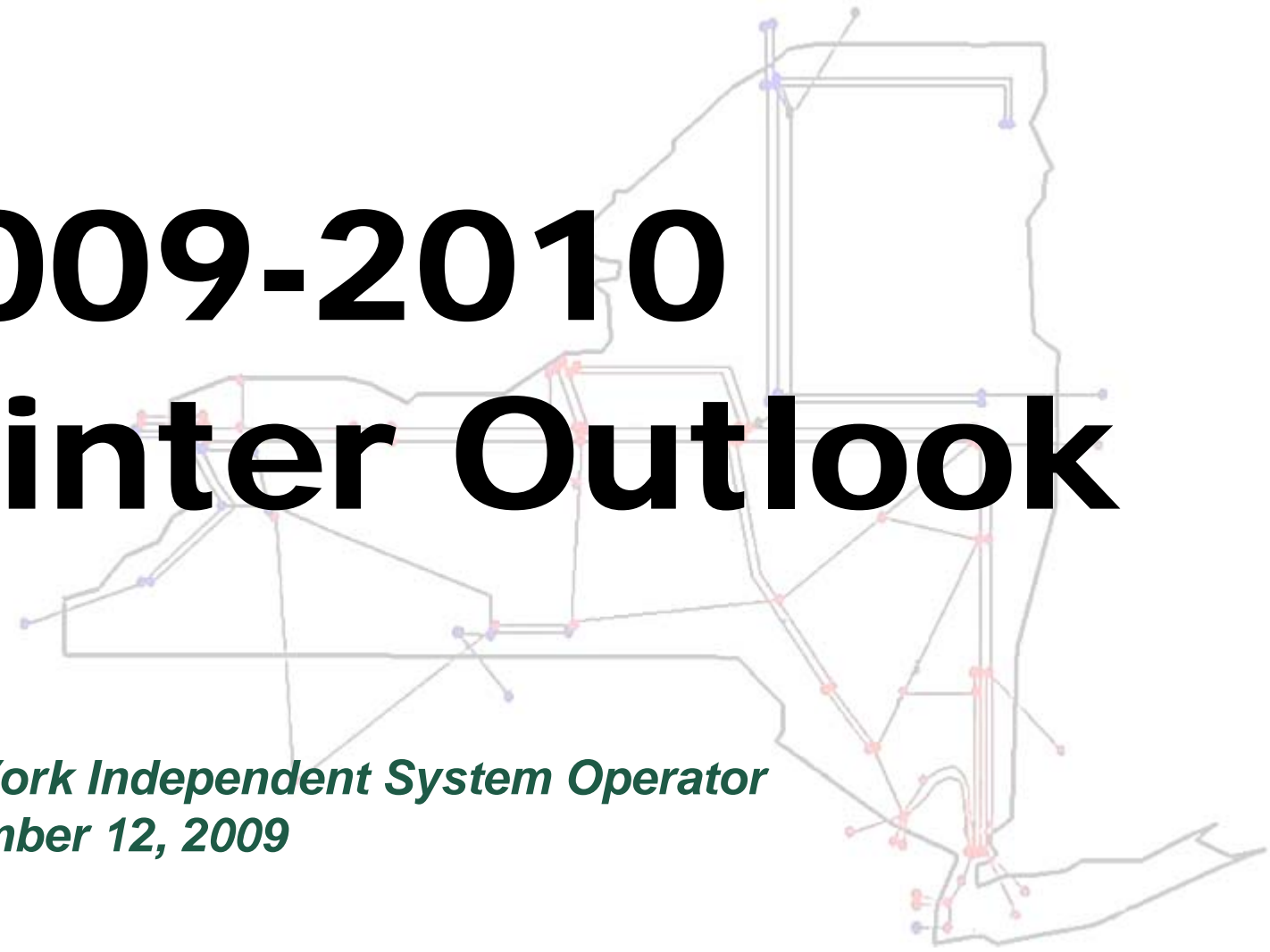


2009-2010 Winter Outlook

A faint, light gray map of New York State is overlaid with a complex network of lines and nodes. The lines represent transmission lines, and the nodes are small colored dots (purple, red, and blue) representing substations or interconnectors. The network is dense in the western and central parts of the state and more sparse in the eastern part.

