

**NEW YORK STATE RELIABILITY COUNCIL
NERC RELIABILITY STANDARD BALLOTING SUMMARY**

Standard Topical Area	Reliability Standard Title and Standard Numbers	SAR or Standard	NYSRC in Ballot Pool?	Standard Status
Project 2026-02 Computational Loads Standards	NERC is initiating this standards project to address emerging reliability risks driven by large electrical loads—such as data centers, Artificial Intelligence (AI) compute clusters, and cryptocurrency facilities—that are connecting to the Bulk-Power System (BPS) at unprecedented speed and scale. Standards CLO-001-1, CLO-002-1, and CLO-003-1.	Standard	Yes	Comment Period: 09/9/26 - 09/18/26 Solicitation to EC/RRS: 8/20/2026

Overview for NYSRC's EC of NERC's new Computational Load Standards

NERC Project 2026-02 Computational Loads

Background

- August 19, 2026, NERC initiated a comment period through September 18, 2026, for an initial set of new standards specifically for computational loads, CLO-001, CLO-002, and CLO-003.
- NERC's August 19, 2026 announcement also included implementation plans for the three standards as well as ministerial changes to existing FAC-001-5 FAC-002-5 standards.
- FERC had directed NERC in a July 16, 2026 Order to file initial standards no later than December 31, 2026, for its review and approval.
- In the same Order, FERC directed NERC by March 1, 2027 to submit an informational filing detailing its workplan regarding its next steps in the standards development process for additional reliability standards pertaining to computational load integration.

Proposed Computational Loads Standards

- Standards apply to registered Computational Load Sites which are defined as information technology infrastructure connected to the BPS with a total connected load greater than or equal to 50 MW that are supplied at a voltage level greater than or equal to 100 kV from one or more points of connection.
- **CLO-001-1 - Computational Load Interconnection, Studies, & Modeling Data**
 - Establish interconnection requirements for Computational Load Sites, study the impact of interconnecting new or changed Computational Load Sites, and establish modeling data requirements, verification, and reporting procedures for development of planning horizon cases necessary to support analysis of the interconnected transmission system.
- **CLO-002-1 - Computational Load Operational Data and Communications**
 - Ensure that each Transmission Operator, Balancing Authority, and Reliability Coordinator has the Computational Load Site data and information it needs to plan, monitor, and assess the reliable operation of the bulk power system; to establish Interpersonal Communication capabilities at Computational Load Sites with predefined communications protocols to ensure prompt action to prevent or mitigate occurrences that adversely impact the reliability of the bulk power system.
- **CLO-003-1 - Computational Load Protection Coordination & Disturbance Monitoring**
 - Maintain the coordination of Protection Systems at Computational Load Sites and to have adequate data available from Computational Load Sites to facilitate analysis of System Disturbances.

NERC's Comments Request Form

- NERC provided separate comment forms for each of the three standards. The forms have between 5 and 6 specific questions with yes or no responses and the ability to

comment and elaborate on your response, and a final catch all request for any comments the questions may not have covered. (See attached sample form).

Discussion

- These standards are generally modeled after existing NERC standards as to structure and form. CLO-001-1 is directed towards planning, CLO-002-1 is directed at operations and CO-003-1 is directed at protection systems and coordination.
- There are no technical issues raised in the foundational standards that would affect current NYSRC reliability rules.
- Automatic UFLS for large loads will not be addressed in NERC's large load standards development program until 2028 at the earliest based on the present plan at NERC.
- The only difference (not a conflict) is that the NYSRC UFLS proposed rule covers all large load and NERC is presently focused on computational load due to bad operating experiences.
- NERC's registration plan for only computational load will limit its ability to address automatic UFLS for all large loads in the future.
- FERC and NERC have referred to these as initial standards as foundational standards, essentially meant to initially capture the newly defined computational loads/entities to ensure that the responsible entities, e.g., Transmission Owners, Reliability Coordinators, etc., have in place basic planning requirements and documentation, operations requirements and protection systems coordination to satisfy near-term needs.
- The standards have requirements for the new large loads (Computational only) also.
- The NERC Large Load working group is working on Standards Authorizations Requests for the future large load related standards.
- As noted above, FERC has requested NERC to provide an informational filing by March 1, 2027 detailing its workplan regarding next steps in the standards development process for additional reliability standards pertaining to computational load integration.
- Herb, Bob Schultz and I along with input from EC/RRS have compiled draft responses to the questions, with comments as necessary, that we will submit by the deadline of September 18, 2026.

