

# NYISO OPERATIONS REPORT

## FOR the Month of July 2016

### Peak Load

The peak load for the month was 31,187 MW, which occurred on Friday, July 22, 2016, for hour beginning 16:00. At that time the Operating Reserve requirement was 1,965 MW. This resulted in a minimum total Operating Capacity requirement of 33,152 MW for that hour.

### Reserve Requirements:

Reserve	10 sync	Non sync	30 min
Requirement	655	1,310	1,965
For Hour	840	1,980	2,916
DSASP Cont.	0	0	0

The NYCA all time summer peak load of 33,956 MW, which occurred on Friday, July 19, 2013 for hour beginning 16:00.

### Major Emergencies

\*On July 27, 2016 a Major Emergency was declared at 07:04 when the Gilboa-Fraser GF5-35 circuit tripped causing Central East L/O NE GEN to exceed 105%. The Major Emergency was terminated at 07:09.

\*\*On July 30, 2016 a Major Emergency was declared at 08:26 when the Gilboa-Fraser GF5-35 circuit tripped causing Central East L/O NE GEN to exceed 105%. The Major Emergency was terminated at 08:32.

The Major Emergency state was declared 0 times during July of 2015

### Alert States

ON 11 OCCASIONS AN ALERT STATE WAS DECLARED:

3 SYSTEM FREQUENCY 1 LOW 2 HIGH  
 3 ACE GREATER THAN (+OR-) 500MW  
 2 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  
 2 EXCEEDING CENTRAL EAST VOLTAGE CONTINGENCY LIMIT  
 0 EXCEEDING TRANSIENT STABILITY LIMIT  
 0 NYISO COMPUTER PROBLEM  
 0 NEIGHBORING SYSTEM 5% VOLTAGE REDUCTION  
 1 EMERGENCY TRANSFER DECLARED  
 0 GIC (SMD) ACTIVITY  
 0 SEVERE WEATHER  
 0 OTHER

The Alert state was declared 11 times during July of 2015

### Thunder Storm Alerts

5 Thunder Storm Alerts were declared for the month of July for a total of 21 hours

**Reserve Activations**

ON 16 OCCASIONS RESERVES WERE ACTIVATED DURING THE MONTH:

- 8 LOSS OF NEW YORK CONTROL AREA GENERATORS
- 1 MAINTENANCE OF SYNCHRONIZED RESERVES
- 3 SIMULTANEOUS ACTIVATION OF RESERVES
  - 0 FOR ISO-NE
  - 1 FOR IESO
  - 0 FOR PJM
  - 2 FOR NYISO
  - 0 FOR NB
- 6 LARGE CONTROL ERRORS (ABOVE 200MW)
  - 1 LOAD PICKUP
  - 0 SCHEDULE CHANGE & LOAD PICKUP
  - 3 SCHEDULE CHANGE
  - 0 SCHEDULE CHANGE DUE TO TLR
  - 2 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 10 OCCASIONS RESERVES WERE ACTIVATED DURING THE MONTH OF July 2015  
2 OF THESE PICKUPS WERE FOR ACE.

**Emergency Actions**

Special Case Resources: None  
Emergency Demand Response Program: None  
Purchases: None  
Sales: None

**TLR 3 Declared**

0 TLR Level 3's were declared for the month of July for a total of 0 hours

**Inadvertent Accumulations for June-2016**

	Monthly <u>Accumulation</u>		End of Month <u>Balance</u>	
On-Peak:	8,209	MWh	311,920	MWh
Off-Peak:	5,957	MWh	192,253	MWh

**NERC Control Performance**

CPS1: 173.29 %  
BAAL Violations 0

**NERC/NPCC Reportable DCS Events**

\*At 09:41 on July 6, 2016, a RPU and SAR were initiated for loss of Indian Point 2 loaded at 1000MW. ACE crossed zero, and the RPU was terminated at 09:51. SAR was terminated at 10:10.

\*At 09:45 on July 6, 2016, during this RPU a loss of Astoria Energy loaded at 554MW occurred.

Recovery was completed as part of the RPU initiated at 09:41 and terminated at 09:51.

\*\*At 13:13 on July 13, 2016, a RPU and SAR were initiated for loss of Bowline 2 loaded at 540MW. ACE crossed