*New York Independent System Operator
November 12, 2009*

Contents

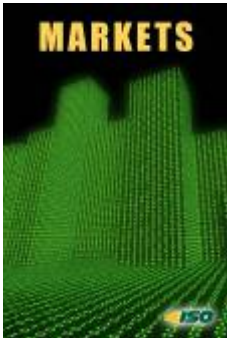
- ◆ **NYISO Roles**
- ◆ **Winter Peaks**
- ◆ **Actual and Forecast Peaks (2006 – 2009)**
- ◆ **Peak Load and Capacity Assessment**
- ◆ **Generation Resources**
- ◆ **Peak vs. Average Demand**

The Roles of the NYISO



Reliable operation of the bulk electricity grid

- *Managing the flow of power over 11,000 circuit-miles of high voltage transmission lines from more than 500 generating units*



Design and implementation of open and competitive wholesale electricity markets

- *Market transactions totaling more than \$70 billion since inception in 1999*



Planning for New York's energy future

- *Assessing needs over a 10-year horizon and evaluating the feasibility of projects proposed to meet those needs*

Winter Peaks



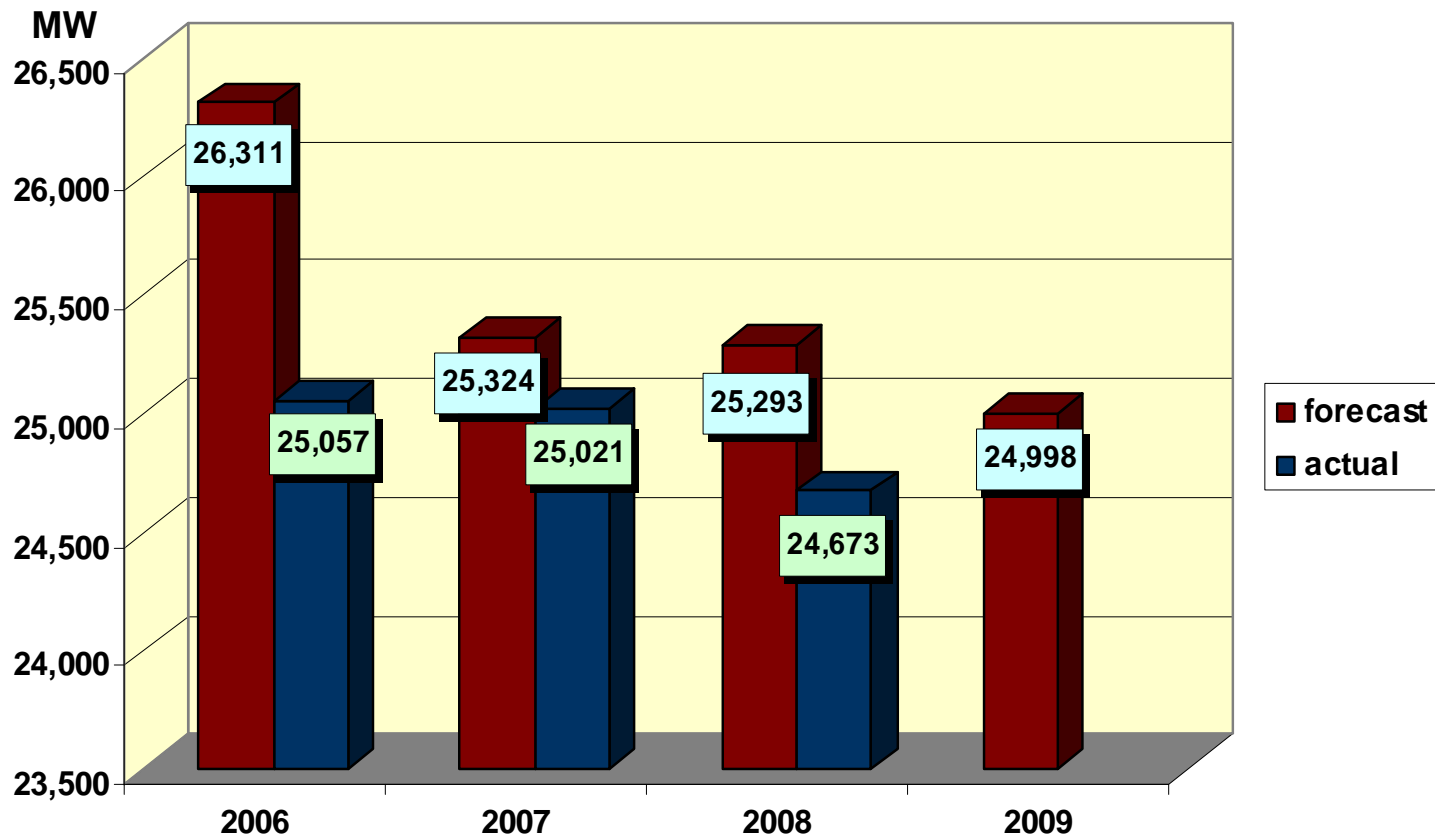
Winter '09-10 Forecast 24,998 MW

Winter '08-'09 Forecast 25,293 MW

Winter '08-'09 Actual 24,673 MW

**Record Winter Peak 25,541 MW
(12/20/04)**

Actual & Forecast Winter Peaks



Peak Load & Capacity Assessment

<i>Installed Capacity (ICAP)</i>	39,948 MW
<i>Net Capacity Purchases and Sales</i>	+ 85 MW
<i>Scheduled Generation Outages</i>	- 3,041 MW
<i>Allowance for unplanned outages</i>	<u>- 2,065 MW</u>
NET CAPACITY FOR LOAD	34,927 MW
<i>NYISO Forecast – Winter Peak</i>	- 24,998 MW
<i>Available Reserve</i>	= 9,929 MW
<i>Operating Reserve Requirement</i>	<u>- 1,800 MW</u>
NET MARGIN	8,129 MW

