

Webinar [link](#), Password: WECC | Dial-in Number: 1-415-655-0003, Attendee Access Code: 2469 521 7919

October 13, 2021, 9:00 a.m. to 1:00 p.m. MDT

Description:

High levels of Inverter-Based Resources (IBR), e.g., wind, solar, batteries, can create challenges and advantages for power system stability. Join WECC and the Energy Systems Integration Group (ESIG) in a virtual workshop to explore mitigation options with a focus on grid-forming inverter technology. The workshop will start at a high-level, then discuss the details of weak grids, export stability, zero inertia, and IBR considerations. This grid-forming inverter-based resources workshop is meant to be accessible to a broad audience. This is an opportunity for discussing, asking questions, and sharing information. ESIG is a nonprofit educational organization that provides a forum for the industry to address technical challenges in grid transformation.

- 1. Welcome, Call to Order—Travis English**
- 2. Review WECC Antitrust Policy—Travis English**

[WECC Antitrust Policy](#)

Please contact WECC legal counsel if you have any questions.

- 3. Introduction to Workshop**
 - Steve Ashbaker, WECC—Reliability Initiatives Director
 - Dr. Debbie Lew, ESIG—Associate Director
- 4. Advantages and Challenges of High Penetrations of IBR and Introduction to Grid-Forming IBR**
 - Jason MacDowell, GE Energy Consulting—Senior Technical Director
- 5. Applications of Grid-Forming IBR**
 - Dr. Julia Matevosyan, ERCOT—Lead Planning Engineer

6. Break

7. Weak Grid Experiences in ERCOT

- Dr. Julia Matevosyan, ERCOT—Lead Planning Engineer

8. Export Stability Study Comparing Grid-Following IBR, Grid-Forming IBR, and Synchronous Machines

- Nick Miller, HickoryLedge—Principal

9. Break

10. Modeling of Grid-Forming IBR and Frequency Response in a 100% IBR Grid

- Dr. Deepak Ramasubramanian, EPRI—Technical Leader

11. Grid-Forming IBR in Wind, Solar, Battery Plants

- Sebastian Achilles, GE Energy Consulting—Managing Director

12. Question and Answers

13. Adjourn

