

Draft Revisions of PSEG Long Island's **DER Interconnection Technical Requirements Document**

Long Island Interconnection Working Group Meeting
September 10, 2020

Disclaimer

The following changes are being considered for the technical requirements document and may be subject to change.

Draft - Areas of Significant Change

- Provision for extending feeder breaker reclosing delay to 2.5 s
- Preliminary screening – changes and additional screens
- Assignment of disturbance ride-through categories
- Requirement for UL 1741SB certification after 1/1/2022
- Re-entry to service following disturbance trips
- Details of utility-grade protective relay requirements
- DTT implementation details; now for inverters $\geq 2,000$ kVA
- SCADA requirements – now ≥ 500 kVA

Motivations for Changes

- 2.5 second reclosing delay and consequent reduction of DTT requirements
- Consistency with revised industry standards
- Close gaps in preliminary screens

Reclosing Delay

- LIPA feeder circuit breakers have historically used “instantaneous” reclosing
 - Too fast for inverter anti-islanding algorithms, creating risk of out-of-phase reclose
 - Major reason for DTT requirements
- Extend reclosing delay to 2.5 s, where applicable
 - Not necessary for low penetration feeders
 - Allows certified inverter AI functions eliminate islands before reclose
 - Implementation as simple as changed setting in some cases to replacement of relays in other cases – costs to be assumed by applicant
- Allows higher penetration without DTT
 - Necessitates changes in screens to identify system impact issues that may occur at higher penetrations