

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.	PRR REP-10
4. Number and Title of Proposed Reliability Rule	F-R2 Underfrequency Load Shedding
5. Section A – Reliability Rule Elements	
1. Reliability Rule	<u>Following a major emergency the NYISO shall have the capability to shed load rather than risk an uncontrolled system failure.</u>
2. Associated NERC & NPCC Standards and Criteria	NERC EOP-003-2 – Load Shedding Plans NPCC Directory 2 – Emergency Operations
3. Applicability	NYISO
6. Section B – Requirements	
Requirements	<p>R1. Load Shedding Allocation In the event that the frequency decline is so rapid as to prevent operator action, automatic facilities shall achieve <i>load shedding</i> without regard for transmission loadings. <i>Load shedding</i> allocation procedures shall be developed which meet the requirements of the NPCC Underfrequency Load Shedding Guides.</p> <p>The NYCA must be capable of shedding at least 50 percent of its <i>load</i> in ten (10) minutes or less. Insofar as practical, the first half of the <i>load</i> shed manually should not include that <i>load</i> which is part of any automatic <i>load shedding</i> plan.</p> <p>If frequency is still declining below 58.5 Hz, all transmission systems shall take such steps as are necessary, including separating units to preserve <i>generation</i>, minimize damage and service interruption.</p> <p>R2. The NYISO shall maintain procedures and systems that ensure that sufficient <i>load shedding</i> capability exists for both manual and automatic response. The NYISO must notify the NYSRC of any changes to these procedures and systems.</p> <p>R3. Each <i>transmission owner</i> shall report to the NYISO the amount of <i>load</i> that is expected to be shed through automatic and manual <i>load shedding</i>, coincident with the <i>peak load</i> of its transmission district in accordance with NYISO procedures. The NYISO shall annually report compliance of this requirement to the NYSRC.</p>

7. Section C – Compliance Elements	
1. Measures	<p>M1. The NYISO maintained procedures for ensuring that sufficient load shedding capability exists in accordance with Measurement F-M3. These procedures included transmission owner reporting requirements (see F-M4) and the conduct of NYISO analyses to ensure that sufficient load shedding is available to meet the load shedding requirements.</p> <p>M2. The NYISO certified that each transmission owner has submitted appropriate load shedding documentation in accordance with NYISO procedures, and as required under Measurement F-M3, ensured that sufficient automatic and manual load shedding is available to meet NYISO requirements.</p>
2. Levels of Non-Compliance	<p><u>For Measure 1</u></p> <p>Level 1: Not applicable.</p> <p>Level 2: Procedures for ensuring that sufficient load shedding capability exists were provided, but were incomplete in one or more areas.</p> <p>Level 3: The required procedures were complete; however, analyses to ensure that sufficient load shedding is available were incomplete.</p> <p>Level 4: The required procedures were not provided.</p> <p><u>For Measure 2</u></p> <p>Level 1: The NYISO certified that load shedding documentation was submitted from all transmission owners, but was incomplete in one or more areas for one or two transmission owners.</p> <p>Level 2: The NYISO certified that load shedding documentation was submitted from all transmission owners, but was incomplete in one or more areas for three or more transmission owners.</p> <p>Level 3: The NYISO certified that load shedding documentation was not provided by one or two transmission owners.</p> <p>Level 4: The NYISO certified that load shedding documentation was not provided by more than three transmission owners.</p>
3. Compliance Monitoring Process (See Policy 4):	
3.1 Compliance Monitoring Responsibility	<p>M1: Review of NYISO Compliance Documentation - RCMS</p> <p>M2: Review of Market Participant Compliance Documentation - NYISO</p> <p>M2: Review of NYISO Certification of Generation Owner Compliance - RCMS</p>
3.2 Reporting Frequency	<p>M1: In accordance with NYSRC Compliance Monitoring Program schedules.</p> <p>M2: Annually</p>
3.3 Compliance Reporting Requirements	<p>M1: NYISO Self-Certification. This may be supplemented, if determined by the NYSRC, by audits or other information specified by the NYSRC Compliance Monitoring Program or other requirements determined by the NYSRC.</p> <p>M2: NYISO Self Certification.</p>
8. Implementation Plan	This Reliability Rule will be implemented in accordance with the NYSRC <i>Rules Enhancement Plan</i> .

9. Comments	The above reformatted Reliability Rule F-R2 and Requirements R1 through R3 include existing Reliability Rule F-R8 and Measurements F-M3 and F-M4.
10. Date Reliability Rule Adopted	
11. REP PRR Revision Dates	2/4/14, 3/6/14