

Meeting [link](#), Password: WECC | Dial-in Number: 1-415-655-0003, Attendee Access Code: 2630 248 2706

Day 1—September 11, 2024, 2:00 to 5:00 p.m. Mountain Time

- 1. Welcome, Call to Order—Song Wang**
- 2. Review WECC Antitrust Policy—Doug Tucker**
[WECC Antitrust Policy](#).
Please contact WECC legal counsel if you have any questions.
- 3. Approve Agenda**
- 4. Review and Approve Previous Meeting Minutes**
Approval Item: Meeting Minutes from May 22, 2024
- 5. Review Previous Action Items—Doug Tucker**
- 6. Review Approved Dynamic Model List—Doug Tucker, WECC**
- 7. Review MVS Member List and Update—Doug Tucker, WECC**
- 8. Addressing Bus Flow Challenges in Substations: Findings and Recommendations for WECC Members—Jameson Thornton, Burns & McDonnell**
- 9. Prioritizing the Next Set of Model Development**
 - VHVDC2
 - IBR Controls— REEC_E
 - Grid-forming Inverter Model – Hybrid
 - EV Charging Model/Data Center
 - VHVDC3 – Off-shore Wind
 - Advanced Pump Storage Model
 - SVSMO4 Model
 - SCMOV (series capacitor MOV model)
 - Multi-terminal VSC-HVDC

MVS Meeting Agenda—September 11-13, 2024

- Electrolyzer model

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Day 2—September 12, 2024

9:00 a.m. to 12:00 p.m.

10. Renewable Energy Modeling

- Updates on IBR Model Development— Pouyan Pourbeik, PEACE
- Preliminary Model Specification of a Grid-Forming and Grid-Following Hybrid IBR Model— Wei Du, PNNL; Sai Gopal Vennelaganti, Tesla; Deepak Ramasubramanian, EPRI
- Clarification of the Applicability of the Generic Models, User-defined Model, and EMT Model— Songzhe Zhu, Qualus; Song Wang, PGE
 - WECC Document Development Plan
 - Specification of User-defined Model Requirement
- Update Modeling Documents to Incorporate the Recent Progress— Songzhe Zhu, Qualus
- Utility and System Operator Case Studies to Identify Value Proposition of GFM Inverters – Deepak Ramasubramanian, EPRI
- Discussion on Benchmark Model Data Sets— Dmitry Kosterev, BPA; Eric Heredia, BPA
- Off-shore Wind Model Development Discussion— All

Break

Resume

2:00 to 5:00 p.m.

11. Load Modeling

- PSLF Modular Model Validation— Nick Hatton, WECC
 - Finalize the official switch to the Modular Model— All Discussion
- PJM System Stability Assessment Using Composite Load and Distributed Energy Resource Models— Boyuan Xie, Xiaokang Xu, and Byoungkon Choi, S&C
- Modeling of Electronic Loads for Planning Studies— Lakshmi Sundaresh
- Load Modeling Work Plan— Andreas Schmitt, Song Wang
 - Transition the Load Model to a Modular-based Structure
 - Parameter Calibration



MVS Meeting Agenda—September 11-13, 2024

- Testing/Verification: Including Equipment Testing and Model Performance Verification Based on System Events or Other Methods
- WECC Load Model Composition Data
- System-wide Simulation
- EV and Data Center Control and Protection
- Support NERC Emerging Load Plans

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Day 3—September 13, 2024

9:00 a.m. to 12:00 p.m.

12. Active Transmission System Modeling Update

- Overview of Active Transmission System Modeling—Pouyan Pourbeik, PEACE
 - vhvdc2
 - vhvdc3
 - svsmo4

13. Power Plant Modeling

- Kis and Synchronous Machine On-load Field Current—Quincy Wang, BC Hydro
- Excitation System Type C model—All
- APSH Specification Development Updates—Jin Tan, NERL

14. MOD-33 Update

- RC West update—Licheng Jin, CAISO
- SPP update—Doug Tucker, WECC

15. Program Updates

- PSLF program updates—Mengxi Chen, GE
- PSSE program updates—Jay Senthil, PTI
- PowerWorld program updates—Jamie Weber, PowerWorld
- Powertech Labs TSAT Program Updates—Jeff Bloemink, Powertech Labs

16. Public Comment

17. Review of New Action Items



MVS Meeting Agenda—September 11-13, 2024

18. Review Upcoming Meetings

January 2025 Virtual

May 2025 Salt Lake City, Utah

September 2025 Virtual

19. Adjourn

