

Request to Develop Reliability Rules for Implementation of Rules Enhancement Plan (REP)

Item	Response
1. Rules Enhancement Plan (REP) Description	On April 11, 2013, the NYSRC Executive Committee adopted a Rules Enhancement Plan (REP) which: (1) restructures the present NYSRC Reliability Rules and supporting elements, and (2) proposes new rules and revises others to ensure they are consistent with current and pending NERC and NPCC standards and criteria, while continuing to maintain NYSRC's more stringent and specific requirements. Comments will be considered for proposed new and revised rules that are highlighted in red-line. The REP is described in the NYSRC report, <i>Rules Enhancement Plan</i> , www.nysrc.org/reports3.asp , which describes the restructured rule format (PRR Lines 3-7) and the tasks for implementing the REP.
2. Reliability Rule Requester	NYSRC Reliability Rules Subcommittee (RRS)
3. REP Proposed Reliability Rule (PRR) No.	SEP-03
4. Number and Title of Proposed Reliability Rule	C-R1: Verification Testing of Resource Capacity
5. Section A – Reliability Rule Elements	
1. Reliability Rule	Equipment used for providing <i>resource capacity</i> shall be tested to verify capacity data.
2. Associated NERC & NPCC Standards and Criteria	NPCC: Directories 9 & 10 NERC: MOD-024. MOD-025, TOP-002
3. Applicability	NYISO and Generation Owners
6. Section B – Requirements	
Requirements	<p>R.1 The <i>NYISO</i> shall establish and maintain procedures for <i>resource capacity</i> data verification testing or demonstration for all equipment utilized for providing <i>installed capacity</i> to the NYCA.</p> <p style="padding-left: 40px;">R.1.1 The data to be provided to the <i>NYISO</i> shall include <i>resource net dependable capacity</i> for all resources that are participating in the <i>NYISO</i> installed capacity market. The procedures shall include requirements for resource providers to provide to the <i>NYISO</i> the net MW at the time of the DMNC test.</p> <p style="padding-left: 40px;">R.1.2 The <i>NYISO</i> shall provide dependable net capacity data to the operating function of the <i>Transmission Owner</i> 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 <i>NYISO</i> procedures and verification results shall be provided to the <i>NYSRC</i> upon request.</p> <p>R.2 The <i>NYISO</i> shall establish and maintain procedures for <i>resource capacity</i> data verification testing or demonstration for all equipment utilized for providing <i>reactive power capacity</i> to the NYCA.</p> <p style="padding-left: 40px;">R.2.1 The data to be provided to the <i>NYISO</i> shall include <i>reactive power</i></p>

