

# *Transmission and Dispatching Operations Manual*

*April 2016*

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### 3.1.7 Response to Warning State Conditions

#### ***NYISO Actions***

The NYISO shall monitor system conditions at all times and determine the action(s) listed below that are necessary to return the system to the Normal State:

1. Coordinate actions with TOs and other Control Areas.
2. Initiate one or more of the following actions:
  - a. Adjust phase angle regulators.
  - b. Shift or start generation by NYISO request to obtain additional reactive power (MVar) control.
  - c. Activate reserves.
  - d. Adjust reactive sources and transformer taps.
  - e. Perform Generation shifts.
  - f. Modify Interchange Schedules.
  - g. Request NYS Transmission System facilities that are out of service for maintenance to be returned to service.
  - h. For high voltage conditions only, request NYS Transmission System facilities that are in service to be removed from service where appropriate.
  - i. Implement manual Voltage Reduction.
  - j. May call for a reserve pickup to return to schedule if the NYISO Area Control Error (ACE) exceeds 100 MW.
  - k. Take actions to maintain operating reserve, in accordance with the procedures described in this Manual.
    - l. Curtail non-essential TO and Generation Owner load.
    - m. Order Generation to full operating capability.
3. Take the following actions if the above measures are insufficient to comply with Normal Transfer Criteria within 30 minutes or Operating Reserve cannot be delivered due to transmission limitations for 30 minutes:
  - a. Notify all TOs, via the Hotline communications system, that Emergency Transfer Criteria are in effect for the facility (ies) involved.
  - b. Take actions, as required, to stay within Emergency Transfer Criteria.
  - c. Confer with TOs that will have Post-Contingency loading or voltage conditions that exceed allowable limits. Jointly develop strategies to be followed in the event a contingency occurs, including preparation for a rapid Voltage Reduction and/or Load Shedding.
4. If following the implementation of the actions listed above all Normal State criteria cannot be achieved, satisfy as many of the Normal State criteria as possible.

#### ***Transmission Owner Actions***

Transmission Owners shall perform the following actions:

- a. Coordinate and implement corrective actions, as requested by the NYISO Shift Supervisor.
- b. Monitor conditions with respect to their own systems.
- c. Perform the following actions when the NYCA is operating in the Warning State and Warning State Criteria are not met:
- d. Notify the NYISO.
- e. Request assistance from the NYISO, as required.
- f. Initiate unilateral corrective action, if the violation is severe enough to require immediate action.

***Other Considerations***

1. For all contingencies that would result in a violation of the Warning State criteria, corrective action that would be necessary if the contingency occurs shall be determined through coordination between the NYISO and the affected TO.
2. If the NYISO foresees an extended period of operation in the Warning State, a canvass of the TO Systems shall be made to determine if assistance can be provided.
3. If the situation involving impending adverse conditions exists, the NYISO shall notify all TOs and consider declaration of the Alert State.