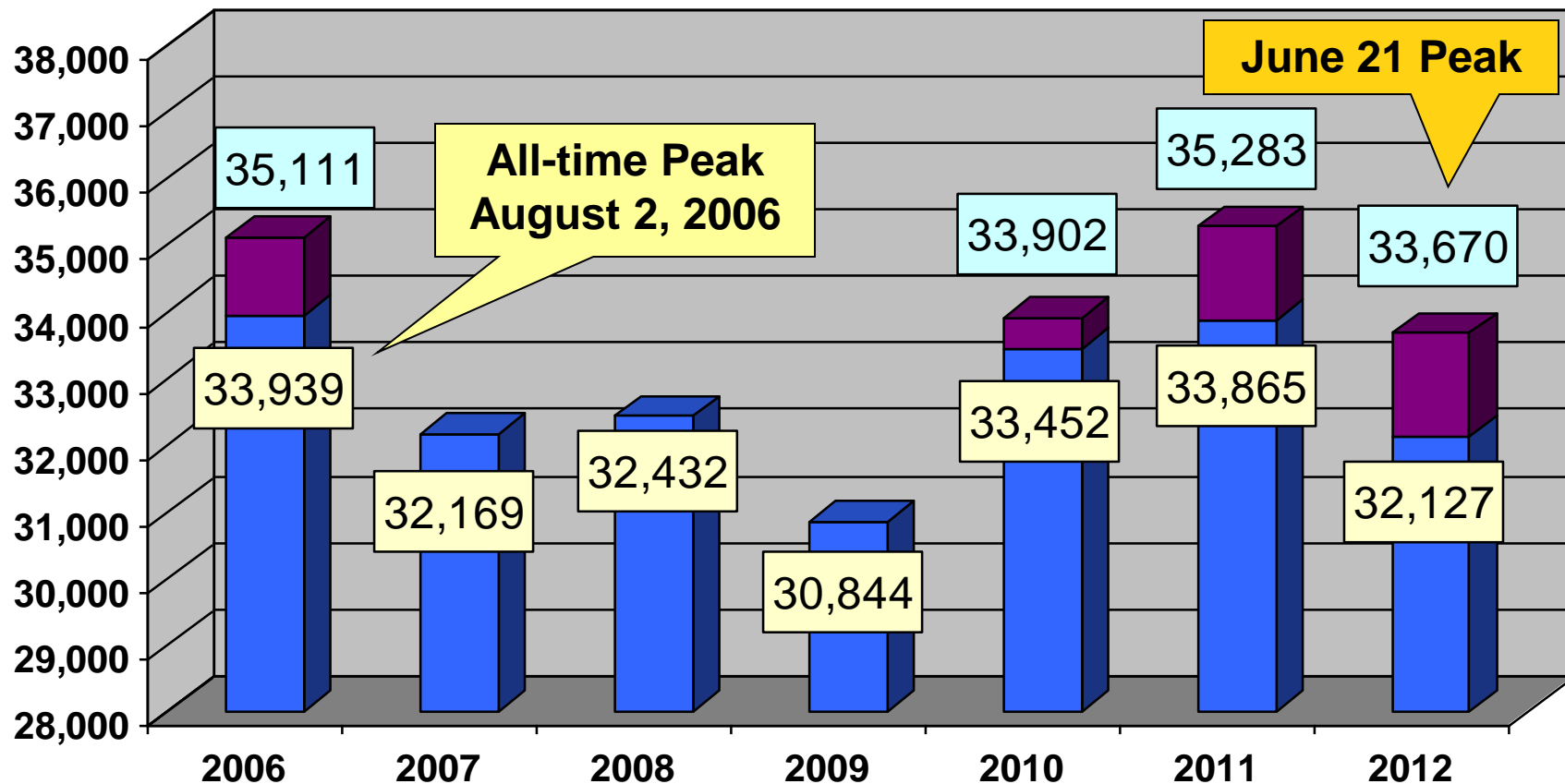


# **Heat Wave Operations June 20-22, 2012**

Management Committee Meeting  
July 25, 2012

## Summer Peak Loads - 2006 to 2012 (MW)

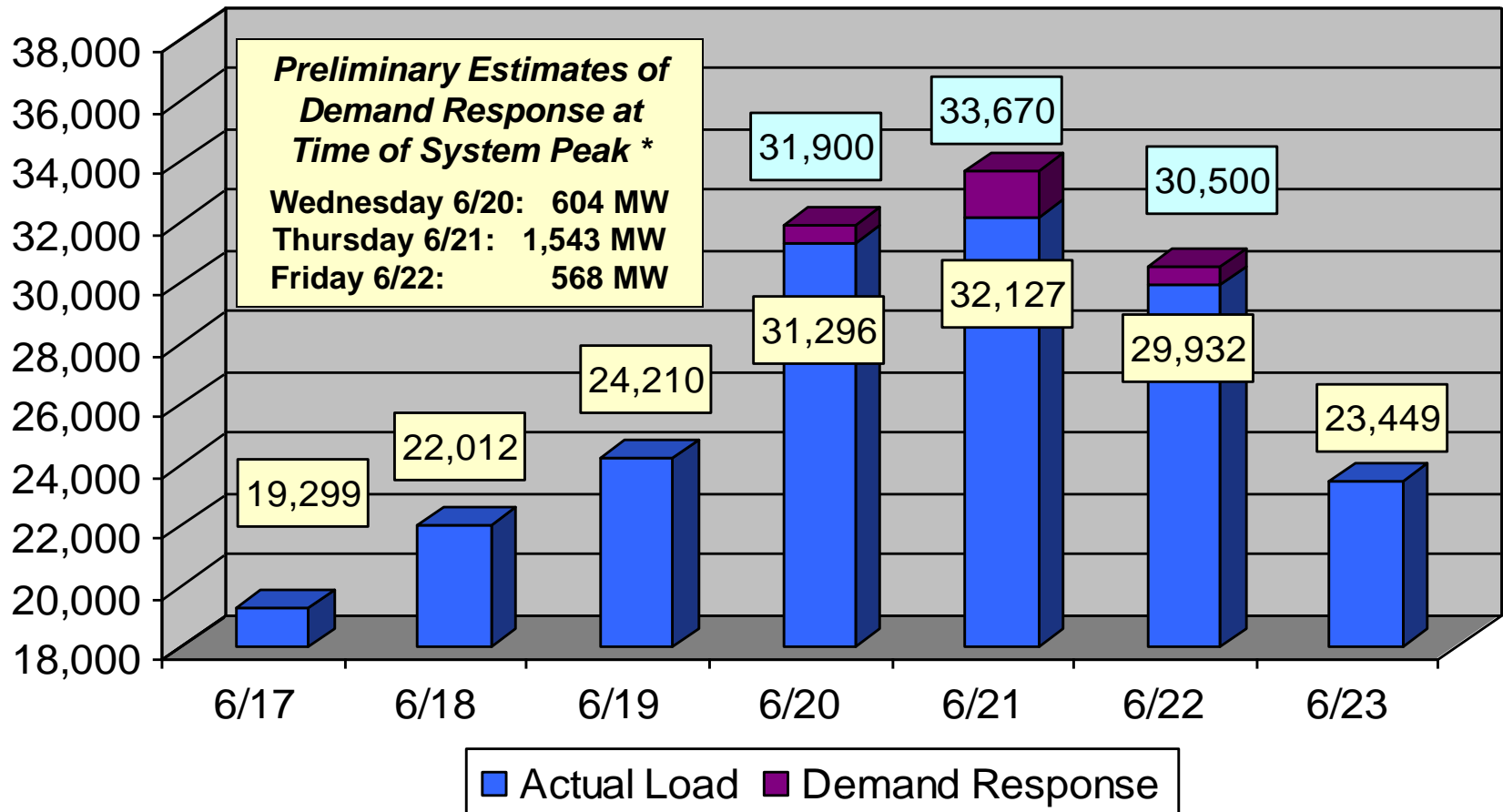


2012 Demand Response is a preliminary estimate.

Actual Load Demand Response

