



TEXAS RE

IBR Work Plans and Registration

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April 1, 2025

Antitrust Admonition

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Upcoming Texas RE Events



talk with
TEXAS RE

April 8, 2025

Trends for New
Registrants



talk with
TEXAS RE

May 20, 2025

Summer Outlook



talk with
TEXAS RE

May 28, 2025

GOP Functions
and Third-Party
Control Centers



Upcoming Texas RE Events



April 23, 2025

Spring Standards,
Security, &
Reliability
Workshop



May 14, 2025

Q2 MRC, AGR&F, and
Board Meetings



July 16, 2025

Evolving Grid
Workshop



Upcoming ERO Enterprise Events

NERC

NORTH AMERICAN ELECTRIC
RELIABILITY CORPORATION



Date	Event
April 2	<u>Application of IBR Practice Guide Workshop (SERC)</u>
April 3	<u>2025 Virtual RAM Conference (MRO)</u>
April 8-10	<u>System Operator Conference 1 (SERC)</u>
April 10	<u>GridEx VIII Preparation Webinar (MRO)</u>
April 17	<u>Reliability & Security Monthly Update (WECC)</u>
April 21	<u>Technical Talk with RF (RF)</u>
April 24	<u>Risk-Based Compliance and Self-Reporting Guidance Webinar (SERC)</u>



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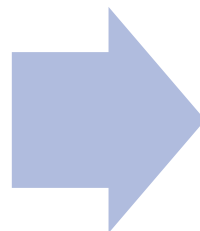
Create your own Slido event

[Watch a video](#) or [Schedule a demo](#)



IBR Background

Major event reports have shown that inverter-based resources (IBRs) have a material impact on the reliability of the Bulk Power System



IBRs with a material aggregate impact should be required to register with the North American Reliability Corporation (NERC) & comply with NERC Reliability Standards

Major Event Reports: <https://www.nerc.com/pa/rrm/ea/Pages/Major-Event-Reports.aspx>

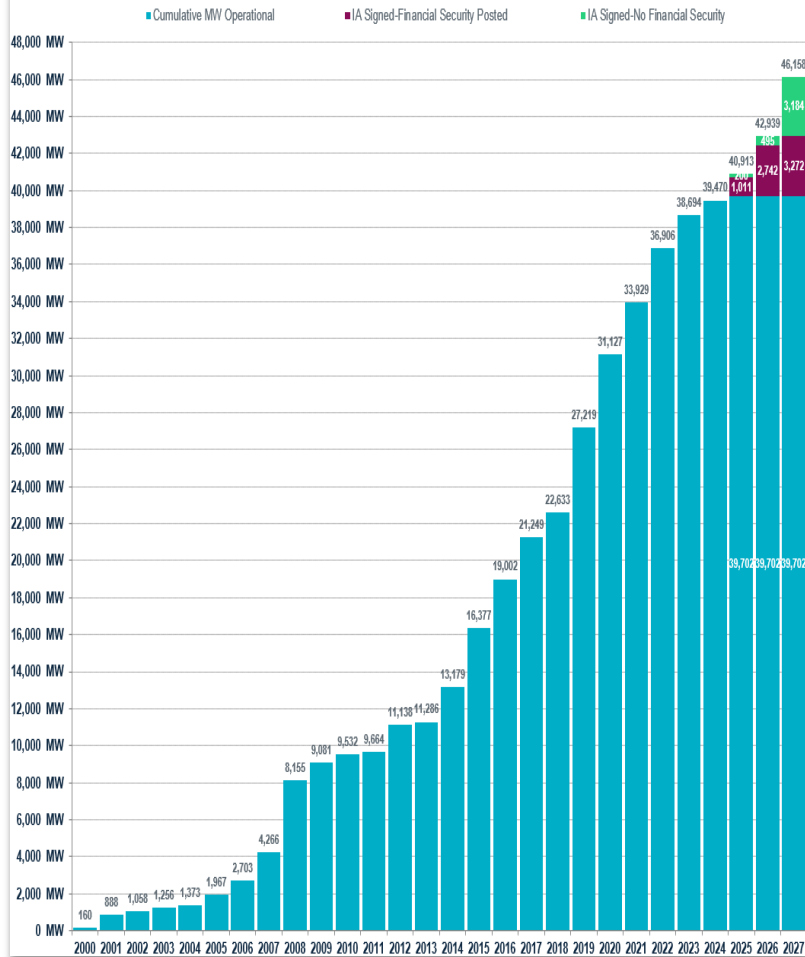
NERC IBR Strategy Report: https://www.nerc.com/comm/Documents/NERC_IBR_Strategy.pdf

