

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 153: Sudden loss of fuel delivery system
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	<p>Sudden loss of fuel delivery system to multiple plants is currently included as an Extreme Contingency in NYSRC Reliability Rules Table B-3. <u>This rule is proposing to add design criteria contingencies of (1) the sudden loss generation due to weather, and (2) the loss of gas fuel to a plant for a common-mode failure of the fuel delivery system. Extreme contingency 10 in Table B-3 (sudden loss of a fuel delivery system to multiple plants) would also be revised to clarify applicability to fossil-based generation. It is proposed to make these design criteria contingencies in Table B-1, Category I and Category II contingencies.</u></p> <p><u>The proposed contingency for the sudden loss of generation due to weather is based on the burgeoning development of wind and solar resources in NYCA. The advantage of this change for system reliability is that it will properly represent the variable nature of the fuel supplying these resources. The proposed contingency for the loss of fossil fuel to a plant for a common-mode failure of the fuel delivery system better aligns to risks to operations present on the system today.</u></p> <p>There are no disadvantages.</p>
5. Related NYSRC rules	B.1 - Transmission System Planning Performance Requirements
6. Section A – Reliability Rule Elements	
1. Reliability Rule	Table B.1: Category II Event - Add a new contingency 1f, Sudden Loss of Fuel Delivery System to Multiple Solar & Wind Facilities <u>Table B.1: Category I Event – add new contingency 10, the sudden loss generation due to weather and new contingency 11, loss of gas fuel to a plant for a common-mode failure of the fuel delivery system. Add category II events 1f, the sudden loss generation due to weather and 1g, loss of gas fuel to a plant for a common-mode failure of the fuel delivery system.</u>
2. Associated NERC & NPCC Standards and Criteria	
3. Applicability	
7. Section B – Requirements	

Deleted: to multiple solar & wind plants

Deleted: It is proposed to make this a Design Contingency for renewable resources in Table B-1, Category II contingencies. The proposed contingency for the sudden

Deleted: This change

Deleted: long-term wind and/or solar lulls during which Category I contingencies can also occur. ...

Requirements	Table B-1			
	<u>Category</u>	<u>Contingency Events</u>	<u>Fault Type</u>	<u>Performance Requirements</u>
	I	10. Sudden loss generation due to weather and new contingency	No fault	No change from table B-1
		11. Loss of gas fuel to a plant for a common-mode failure of the fuel delivery system	No fault	No change from table B-1
	II	1f. Sudden loss generation due to weather	No change from table B-1	No change from table B-1
		1g. Loss of gas fuel to a plant for a common-mode failure of the fuel delivery system	No change from table B-1	No change from table B-1
	Table B-3			
	<u>Category</u>	<u>Contingency Events</u>	<u>Fault Type</u>	<u>Performance Requirements</u>
	Extreme Contingency	10. Sudden loss of fuel delivery system to multiple fossil plants (e.g., gas pipeline contingencies)	No change from table B-3	No change from table B-3
	8. Section C – Compliance Elements			
1. Measures				
2. Levels of Non-Compliance				
3. Compliance Monitoring Process (See Policy 4):				
3.1 Compliance Monitoring Responsibility				
3.2 Reporting Frequency				
3.3 Compliance Reporting Requirements				
9. Comments				
10. Date Rule Adopted				
11. PRR Revision Dates	10/26/23			