## Daily Peaks & Demand Response - MW

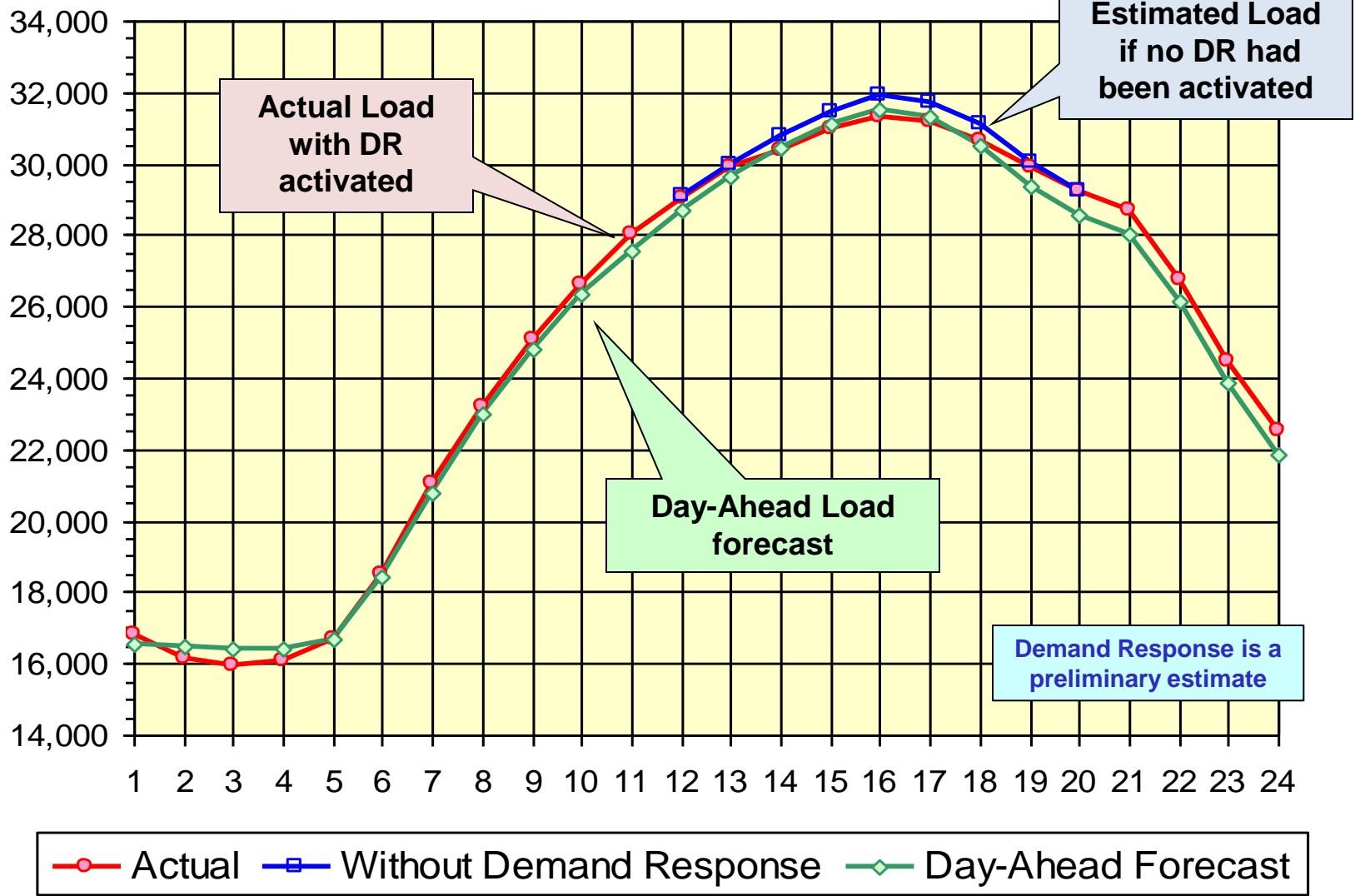
June 17 to June 23, 2012



\*Demand response reflects backcasting methodology

# NYCA - June 20, 2012

## With & Without Demand Response



# Wednesday - June 20, 2012

## ✓ Statewide System Demand:

- *Actual peak NYCA system load was 31,296 MW*
- *EDRP/SCR estimated value as provided by RIPs was 616 MW*
- *ISO Day-Ahead load forecast was 31,700 MW*

## ✓ Transmission Operations:

- *HQ Chateaugay –Massena 765kV Interconnection forced out from 6/19 HB17 through 6/20 HB13*
- *PJM Neptune HVdc Interconnection forced out*