November 17, 2022 FERC IBR Order: <https://www.ferc.gov/media/e-1-rd22-4-000>

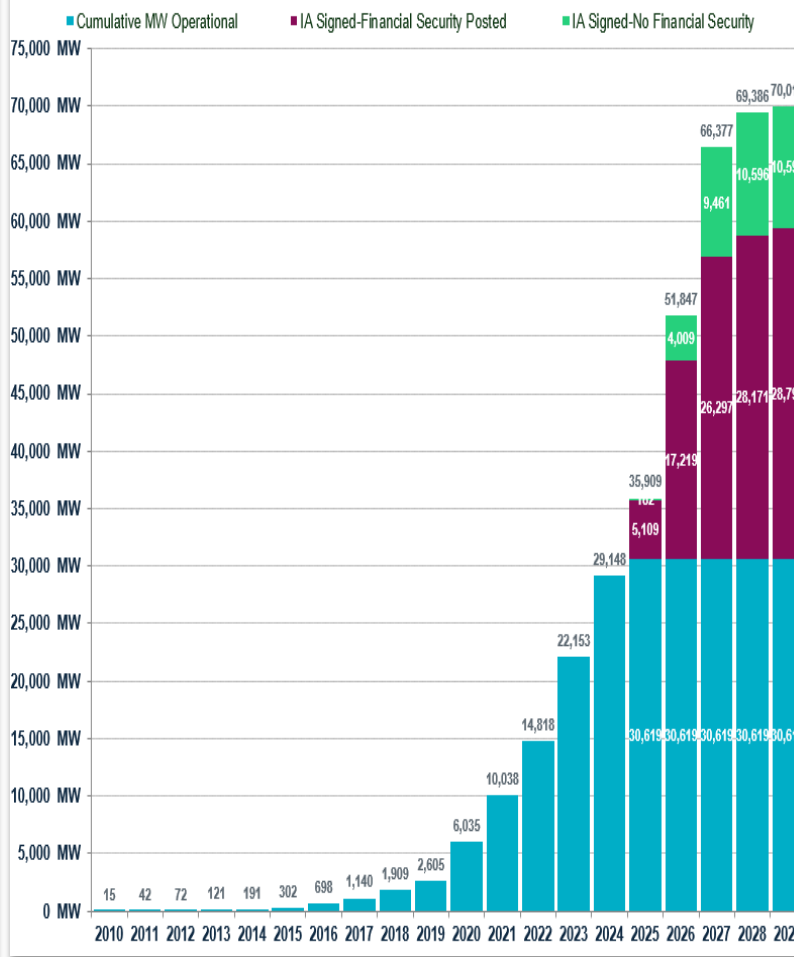
FERC Order 901: <https://www.ferc.gov/media/e-1-rm22-12-000>

