

New York ISO Electric-Gas Coordination Update

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**Federal Energy Regulatory
Commission**
Washington, DC
October 17, 2013

Topics

- **NYISO Summer Operations**
 - July Heat Wave Review
- **New Pipeline Infrastructure**
- **Winter Preparation**

July 15-19 Heat Wave

- Significant heat wave across the entire Eastern Interconnection for six consecutive days, characterized by high temperatures and high humidity levels
- NYISO set a new, all-time peak load of 33,956 MW on Friday, July 19 for Hour Beginning 16
 - Previous all-time peak load of 33,939 MW was recorded on Wednesday, August 2, 2006
- All operating criteria met during the week of July 15-19, 2013

Operating Observations

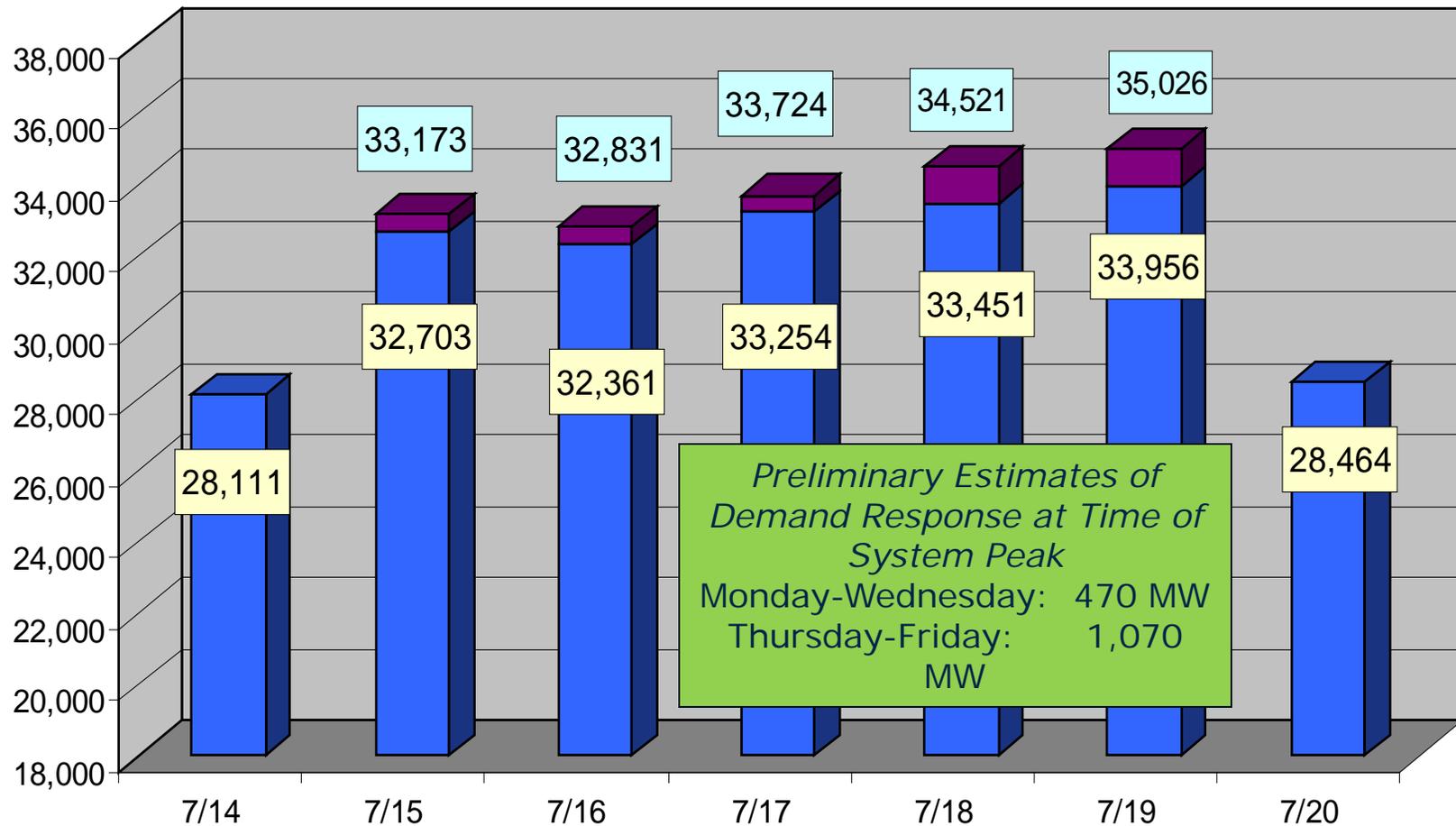
- **Generation performance was excellent during the week of the heat wave**
 - All available generators were scheduled for operation from July 17-19
 - Very few forced outages throughout the six day heat wave event

Operating Observations

- **Some outages were related to fuel unavailability**
 - Less than 1% of generator derates were associated with inability to get gas
- **Many gas pipeline and LDC system alerts issued were related to gas pipeline balancing limitations**
 - No significant impact on NYISO Operations
 - Pressure reduction at LDC: Slight impact on unit operating capacity one day during heat wave

