

Loss of ISO-NE Source Impact on Central-East

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Introduction

- **The purpose of this study is to re-evaluate the impact of a loss of a New England capacity source on Central-East voltage limits**
- **Using the Central-East Voltage Limit Study base case**
- **The main factor impacting the results was the addition of the two Edic-Princeton 351/352 345kV circuits**
- **Studied with Athens out-of-service as a conservative baseline**

Recommended New England Source Limits for Central-East post-contingency flow

	Current Limit (MW)	Recommended Limit (MW)
ISO-NE Source Limit	1,320	1,500
CEVC Post-Contingency Offset	400 (30%)	495 (33%)

What This Means

- **We cannot monitor all ISO-NE sources, nor control dispatch**
- **Therefore, we cannot factor these into pre-contingency Central-East Voltage Limits**
- **Secure pre-contingency limits up to a certain level**
 - In this case, the system upgrades as part of Segment A allow us to support a source loss of 1,500 MW without degrading Central-East VC Limits
- **Calculate post-contingency flow on Central-East from loss-of-New England source**
 - The distribution factor was determined to be 0.33 for the upgraded system
- **Based on system conditions, operators can allow for higher levels of New England sources**

What's Next

- **SOAS recommendation to bring to Operating Committee – December 7, 2023**
- **Seeking OC approval at the December 14th meeting**

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