IBR Growth in Texas

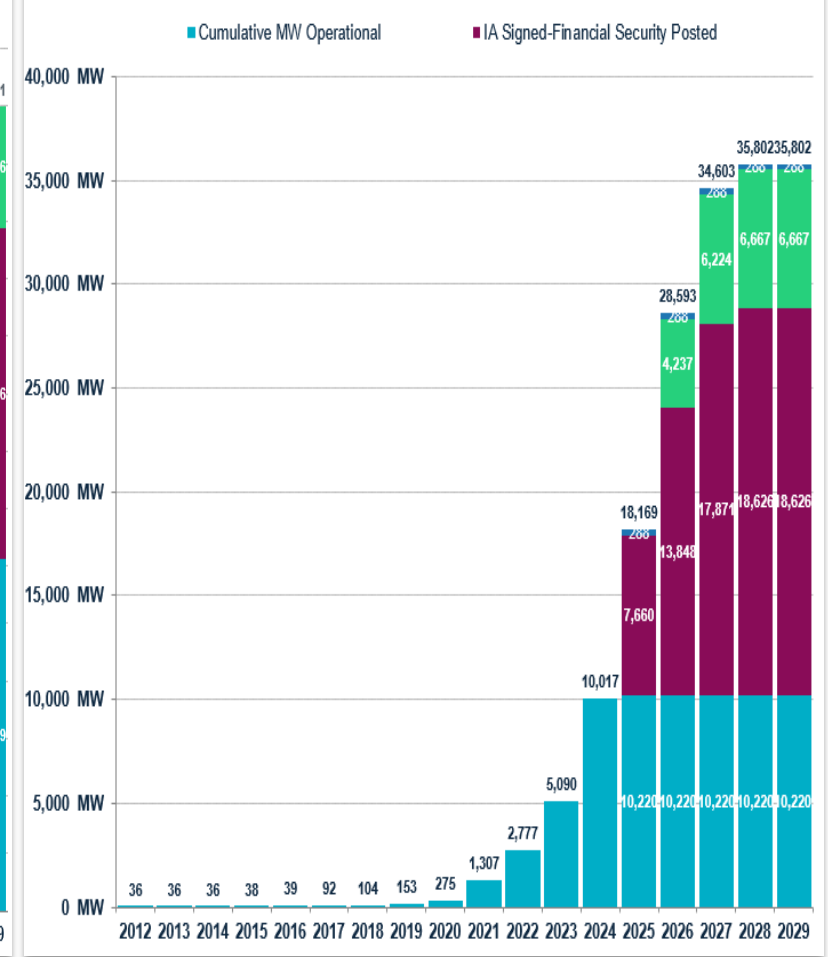
ERCOT Wind Additions by Year (as of Feb 28, 2025)



ERCOT Solar Additions by Year (as of Feb 28, 2025)



ERCOT Battery Additions by Year (as of Feb 28, 2025)



https://www.ercot.com/files/docs/2025/03/07/CapacityChangesbyFuelTypeCharts_February_2025.xlsx

IBR Registration Timeline



ROP Changes

“Generator Operator” means the entity that: 1) operates generating Facility(ies) and performs the functions of supplying energy and Interconnected Operations Services (Category 1 GOP); or 2) operates non-BES inverter based generating resources that either have or contribute to an aggregate nameplate capacity of greater than or equal to 20 MVA, connected through a system designed primarily for delivering such capacity to a common point of connection at a voltage greater than or equal to 60 kV (Category 2 GOP).

“Generator Owner” means an entity that: 1) owns and maintains generating Facility(ies) (Category 1 GO); or 2) owns and maintains non-BES inverter based generating resources that either have or contribute to an aggregate nameplate capacity of greater than or equal to 20 MVA, connected through a system designed primarily for delivering such capacity to a common point of connection at a voltage greater than or equal to 60 kV (Category 2 GO).



Identification Timeline Information



June 27, 2024: ROP Revisions Completed

July 9, 2024: RFI 1 Sent to TOs and BAs

December 6, 2024: RFI 2 Sent (Texas RE)



RFI 1—Gathering Contact Information

Contact Information

- **Request for Information (RFI) sent to all Transmission Owners and Balancing Authorities**
- **Identification of facilities**
- **Contact information for owners and operators of those facilities**



RFI 2—Identification & Prep for Registration

Necessary Data for Registration

- Generator Owner (GO)/Generator Operator (GOP) Asset Verification Form
- One-Line Diagram(s)
- Interconnection Agreement
- Resource Asset Registration Form (RARF)/Resource Integration and Ongoing Operations (RIOO) Information
- O&M Agreement(s), if applicable



Compliance Obligations

Compliance obligations expected to begin May 2026



Reliability Standards Compliance Dates for
Generator Owners & Generator Operators

More details to come...