Attachment

Project 2026-02 Computational Loads Computational Load Owner and Computational Load Site Definitions CLO-001, FAC-001, and FAC-002 Standards

Do not use this form for submitting comments. Use the [Standards Balloting and Commenting System \(SBS\)](#) to submit comments on **Project 2026-02 Computational Loads** by **8 p.m. Eastern, September 18, 2026. Eastern, Thursday, August 20, 2015**. Additional information is available on the [project page](#). If you have questions, contact Senior Standards Developer, [Laura Anderson](#) or at 404-782-1870.

Background Information

This project will address the risks posed to the Bulk-Power System (BPS) due to the emergence of new large loads (e.g., data centers, crypto mining) that are connecting to the grid at an unprecedented scale and speed. The goal of this project will be twofold and requires developing: (1) changes to the NERC Glossary of Terms to include large load entities, aligned with the proposed modifications for registration criteria in NERC's Rules of Procedure being posted in parallel path; and (2) a Reliability Standard addressing reliability issues associated with integrating these large loads onto the BPS.

[On July 16](#), FERC issued an [order](#)¹ directing NERC, under its section 215(d)(5) authority of the Federal Power Act, to “*develop and submit new or modified Reliability Standards addressing the reliability risks associated with the integration of computational loads into the Bulk-Power System.*” FERC also directed NERC to “*develop revisions to its Rules of Procedure, including registry criteria for computational load entities.*” NERC has been aggressively working toward revised registry criteria and standards development for computational loads in concert with stakeholders, and the order is directly in line with work already underway.

FERC has given NERC a December 31, 2026, deadline to complete the Reliability Standards and Rules of Procedure revisions, and a March 2027 deadline to file an action plan on next steps for future reliability standard changes.

NERC appreciates your attention to this posting and participation in the development process. An increasing number of large commercial and industrial loads are rapidly connecting to the BPS. Computational Load Sites, such as data centers (including cryptocurrency and artificial intelligence), present unique risks to the BPS. Specifically, Computational Load Sites can be large and have unique operating characteristics, growth patterns, controls, and disturbance response behaviors. These characteristics can pose

¹ [Order Directing Reliability Standard\(s\) Pertaining to Computational Load Integration](#) P1.

unique risks to the BPS, as detailed in the July 2025 NERC whitepaper, [“Characteristics and Risks of Emerging Large Loads”](#).

Existing Reliability Standards provide important precedents and framework for maintaining the reliability of the BPS, but they were not developed specifically for this type of large load with its unique characteristics. The NERC Large Loads Working Group identified gaps in existing Reliability Standards in its March 2026 whitepaper [“Assessment of Gaps in Existing Practices, Requirements, and Reliability Standards for Emerging Large Loads”](#) and recommended development of new and/or updated Reliability Standards to address the unmitigated risks to the BPS. This need was also underscored in NERC’s [Aggregated Report on NERC Level 2 Industry Recommendation: Large Load Interconnection, Study, Commissioning, and Operations](#).

Therefore, Project 2026-02 is establishing Reliability Standards to address the near-term essential actions needed to support the reliable integration of large Computational Load Sites onto the BPS. Project 2026-02 serves as a foundation to support Computational Load Site integration in a manner that supports a resilient and reliable BPS.

Proposed Reliability Standard CLO-001-1, in particular, focuses on Reliability Standard requirements associated with interconnection requirements, including commissioning, interconnection studies and coordination, and transmission planning modeling data.

