

**Request to Develop or Modify Reliability Rules and Requirements (NYSRC Policy No. 1-11)**

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Item	Information
<b>1. PRR No. &amp; Title of Reliability Rule or Requirement change</b>	PRR 147 NYSRC Resource Adequacy Criterion
<b>2. Rule Change Requester Information</b>	
Name	RRS
Organization	
<b>3. New rule or revision to existing rule?</b>	Revision
<b>4. Need for rule change, including advantages and disadvantages</b>	To clarify that the NYSRC Resource Adequacy LOLE Criterion applies to all resource capacity probability assessments, including resource adequacy analyzes (see related PRR 145) and IRM requirement studies. See Section 10, Conclusions.
<b>5. Related NYSRC rules</b>	A.2, A.3
<b>6. Section A – Reliability Rule Elements</b>	
1. Reliability Rule	<b>A.1</b> <b>An Installed Reserve Margin (IRM) requirement for the NYCA for each Capability Year shall be established.</b>
2. Associated NERC & NPCC Standards and Criteria	NPCC: Directory 1 NERC: None
3. Applicability	NYSRC
<b>7. Section B – Requirements</b>	
Requirements	<p><u>R1. All probabilistic resource capacity requirement analyzes conducted by the NYSRC and NYISO, including resource adequacy evaluations and the establishment of the NYCA Installed Reserve Margin (IRM) requirement, shall meet the NYSRC Resource Adequacy Criterion in R1.1.</u></p> <p><b><u>R1.1 NYSRC Resource Adequacy Criterion</u></b></p> <p><u>The loss of load expectation (LOLE) of disconnecting firm load due to resource deficiencies shall be, on average, no more than 0.1 day per year. LOLE evaluations shall make do allowance for demand uncertainty, scheduled outages and deratings, forced outages and deratings, assistance over interconnections with neighboring control areas, NYS Transmission System emergency transfer capability, and capacity and/or load relief from available operating procedures.</u></p> <p><b>R24.</b> The NYSRC shall annually perform and document an analysis to calculate the NYCA Installed Reserve Margin (IRM) requirement for the following Capability Year. The IRM analysis shall:</p>

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	<p><b>R21.1</b> Probabilistically establish the IRM requirement for the NYCA <u>in accordance with the NYSRC Resource Adequacy Criterion in R.1.1. such that the loss of load expectation (LOLE) of disconnecting firm load due to resource deficiencies shall be, on average, no more than 0.1 days per year. This evaluation shall make due allowances for demand uncertainty, scheduled outages and deratings, forced outages and deratings, assistance over interconnections with neighboring control areas, NYS Transmission System emergency transfer capability, and capacity and/or load relief from available operating procedures.</u></p> <p><b>R21.2</b> Utilize the methodology and modeling parameters for establishing NYCA IRM requirements and a timeline for the study process, as described in NYSRC Policy 5 "Procedure for Establishing NYCA Installed Capacity Requirements."</p> <p><b>R21.3</b> Prepare a technical report documenting the assumptions, models, methodology and results of the IRM Study.</p>
<b>8. Section C – Compliance Elements</b>	Revise Measure Numbers to reflect Requirement number changes in Section 7.
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	
<b>9. Implementation Plan</b>	The Requirement revisions in this PRR shall be adopted immediately following Executive Committee approval of PRR 147.
<b>10. Comments</b>	Revised <b>A.3:</b> R1 & R2 in PRR 145 references the revised <b>A.1:</b> R1.1 in this PRR; and therefore PRRs 145 and 147 should be adopted together.
<b>11. Date Rule Adopted</b>	
<b>12. PRR Revision Dates</b>	11/25/19, 12/16/19

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