

NYISO System & Resource Planning Status Report

March 31, 2022

Comprehensive System Planning Process (CSPP):

Reliability Planning Process:

- On December 3, 2021, the NYISO published the 2021-2030 Comprehensive Reliability Plan (“CRP”), which contains several scenarios dedicated to the impacts of additional renewable resource and climate change policies. The CRP report, appendices, and fact sheet have been published on the NYISO website at <https://www.nyiso.com/library>. (Current)
- The NYISO has begun gathering data and inputs for its 2022 Reliability Needs Assessment (“RNA”), which will begin in April with completion targeted for November 2022. The RNA baseline evaluation, from which actionable Reliability Needs are identified, will consider firm plans for facility additions, modifications, and retirements through 2032. In addition, the NYISO together with stakeholders will consider additional criteria and scenarios to identify reliability needs and provide information on reliability challenges to better consider the difficult operating conditions expected as the grid transitions to meet state energy policy requirements. (Current)
- The 2021 Quarter 4 STAR, completed on January 13, 2022, found no bulk reliability needs through the five-year study period. The 2022 Quarter 1 STAR commenced on January 15, 2022 and will be issued by April 15, 2022. (Current)

Economic Planning Process:

- The NYISO is currently developing the new 2021-2040 System & Resource Outlook. The Base Case and Contract case results were presented to stakeholders between November 2021 and February 2022. The Policy Case, which includes capacity expansion and production cost modeling, is under development with modeling and analysis continuing through Q2 2022. The NYISO’s Outlook findings and report will be published by Summer 2022. (Current)

Public Policy Transmission Planning Process:

- The NYISO has executed a Development Agreement with NextEra Energy Transmission New York, Inc. for its Empire State Line Proposal 1 for the Western NY Public Policy Transmission Need. The PSC approved NextEra’s Article VII siting application in August 2018 and NextEra commenced construction in March 2021. The project is on schedule to commence service in June 2022. (Current)
- The selected projects for the AC Transmission Public Policy Transmission Needs are a joint proposal by LS Power Grid New York and the New York Power Authority (NYPA) for Segment A (Central East), and a joint proposal by National Grid and New York Transco for Segment B (UPNY/SENY). In January and February 2021, the PSC approved the Article VII siting

applications for Segment A and Segment B, and construction commenced on both projects in February 2021. The projects are on schedule to commence service in December 2023. (Current)

- On March 18, 2021, the PSC issued an order finding that the state Climate Leadership and Community Protection Act (CLCPA) constitutes a Public Policy Requirement driving the need for:
 - Adding at least one bulk transmission intertie cable to increase the export capability of the LIPA-Con Edison interface, which connects NYISO's Zone K to Zones I and J, to ensure that the full output from at least 3,000 MW of offshore wind is deliverable from Long Island to the rest of the state; and
 - Upgrading associated local transmission facilities to accompany the expansion of the proposed offshore export capability.

Following completion of baseline and scenario assessments and cases, the NYISO issued the project solicitation in August 2021. The NYISO received 18 Public Policy Transmission Projects and 1 Other Public Policy Project from four developers in October 2021. The NYISO presented the completed Viability and Sufficiency Assessment (VSA) to stakeholders, with comments due March 8. The NYISO will file the final VSA with the PSC. Based on a March 11, 2022 FERC order granting a NYISO complaint and approving a tariff filing, the NYISO will implement a new process to distinguish proposed transmission facilities between new facilities and upgrades to existing facilities. If the developers choose to proceed, the 16 viable and sufficient transmission projects will be evaluated and ranked for efficiency or cost-effectiveness. The NYISO Board of Directors may then select the more efficient or cost-effective transmission solution to meet the Public Policy Transmission Need. (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 Interregional Planning Stakeholder Advisory Committee (IPSAC) meeting was held on December 10, 2021. The next IPSAC meeting is scheduled for May 16, 2022. JIPC members are participating in DOE's Atlantic Offshore Wind Transmission Study, which started in December. (Current)

EIPC:

- EIPC has issued a white paper on "Planning the Grid for a Renewable Future" that identifies challenges and offers recommendations to ensure the reliability of the transmission grid as system operators work to integrate an increasing level of renewable resources. The paper is posted at:
<https://eipconline.com/s/EIPC-Hi-Renewables-WHITE-PAPER-FINAL-FOR-POSTING-10-5-21.pdf> (Current)

- The Production Cost Task Force (PCTF) and Technical Analysis Working Group (TAWG) continue to evaluate the impacts of a high renewable scenario on generation and transmission performance. (Current)