

NYISO System & Resource Planning Status Report

April 30, 2024

Comprehensive System Planning Process (CSPP):

Reliability Planning Process:

- The 2023-2032 Comprehensive Reliability Plan (“CRP”) was published November 2023. While system margins are very low, there were no Reliability Needs identified in the 2022 RNA. Therefore, a solicitation for solutions was not necessary at the time. The CRP, which sets forth a plan for the bulk power system over a 10-year horizon, finds growing risks to reliability on the grid, including: generator deactivations, extreme weather, uncertain demand trends due to electrification, and slow or delayed development of new generation resources. The final CRP report and companion datasheet are posted at: <https://www.nyiso.com/library>. (Current)
- In Q4 2023, the NYISO commenced a new cycle of its Comprehensive System Planning Process with the Transmission Owners providing updates to their Local Transmission Owner Plans. **In preparation for the 2024 Reliability Needs Assessment (“RNA”), the NYISO presented the preliminary key assumptions, schedule, and proposed scenarios at ESPWG/TPAS meetings in March and April. The NYISO anticipates discussing preliminary results from the 2024 RNA at a July ESPWG/TPAS meeting and completing the assessment by the end of the year. (Updated)**
- The 2023 Quarter 2 Short-Term Assessment of Reliability (“STAR”) issued on July 14, 2023 and identified a Short-Term Reliability Need in summer 2025 in New York City. The NYISO solicited market-based solutions to the reliability need from interested parties, along with a regulated solution from Con Edison. On November 20, 2023, the NYISO published the [Short-Term Reliability Process Report](#) addressing the 2025 reliability need. (Current)
 - The permanent solution to address this need is the Champlain Hudson Power Express (“CHPE”) project planned to enter service in spring 2026.
 - To ensure the continued reliability of electric service in New York City, the NYISO has 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 until permanent solutions to the Need are in place, for an initial period of up to two years (May 1, 2027). There is a potential for an additional two-year extension (to May 1, 2029) if reliability needs still exist, as provided by the DEC Peaker Rule. Through the quarterly STAR studies, the NYISO will continuously evaluate the reliability of the system as changes occur and will carefully monitor the progress of the CHPE project toward completion.
- **The NYISO issued the 2024 Quarter 1 STAR on April 12, 2024, which did not identify any new Short-Term Reliability Process Needs. The 2024 Quarter 2 STAR commenced on April 15, 2024 and will be issued by July 14, 2024. (Updated)**

Economic Planning Process:

- The 2023-2042 System & Resource Outlook study (“the Outlook”) is underway, targeting publication of the report in July 2024. (Current)
 - Modeling data and assumptions for the Outlook capacity expansion and production cost models were “locked down” as of Q4 2023. (Current)
 - Results for Base and Contract case production cost simulations were presented at ESPWG in January and February 2024. (Current)
 - Preliminary capacity expansion results for the Lower Demand Policy Scenario, Higher Demand Policy Scenario, and State Policy Scenario were presented at ESPWG throughout March 2024. Capacity expansion model results for the State Policy Scenario will be used as part of the ongoing Joint Utilities’ Coordinated Grid Planning Process (CGPP). **Preliminary results from production cost simulations for the Policy Case were presented in April 2024 and will continue through Q2. (Updated)**
 - Draft appendices and report will be reviewed by stakeholders through June, with the final report publication targeted for July 2024. (Current)

Public Policy Transmission Planning Process:

- On March 18, 2021, the PSC issued an order (referred to as the “Long Island Offshore Wind Export PPTN”) finding that the state Climate Leadership and Community Protection Act (CLCPA) constitutes a Public Policy Requirement driving the need for transmission to ensure delivery of at least 3,000 MW of offshore wind connected to Long Island. On June 13, 2023, following extensive evaluation of 16 viable and sufficient transmission projects, the NYISO Board of Directors selected Propel NY’s (a partnership of NY Transco and NYPA) T051 Alternate Solution 5 project as the more efficient or cost-effective transmission solution to meet the Long Island Offshore Wind Export PPTN. Development agreements are in progress. (Current)
- On June 22, 2023, the PSC declared a Public Policy Transmission Need to integrate offshore wind into New York City (“NYC PPTN”). In the Order, the PSC encouraged Con Edison to establish a process to make information about interconnection locations available to interested transmission developers. Con Edison, DPS, and NYISO have each held technical conferences through 2023 to provide information regarding interconnection sites, siting issues, and technical analysis. The NYC PPTN project solicitation window opened April 4, 2024 and will remain open for 60 days until June 3, 2024. Following the solicitation window, the NYISO will perform the Viability & Sufficiency Assessment (VSA) for proposed projects. Transmission projects that pass the VSA, and elect to continue to be evaluated, will then proceed to the evaluation stage where the NYISO will perform a comparative review of those projects using a variety of established metrics. Using the results from those metrics, NYISO staff will make a recommendation as to the more efficient or cost-effective solution to the NYC PPTN for consideration by the NYISO Board of Directors, which is estimated for 2025. (Current)

Interregional Planning:

JIPC/IPSAC:

- The Joint ISO/RTO Planning Committee (JIPC) is continuing to exchange data and information, review transmission needs in neighboring regions, review interconnection projects with interregional impacts, and maintain an interregional production cost database. The JIPC posted the final 2021 Northeast Coordinated System Plan in July 2022 after receiving no stakeholder comments on the draft. JIPC updated stakeholders on planning activities during the December 8, 2023 Interregional Planning Stakeholder Advisory Committee (IPSAC) meeting. The next IPSAC meeting is scheduled for May 3, 2024. (Current)
- JIPC members are participating in DOE's Atlantic Offshore Wind Transmission Study, which started in December 2022. Resulting from that study and related workshops, the DOE released on September 19, 2023, an Atlantic Offshore Wind Transmission Action Plan setting forth recommendations through 2050. The full study report and action plan was released by NREL on March 21, 2024. See <https://www.energy.gov/gdo/atlantic-offshore-wind-transmission-action-plan>. (Current)
- ISO-NE sent a letter to JIPC requesting a study to determine whether the current limitation (as memorialized in a three-party joint operating agreement among ISO-NE, NYISO, and PJM) on ISO-NE's largest single loss of source contingency can be increased from 1,200 MW to 2,000 MW. The three members of the JIPC agreed to perform a coordinated study led by ISO-NE, which is in the early stages. (Current)

EIPC:

- The Eastern Interconnection Planning Collaborative (EIPC) remains involved in a number of interregional planning initiatives, including as key members of the Technical Review Committee for the DOE National Transmission Planning Study. On December 14, 2023, EIPC issued a white paper that identifies some important technical considerations associated with determining an appropriate level of interregional transfer capability to ensure the continued reliability of the transmission grid as system operators work to integrate an increasing level of renewable resources. (Current)
 - The white paper is posted on the EIPC website at <https://eipconline.com/s/EIPC-ITC-White-Paper-2023-12-14.pdf>
- EIPC is also in discussions with FERC and NERC regarding evaluation of interregional transfer capability. This includes support of the [NERC Interregional Transfer Capability Study \(ITCS\)](#) ordered by the U.S. Congress to study the reliable transfer of electric power between neighboring transmission planning regions. NERC kicked off the study on October 31, 2023 with a meeting of the ITCS Advisory Group at which NERC presented a project plan that culminates in a FERC filing in December, 2024. NERC hosted an Advisory Group meeting in Washington DC on January 25, 2024 to discuss scenarios, assumptions, metrics, and adequacy. (Current)