**IBRWG Update**

**December 2025**

**Chair: Julia Matevosyan, Vice-Chair: Miguel Cova Acosta**

**IBRWG met on December 19th (Webex, Open Meeting).**

The agenda and the presentation slides are available [here](https://www.ercot.com/calendar/12192025-IBRWG-Meeting-_-Webex)

~100 people attended the meeting (at peak)

[in red are updates, since the meeting].

**IBRWG Main Meeting**

**System Strength and Grid-Forming ESR Study – Hill County GTC**

Yunzhi Cheng, ERCOT

* ERCOT presented results from a system strength and stability assessment for the Hill County area, where a SAMSW GTC was established on March 5, 2025.
* PSCAD studies identified sustained oscillations under N-1-1 contingencies.
* Replacing grid-following ESRs with a grid-forming ESR using WECC generic models (with generic parameters) showed significant stability margin improvement, increasing limits from ~20% to ~60% in the test case.

**NERC Updates**

Mark Henry, TRE

* Updates were provided on:
  + FERC Order 901 milestones,
  + PRC-029 implementation considerations,
  + EMT modeling training and NERC EMTWG publications
  + NERC Standard Project 2023-01 EOP-004 IBR Event Reporting
  + Expanded NERC registration thresholds (as a part of FERC Order 901).
  + NERC is revising Standards Process and Procedures

**ERCOT Reactive Study Updates – Zero MW Reactive Capability**

Jenifer Fernandez, ERCOT

* ERCOT outlined changes to reactive study requirements for IRRs, including new zero-MW reactive capability requirements for resources with SGIAs signed after August 1, 2024, and provided clarifications on testing scope.
* An NPRR to move reactive capability at 0 MW requirement from Section 2.9 of the Nodal Operating Guide to Section 3.15 of Nodal Protocols is coming up.

**Other Industry and Standards Updates**

Julia Matevosyan, ESIG

* Updates covered:
  + ESIG Fall Technical Workshop, relevant sessions to ERCOT IBRWG
  + DOE i2X FIRST meetings October-December
  + WECC Disturbance Events, four IBR tripping/active power reduction events in 2024
  + New IEEE 2800-series standards development efforts
  + WECC EMT initiatives
  + LBNL Qued-Up Report for 2024, generation interconnection queue trends

**Administrative Items**

* The group agreed to continue Friday 9:30 AM meetings in 2026, schedule is already posted on ERCOT IBRWG page and ERCOT meetings calendar
* Julia and Miguel agreed to serve another year on ERCOT IBRWG leadership team but also opened nominations for new leadership, if there are volunteers.