SYSTEM CONDITIONS FOR OPERATING STATES OF THE NYS BULK POWER SYSTEM

MONITORED CRITERIA	NORMAL	WARNING	ALERT	MAJOR EMERGENCY	RESTORATION
Transmission Facility Pre-Contingency Flow	Flow is less than or equal to Normal rating	Flow is greater than Normal rating but less than or equal to LTE rating for not more than 30 minutes. **OR** Emergency Transfer Criteria have been invoked but flow is less than or equal to Normal rating.	Emergency Transfer Criteria have been invoked **AND** Flow is greater than Normal rating but less than or equal to LTE for not more than 4 hours	Flow is greater than STE **OR** Flow is greater than LTE rating for more than 5 minutes. **OR** Flow is greater than LTE rating exceedance with no time delay at the NYISO's discretion **OR** Flow is greater than Normal rating but less than or equal to LTE rating for 4 hours.	
Transmission Facility Post-contingency Flow for loss of generation or single facility	Predicted flow is less than or equal to LTE rating	Predicted flow is greater than LTE rating but less than or equal to STE rating.	Predicted flow is greater than STE rating and there is sufficient time to take corrective action following contingency **AND** Emergency Transfer Criteria have not been exceeded for more than 30 minutes.	Predicted flow is greater than STE rating and there is not sufficient time to take corrective action following contingency. **OR** Emergency Transfer Criteria have been invoked and criteria have been exceeded for more than 30 minutes.	
Transmission Facility Post-contingency Flow for loss of two adjacent circuits on the same structure	Predicted flow is less than or equal to LTE rating	Emergency Transfer Criteria have been invoked. Post-contingency flow may exceed STE rating.	Emergency Transfer Criteria have been invoked. Post-contingency flow may exceed STE rating.	Emergency Transfer Criteria have been invoked. Post-contingency flow may exceed STE rating.	
Actual Voltage	Voltage is within pre-contingency limits	Not Applicable	Voltage is less than its pre-contingency low limit or greater than its pre-contingency high limit for less than 15 minutes. **OR** Voltage is greater than its post-contingency high limit for less than 10 minutes and is indicative of a system problem.	Voltage is less than its pre-contingency low limit or greater than its pre-contingency high limit for 15 minutes and is indicative of a system problem. **OR** Voltage is less than its pre-contingency low limit, is indicative of a system problem, and appropriate voltage control measures have already been taken. **OR** Voltage is less than its post-contingency low limit and is indicative of a system problem. **OR** Voltage is greater than its post-contingency high limit for 10 minutes.	

Note: From NYISO Emergency Operations Manual, Exhibit A-1

SYSTEM CONDITIONS FOR OPERATING STATES OF THE NYS BULK POWER SYSTEM (CONT'D.)

MONITORED CRITERIA	NORMAL	WARNING	ALERT	MAJOR EMERGENCY	RESTORATION
Post-contingency voltage	Post-contingency transmission facility flow is less than or equal to voltage collapse limit	Not Applicable	Post-contingency transmission facility flow is greater than voltage collapse limit by less than 5% for less than 15 minutes.	Post-contingency transmission facility flow is greater than voltage collapse limits by less than or equal to 5% for 15 minutes, or by more than 5%.	
Reserve 10 minute Reserve	No 10-Minute Reserve deficiency	No 10-Minute Reserve deficiency, but only if using Emergency Transfer Criteria.	No 10-Minute Reserve deficiency, but only including quick response Voltage Reduction.	10 Minute Reserve deficiency exists after taking all actions defined in the NYISO Manual for Emergency Operations including purchase of operating capability.	
Reserve Operating Reserve	No Operating Reserve deficiency	No Operating Reserve deficiency, but only if using Emergency Transfer Criteria.	No Operating Reserve deficiency, but only using Emergency Transfer Criteria.	Operating Reserve deficiency exists after taking all actions defined in the NYISO Manual for Emergency Operations including purchase of operating capability.	
Stability Limits	Transmission facility flow is less than or equal to stability limit	Not Applicable	Transmission facility flow is greater than stability limit by less than 5% for less than 15 minutes.	Transmission facility flow is greater than stability limit by less than or equal to 5% for 15 minutes, or by more than 5%	
Area Control Error ("ACE")	ACE is less than ±100 MW **OR** ACE is less than ±500 MW for less than 10 minutes	ACE is greater than ±100 MW but less than ± 500MW for more than 10 minutes.	ACE is greater than or equal to ± 500 MW for less than 10 minutes.	ACE is greater than or equal to ± 500 MW for more than 10 minutes.	
Frequency	Frequency is greater than or equal to 59.95 Hz and less than or equal to 60.05 Hz	Not Applicable	Frequency is greater than or equal to 60.05 Hz and is sustained at that level or continues to increase. **OR** Frequency is less than or equal to 59.95 Hz and is sustained at that level or continues to decline.	Frequency is greater than or equal to 60.10 Hz and is sustained at that level or continues to increase. **OR** Frequency is less than or equal to 59.90 Hz and is sustained at that level or continues to decline.	
Communication, Computer, Control, & Indication Facilities	Sufficient facilities to monitor system status	Not Applicable	Partial failures impairing the capability of monitoring system status and the NYISO Shift Supervisor determines the power system is in jeopardy.	Insufficient communication facilities to monitor system status and the NYISO Shift Supervisor determines the power system is in serious jeopardy.	

Note: From NYISO Emergency Operations Manual, Exhibit A-1

SYSTEM CONDITIONS FOR OPERATING STATES OF THE NYS BULK POWER SYSTEM (CONT'D.)

MONITORED CRITERIA	NORMAL	WARNING	ALERT	MAJOR EMERGENCY	RESTORATION
Neighboring Systems	All neighboring systems operating under normal conditions	One or more neighboring systems not operating under normal conditions.	One or more neighboring systems in Voltage Reduction.	One or more neighboring systems in Voltage Reduction and requesting NYISO assistance via Voltage Reduction.	
Separation within the New York Control Area	NO	NO	NO	YES	An area within the NY Control Area is islanded, customer load is interrupted, or both, following a system disturbance affecting the NYS Power System.
Overgeneration	--	--	--	NYCA is overgenerating and corrective measures are not sufficient to reduce ACE to zero.	
Other	--	--	A situation involving impending severe weather exists. **OR** A situation involving severe Solar Magnetic Disturbances exists.	--	

Note: From NYISO Emergency Operations Manual, Exhibit A-1