

Implementation Plan

Project 2023-07 Transmission System Planning Performance Requirements for Extreme Weather

Applicable Standard

- TPL-008-1 – Transmission System Planning Performance Requirements for Extreme Temperature Events

Requested Retirement

- Not applicable

Prerequisite Standard

- Not applicable

Applicable Entities

- Planning Coordinators
- Transmission Planners

New Terms in the NERC Glossary of Terms

- Extreme Temperature Assessment

Background

On June 15, 2023, FERC issued a Final Rulemaking directing NERC to develop a new or modified Reliability Standard to address the lack of a long-term planning requirement(s) for extreme heat and cold weather events. Specifically, FERC directed NERC to develop modifications to Reliability Standard TPL-001-5.1 or develop a new Reliability Standard that require the following: (1) development of benchmark planning cases based on major prior extreme heat and cold weather events and/or meteorological projections; (2) planning for extreme heat and cold weather events using steady state and transient stability analyses expanded to cover a range of extreme weather scenarios including the expected resource mix's availability during extreme heat and cold weather conditions, and including the wide-area impacts of extreme heat and cold weather; and (3) development of Corrective Action Plans that mitigate any instances where performance requirements for extreme heat and cold weather events are not met.

Effective Date

The effective date for the proposed Reliability Standard is provided below. Where the standard drafting team identified the need for a longer implementation period for compliance with a particular section of the proposed Reliability Standard (e.g., an entire Requirement or a portion thereof), the additional time for compliance with that section is specified below. These phased-in compliance dates represent the dates that

entities must begin to comply with that particular section of the Reliability Standard, even where the Reliability Standard goes into effect at an earlier date.

TPL-008-1

Where approval by an applicable governmental authority is required, the standard shall become effective on the first day of the first calendar quarter that is twelve (12) months after the effective date of the applicable governmental authority's order approving the standard, or as otherwise provided for by the applicable governmental authority. Where approval by an applicable governmental authority is not required, the standard shall become effective on the first day of the first calendar quarter that is twelve (12) months after the date the standard is adopted by the NERC Board of Trustees, or as otherwise provided for in that jurisdiction.

Phased-In Compliance Dates

Compliance Date for TPL-008-1 Requirements R1

Entities shall be required to comply with Requirements R1 upon the effective date of Reliability Standard TPL-008-1.

Compliance Date for TPL-008-1 Requirements R2, R3, R4, R5, R6

Entities shall not be required to comply with Requirement R2, R3, R4, R5, and R6 until thirty-six (36) months after the effective date of Reliability Standard TPL-008-1.

Compliance Date for TPL-008-1 Requirements R7, R8, R9, R10, R11

Entities shall not be required to comply with Requirement R7, R8, R9, R10, R11 until sixty (60) months after the effective date of Reliability Standard TPL-008-1.

