Webinar link, Password: WECC | Dial-in Number: 1-415-655-0003, Attendee Access Code: 2451-189-5432

# Day 1—September 21, 2022, 1:00 p.m. to 5:00 p.m. (Mountain Time)

## Welcome, Call to Order, Introductions—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

## Review of Previous Action Items—Doug Tucker

## Review Approved Dynamic Model List

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

## Power Plant Modeling

* Roadmap of Power Plant Modeling—Quincy Wang, BC Hydro
* Generator saturation function – Philip Cui, BC Hydro & Michael Xia, Powertech Labs
* GENQEC Application – Eric See-Toh & Michael Xia, Powertech Labs
* Power System Stabilizer tuning techniques – Lin Zhu, EPRI
* Power System Stabilizer field gain tuning – Quincy Wang, BC Hydro
* Hydro Turbine-Governor Model discussion— Kwami Sedzro, NREL
* GENOPZ model – John Undrill, Consultant

# Day 2—September 22, 2022, 8:30 a.m. to 12:00 p.m. (Mountain Time)

## Load Modeling

* Roadmap of Load Modeling – Bo Gong, SRP
* Extra VAR Tripping Implementation Discussion—Christopher Gilden, Tri-State, and software vendors
* Behind the meter data development – Katy Waechter, NREL
* WECC load modeling development for base cases – Nick Hatton
* PSS/E modular based load model implementation updates – Jay Senthil, Siemens PTI
* NERC LMWG activity updates – Kannan Sreenivasachar, ISO-NE
* Data center modeling for Transmission Planning Studies – Parag Mitra, EPRI

# Day 2—September 22, 2022, 1:00 p.m. to 5:00 p.m. (Mountain Time)

## Renewable Energy Modeling

* Roadmap of Renewable Energy Modeling—Songzhe Zhu, GridBright
* Updates on 2nd Generation RES Model (REGC\_C) – Pouyan Pourbeik, PEACE
* New plant and electrical control modules – Pouyan Pourbeik, PEACE
* IBR frequency response of grid forming vs grid following – Dmitry Kosterev, BPA
* Updates on the Droop-based Grid-Forming Inverter Model Specification – Wei Du, PNNL
* Multi-loop GFM model specification – Deepak Ramasubramanian, EPRI
* Wind plant model and model validation – a DOE’s perspective – Jian Fu, DOE

## Active Transmission System Modeling Update

* Overview of Active Transmission System Modeling—Pouyan Pourbeik, PEACE
* Group summary of activities — Pouyan Pourbeik and all
  + SVSMO4
  + IPP DC line
  + Transbay DC line
* Developing guidelines for modeling off-shore wind plant – Rajat Majumder, Orsted
* SVSMO4 model discussion—Pouyan Pourbeik, PEACE
* On-going work for Multi-Terminal VSC-HVDC — Walter Mariscal, Power-Tech Engineers

# Day 3—September 23, 2022, 8:30 a.m. to 12:00 p.m. (Mountain Time)

## Review MVS member list and update – Doug Tucker, WECC

## CHVDC2 model in basecase discussion – Nick Hatton, WECC

## MOD-33 Update

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

## Development of a Short-Circuit model discussion – Amos Ang, SCE

## Forced oscillations: Grid vulnerability analysis, source location, and mitigation – Lin Zhu, EPRI

## GridPACK-Wind: High-Performance Modeling and Simulation for Wind Integration – Shriang Abhyankar, PNNL

## Program Updates

* PSLF program updates—Juan Sanchez-Gasca, 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

January xx-xx, 2023……………………………………………………. Salt Lake City

May xx-xx, 2023……..…………………………………………………. Salt Lake City

September xx-xx, 2023…………………………………………………. Salt Lake City

## Adjourn