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Independent System Operator

Updates to RNA Preliminary ("1st Pass") Transmission Security Dynamics Reliability Needs

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August 23, 2022

Summary of 2022 RNA Preliminary Transmission Security Findings

- **Preliminary 2022 RNA transmission security reliability needs discussed with stakeholders at the July 1, 2022 ESPWG/TPAS meeting (here)**
  - The preliminary findings observed under 2032-33 winter peak conditions:
    - Steady state low voltages at the Porter 115 kV bus for various N-1-1 combinations
    - Dynamic stability issues around the Niagara 345 kV substation (both N-1 and N-1-1)
  - Under daytime light load conditions, steady state high voltages are observed in the PSEG-LI service territory under various combinations of contingencies
- **The updates regarding the low voltages at the Porter 115 kV bus and daytime light load issues were discussed with stakeholders at the August 1st TPAS/ESWPG (here).**

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Update on Winter Peak Findings

- **Dynamic Stability**
  - For the dynamic stability issues observed under winter peak, the Transmission Owners reviewed the event definition files and found that the corresponding clearing times had assumed conservative values
  - Adjusting the clearing times to their actual values eliminated the observed reliability issues

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Conclusion

- There are no transmission security needs to be addressed through the Reliability Planning Process for this RNA

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Questions?

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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