

Emergency Operations Manual

July 2017

4.4.1 Shortage Operating Reserve New York City – Day-Ahead Forecast

New York State Reliability Council Reliability Rules

I-R2. Locational Reserves (New York City) Sufficient *ten (10) minute operating reserves* shall be maintained in the New York City (NYC) *zone* as follows:

- a. The *ten (10) minute operating reserve* for NYCA shall be determined in accordance with Reliability Rules.
- b. A percentage of the *ten (10) minute NYCA operating reserves* equal to the ratio of the NYC *zone peak load* to the statewide peak Load shall be required to be selected from *resources* located within the NYC *zone*.
- c. NYC *zone ten (10) minute operating reserves* shall be maintained at all levels of dispatch, except as necessary to alleviate *emergency* conditions.

SCUC produces a daily report provided to the NYISO which indicates if the NYC zone is deficient in 10-Minute Reserve. The report is distributed with the daily SCUC documents within the NYISO. In the event that the NYISO sees a deficiency, the NYISO will notify Consolidated Edison of the operating day and hours that SCUC indicates a shortage of NYC 10-Minute reserve.

Actions that may be taken to establish NYC reserves for the hours of the deficiency:

- Initiate an SRE request e-mail soliciting bids for 10-Minute Reserve or energy for the hours deficient in NYC reserve.
- Determine if neighboring Reliability Coordinators have sufficient reserve and energy to support transaction to NYCA so that NYC reserves can be reestablished.
- Once bids are received, contact Consolidated Edison and have them SRE any additional units necessary to meet requirements.
- In the case there are insufficient bids to meet the NYC reserve requirement, make appropriate notifications to SCR and EDRP resources for the operating day in the NYC Zone to allow these resources to be counted.
- If the actions above do not satisfy the NYC reserve requirement, notify Consolidated Edison that Voltage Reduction is being counted to meet the NYC reserve requirement.

4.4.2 Shortage Operating Reserve – In Day

The NYISO will monitor the total operating capacity in day. The NYISO shall prepare the NYISO daily status report twice daily in anticipation of the morning peak and evening peak load. If deficiency in Operating Reserves is still forecasted, or if Real-Time Commitment (RTC) forecasts a shortage of reserve or energy for the next hour, the NYISO will take the steps not taken in the DAM that time permits to meet reserve requirements. Additionally, the NYISO will take any or all of the following actions as required based on the category of Operating Reverse Shortage: