



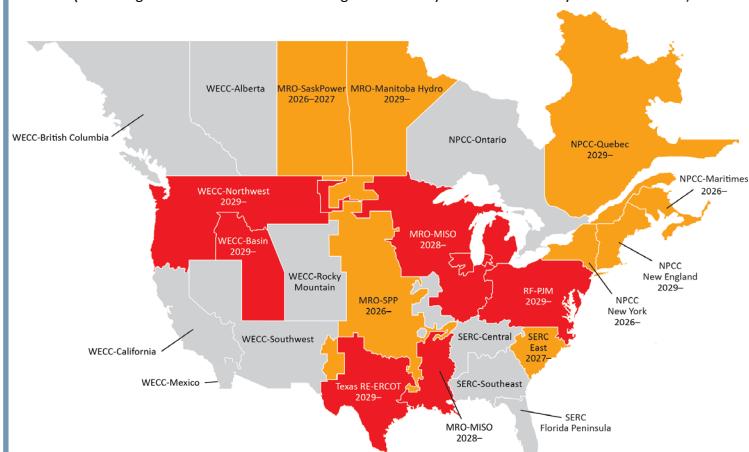
2025 Long-Term Reliability Assessment

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

NERC's [2025 LTRA](#) spotlights intensifying resource adequacy risks throughout the North American bulk power system over the next ten years. Uncertainty and lag in the pace of new resource additions are driving heightened concerns that the industry will not be able to keep up with ascending electricity demand from new data centers and large loads. To confront the reliability challenges over the next 10 years, NERC recommends streamlining system growth, managing generator deactivations, undertaking robust adequacy assessments, and coordinating electric-natural gas system planning and operations.

Risk Area Summary 2026-2030

(Shows highest risk classification occurring in the first 5 years and the initial year of occurrence)

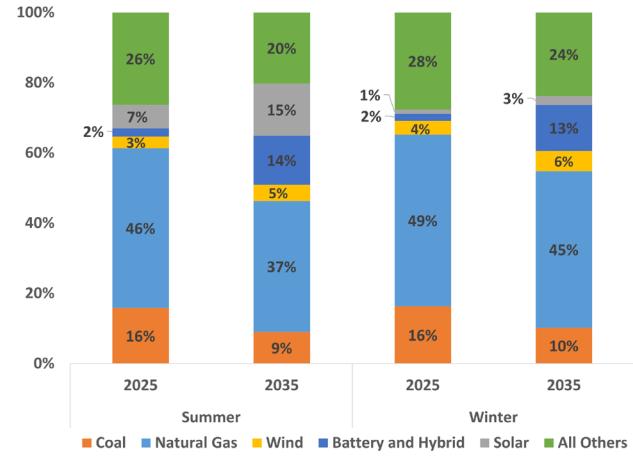


High Risk: Planned resources fall short of established criteria in the next five years
 Elevated Risk: Resource adequacy targets are met but shortfalls are identified in extreme conditions
 Normal Risk: Resources are available in the range of assessed conditions

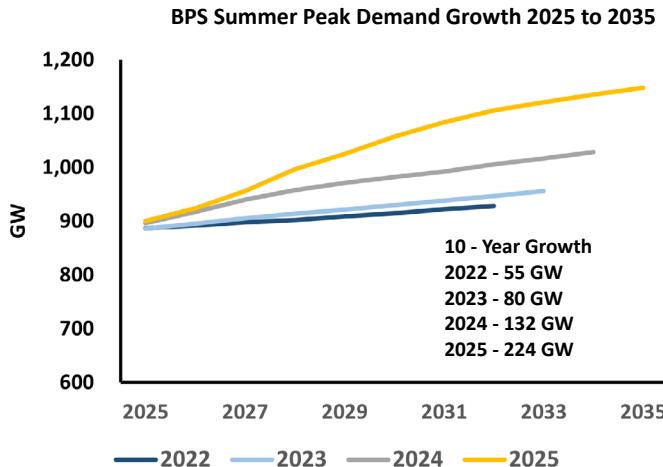


Resource Mix Changes: Coal capacity is declining, while solar and batteries increase. Different reliability attributes raise the risk of shortfalls, especially in winter.

Current and Future Capacity Mix



Escalating Demand Growth: Summer peak demand continues its rapid ascent - almost doubling last year's projection - expediting resource needs.



Infrastructure Pace: Development is uncertain as few projects are approved. Growth is threatened by supply chain, interconnection process and approval delays.

