

Actions by the New York State Reliability Council to Address Concerns Regarding the Potential Reliability Impacts on the New York State Bulk Power Electric System from a Significant Increase in Inverter Based Resources on the System

Climate Leadership and Community Protection Act (“CLCPA”) Legislation recently enacted in New York State has mandated a very significant increase in Inverter Based Resources (IBR) on the New York State electric system. In light of this legislation, and after extensive review, the New York State Reliability Council (NYSRC) identified the need for, and is in the process of implementing, a number of actions necessary to preserve the reliability of the New York State Bulk Power System. In anticipation of the transition from synchronous generation to a large increase in IBR connected generation facilities, the NYSRC approved an Inverter Based Resources white paper¹ recommending that the following actions be taken.

- Phase 1 - Implement the adoption of IEEE 2800-2022 requirements for all new IBR interconnections to the NYCA BPS
- Phase 2 - Implement IBR modeling in all NYISO system performance studies
 - Resource adequacy requirements
 - Transmission planning requirements
 - System performance evaluations
- Phase 3 - Implement IBR-DER modeling in all NYISO system performance studies

¹ [https://www.nysrc.org/PDF/Documents/Inverter Based Resources White Paper - EC Approved 7-8-2022.pdf](https://www.nysrc.org/PDF/Documents/Inverter%20Based%20Resources%20White%20Paper%20-%20EC%20Approved%207-8-2022.pdf)

Under the IEEE 2800-2022 the NYSRC is the Authority Governing Interconnection Requirements (AGIR)² in New York State and, as recommended in Phase 1 of the white paper, is in the process of implementing IEEE 2800-2022 for application to IBR interconnections in the New York Control Area. It is expected that a new NYSRC IBR interconnection reliability rule will be implemented in the first quarter of 2023. It is recognized that the rule may be modified as experience is gained, and as NERC IBR reliability standards, guidelines and mandatory requirements are ultimately approved.

² IEEE 2800-2022 defines but does not implement or designate the AGIR for a given area. This decision is left to local authorities. NYSRC is in the process of implementing this step, but it is necessary for all surrounding power systems to take similar steps for the interconnected power system for the standard to be effective in preserving reliability.