

Meeting [link](#), Password: WECC | Dial-in Number: 1-415-655-0003, Attendee Access Code: 2868 753 4698

Day 1—May 7, 2025, 2:00 to 5:00 p.m. Mountain Time
Tesla Conference Room

1. Welcome, Call to Order—Song Wang

2. Review WECC Antitrust Policy—Doug Tucker

The WECC Antitrust Policy can be found on wecc.org.

Please contact WECC legal counsel if you have any questions.

3. Approve Agenda

Break

4. Review and Approve Previous Meeting Minutes

Approval Item: Meeting Minutes from January 29-31, 2025

5. Review Previous Action Items—Maya Brimhall

6. Review Unapproved Dynamic Model List 26HW3—Doug Tucker, WECC

7. MOD-33 Update

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

8. SCMOV Model—Jamie Weber, PowerWorld; Ramin Vakili, GEV

Approval Item: SCMOV model

9. Generic Model Naming Discussion—Song Wang, PGE, and All

10. Discussion: Observations and Considerations Related to WECC Criterion TPL-001-WECC-CRT-4—Song Wang, PGE

11. Prioritizing the Next Set of Model Development

- Series Capacitor MOV Model (SCMOV)

MVS Meeting Agenda—May 7-9, 2025

- VHVDC2
- IBR Controls—REEC_E
- Grid-forming Inverter Model—Hybrid
- Large Load
 - EV Charging Model
 - Data Center
 - Electrolyzer model
- VHVDC3—Offshore Wind
- Advanced Pump Storage Model
- SVSMO4 Model
- Multi-terminal VSC-HVDC

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Day 2—May 8, 2025

9:00 a.m. to 5:00 p.m.

12. Renewable Energy Modeling

- Grid-Forming Hybrid Inverter Control Model development update—Wei Du, PNNL
- IBR Model and Validation Guideline—Songzhe, Qualus
- Addressing Renewable Energy Interconnection Requests and Grid-forming Requirements—Eric Heredia, BPA; Song Wang, PGE
- Updates on IBR model development—Pouyan Pourbeik, PEACE
- Follow-up on Enhancements and Regional Adaptations to Generic WECC Models: Insights from Energinet and Global Applications—Pouyan Pourbeik, PEACE, All

13. Active Transmission System Modeling Update

- Overview of active transmission system modeling—Pouyan Pourbeik, PEACE
 - vhvdc2
 - vhvdc3
 - svsmo4

Approval Item: VHVDC3 model specification

- Introduce Standard Library HVDC and MTDC model development plan—Wei Du, PNNL



14. Load Modeling

- PSLF Modular Model Validation—Nick Hatton, WECC
 - Finalize the official switch to the Modular Model—All discussion
- Data Center modeling discussion—Hasala Dharmawardena, NERC
- Regional Sensitivities to Motor D Component Stalling in Load Models—Jackson Daly, IPC
- Dynamic Behavior of the 3-Phase Motor Segment in Composite Load Modeling—Malati Chaudhary, PNM
- Load modeling work plan—Andreas Schmitt, BPA; Song Wang, PGE
 - Transition the load model to a modular-based structure
 - Parameter calibration
 - 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—May 9, 2025

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

15. Generation Modeling Validation Workshop

- Overview of Procedure for Generating Modeling Parameters
 - Review of the NERC model validation guideline
 - Field testing and study procedures
 - Common challenges and mitigation strategies
- A hands-on introduction to a parameter validation tool
 - Purpose and capabilities of the tool



MVS Meeting Agenda—May 7-9, 2025

- Live demonstration of Key functionalities
- Transmission Planner’s Role in Model Verification and Usability Assessment
 - Procedure for reviewing model documentation and results
 - Criteria for determining model usability in planning studies
 - Interface between generator owners and planning entities

16. Power Plant Modeling

- APSH Specification Development updates—Jin Tan and Ningchao Gao, NERL; Zerui Dong, OPAL-RT

17. 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

18. Public Comment

19. Review New Action Items

20. Review Upcoming Meetings

September 10–12, 2025 Virtual

21. Adjourn

