

NYISO Self-Certification

Description:

NYSRC Reliability Rule Reference (No. and Name)

I.1: Verification Testing of Resource Capacity

NYSRC Requirement(s) for which compliance is being self-certified

R1. The *NYISO* shall establish and maintain procedures for *resource capacity* data verification testing or demonstration for all equipment utilized for providing *installed capacity* to the NYCA.

R.1.1. The data to be provided to the *NYISO* shall include *resource net dependable capacity* for all *resources* that are participating in the *NYISO installed capacity* market. The procedures shall include requirements for *resource* providers to provide to the *NYISO* the net MW at the time of the DMNC test.

R.1.2. The *NYISO* procedures shall provide dependable net *capacity* data to the operating function of the *Transmission Owner* that the *resource* connects to, within 60 calendar days following the close of the seasonal *Capability Period* or annual test period, respectively. Documentation of the *NYISO* procedures and verification results shall be provided to the *NYSRC* upon request.

R2. The *NYISO* shall establish and maintain procedures for *resource capacity* data verification testing or demonstration for all equipment utilized for providing *reactive power capacity* to the NYCA.

R.2.1 The data to be provided to the *NYISO* shall include *reactive power capacity* for all *resources* that are voltage support ancillary service providers. The procedures shall include requirements for *resource* providers to provide to the *NYISO* the net MW and gross MVar quantities taken simultaneously at the time of the *reactive power capability* test. These *reactive power* tests shall be undertaken for both leading and lagging *reactive power* operation.

R.2.2. *NYISO* procedures shall include a requirement that, following leading *reactive power* testing, each *Generation Equipment Owner* shall provide a certification to the *NYISO* that the data submitted for the leading *reactive power* test accurately demonstrates the maximum leading *reactive power* of the generator at the time of the test.

R.2.3. The *NYISO* shall provide gross *reactive power capacity* data to the operating function of the *Transmission Owner* that the *resource* connects to, within 60 calendar days following the close of the seasonal *Capability Period* or annual test period, respectively. Documentation of the

NYISO procedures and verification results shall be provided to the NYSRC upon request.

Compliance Monitoring Process

Compliance Monitoring Responsibility:

- **M1:** RCMS

Compliance Documentation Reporting Frequency:

- **M1:** In accordance with NYSRC Compliance Monitoring Program schedules.

Compliance Reporting Requirements:

- **M1:** NYISO Self-Certification

Measure No.

<input checked="" type="checkbox"/> Full Compliance	M1. The NYISO established and maintained <i>resource capacity</i> verification procedures in accordance with R1 and R2. The schedule for the testing of <i>generation</i> equipment and the schedule for submission of the verification or tests to the NYISO was included in these NYISO procedures. The dependable net <i>capacity</i> and gross reactive <i>capacity</i> data was forwarded to the operating function of the <i>Transmission Owner</i> in accordance with time requirements specified in R1 and R2.
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Levels of Non-Compliance

___ Level 1	M1. Not applicable.
___ Level 2	M1. Documentation of NYISO procedures for <i>resource capacity</i> equipment testing did not meet R1 and R2 requirements in one or more areas.
___ Level 3	M1. The NYISO did not provide <i>capacity</i> data to the <i>Transmission Owners</i> within the time requirements specified in R1 and R2.
___ Level 4	M1. Documentation of NYISO procedures for <i>resource capacity</i> equipment testing in accordance with R1 and R2 requirements were not provided.

R.1. NYISO procedures were in place for the appropriate Summer and Winter Capability Periods. The NYISO maintains procedures for testing and demonstration of resource capacity in Section 5.12.8 of the Market Services Tariff and Section 4.2 of the Installed Capacity Manual. This section of the Installed Capacity Manual specifies the provision of the net dependable capacity data and date of testing. Evidence of compliance with resource capacity requirements is available in the ICAP Automated Market software.

R.2. Section 3.6 of the Ancillary Services Manual requires annual testing of generators that provide voltage support service and reporting of the test results to the NYISO. Reactive power capacity requirement documentation is available in electronic files maintained by Auxiliary Market Operations.

NYISO certifies that all applicable generator owners performed reactive power capability tests and reported the results to NYISO for the test period Summer 2019.

Certified by: J. Boles

Title: Senior Manager, Capacity Markets Operations

Date: June 04, 2020