

# NYISO Summer 2017

# Hot Weather Operations

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Wes Yeomans

VICE PRESIDENT OPERATIONS

**Management Committee**

September 27, 2017, Albany, NY

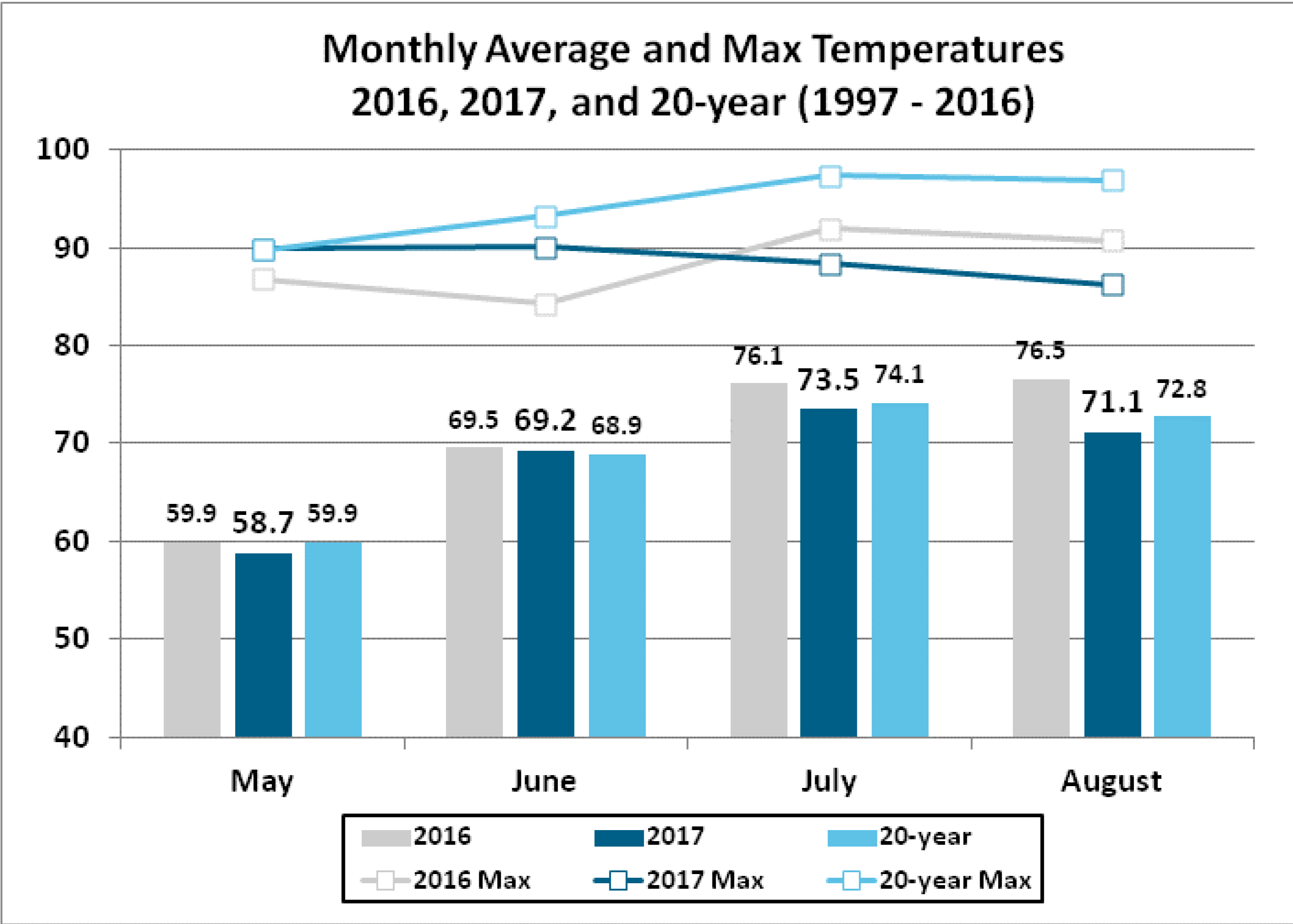
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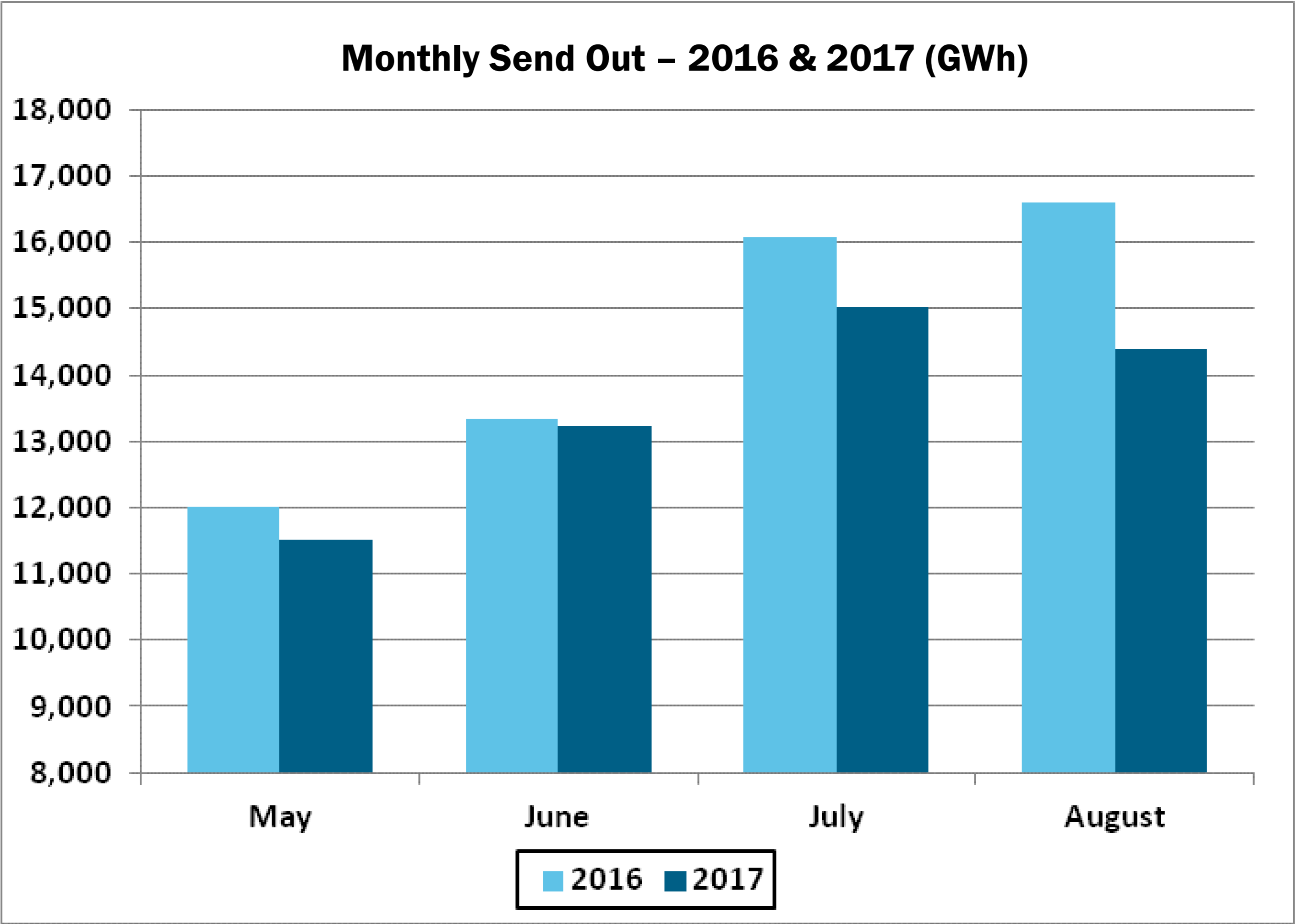
# Summer 2017

