

# AC Transmission Public Policy Transmission Planning Report Addendum: Part 2

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Zach Smith

Vice President, System and Resource Planning

**ESPWG/TPAS**

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# Topics

- **Summary of Board Revisions**
- **Revised Ranking**

# Summary of Board Revisions

- The Board's revisions to the report are summarized in Section 8 of the posted Addendum.

# Revised Ranking

# Ranking Process

- Based on consideration of all the evaluation metrics for efficiency or cost effectiveness, and having given due weight to metrics according to input from the NYISO Board and subsequent conclusions reached by the Board, the NYISO has revised the ranking for the Segment B projects.

# Distinguishing Comparisons of Segment B Projects

- T019 has the highest incremental UPNY/SENY transfer capability, resulting in the lowest cost per MW ratio, highest production cost savings, highest CO<sub>2</sub> emissions savings, and highest ICAP savings of the Segment B projects.
- The series compensation component of the project provides performance benefits through greater operational flexibility and utilization of the UPNY/SENY interface. The project also has the most resilient foundation and structure design resulting in significant benefits for the operability of the transmission system during extreme weather events.

# Distinguishing Comparisons of Segment B Projects

- T029 is estimated to have the second-lowest capital costs among the Segment B projects. However, the project achieves less production cost savings than T019 and has a higher cost per MW ratio. T019 also has a more resilient foundation and structure design than T029.
- T023's capital costs are estimated to be slightly more than T029 with comparable electrical performance and comparable replacement of aging infrastructure, therefore T023 is ranked lower than T029. T023 would retire additional aging lattice transmission structures compared to T022 resulting in a more resilient design overall.

# Distinguishing Comparisons of Segment B Projects

- T022 is estimated to have the lowest capital costs of the Segment B projects with comparable electrical performance as the other Segment B projects, with the exception of T019. However, T022 proposes the least amount of aging infrastructure replacement among Segment B projects.
- T030 is more expensive because of an additional conductor (triple-bundle rather than double-bundle), however the additional conductor actually results in less production cost savings in the CES+Retirement scenario. As such, T030 has the second lowest production cost benefit/cost ratio of the Segment B projects.
- T032 is the most expensive Segment B project with numerous inherent siting risks in the design, as identified in the Draft Report, with no material incremental performance benefits. T032 has the lowest production cost benefit/cost ratio and the highest cost-per-MW ratio.



# Revised Ranking for Segment B Projects

Ranking	Project ID	Developer Name	Project Name
1	T019	National Grid / Transco	New York Energy Solution Seg. B
2	T029	North America Transmission / NYPA	Segment B Base
3	T023	NextEra Energy Transmission New York	Enterprise Line: Segment B-Alt
4	T022	NextEra Energy Transmission New York	Enterprise Line: Segment B
5	T030	North America Transmission / NYPA	Segment B Enhanced
6	T032	ITC New York Development	16NYPP1-1B AC Transmission

# In-Service Date

- Based on the estimated project schedules, the in-service date established for the purposes of the Development Agreements for the selected Segment A and Segment B projects is December 2023.

# Questions?

# The Mission of the New York Independent System Operator, in collaboration with its stakeholders, is to serve the public interest and provide benefits to consumers by:

- Maintaining and enhancing regional reliability
- Operating open, fair and competitive wholesale electricity markets
- Planning the power system for the future
- Providing factual information to policy makers, stakeholders and investors in the power system



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