TEXAS RE

July 2025 Update on NERC IBR-Related Activities

NSRF Meeting

Mark Henry

August 21, 2025

Standards Development Update

ORDER 901

Milestone 2

The Federal Energy Regulatory Commission (FERC) approved PRC-029 on July 24, 2025 with an effective date of October 1, 2026 (see Docket RM25-3-000). PRC-028-1 Implementation Plan and PRC-030-1 Implementation Plan approved by FERC earlier in 2025 are now also effective with PRC-029 approval

Milestone 3

Project 2020-06 – Verification of Models and Data for Generators

- Model Validation and Model Verification Definitions passed final ballot in July

On the NERC Board meeting agenda for **August 14, 2025**

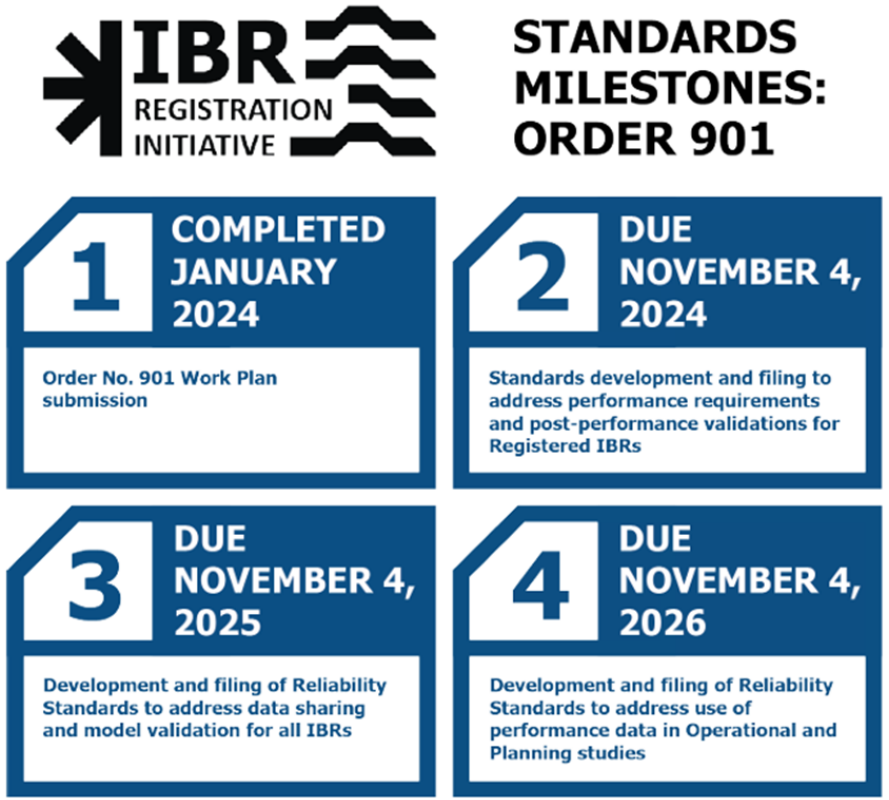
- MOD-026 Verification of Dynamic Models & Data, still to be posted.

Project 2021-01 – System Model Validation with Inverter-Based Resources (IBRs)

- Posted for comment and ballot through **September 10, 2025**
- MOD-033-3 Steady-State and Dynamic System Model Validation

Project 2022-02 – Uniform Modeling Framework for IBR

- Posted for comment and ballot through **September 10, 2025**
- MOD-032-2 – Data for Power System Modeling and Analysis
- IRO-010-6 – Reliability Coordinator Data & information Specification & Collection
- TOP-003-8 – Trans. Oper and Bal. Auth. Data & Information Specification & Collection Implementation



Milestone 4 – Posting SARS and drafting team nomination solicitation week of August 25