- **The Summer 2017 actual ambient temperatures, total summer loads, and peaks were all below 50/50 projections**
- **New York did experience two instances of hot weather, but both for very short durations**
  - Fourth consecutive summer with the actual peak below the 50/50 peak forecast.



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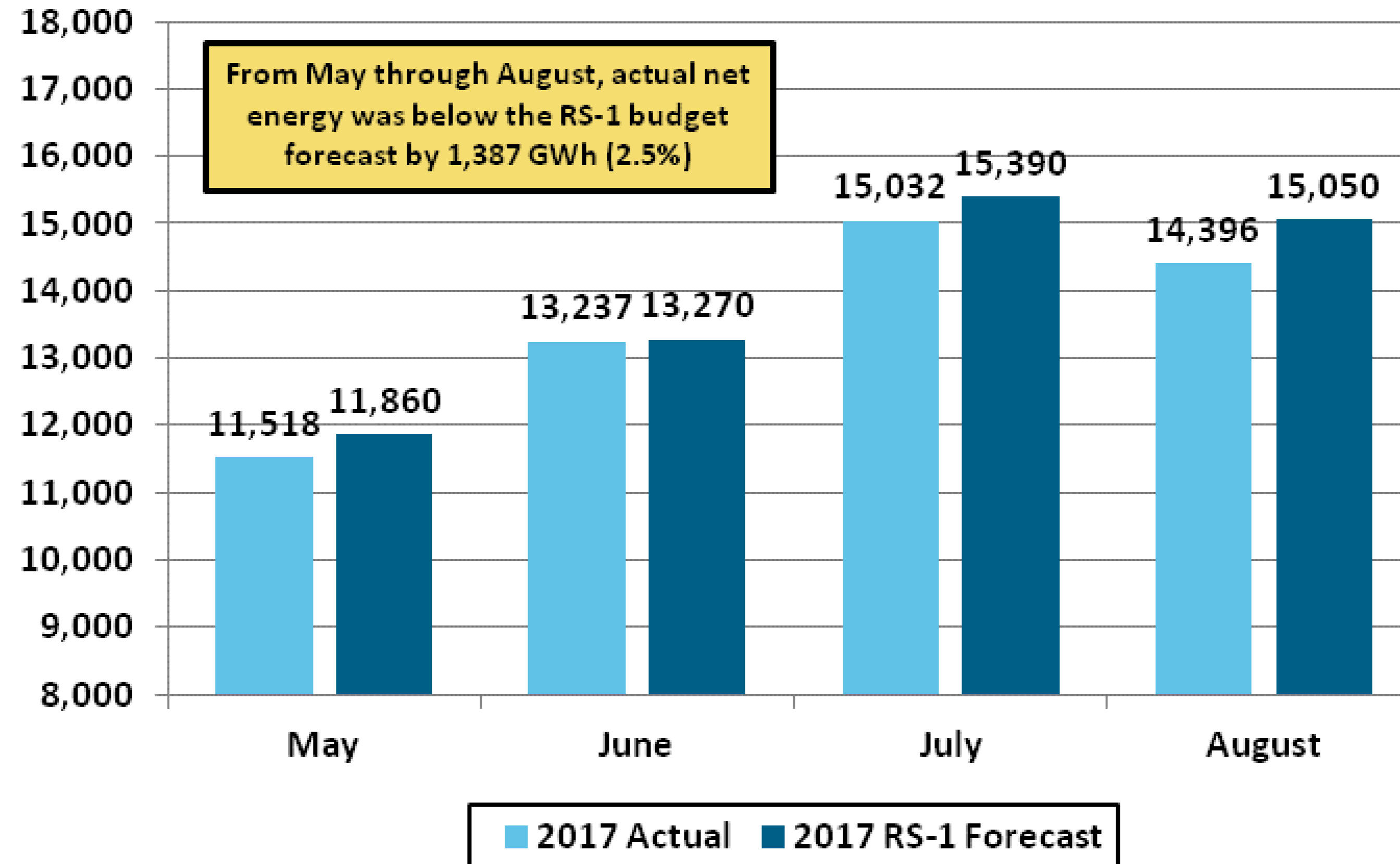




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## 2017 Monthly Net Energy - GWh Actual and RS-1 Budget Forecast



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# June 11-13, 2017

- **The hot weather crossed upstate New York and New York City over the June 11-13 time period**
  - Albany area experienced actual ambient temperatures of 95 F, and LaGuardia experienced actual ambient temperatures of 100 F. The June 13 peak load was 29,126 MW (not Summer 2017 peak)
- **June 12 HB 10-HB23, Bowline 2 was SRE'd for SENY Capacity needs**
- **Some TO DR program activations**
- **Long term transmission forced outages:**
  - NJ-NY HTP Cable
  - Ramapo Phase Angle Regulator Transformer #3500

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# July 19, 2017

- **The Summer 2017 Actual Peak of 29,699 MW occurred on July 19**
  - Less than the 50/50 peak forecast of 33,178 MW
  - All reliability operating criteria was met over the peak
- **No state-wide out-of-market commitments needed for reliability**
- **No activations of NYISO Demand Response (DR) nor utility DR**
- **Long term transmission forced outages:**
  - NJ-NY HTP Cable
  - Ramapo Phase Angle Regulator Transformer #3500

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# NYCA - Actual, Day-Ahead and Weather-Adjusted Loads

