

**New York State
Reliability
Council**

*2021 Reliability
Rules
Subcommittee
Report*

February 23, 2022



NYSRC 2021 Reliability Rules Subcommittee Report

Introduction

The Reliability Rules Subcommittee (“RRS”) manages the review, development, and modification of the NYSRC Reliability Rules to maintain or enhance the reliability of the NYS Bulk Power System. Reliability is monitored in accordance with the NYSRC and NYISO/NYSRC Agreements, NYSRC Policy 1, *Procedure for Reviewing, Modifying, and Disseminating NYSRC Reliability Rules*, and other processes and procedures established by the NYSRC Executive Committee. RRS is an open subcommittee whose meetings are open to all interested parties who wish to attend. Meetings are publicly posted on the NYSRC website.

The responsibilities of RRS include:

1. Recommend to the NYSRC Executive Committee processes and procedures, including Policy 1 revisions, for reviewing, developing, and modifying the NYSRC Rules.
2. Consider requests by the Executive Committee for development of new Reliability Rules or modifications of existing Reliability Rules, and recommend to the Executive Committee whether such requests should be accepted or denied.
3. For those Reliability Rule change requests approved by the Executive Committee, recommend to the NYSRC Executive Committee Reliability Rule additions or modifications. The process of developing new reliability rules and modifying existing rules, when the change is intended to enhance reliability, should consider the economic and environmental implications of the proposed rule change.
4. When requested by the Executive Committee, review and comment on requests for exceptions to the Reliability Rules¹.
5. Recommend to the NYSRC Executive Committee revisions to the NYSRC Reliability Rules Manual when appropriate.
6. Conduct self-assessments of the NYSRC Rules to ensure consistency with NERC and NPCC standards and criteria.
7. Participate in NPCC, NERC, or other related open processes for developing and approving new reliability standards or modifications of existing standards. Review and comment on proposed standards, when appropriate. Address issues associated with the potential impact of proposed NPCC, NERC, or other standards on New York Control Area reliability.
8. Maintain a data base for the tracking of new and revised NERC and NPCC standards and criteria.

¹ Includes removal of and modification to existing Exceptions

9. Review Reliability Rule disputes and recommend potential solutions to the NYSRC Executive Committee.

10. Prepare and submit status reports requested by the NYSRC Executive Committee. Also prepare, on request, reports for the NYSRC Executive Committee to disseminate to FERC and the PSC.

11. Review system operations trending information collected by the Reliability Compliance Monitoring Subcommittee (RCMS) when requested by the Executive Committee or RCMS.

12. Develop interpretations of the Reliability Rules when requested by the Executive Committee.

2021 Highlights

NYSRC Reliability Rules and Compliance Manual

The initial NYSRC rules, adopted in 1999, were based on former New York Power Pool criteria. Since then, these rules have been revised numerous times to reflect the need for: new and modified NYSRC rules; NERC and NPCC standards; and criteria changes.

The NYSRC has always worked towards improving its Reliability Rules by introducing new Rules, revising existing Rules and retiring existing Rules when appropriate. Potential Reliability Rule (PRR) changes are considered by RRS to ensure that the NYSRC Reliability Rules and related requirements are consistent with, or more specific, or more stringent than the corresponding NERC and NPCC reliability standards and criteria.

