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 154:** Peak load resulting from extreme weather and generating unit fuel shortage under expected weather
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 are currently included in NYSRC Reliability Rules, Table B-3 as separate conditions covering: 1) peak load conditions due to extreme weather; 2) generator fuel shortage under normal weather peak conditions. It is proposed to make these system conditions applicable to Design Contingencies in Table B-1, Category I contingencies in recognition of the potential for extreme weather conditions in NYCA. The advantage of this change for system reliability is that it will properly represent the effect of climate change during which Category I contingencies can also occur. 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-01, 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 under both expected and extreme weather, internal *NYCA* and inter-Area and transfers, transmission configuration, active and reactive *resources*, generation availability commensurate with the load forecast and weather conditions (*i.e.*, gas shortages under 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. R1.2. Normal transfer criteria shall be utilized when assessing the system for

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	expected weather. When assessing peak load conditions from extreme weather the NYISO shall utilize emergency transfer criteria. Table B-3 ~~Category~~ / ~~Contingency Events~~ / ~~Fault Type~~ / ~~Performance Requirements~~ ~~Extreme System Conditions~~ / ~~Contingency events listed in Table 1, Category I, Single Event~~ / ~~Peak load conditions resulting from extreme weather. Generating unit(s) fuel shortage (e.g., gas supply adequacy or low hydro) under normal weather peak conditions~~ / ~~i(b, c), ii, iii i(c), ii, iii~~
8. Section C – Compliance Elements	
1. Measures	No change
2. Levels of Non-Compliance	No change
3. Compliance Monitoring Process (See Policy 4):	No change
3.1 Compliance Monitoring Responsibility	No change
3.2 Reporting Frequency	No change
3.3 Compliance Reporting Requirements	No change
9. Comments	**The extreme system condition of peak load conditions resulting from extreme weather and generating unit(s) fuel shortage (*e.g.*, gas supply adequacy or low hydro) under normal weather peak conditions) will be removed from Table B-3 where they are currently listed.**
10. Date Rule Adopted	
11. PRR Revision Dates	10-26-23, 12-11-23, 1-24-24

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