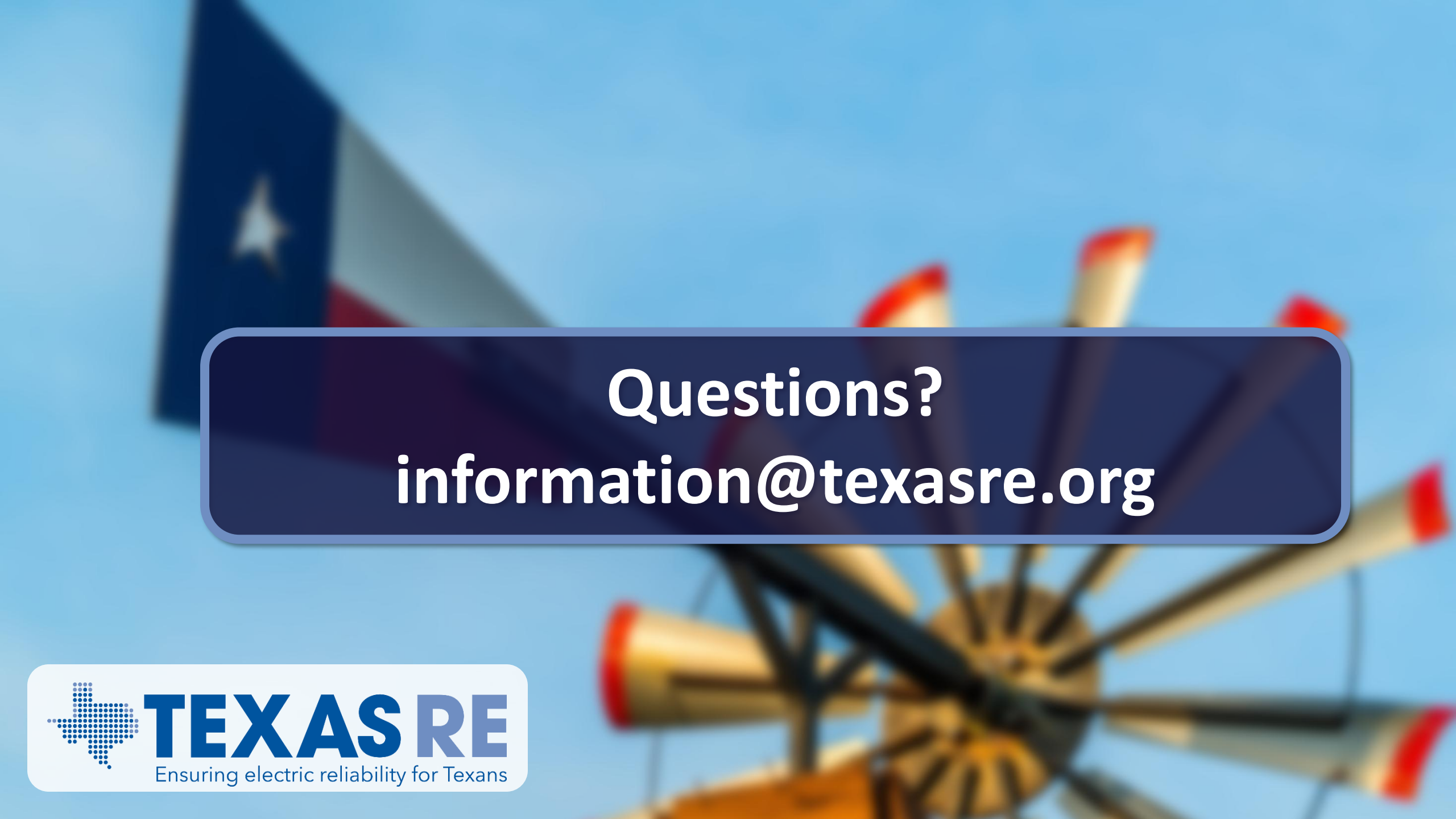
- Project 2025-03 Operational Studies
- Project 2025-04 901 Planning Studies

Other NERC Activity

NERC issued Essential Actions to Industry: Inverter-Based Resource Performance and Modeling on May 20. Question responses were due midnight, **August 18, 2025**, covering these essential actions:

- Each TO Transmission Owner (TO) and Transmission Planner (TP), in coordination with their Planning Coordinator (PC), should enhance existing criteria and policies in their generator interconnection and planning activities respectively, with additional technical details and IBR-specific performance criteria
- Each TP and PC should enhance their modeling and study practices to ensure sufficient study work and model quality verification is performed and documented to reflect models that are representative of equipment
- TOs, TPs, or PCs, where applicable, should perform a detailed review of currently operating IBRs on their system to understand the real-world performance and accuracy of their models
- Each Generator Owner (GO) should create and implement processes to help ensure models used for the evaluation of their design and submitted to TPs and PCs for use in generator interconnection and planning processes are—to the extent possible based on the available information—accurate and high-fidelity representations

Standard Project 2022-04 EMT Modeling. Formal comment period and initial ballot, target posting mid-August for FAC-002-5, Facility Interconnection Studies


Questions?
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