**IBRWG Update**

**July 2025**

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

**IBRWG met on July 18th (Webex, Open Meeting).**

The agenda and the presentation slides are available [here](https://www.ercot.com/calendar/07182025-IBRWG-Meeting-_-Webex)

106+ people attended the meeting (at meeting adjournment)

**IBRWG Main Meeting**

**Primary Frequency Control Issues after Ride-Through Events**

Patrick Gravois, ERCOT

* Provided some background on IBR units (PV and wind) that have been reducing output during voltage ride-through events due to high frequency calculations and/or PPC interactions during fault conditions.
* This behavior was first observed in the Panhandle during an event in March 2022. [NERC report here](https://www.nerc.com/pa/rrm/ea/Documents/Panhandle_Wind_Disturbance_Report.pdf)
* Additional clarity is needed potentially on frequency measurement methods, filtering and prioritization of different operating modes as well as hand over between inverter controls and PPC before and after VRT events.
* Further discussion is needed with SMEs and OEMs to present on frequency measurement and calculations.
* ERCOT & IBRWG will continue working with REs and OEMs to develop acceptable corrective action plans.

**Recent Renewable Records**

Ava Moore, ERCOT

* New Renewable record that was set on June 21, 2025. Wind and Solar generation was 46,966 MW at 13:00.
* At the time of the record, wind and solar penetration was 64% and wind/solar curtailment was 8,422 MW.

**Reactive Capability at Zero MW, Follow-up Discussion**

Miguel Cova Acosta, Vestas

* This topic was discussed at June IBRWG and the slides and detailed minutes of the discussion are posted on the 6/20/25 [meeting page](https://www.ercot.com/calendar/06202025-IBRWG-Meeting-_-Webex).
* As a next step, IBRWG chair plans to schedule a meeting with ERCOT staff and stakeholders who have expressed interest in the topic to identify if any clarifying changes to ERCOT rules are appropriate. – the meeting was held on 7/23
* Updates will be presented in August IBRWG.

**NERC Updates**

Mark Henry, TRE

* FERC Order 901
  + Milestone 2: No decision announced – NERC PRC-029 “Frequency and Voltage Ride-through Requirements for Inverter-based Resources” got approved by FERC on July 24
  + Milestone 3: Second posting expected late July/August.
  + Milestone 4: SARs were reviewed by NERC RSTC and with go to the SC in the fall for public comment.
* Update on other Medium Priority Projects Involving IBRs:
* NERC issued Essential Actions to Industry: Inverter-Based Resource Performance and Modeling on May 20. Question responses are due midnight, August 18, 2025.
* Category 2 registration of IBR’s connected at >60kV transmission and nameplate >20 MVA, delayed, likely starts in August.
  + Reliability Standards will be applicable to IBR meeting the new registration criteria after May 2026, details TBD.
* RSTC reviewed and approved two EMT whitepapers in June, public posting expected in the near future.
  + Case Study on Adoption of EMT Modeling and Studies in Interconnection and Planning Studies for BPS–connected IBR (a Survey)
  + EMT Analysis in Operations