

2023 Interim Area Transmission Review (ATR)

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November 2, 2023

2023 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 2028**
- **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 and 2022, 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

ATR Study Assumptions

■ Generation Assumptions

- No significant changes in deactivations compared to the prior 2020 Comprehensive ATR (CATR)
- Over 1,600 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

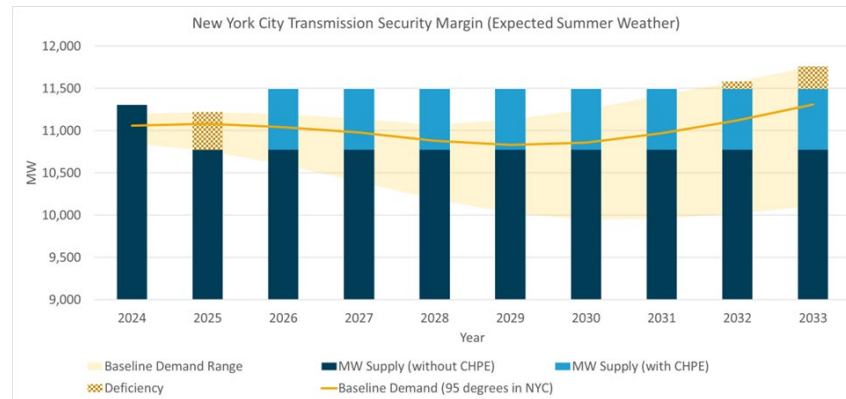
- No significant changes in assumptions compared to the prior CATR
 - Load forecast decreased 42 MW when comparing summer 2025 (year 5 of prior CATR) to summer 2028 (year 5 of current ATR)

2023 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**

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”
- On August 4, 2023, the NYISO solicited solutions to address this need under its Short-Term Reliability Process
 - Responses were due back to the NYISO on October 3rd
 - The NYISO is in the process of evaluating the viability and sufficiency of proposed solutions



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 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 2028, conforms to planning reliability criteria described in NPCC Directory #1 and NYSRC Reliability Rules

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

Questions?