Request to Develop or Modify Reliability Rules and Requirements (NYSRC Policy No. 1-11)
Submit request to Herb Schrayshuen (herb@poweradvisorsllc.com) via the NYSRC site www.nysrc.org

Item	Information
1. PRR No. & Title of Reliability Rule or Requirement change	**PRR 154a:** Unavailability of generating units due to gas shortage
2. Rule Change Requester Information	
Name	**RRS**
Organization	**NYSRC**
3. New rule or revision to existing rule?	Revision to B.1 - Transmission System Planning Performance Requirements, R1 - Transmission facilities in the NYS Bulk Power System shall be planned to meet the respective performance requirements in Table B-1 and supplemental performance requirements in Table B-2 for the contingency events as specified in Table B-1.
4. Need for rule change, including advantages and disadvantages	Extreme system conditions defined in NYSRC Reliability Rules, Table B-3 currently include generator fuel shortage under normal weather peak conditions. As New York becomes a winter peaking system, the gas supply to electric generation plants is expected to be strained. To maintain reliability in the future, New York's grid should be designed to withstand gas shortages during forecasted winter peak conditions. Specifically, Requirement R1.1 of Rule B.1 should be modified to specify that non-firm (contractually interruptible) gas generation unavailability during forecasted winter peak is included in credible combinations of system conditions applicable to Design Contingencies in Table B-1. With this change the extreme system conditions specified in Table B-3 are clarified to include the unavailability of all gas facilities, regardless of firm (contractually non-interruptible) or non-firm (contractually interruptible) gas service. The advantage of this change for system reliability is that it will better align with expected gas plant availability under winter peak conditions. There are no disadvantages.
5. Related NYSRC rules	B.1 - Transmission System Planning Performance Requirements
6. Section A – Reliability Rule Elements	
1. Reliability Rule	B.1 Transmission facilities in the *NYS Bulk Power System* shall be planned to operate reliable over a broad spectrum of system conditions and following a wide range of contingencies
2. Associated NERC & NPCC Standards and Criteria	NERC TPL-001, NPCC Directory 1
3. Applicability	NYISO
7. Section B – Requirements	R1. Transmission facilities in the *NYS Bulk Power System* shall be planned to meet the respective performance requirements in Table B-1 and supplemental performance requirements in Table B-2 for the *contingency* events as specified in Table B-1. R1.1. Credible combinations of system conditions which stress the system shall be modeled, including load forecast, internal *NYCA* and inter-Area and transfers, transmission configuration, active and reactive *resources*, generation availability

<table>
<tr><td></td><td>including limitations related to weather conditions (e.g., non-firm gas generation unavailability during winter peak), and other dispatch scenarios. All reclosing facilities shall be assumed in service unless it is known that such facilities will be rendered inoperative.

Table B-3
<table>
<tr><td>Category</td><td>Contingency Events</td><td>Fault Type (permanent) and/or condition applied</td><td>Performance Requirements</td></tr>
<tr><td>Extreme System Conditions</td><td>Contingency events listed in Table 1, Category I, Single Event</td><td>Generating unit(s) fuel shortage (e.g., unavailability of all NYCA gas generation or low hydro) under normal weather peak conditions</td><td>No changes</td></tr>
</table></td></tr>
<tr><td></td><td></td></tr>
<tr><td></td><td></td></tr>
<tr><td>8. Section C – Compliance Elements</td><td></td></tr>
<tr><td>1. Measures</td><td>No change</td></tr>
<tr><td>2. Levels of Non-Compliance</td><td>No change</td></tr>
<tr><td>3. Compliance Monitoring Process (See Policy 4):</td><td>No change</td></tr>
<tr><td>3.1 Compliance Monitoring Responsibility</td><td>No change</td></tr>
<tr><td>3.2 Reporting Frequency</td><td>No change</td></tr>
<tr><td>3.3 Compliance Reporting Requirements</td><td>No change</td></tr>
<tr><td></td><td></td></tr>
<tr><td>9. Comments</td><td>The extreme system condition of generating unit(s) fuel shortage (e.g., gas supply adequacy or low hydro) under normal weather peak conditions) is proposed to be more specific and be evaluated with the unavailability of all gas generation. The revision to R1.1 will allow for the inclusion of the credible system condition of the unavailability of non-firm gas under winter peak conditions.</td></tr>
<tr><td></td><td></td></tr>
<tr><td>10. Date Rule Adopted</td><td></td></tr>
<tr><td></td><td></td></tr>
<tr><td>11. PRR Revision Dates</td><td>10-26-23, 12-11-23, 1-24-24, 2-22-24, 2/29/24, 3/8/24</td></tr>
<tr><td>12. Implementation Plan</td><td>Pending rule approval by May 2024, the proposed rule revisions will be first implemented by the NYISO in the 2024 RNA, 2024-Q3 STAR, and the 2025-2034 CRP. The rule revisions will be implemented in the NYISO interconnection process following the 2025-2034 CRP (i.e., 2026).</td></tr>
</table>