New York ISO
Independent System Operator

2024 Interim Area Transmission Review (ATR)

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2024 Interim ATR

- ATRs are performed on an annual basis for conformance with the Northeast Power Coordinating Council (NPCC) and the New York State Reliability Council (NYSRC) criteria
  - Although this ATR assessed the New York State Bulk Power Transmission Facilities (BPTF), only BPS facilities are subject to NPCC Directory #1 and the NYSRC Reliability Rules
- The study year for this assessment is 2029
- The NYISO performed the previous comprehensive ATR of the New York State BPTF in 2020 (for the planned year 2025), which the NPCC Reliability Council (RCC) approved in May 2021 followed by the NYSRC's approval in June 2021
- In 2021, 2022, and 2023 the NYISO performed an interim ATR
  - The 2021 ATR was approved by the NPCC RCC and NYSRC in November 2021
  - The 2022 ATR was approved by the NYSRC in October 2022 and NPCC RCC in December 2022
  - The 2023 ATR was approved by the NYSRC in November 2023 and NPCC RCC in December 2023

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ATR Study Assumptions

- **Generation Assumptions**
  - No significant changes in deactivations compared to the prior 2020 Comprehensive ATR (CATR)
  - Over 3,200 MW of new renewable generation is included in this assessment as compared to the prior CATR
- **Transmission Assumptions**
  - No significant changes in planned existing or future AC transmission compared to the prior CATR
  - This assessment includes the Champlain Hudson Power Express (CHPE) 1,250 MW HVDC project (NYISO Interconnection Queue Nos. 631/887) connecting Hydro Quebec to NYC.
- **Load Assumptions**
  - No significant changes in assumptions compared to the prior CATR
    - Load forecast decreased 550 MW when comparing summer 2025 (year 5 of prior CATR) to summer 2029 (year 5 of current ATR) when considering flexible large loads offline during the peak period.

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2024 Interim ATR – NPCC/NYSRC Requirements

- Steady State and Stability Transmission Security Assessment
- Short Circuit Assessment
- Extreme Contingency Assessment
- Extreme System Condition Assessment
- Assessment of impacts of planned system expansion or reconfiguration plans on the NYCA system restoration plan
- Review of Special Protection Systems / Remedial Action Schemes
- Review of exclusions to NPCC Directory #1 criteria

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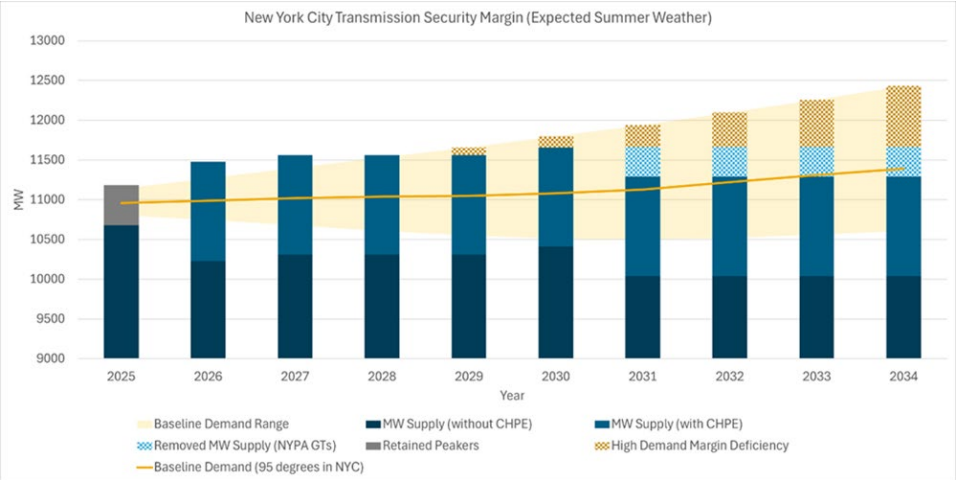
Near-Term NYC Reliability Need

- In the 2023 Quarter 2 STAR, the NYISO identified a 446 MW reliability need beginning in summer 2025 within New York City (NYC)
  - Need is driven by a combination of increases in peak demand and assumed unavailability of certain generation in NYC affected by the New York State Department of Environmental Conservation (DEC) “Peaker Rule”
- After accounting for the updated assumptions in the 2024 Quarter 3 STAR and 2024 RNA, which are consistent with this 2024 ATR, the New York City zone is deficient by as much as 461 MW for a duration of seven hours in summer 2025.
- To address the need identified in the 2023 Q2 STAR, the NYISO designated the generators on the Gowanus 2 & 3 and Narrows 1 & 2 barges to temporarily remain in operation after the DEC Peaker Rule compliance date (May 1, 2025) until permanent solutions to the Need are in place, for an initial period of up to two years (May 1, 2027).
  - The permanent solution is the Champlain Hudson Power Express (“CHPE”) project, currently scheduled to enter service in spring 2026.



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Conclusion

- Taking into account the system changes that have occurred since the completion of the 2020 CATR, which have been included in subsequent NYISO reliability studies (such as, the 2022 RNA, 2024 RNA, and quarterly Short-Term Assessments of Reliability), there are no outstanding reliability needs to address in this ATR with no criteria violations observed in years 4 through 6 of the planning horizon
- The New York State BPTF, as planned through 2029, conforms to planning reliability criteria described in NPCC Directory #1 and NYSRC Reliability Rules

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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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