- Wei Qiu, *NERC*

**10:00 – 10:30** Break/Networking

**10:30 – 11:20** Situation Awareness for FERC, NERC, and the Regions (SAFNR)

- Tony Tatum, *NERC*
- Mike Legatt, *Resilient Grid*

**11:20 – 12:00** FERC Order 881 and FAC-011 Implementation at Manitoba Hydro

- Kristy Prystay and Brent Schellenberg, *Manitoba Hydro*

**12:00 – 13:00** Lunch

**13:00 – 13:40** PJM EMS Upgrade and Cutover Practice

- Jeffrey Tiemann and Adamy Garcia, *PJM*

**13:40 – 14:20** Quality Control of Settings & Cutover Processes in SPP EMS Upgrade

- Tim Miller, *SPP*

**14:20 – 14:50** Break/Networking

**14:50 – 15:30** Architecting for Cloud Integration and Migration

- Joe Brennan, *MISO*

**15:30 – 16:10 Digital Twin's Role in the Control Room of the Future**

- Seong Lok Choi, *NREL*

**16:10 – 16:50 Latest Neuroscience Developments on Situational Awareness**

- Mike Legatt, *Resilient Grid*

**16:50 – 17:00 Session Summary**

- Matt Lewis, *Manager of NERC Event Analysis*

**Wednesday, October 4, 2023**

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**08:00 – 09:00 Breakfast**

**09:00 – 09:25 Lessons Learned: Abnormal Area Control Error due to a Model Translation Error**

- Dwayne Fewless, *ReliabilityFirst*

**09:25 – 09:50 Lessons Learned: Loss of Monitoring due to a Half Failed High Availability Switch Pair**

- Robert Melis, *RC West/CAISO*

**09:50 – 10:15 Lessons Learned: TVA Primary System Operation Center Loss of Power Event**

- Dusty Wright, *TVA*

**10:15 – 10:30 Break/Networking**

**10:30 – 11:55 Vendor Discussion Panel**

- Dwayne Fewless, *ReliabilityFirst – Moderator* | Manu Parashar, *GE* | AJ Singh, *Hitachi Energy* | Xin Jiang, *OSI* | Jason Lindquist, *Siemens*

Major EMS vendors (GE, Hitachi Energy, OSI, and Siemens) will participate in the panel and share their thoughts and opinions on situational awareness, security, and communications.

**11:55 – 12:00 Session Summary Wrap-up**

- Matt Lewis, *Manager of NERC Event Analysis*