

# By The Numbers

## Power Resources

### Generation

Total Generation .....	37,416 MW
Generation Added Since 2000 .....	7,823 MW

### Transmission

Total Circuit Miles of Transmission .....	10,877 miles
Transfer Capability Added Since 2000 .....	1,290 MW

### Demand Response

Total Demand Response as of August 2009 .....	2,383 MW
---	----------

### Reliability Requirements

Reliability Requirement for Summer 2010 .....	38,970 MW
Total Resources to meet Requirement .....	43,001 MW

### Renewables

Total Renewable Resource Capacity .....	4,722 MW
Total Existing Wind Generation (nameplate) .....	1,275 MW
Proposed Wind Generation (nameplate) .....	7,000 MW
Percentage of Electricity from Renewables in 2009 .....	22 percent

## Power Demands

Total Usage in 2009 .....	158,780 GWh
Total Usage in 2008 .....	165,613 GWh
Forecast Peak Usage for 2010 .....	33,025 MW
Forecast Peak Usage for 2009 .....	33,452 MW
Actual Peak Usage for 2009 .....	30,844 MW
Record Peak Usage (August 2, 2006) .....	33,939 MW

## Power Prices

Average Annual Cost of Electricity in 2009 .....	\$48.63 per MWh
Average Annual Cost of Electricity in 2008 .....	\$95.31 per MWh
Average Annual Cost of Natural Gas in 2009 .....	\$4.87 per MMBtu
Average Annual Cost of Natural Gas in 2008.....	\$10.13 per MMBtu

The New York Independent System Operator (NYISO) is a not-for-profit corporation responsible for operating the state's bulk electricity grid, administering New York's competitive wholesale electricity markets, conducting comprehensive long-term planning for the state's electric power system, and advancing the technological infrastructure of the electric system serving the Empire State.

*Power Trends 2010* is the latest edition of the NYISO's annual analysis of factors influencing New York State's bulk power grid and wholesale electricity markets. Begun in 2001 as *Power Alert*, the report provides a yearly review of key developments and emerging issues.



New York Independent System Operator  
10 Krey Boulevard  
Rensselaer, NY 12144  
[www.nyiso.com](http://www.nyiso.com)