

# **CECONY's Updated Local Transmission Plan (LTP)**

7/23/2021

## Remaining Local Non-BPTF Needs

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- Transient voltage response issues were observed on Con Edison's local non-BPTF system in year 2025 in the Greenwood / Fox Hills 138 kV Transmission Load Area (TLA) as well as the East 13th Street 138 kV TLA
  - First identified in the 2020 Quarter 3 STAR
- For Con Edison, to pass the transient voltage response criteria, the post-fault value must settle to 0.9 per unit voltage five seconds after the fault has cleared
  - When the transient voltage response fails the stated criteria this is referred to as Fault-Induced Delayed Voltage Recovery (FIDVR)

## **Solving Local Non-BPTF Needs**

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- CECONY firm solutions focus ONLY on addressing the local non-BPTF needs
- CECONY firm solutions have minimal impact on BPTF

## LTP Update

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- In-city 345 kV Series Reactors (SR) on feeders 41/42 will modeled as in-service
  - Starting summer 2025
  - The status of 41/42 SR does not impact NYC import capability
- The dynamic database for the Con Edison service area will be updated with the latest available state-of-the-art dynamic load model
  - Starting with the next available database
  - Promoted by NERC for industry wide use
  - Support from NPCC, EPRI and other industry groups

# **CECONY's Solutions Maintain Reliability of the Local System**

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With the firm updates assumed in-service:

- Previously identified local non-BPTF needs are addressed
- Short circuit analysis did not identify any over-duty condition
- Thermal and voltage analysis did not identify any new local needs
- Stability analysis did not identify any new local needs

**Thank you!**