Daily Peaks & Demand Response - MW

July 14 to July 20, 2013

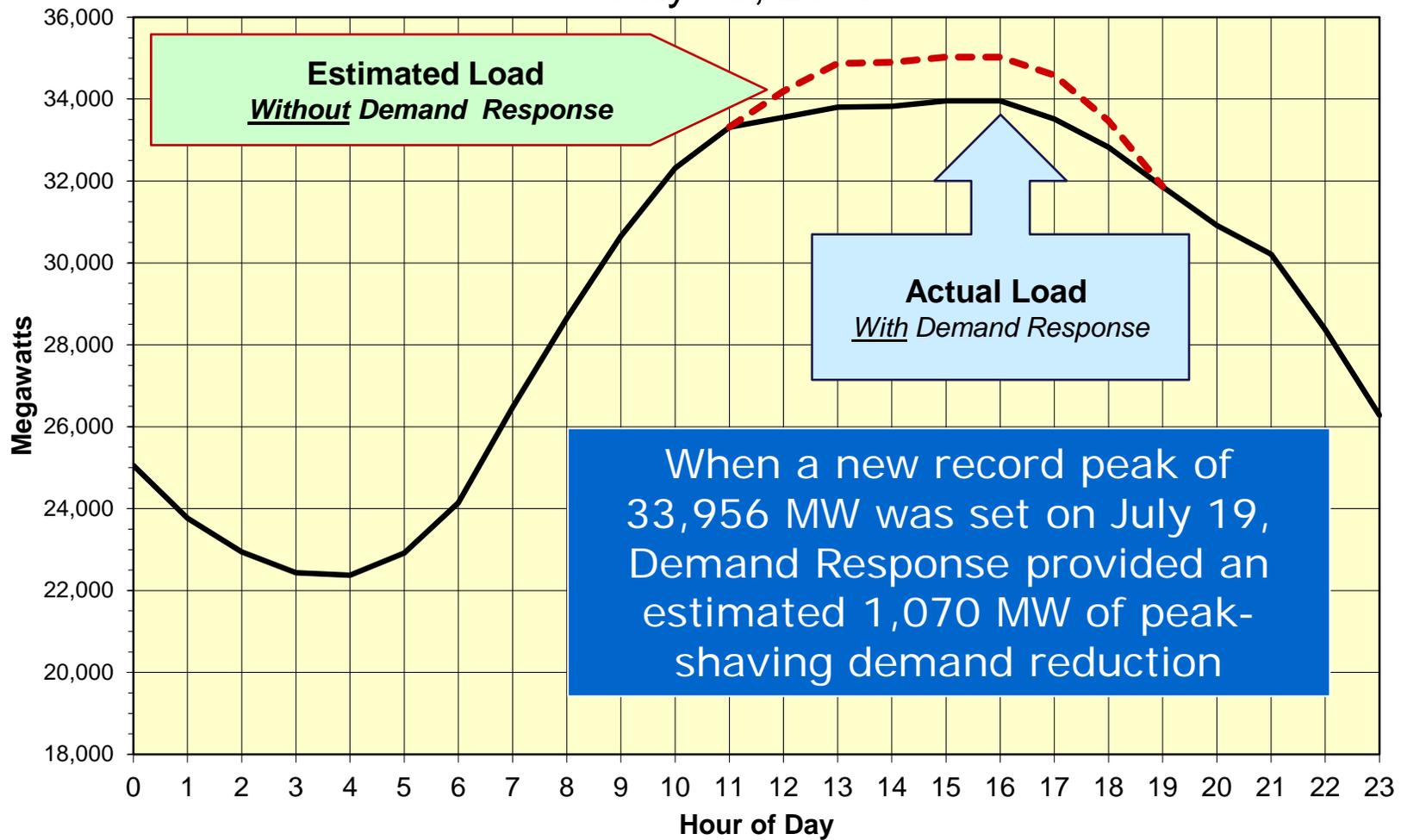


NOTE: Demand Response data are preliminary estimates

Actual Load Demand Response

New York Control Area Hourly Load

July 19, 2013



New Pipeline Infrastructure

- **New pipeline expansion projects into NYC total more than 1 Bcf/day additional capacity**
 - Transco Northeast Expansion Project (250,000 DT/day)
 - Spectra NY-NJ Expansion Project (800,000 DT/day)
 - Tennessee Northeast Upgrade Project (636,000 DT/day across the 300-Line)
- **Operational November 1, 2013**

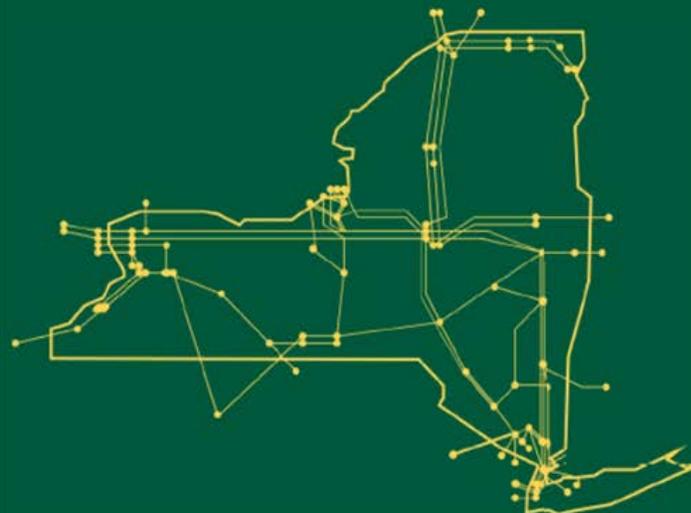
Winter Preparation

- **Fuel Survey Complete**
 - All gas-fired, oil-fired, and dual-fuel capable generators
- **Ongoing pipeline maintenance coordination**
 - Expansion-related outages expect to be completed November 1

Winter Preparation

- **New Operations Procedures for Electric-Gas Coordination**
 - Extreme cold weather
 - Pipeline system alerts and OFOs
- **Gas Visualization Board in Control Center**
- **Levitan & Associates: Infrastructure and supplies are sufficient to meet demand**

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.



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