	<p><i>capacity</i> for all resources that are voltage support ancillary service providers. The procedures shall include requirements for resource providers to provide to the <i>NYISO</i> the net MW and gross MVAR quantities taken simultaneously at the time of the <i>reactive power capability</i> test. These reactive power tests shall be undertaken for both leading and lagging reactive power operation.</p> <p>R.2.2 <i>NYISO</i> procedures shall include a requirement that, following leading reactive power testing, each <i>generation</i> equipment owner shall provide a certification to the <i>NYISO</i> 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.</p> <p>R.2.3 The <i>NYISO</i> shall provide gross reactive power capacity data to the operating function of the <i>Transmission Owner</i> 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 <i>NYISO</i> procedures and verification results shall be provided to the <i>NYSRC</i> upon request.</p> <p>R.3 Owners of <i>resources</i> responsible for providing <i>ICAP</i> shall seasonally verify the <i>net dependable capacity</i> of their equipment and report these results to the <i>NYISO</i> in accordance with <i>NYISO</i> procedures and schedules as required in R1.</p> <p>R.4 <i>Generation</i> equipment owners shall annually perform lagging reactive power tests for all generators that are voltage support ancillary service providers. <i>Generation</i> equipment owners shall perform leading <i>reactive power</i> tests once every three calendar years for all generators that are voltage support ancillary service providers. These tests shall verify the maximum reactive power capacity offered into the voltage support service program. Test results shall be reported to the <i>NYISO</i>, in accordance with <i>NYISO</i> procedures and schedules as required in R1.</p>
<p>7. Section C – Compliance Elements</p>	
<p>1. Measures</p>	<p>M1. The <i>NYISO</i> established and maintained resource capacity verification procedures in accordance with R1 and R2. The schedule for the testing of generation equipment and the schedule for submission of the verification or tests to the <i>NYISO</i> was included in these <i>NYISO</i> procedures. The dependable net capacity and gross reactive capacity data was forwarded to the operating function of the <i>Transmission Owner</i> in accordance with time requirements specified in R1 and R2.</p> <p>M2. The <i>NYISO</i> certified that all applicable generation owners responsible for providing <i>ICAP</i> verified the net dependable capacity of their equipment and reported these results to the <i>NYISO</i> as specified by <i>NYISO</i> procedures and schedules under Measurement C-M1, in accordance with R3.</p> <p>M3. The <i>NYISO</i> certified that all applicable generation owners performed tests to verify the reactive power capacity for their generators, and reported these test results to the <i>NYISO</i> as specified by <i>NYISO</i> procedures and schedules under R2, in accordance with R4.</p>
<p>2. Levels of Non-Compliance</p>	<p>For Measure 1 Level 1: Not applicable.</p>

	<p>Level 2: Documentation of NYISO procedures for resource capacity equipment testing did not meet R1 and R2 requirements in one or more areas.</p> <p>Level 3: The NYISO did not provide capacity data to the Transmission Owners within the time requirements specified in R1 and R2.</p> <p>Level 4: Documentation of NYISO procedures for resource capacity equipment testing in accordance with R1 and R2 requirements were not provided.</p> <p><u>For Measure 2</u></p> <p>Level 1: The NYISO certified that one generation owner did not submit complete verified dependable net capacity test results to the NYISO as required by NYISO procedures and R3.</p> <p>Level 2: The NYISO certified that two generation owners did not submit complete verified dependable net capacity test results to the NYISO as required by NYISO procedures and R3.</p> <p>Level 3: The NYISO certified that three generation owners did not submit complete verified dependable net test results to the NYISO as required by NYISO procedures and R3.</p> <p>Level 4: The NYISO certified that four or more generation owners did not submit complete verified dependable net capacity test results to the NYISO as required by NYISO procedures and R3.</p> <p><u>For Measure 3</u></p> <p>Level 1: The NYISO certified that one or more generation owners failed to submit test results to the NYISO on schedule.</p> <p>Level 2: The NYISO certified that generator reactive power capacity verification testing reports were incomplete in one or more areas for one or more generator owners, as specified by NYISO procedures.</p> <p>Level 3: Not applicable.</p> <p>Level 4: The NYISO certified that generator reactive power capacity verification tests was either not completed, or testing results not provided to the NYISO, as specified by NYISO procedures and schedules, for one or more generator owners.</p>
3. Compliance Monitoring Process (See Policy 4):	
3.1 Compliance Monitoring Responsibility	<ul style="list-style-type: none"> • C-M1: RCMS • C-M2&3: Review of LSE Compliance – NYISO • C-M2&3: Review of NYISO Certification of LSE Compliance – RCMS
3.2 Reporting Frequency	<ul style="list-style-type: none"> • C-M1: In accordance with NYSRC Compliance Monitoring Program schedules. • C-M2: Annually • C-M3: Annually
3.3 Compliance Reporting Requirements	<ul style="list-style-type: none"> • C-M1: NYISO Self-Certification. • C-M2: NYISO Certification of GO compliance. • C-M3: NYISO Certification of GO compliance.

8. Implementation Plan	This Reliability Rule will be implemented in accordance with the NYSRC <i>Rules Enhancement Plan</i> .
9. Comments	
10. Date Reliability Rule Adopted	
11. REP PRR Revision Dates	11/9/13, 3/10/14