2021 New & Revised NYSRC Reliability Rules

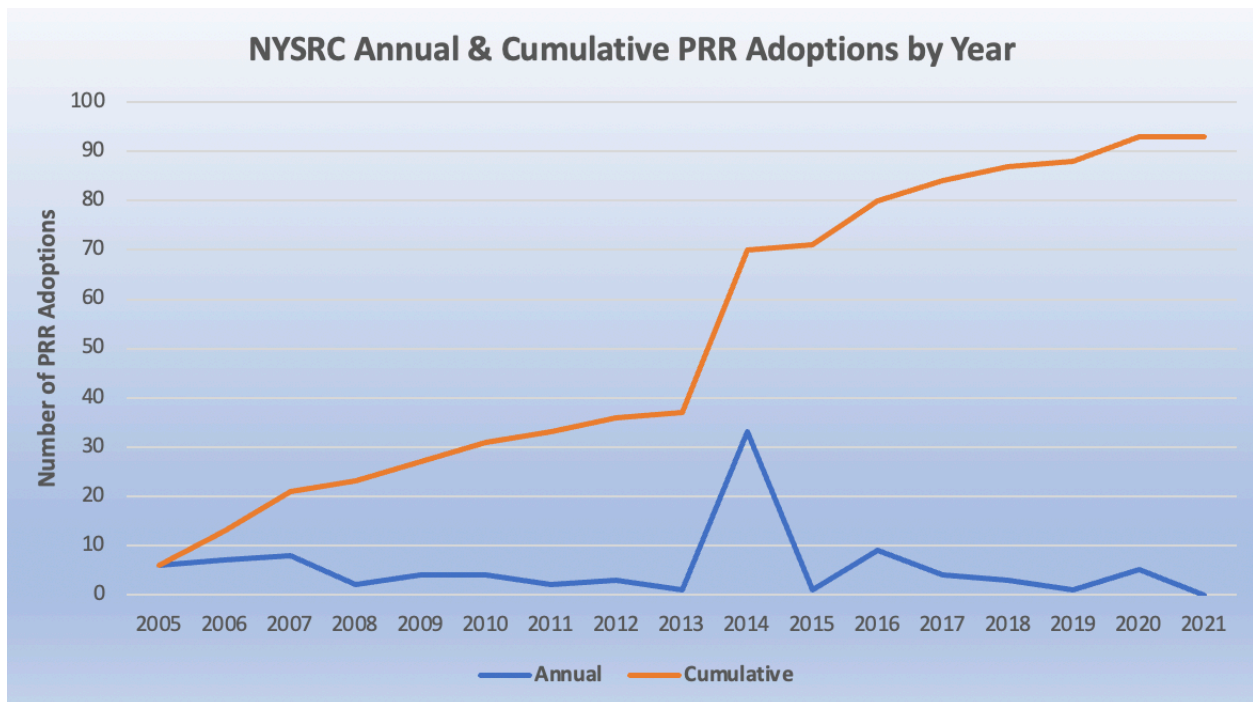
There were no new or revised Reliability Rules considered in 2021. Recission of NYSRC Exception #8 following retirement of Indian Point #3 and development of a new Glossary term for definition of Emergency Transfer Limit were approved.

RRS continued to monitor issues potentially affecting NYCA long-term reliability including:

- National and regional reports and conferences
 - FERC Technical Conference “Climate Change, Extreme Weather & Electric System Reliability”
 - EPRI “Exploring the Impacts of Extreme Events, Natural Gas Fuel & other Contingencies on Resource Adequacy” Report
 - EPRI project “Resource Adequacy for a Decarbonized Future”
 - NYSDPS/NYSERDA “Zero Emissions Electric Grid in New York in 2040” Report, January 19, 2021
 - NERC 2021 Reliability Leadership Summit Forum
 - NERC 2021 Probabilistic Analysis Forum’s presentation “Clarifying the Interpretation & Use of the LOLE Resource Adequacy Metric”

- DER & IBR Initiatives
 - IEEE P2800 “Standard for Interconnection & Interoperability of Inverter-Based Resources Interconnecting with Associated Transmission Electric Power Systems”
 - NPCC DER Guidance Document “Distributed Energy Resources (DER) Considerations to Optimize & Enhance System Resilience & Reliability”
- NYS Climate Action Committee
 - Participation in NYSRC presentation to CAC – Reliability Challenges in Meeting CLCPA Requirements
- NYISO’s 2021-2030 Comprehensive Reliability Plan – Wind Lull Scenario
- Lessons Learned
 - ERCOT May/June 2021 Odessa PV Disturbances
 - ERCOT February 2021 Cold Weather Disturbances
 - CAISO August 2020 Heat Wave Resource Adequacy Disturbances
- Development of 2022 NYSRC Goals & Actions – Appendix 1

The annual and cumulative adoption of Potential Reliability Rules by NYSRC through 2021 is shown below.



Conclusions

The Reliability Rules Subcommittee reached the following conclusions with regard to its 2021 activities:

1. NYISO Staff continued to provide timely and valued assistance to RRS during 2021.

2. RRS considers that the NYCA Bulk Power System will experience significant operating and transmission planning challenges in the next decade with the ongoing retirement of NYCA fossil and nuclear resources and with a corresponding increase in renewable resources and with extreme weather conditions.
3. RRS continues to monitor current and predicted reliability trends in the NYCA BPS with the goal of developing new, revised or retirement of individual Reliability Rules.
4. No PRRs were adopted by the Executive Committee in 2021. The average PRR adoption rate since NYSRC inception is 5.8 PRRs per year and the cumulative total of adopted PRRs is 93.
5. RRS provides an active technical forum for discussion of NYS reliability matters. All parties including New York State DPS staff, Transmission Owners, Developers, the public and NYISO staff have a platform to develop new or revised Reliability Rules, and continue to do so in a collegial and cooperative manner.