

Request to Develop or Modify Reliability Rules and Requirements (NYSRC Policy No. 1) 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 157 Mandatory Under-Frequency Load Shedding (UFLS) Design Requirements for Large Load Facilities.
2. Rule Change Requester Information	
Name	Martin Paszek and David Allen
Organization	Con Edison and RRS Chair
3. New rule or revision to existing rule?	New Rule - Reliability Rule B-6: Integration of Large Loads into the UFLS Program
4. Need for rule change, including advantages and disadvantages	The current New York State automatic UFLS program implementation (under PRC-006 and PRC-006-NPCC) relies on individual Transmission Owners (TOs) to implement an automatic UFLS program on an island basis, with the UFLS performance attributes specified in Attachment C of PRC-006-NPCC. This includes specific percentage of load to shed at specified frequency thresholds. Historically, TOs have met these targets by utilizing wide-area distribution feeders. This "feeder-level" approach lacks precision and frequently results in the disconnection of essential community services and infrastructure—such as hospitals, police stations, and fire departments—because they are co-located on the same distribution infrastructure as residential and commercial consumers. Concurrently, there is a significant increase in large load facilities (e.g., data centers, large-scale industrial processors, etc.) entering the interconnection queue. These facilities, with limited exception, are concentrated blocks of commercial and other non-essential community services load that the Transmission Owners have not typically included in their selection of loads included in their implementation of the automatic UFLS program. In accordance with established UFLS Criteria (<i>i.e.</i>, PRC-006 and PRC-006-NPCC), at a high-level the NYISO is responsible for the design of the UFLS program in New York and the Transmission Owners are responsible for the implementation of the designed program, including the selection of specific loads or feeders for the locations of the UFLS relays. This rule change is necessary to ensure Transmission owners incorporate new large load facilities into their implementation of the UFLS program through Interconnection Agreements. By requiring new large load facilities to install automatic UFLS relaying, the grid can continue to meet the UFLS design requirements. The development of this rule should also continue to monitor large load requirements being developed through NERC efforts. Advantages New large load facilities will be aware of the requirement that they be equipped to participate in the TO's automated UFLS program while the TO's will continue to have flexibility in their specific implementation of the UFLS design requirements within and uniform statewide requirement. Protection of Public Health and Safety: Continues to prioritize the use of non-essential loads as the primary participants in the UFLS implementation by the Transmission Owners while minimizing the risk of loss to critical government and community services and infrastructure such as hospitals police, fire and other emergency and essential activities. Engineering Precision: May allow for "surgical" load shedding of concentrated MW blocks at the point of interconnection, rather than the broad, indiscriminate tripping of entire

	zip codes. Fairness in Design: Ends the "loophole" where large-scale industrial/commercial users remain energized while the community at large suffers outages to maintain system stability. <u>Disadvantages</u> If a UFLS relay is triggered, the monetary loss to new large load facilities may be significant.
5. Related NYSRC rules	Not Applicable
6. Section A – Reliability Rule Elements	
1. Reliability Rule	The NYS Bulk Power System shall be designed and planned such that large load facilities contribute to frequency stability and resilience through mandatory participation in the automatic Under-Frequency Load Shedding (UFLS) program.
2. Associated NERC & NPCC Standards and Criteria	PRC-006 and PRC-006-NPCC
3. Applicability	
7. Section B – Requirements	R1. The NYSRC shall establish statewide criteria requiring that new large load facilities greater than or equal to 25 MW be integrated into the NYCA UFLS program as a condition for interconnection provided the load does not directly serve critical and essential government and community services, such as hospitals, fire and police stations, and critical municipal infrastructure. R2. Transmission Owners shall update their technical requirements to reflect this 25 MW large load threshold or some smaller threshold, if the TO determines a lower value is needed for the local TO system to meet the NERC and NPCC standards found in PRC-006 and PRC-006-NPCC, respectively, and reflect such requirements and obligations on these large load facilities in their Interconnection Agreements in order to integrate these large load facilities into their UFLS program by requiring that the necessary autonomous Under-Frequency relaying is installed and maintained as a pre-condition of interconnection. R3. Transmission Owners shall include large load facilities by assigning them to Stage 1 (59.5 Hz) of the UFLS program, and/or any other stages of the UFLS program the TO determines to be necessary to meet the UFLS performance attributes specified in PRC-006 and PRC-006-NPCC. R4. Transmission Owners shall verify the operational readiness of these autonomous Under-Frequency relays via certified test results conducted and provided by the large load facility owner or the Transmission Owner on an annual basis.
8. Section C – Compliance Elements	
1. Measures	M1. NYSRC Criteria Documentation (Relates to R1): NYSRC shall post on its website and provide a copy of its established statewide criteria that mandates the integration of these large load facilities (≥ 25 MW) into the NYCA UFLS program to the NYISO and Transmission Owners. This documentation must explicitly state that such participation is a condition for any new interconnection and is clearly reflected in the executed Interconnection Agreement. M2. TO Technical Requirements & Agreements (Relates to R2): Each Transmission Owner (TO) shall provide evidence (such as a standard Interconnection Agreement template, a technical bulletin, or a filed Tariff change) showing that it has mandated the installation

	and maintenance of automatic Under-Frequency relaying for large load facilities; and should the TO be required to implement a megawatt threshold below the statewide 25 MW, it shall be required to provide evidence that such threshold is clearly identified in its Technical Requirements or filed Tariff. M3. UFLS Program Tables & Mapping (Relates to R3): Each TO shall provide its annual UFLS program table or mapping document to the NYISO/NYSRC. This evidence must demonstrate that identified large load facilities are assigned one or more stages of the shedding hierarchy, prioritizing them over feeders serving essential and critical government and community services. M4. Annual Verification Records (Relates to R4): Each TO shall provide a summary report or a sample of certified relay test results collected from all large load facilities required to participate in their automated UFLS program within the previous calendar year. This report shall serve as evidence that the TO is actively verifying the operational readiness of the required equipment on an annual basis.
2. Levels of Non-Compliance	TBD
3. Compliance Monitoring Process (See Policy 4):	TBD
3.1 Compliance Monitoring Responsibility	TBD
3.2 Reporting Frequency	TBD
3.3 Compliance Reporting Requirements	TBD
9. Comments	This second draft of the proposed rule aims to implement the recommendations developed by the Reliability Rules Subcommittee and the Under Frequency Load Shed Working Group in its July 30, 2025 White Paper <i>“Review of Under Frequency Load Shed Programs in Consideration of Rapidly Changing Resource Mix and Integration of Large Loads”</i> via a single Statewide implementation along with important feedback and considerations discussed at the June 4, and July 9, 2026 RRS meetings and at the June 17, 2026 Large Load Working Group.
10. Date Rule Adopted	
11. PRR Revision Dates	May 12, 2026. June 5, 2026, July 1, 2026, and July 9, 2026
12. Implementation Plan	Effective in Interconnection Agreements executed following EC Approval of this PRR.