

# NYISO OPERATIONS REPORT FOR the Month of December 2021

## Peak Load

The peak load for the month was 21,146 MW, which occurred on Monday, December 20, 2021, for hour beginning HB17. At that time the Operating Reserve requirement was 1,965 MW. This resulted in a minimum total Operating Capacity requirement of 23,111 MW for that hour.

Reserve Requirements:

Reserve Requirement	10 sync	Non sync	30 min
For Hour	1,162	2,182	3,917
DSASP Cont.	149	0	149

The NYCA all time winter peak load of 25,738 MW, which occurred on Tuesday, January 7, 2014 for hour beginning 18:00.

## Major Emergencies

None

The Major Emergency state was declared 0 times during December of 2020

## Alert States

ON 8 OCCASIONS AN ALERT STATE WAS DECLARED:

2 SYSTEM FREQUENCY 2 LOW 0 HIGH  
 1 ACE GREATER THAN (+OR-) 500MW  
 0 SHORTAGE OF 10 MIN SYNCHRONIZED RESERVE  
 0 SHORTAGE OF 10 MIN TOTAL RESERVE  
 0 ACTUAL FLOW EXCEEDING LTE FOR LESS THAN 5 MIN  
 0 ACTUAL VOLTAGE BELOW PRE-CONTINGENCY LOW LIMIT  
 4 EXCEEDING CENTRAL EAST VOLTAGE CONTINGENCY LIMIT  
 1 EXCEEDING TRANSIENT STABILITY LIMIT  
 0 NYISO COMPUTER PROBLEM  
 0 NEIGHBORING SYSTEM 5% VOLTAGE REDUCTION  
 0 EMERGENCY TRANSFER DECLARED  
 0 GIC (SMD) ACTIVITY  
 0 SEVERE WEATHER  
 0 OTHER

The Alert state was declared 3 times during December of 2020

## Thunder Storm Alerts

0 Thunder Storm Alerts were declared for the month of December for a total of 0 hours

## Reserve Activations

ON 4 OCCASIONS RESERVES WERE ACTIVATED DURING THE MONTH:

- 2 LOSS OF NEW YORK CONTROL AREA GENERATORS
- 0 MAINTENANCE OF SYNCHRONIZED RESERVES
- 2 SIMULTANEOUS ACTIVATION OF RESERVES
  - 0 FOR ISO-NE
  - 1 FOR IESO
  - 0 FOR PJM
  - 1 FOR NYISO
  - 0 FOR NB
- 1 LARGE CONTROL ERRORS (ABOVE 200MW)
  - 0 LOAD PICKUP
  - 0 SCHEDULE CHANGE & LOAD PICKUP
  - 0 SCHEDULE CHANGE
  - 0 SCHEDULE CHANGE DUE TO TLR
  - 1 OTHER (FIXED GEN CHANGES / COMPUTER PROBLEMS)

0 OF THESE RESERVE ACTIVATION'S DID NOT RESULT IN THE ACE-CROSSING ZERO  
 0 OF THE NON-ZERO CROSSINGS REQUIRED ANOTHER RESERVE PICKUP TO BE INITIATED  
 0 NON-ZERO CROSSINGS WERE ASSOCIATED WITH A UNIT LOSS

ON 4 OCCASIONS RESERVES WERE ACTIVATED DURING THE MONTH OF December 2020  
 1 OF THESE PICKUPS WERE FOR ACE.

**Emergency Actions**

Special Case Resources: None  
 Emergency Demand Response Program: None  
 Purchases: 12/23/2021 09:00-10:00 HQ-Cedars 100 MW  
 Sales: None

**TLR 3 Declared**

1 TLR Level 3's were declared for the month of December for a total of 42 hours

**Inadvertent Accumulations for November-2021**

	<u>Monthly Accumulation</u>		<u>End of Month Balance</u>	
On-Peak:	5,058	MWh	16,633	MWh
Off-Peak:	9,191	MWh	24,778	MWh

**NERC Control Performance**

CPS1: 163.42 %  
 BAAL Violations: 0

**NERC/NPCC Reportable DCS Events**

On 12/17/2021 a SAR was initiated at 16:32 and a RPU was initiated at 16:34 for the loss of HQ 7040 loaded at 1286 MW. ACE crossed zero and the RPU was terminated at 16:41. SAR was terminated at 16:57.