Meeting [link](https://wecc.webex.com/wecc/j.php?MTID=m0041e957d675403b7dc4741928c12a7c) , Password: WECC | Dial-in Number: 1-415-655-0003, Attendee Access Code: 2632 010 9186

# Day 1—January 29, 2024, 2:00 to 5:00 p.m. Mountain Time

## Welcome, Call to Order—Song Wang

## Review WECC Antitrust Policy—Doug Tucker

See the WECC Antitrust Policy on wecc.org.

Please contact WECC legal counsel if you have any questions.

## Approve Agenda

## Review and Approve Previous Meeting Minutes

Approval Item: Meeting Minutes from September 11**–**13, 2024

## Review Previous Action Items—Doug Tucker

## Review Unapproved Dynamic Model List—Doug Tucker, WECC

## Review MVS Member List and Update—Doug Tucker, WECC

## Recap of the Applicability of the Generic Models, User-defined Model, and EMT Model—Song Wang, PGE

## Discussion for Utilities on EMT/Positive Sequence Model Study Selection Criteria—Songzhe Zhu, All

## Prioritizing the Next Set of Model Development

* SCMOV (series capacitor MOV model)
* 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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Meeting [link](https://wecc.webex.com/wbxmjs/joinservice/sites/wecc/meeting/download/fe7402b680e54eeba3f53253996253e2?siteurl=wecc&MTID=mb9280f8bf3c52ea70e03bf345644e938), Password: WECC | Dial-in Number: 1-415-655-0003, Attendee Access Code: 2636 948 4317

# Day 2—January 30, 2024

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

## Renewable Energy Modeling

* Model Specification of a Grid-Forming Hybrid Inverter Control Model—Wei Du, PNNL

*Approval Item: Model Specification of a Grid-Forming Hybrid Inverter Control Model*

* IBR model and validation guideline—Songzhe Zhu, Qualus Corporation
* Addressing Renewable Energy Interconnection Requests and Grid-forming Requirements—Eric Heredia, BPA; Song Wang, PGE
* Grid Forming Inverter model system study—Song Wang, PGE
* Updates on IBR model development—Pouyan Pourbeik, PEACE
* Discussion on Enhancements and Regional Adaptations to Generic WECC Models: Insights from Energinet and Global Applications—Pouyan Pourbeik, PEACE, All
* Offshore wind model development discussion—All

# Break

# Resume

2:00 to 5:00 p.m.

## Active Transmission System Modeling Update

* Overview of active transmission system modeling—Pouyan Pourbeik, PEACE
  + vhvdc2
  + vhvdc3
  + svsmo4
* Implementation of the VHVDC2 model—Jay Senthil, PTI
* Introduce Standard Library HVDC and MTDC model development plan for offshore wind integration—Wei Du, PNNL

## Load Modeling

* PSLF Modular Model Validation—Nick Hatton, WECC
  + Finalize the official switch to the Modular Model—All Discussion
* Parameter identification for WECC CLM—Meng Yue, BNL
* 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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Meeting [link](https://wecc.webex.com/wbxmjs/joinservice/sites/wecc/meeting/download/d864db0658c84ba5b58b5831aaefb164?siteurl=wecc&MTID=mc9ea3bc8ddba93db613887f83fd51f82), Password: WECC | Dial-in Number: 1-415-655-0003, Attendee Access Code: 2637 792 7228

# Day 3—January 31, 2025

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

## Power Plant Modeling

* APSH Specification Development updates—Jin Tan and Ningchao Gao, NERL; Zerui Dong, OPAL-RT
* Analysis of Implementation Errors in Synchronous Generator Saturation Functions Across Software Platforms—Quincy Wang
* Comparison of GENROU version GENQEC Models for a Round Rotor Machine—Wayne Cassidy and Dan Leonard, Peregrine Engineering Consulting
* Discussion of Saturation Factors and their Impact on Field Current Accuracy—Quincy Wang, All
* Excitation system Type C model—All

## MOD-33 Update

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

## 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

## Public Comment

## Review of New Action Items

## Review Upcoming Meetings

May 7-9, 2025 Salt Lake City, Utah

September 10-12, 2025 Virtual

## Adjourn