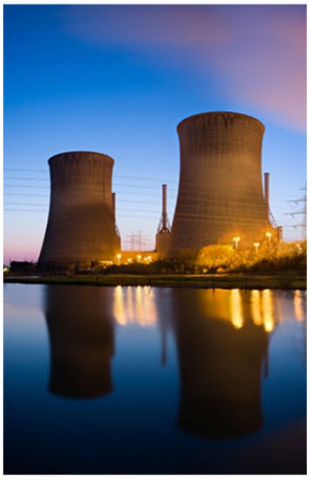
NERC
NORTH AMERICAN ELECTRIC RELIABILITY CORPORATION

IBR REGISTRATION INITIATIVE



Announcement

NERC Releases IBR Registration Resources for New Registrants

November 12, 2024

ATLANTA – Over the past six years, system events have demonstrated that inverter-based resources (IBR) are having a major impact on generation, transmission and distribution systems. These resources play a critical role in the transition to a more resilient and sustainable future energy landscape, but their unique characteristics present new challenges for grid reliability and stability. As part of its *IBR Strategy*, NERC is dedicated to identifying and addressing challenges associated with IBRs, sharing risk mitigation techniques with industry and providing best practices and education.

The IBR Registration Initiative is one way NERC addresses these challenges. This initiative, directed by the Federal Energy Regulatory Commission (FERC) in 2022 and launched in 2023, seeks to identify and register owners and operators of currently unregistered bulk power system-connected IBRs, thereby closing the reliability gap in which 16% of IBR owners and operators that are connected to the bulk power system are not yet required to register with NERC or adhere to its Reliability Standards.

Under the Energy Policy Act of 2005, the Federal Energy Regulatory Commission (FERC) certified NERC as the designated Electric Reliability Organization (ERO) in 2006, charging NERC with developing and enforcing mandatory Reliability Standards, assessing current and future reliability trends, analyzing system events and recommending improved practices. The ERO Enterprise is comprised of NERC and its six Regional Entities, working collaboratively to ensure the reliability of the North American grid. NERC, in its role as ERO, recognizes the critical importance of ensuring that identified entities are integrated smoothly and are educated on the scope and role of the ERO Enterprise.

To that end, NERC has developed resources to provide support and education on IBRs, the IBR Registration Initiative and the ERO Enterprise model:

- **NERC, the Electricity Information Sharing and Analysis Center (E-ISAC), and IBR 101**: This document serves as a foundational resource outlining NERC's and the E-ISAC's framework, roles and responsibilities and provides an overview of the IBR Registration Initiative's key components. It is designed to be accessible to a broad audience, including those new to the ERO Enterprise.

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- **IBR Video**: This video explains the complexities surrounding IBRs and illuminates their role on the grid in concert with traditional generating resources. It also provides a concise overview of the IBR Registration Initiative, detailing objectives and benefits and explaining how registrants can engage with their Regional Entities and NERC through the registration process.
- **Open Letter to New Registrants**: This letter welcomes new Category 2 Generator Owners and Operators, explains the ERO Enterprise model and provides key resources.

NERC is committed to overseeing an effective and informed transition to maintain grid stability and reliability. Its efforts in this area are reflected in its 2024 work plan priorities, which strive to keep NERC at the forefront of the transformation by focusing on four key areas: Energy, Security, Agility and Sustainability.

For more information about this initiative, please visit the IBR Quick Reference Guide.

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Electricity is a key component of the fabric of modern society and NERC, as the Electric Reliability Organization, serves to strengthen that fabric. The vision for the ERO Enterprise, which is comprised of NERC and the six Regional Entities, is a highly reliable and secure North American bulk power system. Our mission is to assure the effective and efficient reduction of risks to the reliability and security of the grid.