



Manual 12

Transmission and Dispatch Operations Manual

Issued: December 2021

2.1.5. Applications of the Reliability Rules

Prior to the NYISO startup, the Applications of the Reliability Rules (Applications) were existing operating procedures and local rules implemented by the Transmission Owners in New York. The Applications of the NYSRC Reliability Rules were assembled from these procedures and acknowledged by the NYSRC. The Applications are implemented through procedures that apply to very specific system locations or conditions in New York.

As a threshold matter, please note that the NYISO's Tariffs implement certain Reliability Rules directly. The implementation of the Applications of the Reliability Rules will continue to require close coordination between the transmission owners and the NYISO in order to maintain the reliability of the NYS Power System. The Transmission Owners (TO) must continue to coordinate with the NYISO on the implementation of Applications of the Reliability Rules for those portions of the New York State Transmission System ("NYS Transmission System") not included in the NYISO Controlled Transmission System.

The NYISO oversees compliance with the Reliability Rules for the New York State Power System. The NYISO performs periodic compliance reviews to determine whether the TOs are continuing to apply the Applications to a specific local area. The Annual NYSRC Compliance Program determines the frequency and schedule for the compliance reviews.

Transmission Owner Responsibilities

The TOs are responsible for implementing the Applications of the Reliability Rules for those portions of the NYS Power System that are not included in the NYISO Controlled Transmission System. Implementation of certain Applications of the Reliability Rules must be coordinated with the NYISO where the NYISO lacks the necessary analysis and/or monitoring capabilities.

The TOs shall maintain procedures to implement the Applications. Any new or revised procedure developed or modified by the TO shall be provided to the NYISO Staff for review and approval.

A Transmission Owner may define new or modified Applications of the Reliability Rules. New or modified Applications of the NYSRC Reliability Rules, proposed by a Transmission Owner are subject to review and approval by the NYISO Staff.

NYISO Responsibilities

The NYISO shall maintain the Applications of NYSRC Reliability Rules and make them in a table posted on the NYISO's website. The NYISO will review these Applications with the TOs periodically and update the table of Applications as necessary.

The NYISO Staff shall review and approve any modified or newly proposed Applications of the Reliability Rules. Following approval, the NYISO shall notify the NYSRC and revise the table of TO Applications.

The NYISO may also propose revisions to or additional Applications of the Reliability Rules. The NYISO will work closely with the Transmission Owner to develop and implement these Applications.

The NYISO shall also review and approve any new or revised procedures developed by the TO associated with an Application.

Changes to the TO Application of Reliability Rules

The following process will be used to define new Applications of Reliability Rules or modification of existing Applications of the Reliability Rules:

1. The following entities can define new Applications of the Reliability Rules or modify existing Applications of the Reliability Rules:
 - NYISO
 - NY Transmission Owners
2. Applications of the Reliability Rules proposed by the TOs shall be referred to the NYISO for approval.
3. Once the NYISO concurs, it shall take two actions:
 - Include them in the next version of the NYISO Transmission and Dispatching Operations Manual, and Advise the NYSRC.
4. The NYSRC shall post the updated Applications of the Reliability Rules on its web site.

Any incremental uplift costs incurred to meet Applications of the Reliability Rules shall be recovered by the NYISO through a statewide uplift charge if the Application secures a facility within the NYISO Controlled Transmission System. Applications of the Reliability Rules may apply to facilities that are not included in the NYISO Controlled Transmission System, but are implemented by the NYISO at the TO's request. Incremental uplift costs associated with such Applications shall generally be borne by the Load Serving Entities in the Zone or Zones of the TO(s) making the request.

The Application of the Reliability Rules and the associated cost allocations are listed in [Table B.5](#) of this Manual.

2.1.6. NYSRC Local Reliability Rules

Local Reliability Rules (LRR) are a specific set of five rules defined in the New York State Reliability Rules and are maintained by the New York State Reliability Council (NYSRC). They apply to New York City (G.1 and G.2), and Long Island (G.3).

- G.1 New York City System Operations

G.2 Loss of Gas Supply – New York City

G.3 Loss of Gas Supply – Long Island

Transmission Owner LRR Responsibilities

The Transmission Owners are required to maintain procedures to comply with each NYSRC LRR. These procedures shall contain operational parameters that are developed based on studies performed by the TO. The NYSRC Reliability Rules require the NYISO to review and approve any updates to procedures or studies associated with the NYSRC LRRs.

The TO will notify the NYISO when actions are taken in accordance with these procedures.

The TO will provide the date, time and description of actions implemented by the TO in accordance with these procedures to the NYISO when requested.

At times, TOs may propose modifications to the NYSRC LRRs or other Reliability Rules. Any proposed change to a Reliability Rule is required to be presented to the NYSRC for consideration by the NYSRC through the Reliability Rules development process. (See the appropriate NYSRC Policy at <http://nysrc.org/policies.html>)

NYISO LRR Responsibilities

The NYISO Staff will review any new or revised procedures developed by the TO associated with the NYSRC LRRs. The NYISO will submit the date, time and description of the actions implemented by the TO in accordance with these procedures, as provided by the TO, to NYSRC upon request.

The NYISO Operating Committee (OC) is responsible for review and approval of any operational parameters necessary to implement the Application associated with NYSRC LRRs.

The OC may require review and approval of any study or analysis that was completed to justify new or modifications of existing operational parameters.

