

Update to Non-Synchronous Performance Requirements



PSEG LONG
ISLAND

We make things work for you.

NON-SYNCHROUS GENERATION PERFORMANCE REQUIREMENTS

- PSEG Long Island has completed and posted an update to the document:
“PERFORMANCE REQUIREMENTS FOR TRANSMISSION-CONNECTED NON-SYNCHRONOUS RESOURCES”
<https://www.psegliny.com/aboutpseglongisland/legalandregulatory>
- Changes focus on the inclusion of performance requirements similar to those being considered for the upcoming IEEE P2800 standard.
- This document seeks to “bridge the gap” between the prior documentation and the upcoming IEEE standard.
- Updated document provides clarity to prior performance requirements in which developers have been asking clarifying questions on.
- Document also seeks to increase the performance of non-synchronous generation to maintain reliability while achieving NYS clean energy goals

Summary of Updates Made to Performance Requirement

- Reactive Power Capability
 - Widens the capability to include voltages below and above normal operating ranges
 - Requires full dynamic reactive power capability with switched elements utilized only for offsetting losses or cable charging.
- Voltage and Frequency Ride through
 - In line or more severe than PRC-024-3
- Harmonic Performance Requirements
 - Performance broken into strong and weak systems
 - Requirements for strong system are current-based
- Power Line Carrier Interference section removed
- Transient and Temporary Over Voltages clarifications
 - More clear approach to defining transient overvoltage; same as in P2800