SOURCE: DRAFT NYISO Operating Study Winter 2009/2010

Generation Resources

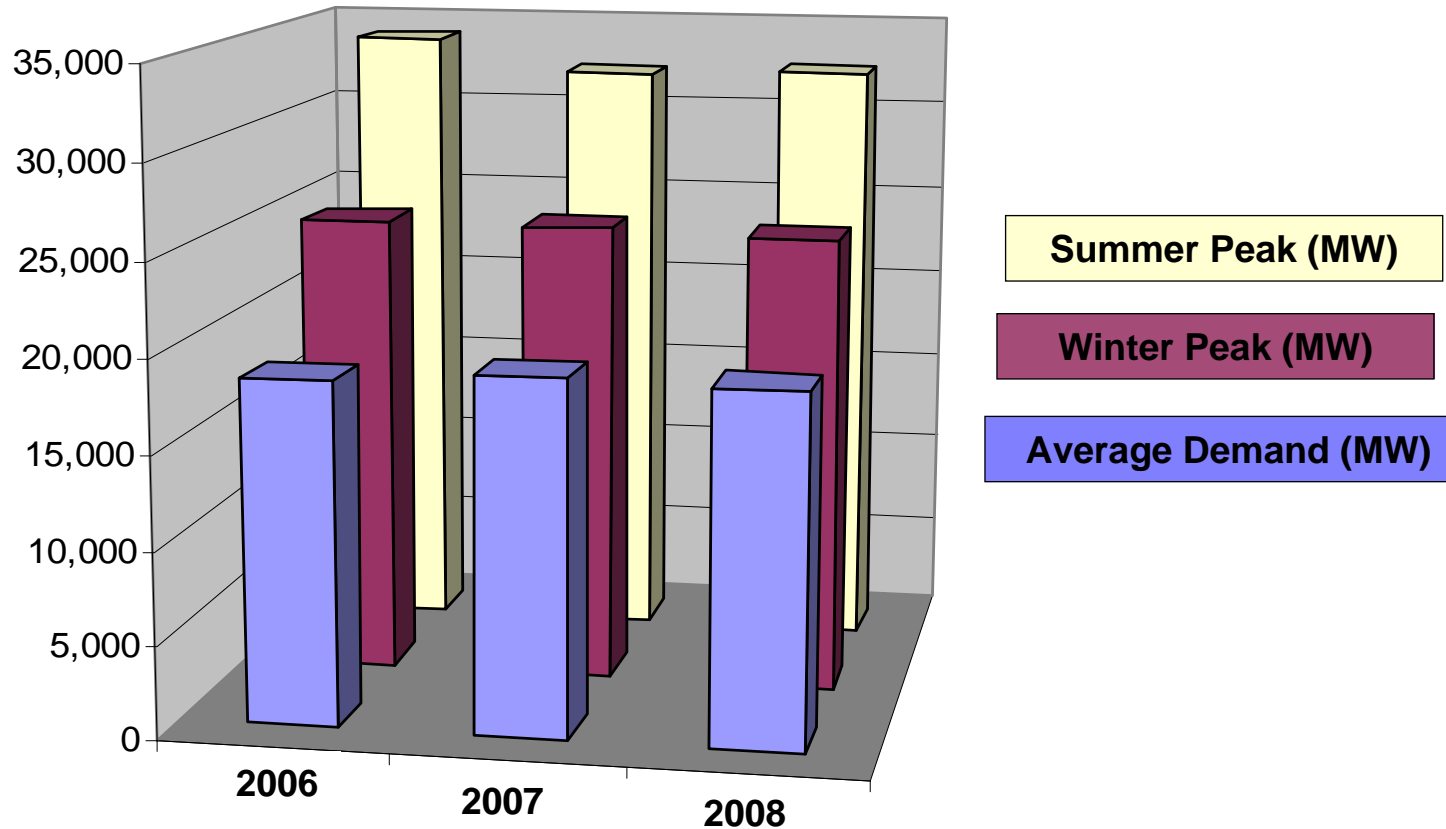
Changes since Winter 2008-2009

<u>RETIREMENTS</u>	<u>985 MW</u>
Westover 7	40 MW
Greenidge 3	55 MW
Poletti	890 MW

<u>ADDITIONS</u>	<u>938 MW</u>
Seneca Energy Uprate	6 MW
Sherman Island Uprate	9 MW
Steel Winds II Uprate	14 MW
Gilboa 3 Uprate	30 MW
Altona Wind Farm	98 MW
Chateaugay Wind Farm	107 MW
High Sheldon Wind Farm	113 MW
Canandaigua Wind Farm	125 MW
Wethersfield Wind Farm	126 MW
Caithness Combined Cycle Plant	310 MW

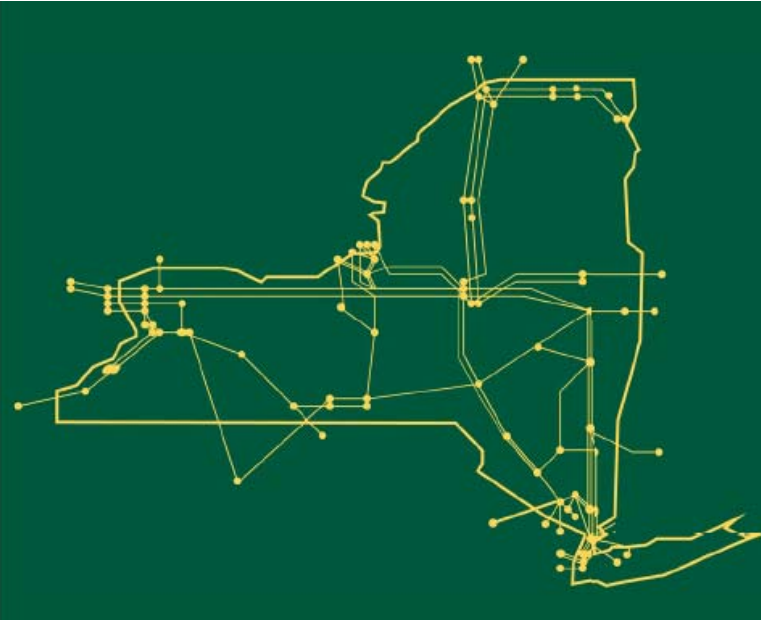
SOURCE: DRAFT NYISO Operating Study Winter 2009/2010

Peak vs. Average Demand



Summer Peak Demand represents the single hour of highest power usage (in MW) between May and October.
Winter Peak Demand represents the single hour of highest power usage (in MW) between November and April.
Average Demand represents the average power usage (in MW) for every hour of every day of the year.

The New York Independent System Operator (NYISO) is a not-for-profit corporation that began operations in 1999. The NYISO operates New York's bulk electricity grid, administers the state's wholesale electricity markets, and conducts comprehensive planning for the state's bulk electricity system.



www.nyiso.com