New York ISO
Independent System Operator

2025-2034 Comprehensive Reliability Plan: Key Topics

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Agenda

- Background
- Revised NYC Reliability Need
- Proposed CRP Key Topics
- Preliminary CRP Schedule

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Background

Background

- **The biennial Reliability Planning Process (based on a 10-year planning horizon) is performed in two steps:**
  - In even years, the NYISO performs a Reliability Needs Assessment (RNA) that identifies any Reliability Needs
  - In odd years, the NYISO prepares the Comprehensive Reliability Plan (CRP) that identifies the plan for the planning horizon, including appropriate solutions to Reliability Needs from the RNA.
- **The 2024 RNA identified a Reliability Need beginning in summer 2033 within New York City, growing to a deficiency of 97 MW for three hours on the peak day in 2034, accounting for the forecasted system conditions.**

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Background

- NYISO's procedures provide that following the completion of an RNA that identifies a Reliability Need, the NYISO will consider relevant updates to Local Transmission Owner Plans (LTPs) and other system updates to determine if the Reliability Need is reduced or eliminated.
- If the LTP updates or other system updates mitigate or eliminate the Reliability Need, the NYISO will report to ESPWG and TPAS the updates received and the effect to the Reliability Need, including whether it has been mitigated and, therefore, does not require the NYISO to solicit solutions.

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Relevant System Updates to Mitigate or Eliminate the Reliability Needs

- The NYISO recently released the latest 2025 Load & Capacity Report (Gold Book):
  - Updated forecast
  - Updated generation DMNC
- Transmission Owner LTP updates were considered but not impactful to the specific Reliability Need

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RNA Base Case Updates

- The New York City peak demand forecast will be roughly 200 MW lower each of the next ten years over the 10-year planning horizon compared to the 2024 Gold Book's forecasts used in determining the New York City Reliability Need.

Comparison of 2024 Zone J Goldbook Forecast and 2025 Preliminary Zone J Forecast										
Item	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**
Zone J Baseline Demand Forecast (2024 Goldbook) (MW)	10,960	10,990	11,020	11,040	11,050	11,080	11,130	11,220	11,310	11,390
Zone J Baseline Demand Forecast (Preliminary 2025 Goldbook) (MW)	10,764	10,790	10,820	10,840	10,860	10,880	10,930	11,010	11,080	11,170
Impact (MW)	*196*	*200*	*200*	*200*	*190*	*200*	*200*	*210*	*230*	*220*
Item	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**
Zone J High Demand Forecast (2024 Goldbook) (MW)	11,140	11,270	11,400	11,530	11,660	11,800	11,940	12,100	12,260	12,430
Zone J High Demand Forecast (Preliminary 2025 Goldbook) (MW)	10,800	10,920	11,040	11,170	11,330	11,510	11,650	11,800	11,960	12,130
Impact (MW)	*340*	*350*	*360*	*360*	*330*	*290*	*290*	*300*	*300*	*300*

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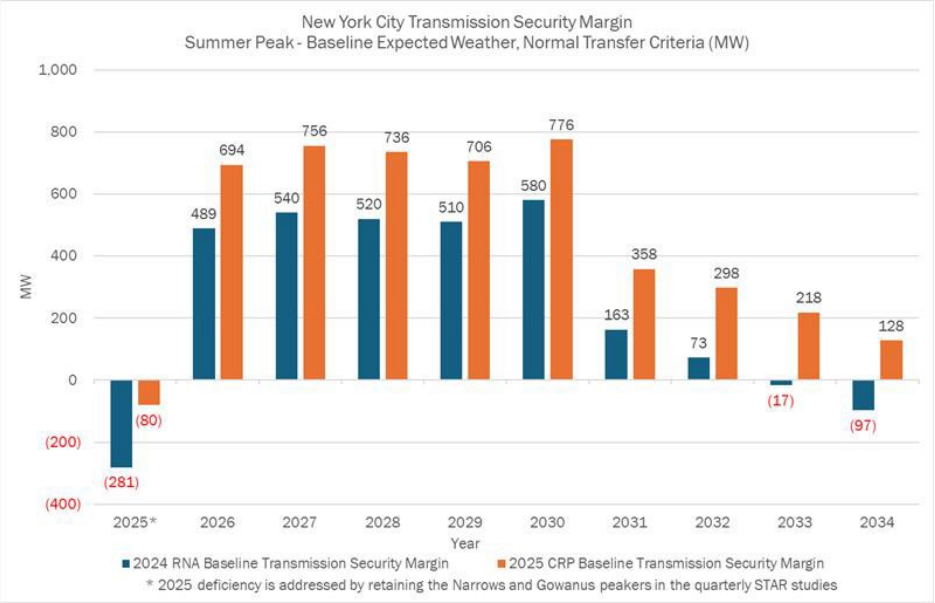
Revised New York City Transmission Security Margin

- Taking into account recent system updates, the analysis shows that the revised system margin through 2034 would be positive and the Reliability Need identified in the 2024 RNA has been addressed.
- The narrowing reliability margins continue to be a significant concern.



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Summary

- Based on the system updates, the NYISO determines that a solicitation for solutions is not required to address the Reliability Need identified in the 2024 RNA.
- The narrowing reliability margins continue to be a significant concern. The CRP will focus on identifying and quantifying the uncertainties in the planning horizon.

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Proposed CRP Key Topics

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Key Uncertainties

The NYISO plans to build on key uncertainties identified in 2024 RNA as part of the CRP, such as:

- Generation at risk
- Demand forecast: electrification and large loads
- Impact of potential project delays: LI PPTN, CHPE, offshore wind, long-lead time for new generation entry

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Methods of Evaluating for Uncertainty

- The CRP will review the reliability margins forecasted from previous CRPs to identify the historical trends and further investigate a variety of risk factors and plausible ways the system could change over the next ten years.
- The CRP will continue to evaluate impact of certain key assumptions through scenarios.
- Review of study methodology could include:
  - Transmission security margin
  - Additional Resource Adequacy reliability indices
  - Accounting for winter risks
  - Other modeling assumptions

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Next Steps

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Next Steps

- NYISO staff will return in Q3 2025 to further discuss CRP findings.
- NYISO staff will seek OC and MC vote and NYISO Board of Directors approval in Q4 2025
- NYISO will continue to conduct the quarterly Short-Term Assessment of Reliability and monitor closely in the tracking of new resource development.

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Our Mission & Vision

Mission

Ensure power system reliability and competitive markets for New York in a clean energy future

Vision

Working together with stakeholders to build the cleanest, most reliable electric system in the nation

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Questions?

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