Wednesday, July 19, 2017

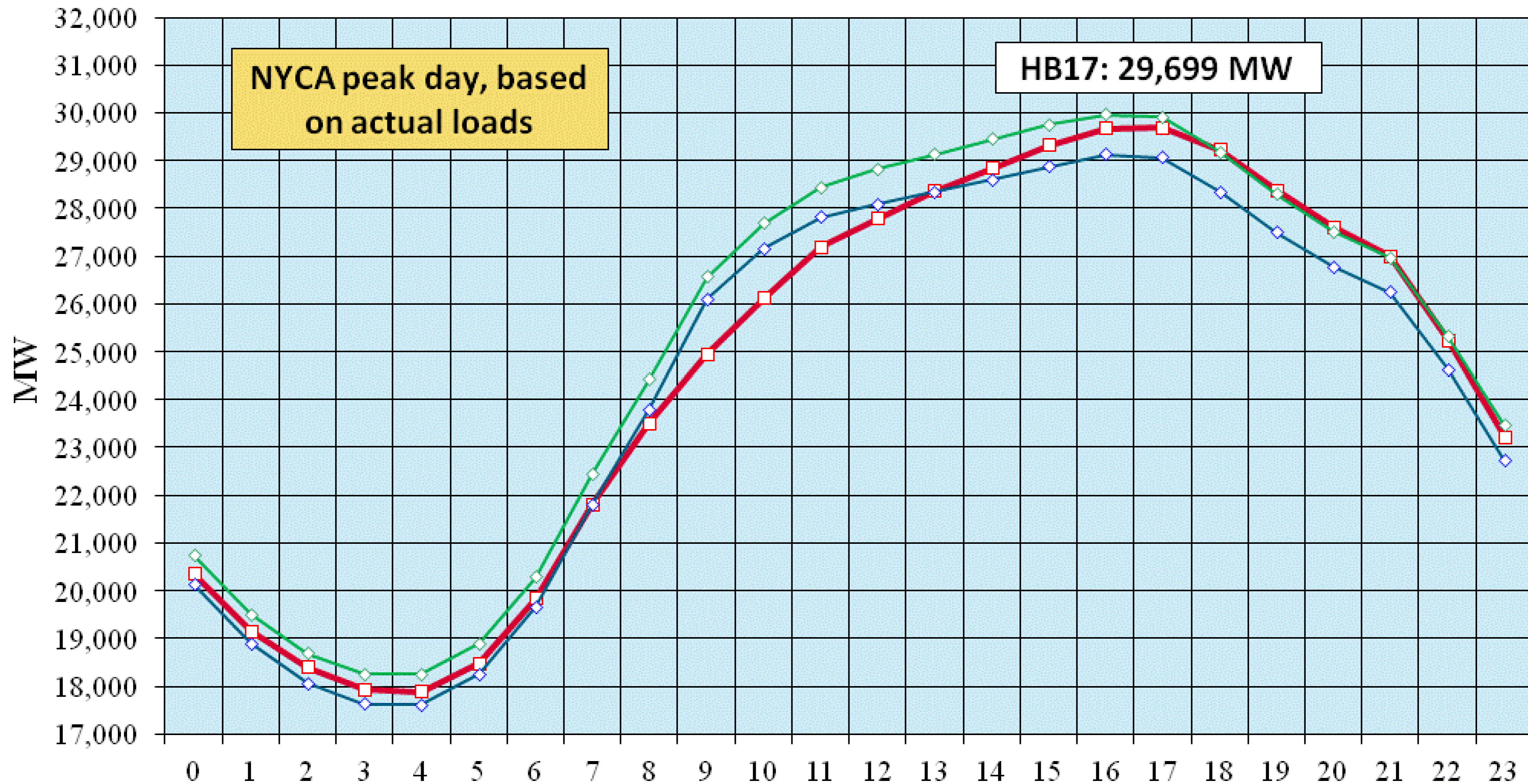


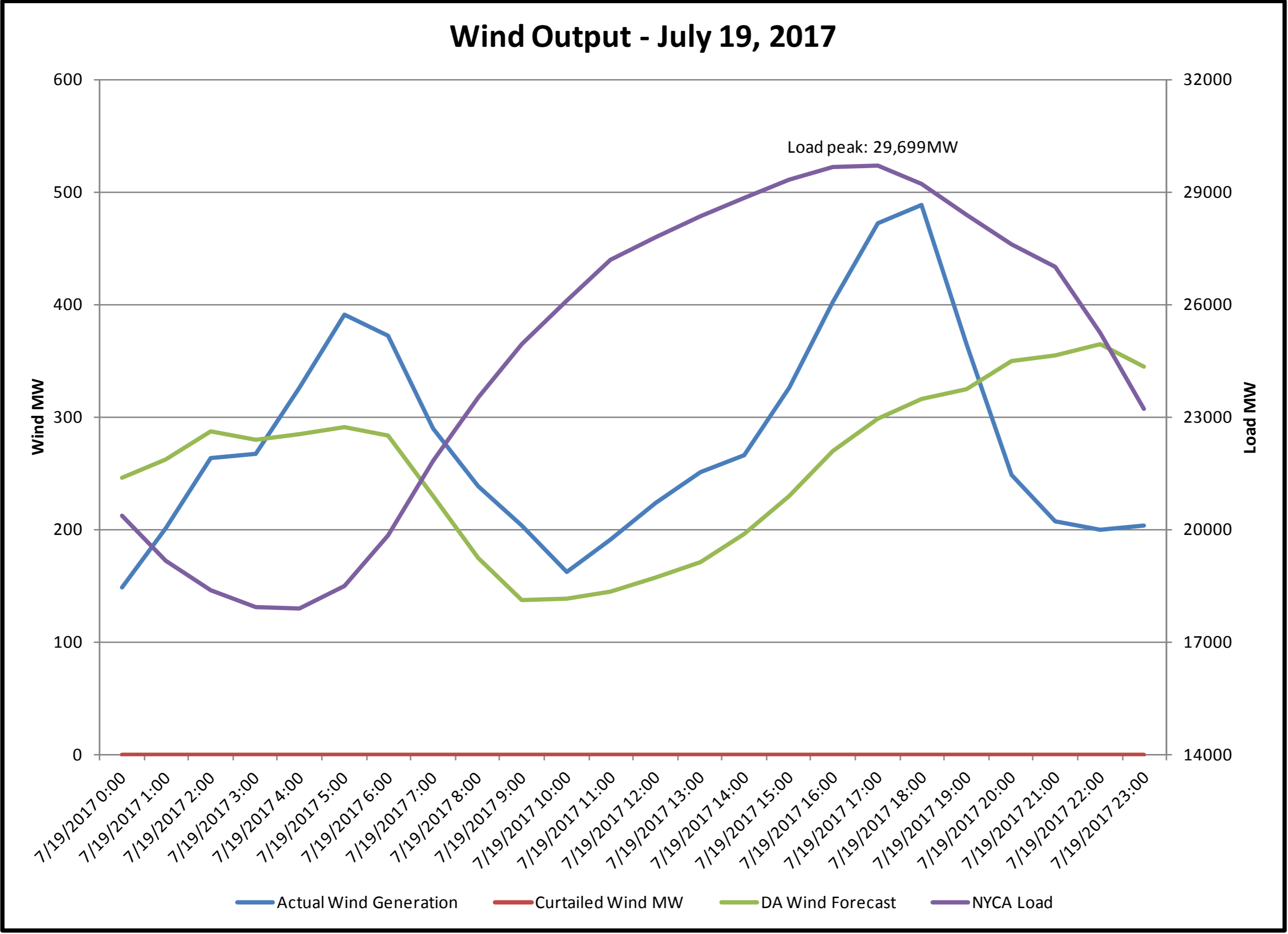
Chart is in Eastern Daylight Time

Actual Day-Ahead Weather-Adjusted

Day-Ahead Forecast Includes Actual Losses



# Peak Day- Wind Performance



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# Summer Transmission Project

## ■ **NYSEG Auburn Transmission Project:**

- Construction of the new 115 kV Elbridge – State St. 6-710 line and reconductoring of the existing 115 kV Elbridge – State St. 5-972 were both completed in early July. (provides higher thermal ratings)
- These upgrades alleviate the need for Cayuga Unit generation to maintain local reliability

## ■ **Dolson Ave.:**

- The new 345 kV Dolson Ave. Substation interconnection for the CPV Valley Energy Center was completed in early September

## ■ **The second Ramapo Phase Angle Regulator (3500) returned in-service September 14**

# The Mission of the New York Independent System Operator, in collaboration with its stakeholders, is to serve the public interest and provide benefits to consumers by:

- Maintaining and enhancing regional reliability
- Operating open, fair and competitive wholesale electricity markets
- Planning the power system for the future
- Providing factual information to policy makers, stakeholders and investors in the power system

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