

# Summary of Proposed Reliability Standard: TPL-008-1

Proposed Reliability Standard TPL-008-1, developed in response to FERC Order No. 896.

## Details of Standard(s) Development

Reliability Standards Authority: NERC

Standard(s)	<ul style="list-style-type: none"><li>TPL-008-1 – Transmission System Planning Performance Requirements for Extreme Temperature Events</li></ul>
Purpose	Establish requirements for Transmission system planning performance for extreme heat and extreme cold temperature events.
Change Type:	FERC DIRECTIVE
Affected Functional Entities:	<ul style="list-style-type: none"><li>Transmission Planner (TP)</li><li>Planning Coordinator (PC)</li></ul>
Ballot Results:	<ul style="list-style-type: none"><li>TPL-008-1 84.08 % Quorum / 75.43 % Approval</li></ul>
Ontario Participant Support:	<ul style="list-style-type: none"><li>TPL-008-1: There were 264 votes cast by NERC registered entities. 3 OEB rate-regulated entities voted (3/ 264). All were Affirmative.</li></ul>
Impact Within Ontario	Not Assessed.

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## Standard Development Milestones

Date	Action
December 10, 2024	• Adopted by NERC Board of Trustees
December 17, 2024	• NERC Petition for Approval
December 20, 2024	• IESO Posting Date
April 19, 2025	• End of OEB Review Period
TBD	• FERC Order Issued
TBD	• US Mandatory Enforcement Date
TBD	• Ontario Enforcement Date (Milestones in Reliability Standard Development and Lifecycle)

## Summary

Proposed Reliability Standard TPL-008-1 would advance the reliability of the Bulk-Power System by improving how entities plan for extreme heat and extreme cold weather events as part of long-term transmission system planning. By modeling and studying the potential impacts of widespread extreme heat and cold events on the reliable operation of the Bulk-Power System in advance, entities can develop Corrective Action Plans or evaluate other mitigating actions to avoid the worst of these impacts.

## Other Salient Information

### Stakeholder Consultation

#### NERC Reliability Standards Development Procedure

- NERC develops Reliability Standards in accordance with Section 300 (Reliability Standards Development) of its Rules of Procedure and the NERC Standard Processes Manual;
- NERC's rules provide for reasonable notice and opportunity for public comment, due process, openness, and a balance of interests in developing Reliability Standards;
- The development process is open to any person or entity with a legitimate interest in the reliability of the Bulk Power System. NERC considers the comments of all stakeholders;
- Stakeholders must approve, and the NERC Board of Trustees must adopt, a new or revised Reliability Standard before NERC submits the Reliability Standard to FERC for approval;
- NERC provided public notices for comments and balloting as follows:
  - Standards Committee approved Standard Authorization Request (SAR) for posting: July 19, 2023
  - SAR posted for comment: August 8 – September 27, 2023
  - First Posting: March 20, May 3, 2024
  - Second Posting: July 16, August 22, 2024
  - Third Posting: October 7 – 21, 2024
  - Forth Posting: November 7 – 21, 2024
  - Final Ballot: December 2 – 6, 2024

#### IESO Reliability Standards Standing Committee

- The purpose of the Reliability Standards Standing Committee (RSSC) is to assist market participants to develop a more comprehensive understanding of their reliability obligations by:
  - Notifying participants of reliability-related information on new and developing reliability standards;
  - Providing a forum to discuss and develop consensus comments on new and developing reliability standards; and
  - Engaging participants in the standard development process of NERC and NPCC.
- The majority of stakeholder engagement takes place by email communications and is open to any stakeholder wishing to join
- The IESO presented the proposed changes at the following RSSC meetings:
  - September 09, 2023
  - July 13, 2024
  - September 12, 2024
  - December 11, 2024