Texas RE New Generator Welcome Package



Recommended Reading

Internal Controls

GO/GOP Roadmap

Example Self-Certification Questions

<https://www.texasre.org/Documents/Compliance/Generator Welcome Package.pdf>

NERC IBR Quick Reference Guide



Quick Reference Guide: IBR Registration Initiative

March 2025

As part of its [Inverter-Based Resource Strategy](#), NERC is dedicated to identifying and addressing challenges associated with inverter-based resources (IBR) as the penetration of these resources continues to increase. ERO Enterprise assessments identified a reliability gap associated with the increasing integration of IBRs as part of the grid in which a significant level of bulk power system-connected IBR owners and operators are not yet required to register with NERC or adhere to its Reliability Standards.

In response, FERC issued an [order](#) in 2022 directing NERC to identify and register owners and operators of currently unregistered bulk power system-connected IBRs. Working closely with industry and stakeholders, NERC is executing a FERC-approved work plan to achieve the Resources are also posted on the [Registration page](#) of the NERC website.

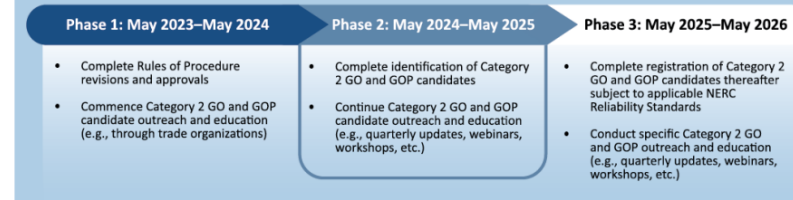
Key Activities

- NERC submitted its [quarterly work plan update](#) to FERC on February 5.
- **NEW** NERC has released a guide—[Reliability Standards Compliance Dates for Generator Owners & Generator Operators](#)—providing finalized and pending Reliability Standard compliance dates applicable to Category 2 registration.

Available Resources

- [ERO Enterprise IBR Event Tracking Graphic](#)
- [ERO Enterprise CMEP Practice Guide](#)
- [101 Resource Document](#) | [IBR Video](#) | [Open Letter to New Registrants](#)
- [Q1 2024 Update](#) | [Q2 2024 Update](#) | [Q3 2024 Update](#) | [Q4 2024 Update](#)
- **NEW** ERO Enterprise March 2025 Webinar: [Slide Presentation and Recording](#)
- ERO Enterprise November 2024 Webinar: [Slide Presentation and Recording](#)
- [Quick Reference Guide: Candidate for Registration](#)
- [NERC Registration Page](#)
- [Standards Under Development Page](#) | [Milestone 3 Summary and Infographic](#)

IBR Registration Milestones



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https://www.nerc.com/pa/Documents/IBR_Quick%20Reference%20Guide.pdf



NERC Registration Webinars

Webinar 1: Inverter-Based Resource Registration Initiative

- [Webinar Recording](#)
- [Slide deck](#)

Webinar 2: Application of the Registration Criteria for Category 2 Generator Owner and Generator Operator Inverter-Based Resources

- [Document](#)
- [Webinar Recording](#)
- [Slide Deck](#)



NERC Resources

[ERO Enterprise Registration Procedure](#)

[ERO Enterprise Entity Onboarding Checklist](#)

[ERO Enterprise 101 Informational Package](#)

[ERO Enterprise GO GOP Asset Verification Form](#)

[CORES End User Guide](#)



What Happens After Registration?

Risk Assessment

- Inherent Risk Assessment (IRA)
- Compliance Oversight Plan (COP)
- Engagement Scopes

Compliance Engagements

- Self-Certifications
- Audits
- Spot Checks



Staying Informed

Texas RE
Reliability 101 and
201 Webinar
Series

Texas RE Member
Representatives
Committee
Meetings

Texas RE NERC
Standards Review
Forum (NSRF)
Meetings

Texas RE Event
Calendar



FERC/NERC outreach

Filing notifications

Public commenting periods



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The background of the slide features a blurred image of the Texas state flag on the left and a close-up of a wind turbine's hub and blades on the right. The blades are white with red tips. A dark blue rounded rectangle with a thin light blue border is centered over the image.

Questions?



TEXAS RE

Ensuring electric reliability for Texans