



Consistent with its [Inverter-Based Resource Strategy](#), NERC is dedicated to identifying and addressing challenges associated with inverter-based resources (IBR) as their penetration continues to increase. In addition, FERC issued two orders with directives to NERC regarding IBRs: (1) an [order](#) directing NERC to identify and register owners and operators of currently unregistered bulk power system-connected IBRs; and (2) [Order No. 901](#) directing the development of Reliability Standards addressing multiple aspects of IBR planning. Working closely with industry and stakeholders, NERC is executing a [FERC-approved IBR Registration work plan](#) and an [Order No. 901 Work Plan](#) to achieve these directives within the prescribed timeframes.

2024 Third Quarter Update

Third quarter activities focused on outreach to registration candidates as well as the development of resources to support their entry into the ERO Enterprise.

Key Activities

Legal

On August 9, 2024, NERC filed a [work plan progress update](#) with FERC. On August 26, 2024, NERC submitted a [compliance filing](#) in response to the order issued by FERC on June 27, 2024 approving revisions to the NERC Rules of Procedures. As directed by FERC, the compliance filing clarified the types of IBRs included in the term “generating resources.”

Registration

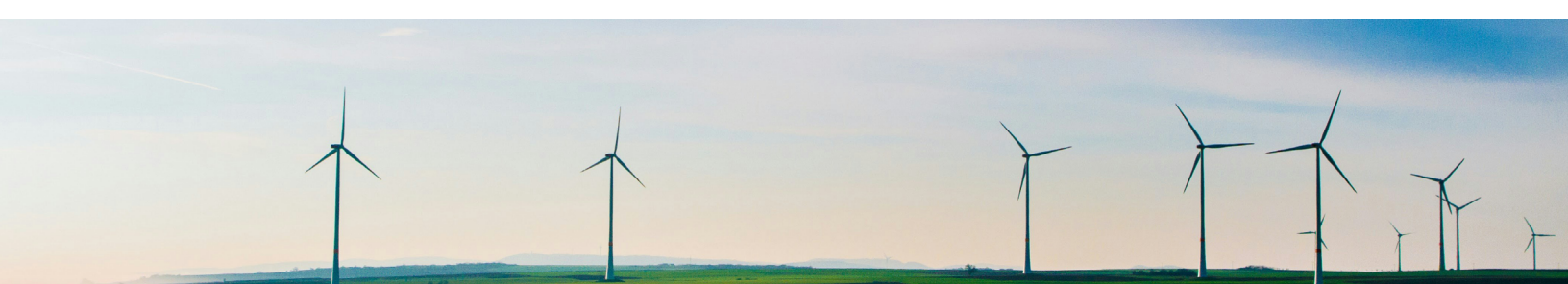
On July 8, 2024, NERC issued a Request for Information (RFI) to all registered Balancing Authorities and Transmission Owners to identify owners and operators of IBRs connected to the bulk power system in their footprints that meet the new Generator Owner and Generator Operator Category 2 criteria. Responses were due to the respective Regional Entities by September 20, 2024. The Regional Entities intend to use the responses from the RFI to validate the resources that are candidates for Category 2 registration and initiate entity outreach to the owners of these IBRs. NERC is planning to hold an ERO-wide webinar in mid-November to explain the next

steps in the registration process for these entities, and registration details will be shared in the near future.

Standards

In response to FERC Order No. 901, NERC continues to develop active Reliability Standards projects that address multiple aspects of IBR planning. In August, the NERC Board of Trustees invoked Section 321 of the Rules of Procedure to ensure that systemic reliability issues associated with IBRs are addressed in a timely manner and that NERC is responsive to FERC’s Order No. 901 directives. To that end, NERC and the Standards Committee hosted a [PRC-029-1 technical conference](#) on September 4–5. Three Milestone 2 projects—[Project 2020-02 – Modifications to PRC-024 \(Generator Ride-through\)](#), [Project 2021-04 – Modifications to PRC-002-2](#), and [Project 2023-02 – Analysis and Mitigation of BES Inverter-Based Resource Performance Issues](#), as well as a definition for “Inverter-Based Resources” proposed by [Project 2020-06 – Verifications of Models and Data for Generators](#)—were approved by the NERC Board of Trustees on October 8.

Want More?
Visit the [IBR Registration Initiative Quick Reference Guide](#)



Stakeholder Outreach and E-ISAC Engagements

NERC continued engagement with state and provincial regulators at the NARUC Summer Policy Summit and CAMPUT Annual General Meeting.

Additionally, the E-ISAC continued to support engagement and outreach through monthly Cyber Security Working Group meetings with the Solar Energy Industries Association, a dedicated clean energy transition session at [GridSecCon](#) in October, and a presentation at an upcoming solar energy conference on the importance of cyber security for renewable energy assets.



Resources

NERC has several resources to ensure industry and stakeholders are kept informed throughout this critical, three-phase project, including the [IBR Registration Initiative Quick Reference Guide](#) (housed under the Initiatives tab on NERC’s website), project milestones, updated FAQs and guides for new entities, and quarterly updates. As needs are identified, additional fact sheets and educational materials will be produced to integrate new entrants into the broader ERO Enterprise model.

Please visit the [NERC](#) and the [E-ISAC](#) websites to

learn more about their critical reliability and security work. Additionally, the Regional Entities also have IBR Registration Initiative information available:

- [NPCC](#)
- [MRO](#)
- [Reliability First](#)
- [SERC](#)
- [Texas RE](#)
- [WECC](#)

IBR Registration Milestones

Phase 1: May 2023–May 2024

- Complete Rules of Procedure revisions and approvals
- Commence Category 2 GO and GOP candidate outreach and education (e.g., through trade organizations)

Phase 2: May 2024–May 2025

- Complete identification of Category 2 GO and GOP candidates
- Continue Category 2 GO and GOP candidate outreach and education (e.g., quarterly updates, webinars, workshops, etc.)

Phase 3: May 2025–May 2026

- Complete registration of Category 2 GO and GOP candidates thereafter subject to applicable NERC Reliability Standards
- Conduct specific Category 2 GO and GOP outreach and education (e.g., quarterly updates, webinars, workshops, etc.)