The NYISO will post the Applications associated with all Local Reliability Rules in the table of Applications of the Reliability Rules on the NYISO's website (see [Table B.5](#)).

The LRRs of the New York TOs are listed in [Table B.4](#) of this Manual.

2.2. NYISO, Transmission Owner, and Generator Owner Responsibilities and Authorities

The following defines the responsibilities and authorities assigned to the NYISO, TOs, Distribution Providers and Generator Owners.

4. Maintain the NYISO Controlled Transmission System in Normal State based upon reliability criteria, and declare Warning, Alert, Major Emergency, and Restorative States for the NYISO Controlled Transmission System.
5. Exercise Operational Control over certain facilities of the NYS Power System under normal operating conditions and system Emergencies to maintain system reliability. For the NYISO Controlled Transmission System, maintain appropriate flows and voltage levels during normal operations and order adjustments to be made under emergency conditions.
6. In the event of, or to prevent, a Major Emergency State, Eligible Customers shall comply with all directions from the NYISO concerning the avoidance, management, and alleviation of the Major Emergency and shall comply with all procedures concerning Major Emergencies set out in the NYISO Procedures and the Reliability Rules.
7. Under adverse conditions (as defined above), the NYISO will direct the adjustment of Generator output levels in certain areas of the NYS Power System to reduce power flows across the vulnerable transmission lines to reduce the likelihood of a major power system disturbance. The NYISO shall have the authority to declare that adverse conditions are imminent or present and invoke the appropriate operating procedure(s) affecting the NYS Power Systems under NYISO control in response to those conditions.
8. Maintain the safety and short-term reliability of the NYS Power System.
9. Coordinate NYS Power System equipment outages and maintenance.
10. Approve maintenance schedules for Transmission Facilities under NYISO Operational Control based on approved criteria.
11. Coordinate the scheduling and dispatch of dual participating resources with TOs

2.2.6. Transmission Owner Responsibilities and Authorities

The primary responsibilities and authorities of each TO are as follows:

1. Implement the Reliability Rules for those portions of the NYS Transmission System not included in the NYISO Controlled Transmission System.
2. Coordinate with the NYISO to implement certain applications to the Reliability Rules where the NYISO lacks the necessary expertise and/or monitoring capabilities.
3. Physically maintain and operate [Table A.1](#) facilities under direction and control of the NYISO to assure secure operation of the NYISO Controlled Transmission System.
4. Comply with maintenance schedules coordinated by the NYISO for [Table A.1](#) facilities.
5. Recommend activation of applicable procedures for adverse conditions associated with a Local Reliability Rule to the NYISO. The TO and the NYISO shall coordinate implementation of the procedures that impact [Table A.1](#) facilities.
6. Notify NYISO prior to any planned outage and notify the NYISO of any change in status of [Table A.1](#) facilities requiring NYISO notification.
7. Physically maintain and operate [Table A.1](#) facilities requiring NYISO notification.

8. Operate Local Area Transmission System Facilities, provided it does not compromise the reliable and secure operation of the NYS Transmission System.
9. Promptly comply, to the extent practical, with a request from the NYISO to take action with respect to coordination of the operation of its Local Area Transmission System facilities.
10. Take action with respect to the operation of its facilities, as it deems necessary to maintain Safe Operations. Promptly conduct investigations of equipment malfunctions and failures, significant forced transmission outages, and provide a report of such investigations to the System Protection Advisory Subcommittee.
11. Determine the level of resources to be applied to restore facilities to service following a failure, malfunction, or forced transmission outage.
12. Each TO shall continue to receive telemetry from existing Generators in its control center and provide for the receipt of such information from new Generators.
13. Establish System Operating Limits (SOL), consistent with NYISO SOL methodology, as required by NERC FAC-011, for those portions of the NYS Transmission System not included in the NYISO Controlled Transmission System in accordance with the Transmission Owner SOL methodology set forth in Attachment A.7 of the *Emergency Operations Manual* (available from the NYISO Web site at <https://www.nyiso.com/manuals-tech-bulletins-userguides>).
14. Develop, maintain, and review annually with the NYISO operating plans to mitigate emergencies, including GMD events, within local Transmission Owner area.

2.2.7. Generator Owner Responsibilities

2.2.7.1. Generator Response during Reserve Activation

Dispatchable Generating Units Not Providing Regulation Service

All non-Intermittent Power Resource (IPR) units that are NOT “self-committed fixed” or “ISO-committed fixed” are expected to respond to a reserve pickup 10-minute basepoint at its emergency response rate as bid. If the unit exceeds the given basepoint within the reserve pickup, it will be paid for the overgeneration. However, the unit must return to its Real-Time Dispatch (RTD) basepoint, which will be consistent with the LBMP, within three (3) RTD intervals (approximately 15 minutes) following termination of the reserve pickup. The unit will also be paid for overgeneration during that grace period.

Generating Units Providing Regulation Service

A unit providing regulation service is expected to respond to a reserve pickup 10-minute basepoint at its stated response rates as bid. If the unit exceeds the given basepoint within the reserve pickup, it will be paid for the overgeneration. However, the unit must return to its RTD/Automatic Generation Control (AGC) basepoint, within three (3) RTD intervals following termination of the reserve pickup. The unit will be paid for overgeneration during the three (3) RTD interval grace period. Limited Energy Storage Resources (LESRs) do not participate in reserve pickups. AGC will move the LESR to zero MW.