WECC

ASSURANCE PROGRAM

The Assurance Program provides WECC and its stakeholders with tools to help manage specific risks. Managed by WECC staff, the program is designed to help entities across the Western Interconnection refine their approach to risk mitigation by sharing best practices and lessons learned.

The program is designed to ensure registered entities are aware of the resources available to assist with risk mitigation efforts (e.g., Small Group Advisory Sessions (SGAS), reports from past extreme weather events, lessons learned, Reliability Guidelines, Implementation Guidance, etc.). Through this effort, WECC will recommend improvements to policies, processes, and procedures, while reviewing risk mitigation efforts by registered entities within the Western Interconnection.

To learn more, contact WECCAssuranceProgram@wecc.org.

RESOURCES

PROGRAM DOCUMENTS

- Western Interconnection Cold Weather Readiness Assessment
- ERO Enterprise Themes and Best Practices for Extreme Weather

EXTREME WEATHER

COLD

Event Reports

- FERC/NERC/Regional Report January 2025 Arctic Events
- FERC/NERC/Regional Report January 2024 Arctic Storms
- FERC/NERC/Regional Report December 2022 Winter Storm Elliott
- FERC/NERC/Regional Report February 2021 Winter Storm Uri
- FERC/NERC/Regional Report January 2018 Event
- NERC Report January 2014 Polar Vortex
- FERC/NERC/Regional Report October 2011 Northeast Snowstorm
- FERC/NERC/Regional Report February 2011 Event

NERC Alerts

- Level 3 Alert May 15, 2023
- Level 3 Alert Report May 15, 2023
- Level 1 Alert February 13, 2023
- Level 2 Alert September 12, 2022
- Level 2 Alert Report September 12, 2022
- Level 2 Alert August 18, 2021
- Level 2 Alert Report August 18, 2021

Other Resources (SGAS/Lessons Learned/Practice Guides/Reports)

- Blackstart Resource Availability and Readiness in the Eastern and Western Interconnections
- 2025 SGAS Cold Weather FAQ
- 2024 SGAS Cold Weather FAQ
- 2023 SGAS Cold Weather FAQ
- NERC Lessons Learned and other Resources
- CMEP Practice Guide
- Reliability Guideline: Generating Unit Winter Weather Readiness
- Year 10 Extreme Cold Weather Event Report
- Joint Report | System Performance Review of the Winter 2026 Arctic Cold Period
- Presentation | System Performance Review of the Winter 2026 Arctic Cold Period

Recommendations from Extreme Cold Weather Event Reports

- FERC Reliability Spotlight: Cold Weather Preparedness
- Extreme Cold Weather Report Recommendations

HEAT

- Event Analysis & Situational Awareness | Western Electricity Coordinating Council see “August 2020 Heatwave Event”
- Year 20 Extreme Heat Event Study
- Summer 2022 Event Report

ARIDIFICATION

- Environmental Conditions | WECC SPDP