The drafting team (DT) has made clarifying conforming revisions to Reliability Standards FAC-001-4 and FAC-002-4 that are modest in nature and will avoid duplicative requirements for entities. The DT has updated the Applicability section for proposed Reliability Standards FAC-001-5 and FAC-002-5: “Exclusions: For the purposes of this standard, the terms “end-user Facilities” or “third-party Facilities” excludes Computational Load Sites subject to the CLO-001 standard.”

Questions

1. Do you agree that the proposed definitions of Computational Load Site and Computational Load Owner, together with the Facility Applicability provisions, provide sufficient clarity regarding the Computational Load Site facilities and entities subject to proposed Reliability Standard CLO-001-1 and their alignment with the proposed NERC registry criteria? If you do not agree, or if you agree but have comments or suggestions, please provide your recommendation(s) for the DT.

☐ Yes
☐ No

Comments:

2. Do you agree that the Functional Entity Applicability for the proposed Reliability Standard CLO-001-1 includes entities that may be involved in the interconnection, data sharing, commissioning, or studies of Computational Load Sites? If you do not agree, or if you agree but have comments or suggestions, please provide your recommendation(s) for the DT.

☐ Yes
☐ No

Comments:

3. The DT has developed proposed Reliability Standard CLO-001-1, Requirements R1 - R11, to address the following near-term essential actions identified to be addressed in the Standard Authorization Request (SAR): data sharing (for planning); interconnection process and requirements; interconnection studies and modeling; and commissioning.

3(a). Do you agree that proposed Reliability Standard CLO-001-1, Requirements R1 - R3, address the following near-term essential actions identified to be addressed in the SAR: interconnection process and requirements; and commissioning? If not, or if you agree but have comments or suggestions, please suggest alternate language for the DT's consideration and provide appropriate justification.

☐ Yes
☐ No

Comments:

3(b). Do you agree that proposed Reliability Standard CLO-001-1, Requirements R4 – R7, address the following near-term essential actions identified to be addressed in the SAR: interconnection process and requirements; and interconnection studies and modeling? If you do not agree, or if you agree but have comments or suggestions, please

suggest alternate language for the DT's consideration and provide appropriate justification.

- ☐ Yes
☐ No

Comments:

3(c). Do you agree that proposed Reliability Standard CLO-001-1, Requirements R8 – R11, address the following near-term essential actions identified to be addressed in the SAR: data sharing (for planning)? If you do not agree, or if you agree but have comments or suggestions, please suggest alternate language for the DT's consideration and provide appropriate justification.

- ☐ Yes
☐ No

Comments:

4. Do you agree that the clarifying conforming revisions to proposed Reliability Standards FAC-001-5 and FAC-002-5 are modest in nature and will avoid duplicative requirements for entities as it relates to the interconnection of Computational Load Sites? If you do not agree, or if you agree but have comments or suggestions, please provide your recommendation(s) for the DT.

- ☐ Yes
☐ No

Comments:

5. Do you agree that the proposed Implementation Plan for Standard CLO-001 Computational Load Interconnection, Studies, and Modeling represents a reasonable period to implement proposed Reliability Standard CLO-001-1? If not, please suggest an alternate timeframe for implementation with appropriate justification to identify the specific implementation milestone(s) of concern and your proposed revisions.

- ☐ Yes
☐ No

Comments:

6. Do you agree that the proposed Reliability Standard CLO-001-1 addresses the scope of the SAR in a cost-effective manner while supporting the reliable integration of Computational Load Sites? If you do not agree, or if you agree but have suggestions for

improvement to enable more cost-effective approaches, please provide your recommendation and, if appropriate, technical, or procedural justification.

☐ Yes

☐ No

Comments:

7. Provide any additional comments, a detailed explanation of any recommended revisions, implementation concerns or areas where additional guidance may be beneficial for the DT to consider, if desired.

Comments: