Webinar [link](https://wecc.webex.com/wbxmjs/joinservice/sites/wecc/meeting/download/935ad8c4985d479389b9dc6872701c3f?siteurl=wecc&MTID=mcdda0066fbb62673e3fc02028614306a), Password: WECC | Dial-in Number: 1-415-655-0003, Attendee Access Code: 2451-189-5432

# Day 1—February 1, 2023, 1:00 to 5:00 p.m. Mountain Time

## Welcome, Call to Order—Song Wang

## Review WECC Antitrust Policy—Doug Tucker

[WECC Antitrust Policy](https://www.wecc.biz/_layouts/15/WopiFrame.aspx?sourcedoc=/Corporate/Antitrust%20Policy.pdf&action=default&DefaultItemOpen=1).

Please contact WECC legal counsel if you have any questions.

## Approve Agenda

## Review and Approve Previous Meeting Minutes

*Approval Item: Meeting Minutes from September 21-23, 2022*

## Review of Previous Action Items—Maddy Eberhard

## Approve MVS Charter

*Approval Item: MVS Charter*

## Review Approved Dynamic Model List

Unapproved model list in the WECC Master Dynamic File—Doug Tucker, WECC

## Discuss In-person Meetings—All

## Power Plant Modeling

* Roadmap of Power Plant Modeling—Quincy Wang, BC Hydro
* Experience with GENQEC model—Pouyan Pourbeik, PEACE
* Generator Saturation & Kis—Quincy Wang, BC Hydro
* Advance Pumped Storage Hydro model discussion—Jin Tan, NREL

# Day 2—February 2, 2023, 8:30 a.m. to 12:00 p.m. Mountain Time

Webinar [link](https://wecc.webex.com/wbxmjs/joinservice/sites/wecc/meeting/download/c1252ae17f994d1b9bdd2b34052cdf21?siteurl=wecc&MTID=m5ede6f4d5a1b397ee32c6d8344b2ef37), Password: WECC | Dial-in Number: 1-415-655-0003, Attendee Access Code: 2455 382 2302

## Renewable Energy Modeling

* Roadmap of Renewable Energy Modeling—Songzhe Zhu, GridBright
* Updates on Generic Grid-Forming Inverter Model Development—Wei Du, PNNL; Deepak Ramasubramanian, EPRI
* Combined droop based GFM model — Deepak Ramasubramanian, EPRI
* Final Update on the latest RES Models—Pouyan Pourbeik, PEACE
* REGC\_C model—Pouyan Pourbeik, PEACE

*Approval Item: REGC\_C Model*

* Prioritizing the next set of Model Development
  + Grid-Forming Inverter model
  + REEC\_E model
  + REPC\_D (hybrid plant controller)
  + Multi-Terminal HVD VSC model
  + SVSMO4 model
  + SCMOV (series capacitor MOV model)
* New plant and electrical control modules—Pouyan Pourbeik, PEACE

## Active Transmission System Modeling Update

* Overview of Active Transmission System Modeling—Pouyan Pourbeik, PEACE
* Update on multi-terminal VSC-HVDC model—Victor Rojas, PTEI
* Update on Transbay HVDC line model—Raul Perez, NextEra
* Group summary of activities—Pouyan Pourbeik and all
  + SVSMO4
  + IPP DC line
  + Transbay DC line

# Day 2—February 2, 2023, 1:00 p.m. to 5:00 p.m. Mountain Time

## Load Modeling

* Roadmap of Load Modeling—Bo Gong, SRP
* Testing and Modeling Heat Pumps—Bernie Lesieutre, University of Wisconsin Madison
* Transient Voltage Response Criteria—Kannan Sreenivasachar, ISO-NE
* BPA load modeling experience—Tony Faris, BPA
* EPRI load parameterization tool—Parag Mitra
* DER\_B: specifying a fraction of the distributed energy resource that responds to a frequency droop signal – Jamie Weber, Powerworld
* Current WECC Load Model Data—Nick Hatton, WECC

# Day 3—February 3, 2023, 8:30 a.m. to 12:00 p.m. Mountain Time

Webinar [link](https://wecc.webex.com/wbxmjs/joinservice/sites/wecc/meeting/download/7ff424184c124e55a8658c8c1f8df82e?siteurl=wecc&MTID=md5c1d96689d7b2cc5afbe4cf65c433fd), Password: WECC | Dial-in Number: 1-415-655-0003, Attendee Access Code: 2459 598 1717

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

## Dynamic Model for HVDC Pacific Transmission Expansion Project—Steve Metague, CWG; Garth Irwin, Electranix

## Update on DOE National Transmission Study—Hamody Hindi, DOE

## Coupling Water Data with Electrical Model – Slaven Kincic, PNNL

## Follow-up CHVDC2 Model in Base Case Discussion—Nick Hatton, WECC; Sergey Pustovit, BPA

## MOD-33 Update

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

## Program Updates

* PSLF—Juan Sanchez-Gasca, GE
* PSSE—Jay Senthil, PTI
* PowerWorld—Jamie Weber, PowerWorld
* Powertech Labs TSAT—Jeff Bloemink, Powertech Labs

## Public Comment

## Review of New Action Items

## Review Upcoming Meetings

May 23–25, 2023…….…………………………………………………. Salt Lake City, Utah\*

September 26–28, 2023…………………………………………………. Salt Lake City, Utah

*\*May be offsite*

## Adjourn