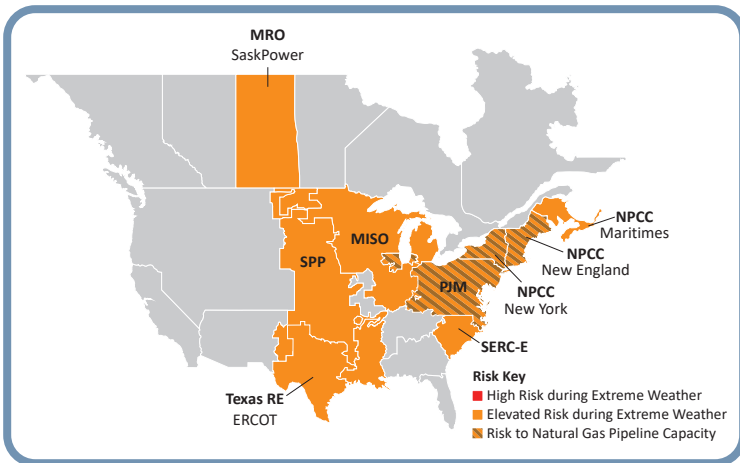




2024- 2025 Winter Reliability Assessment

[WRA Report](#) | [WRA Video](#)

NERC’s [2024–2025 Winter Reliability Assessment](#) finds that while regulatory and industry initiatives have improved winter readiness, many parts of North America are once again at an elevated risk of energy shortfalls under extreme conditions. However, no areas are identified as having a high risk of energy shortfalls in extreme weather conditions and all areas are expected to have adequate resources under normal winter peak load conditions.



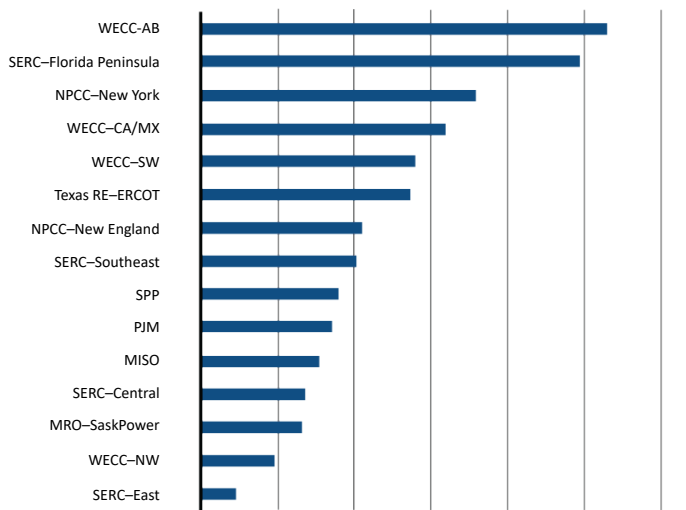
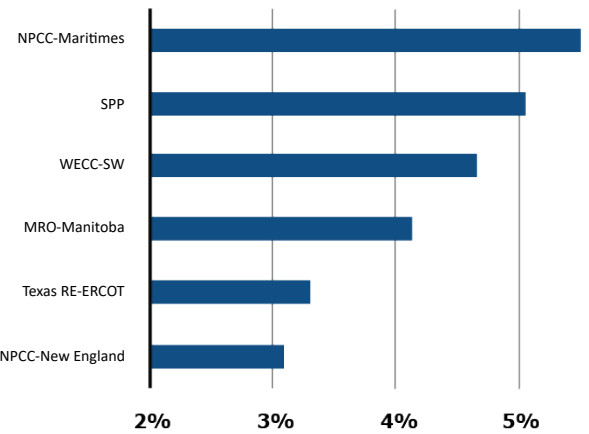
Regulatory and industry initiatives: NERC’s Reliability Standards for Generator Owners and System Operators for managing cold weather conditions and the introduction of mandatory rules for winterization of electric generation and natural gas production in Texas have improved operational readiness.



Surging load growth: Rapid demand growth in many areas is further straining parts of the system. While demand has grown, over 4.5 GW of generation has been retired over the same period in the United States increasing reliability risk.



Natural gas fuel supply: Natural gas supply to generators is at risk in extreme cold weather due to production and delivery issues coupled with potential limited regional pipeline capacity.



Interregional transfer capability: System operators coordinate with neighbors prior to and during peak winter conditions for reliable transfer of electricity between regions. NERC’s [Interregional Transfer Capability Study](#) assesses the existing transfer capability between areas and makes recommendations for future increases to promote reliability during extreme conditions.