## ✓ Generation Operations:

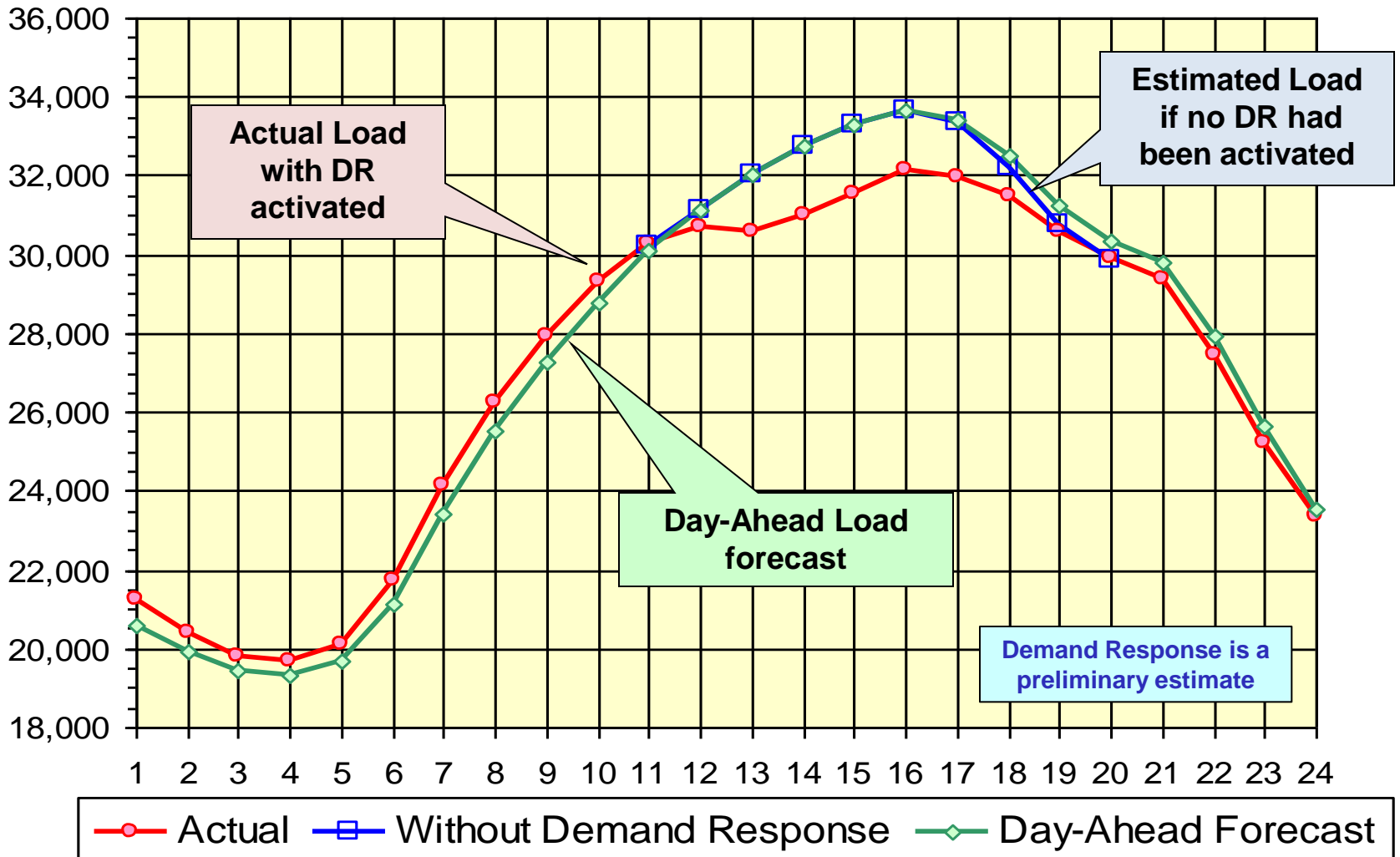
- *Over 1,100 MW of Southeast NY (SENY) capacity was unavailable for operation—resulting in the need for SENY Demand Response at lower statewide demand levels than prior years*
- *ISO SRE of Danskammer 1&2 for SENY transmission security*
- *ISO SRE of Oswego 6 for statewide capacity needs following forced outage of HQ Chateaugay-Massena 765kV Interconnection*

## ✓ Demand Response Operations:

- *EDRP and SCR resources were activated in Zones G-J from HB14 through HB17*
  - ✧ *Activated for SENY transmission security (requirement to restore system power flows to within normal operating limits within 30 minutes)*
- *EDRP and SCR resources were activated in Zone C from HB14 through HB17*
  - ✧ *Activated for Oakdale 345kV voltage*

## NYCA - June 21, 2012

### With & Without Demand Response



# Thursday - June 21, 2012

## ✓ Statewide System Demand:

- *Actual peak NYCA system load was 32,127 MW*
- *EDRP/SCR estimated value as provided by RIPs was 1,703 MW*
- *ISO Day-Ahead load forecast was 33,700 MW*

## ✓ Transmission Operations:

- *HQ Chateaugay –Massena 765kV Interconnection forced out from 6/21 HB10 through 6/21 HB14*
- *PJM Neptune HVdc Interconnection forced out*

## ✓ Generation Operations:

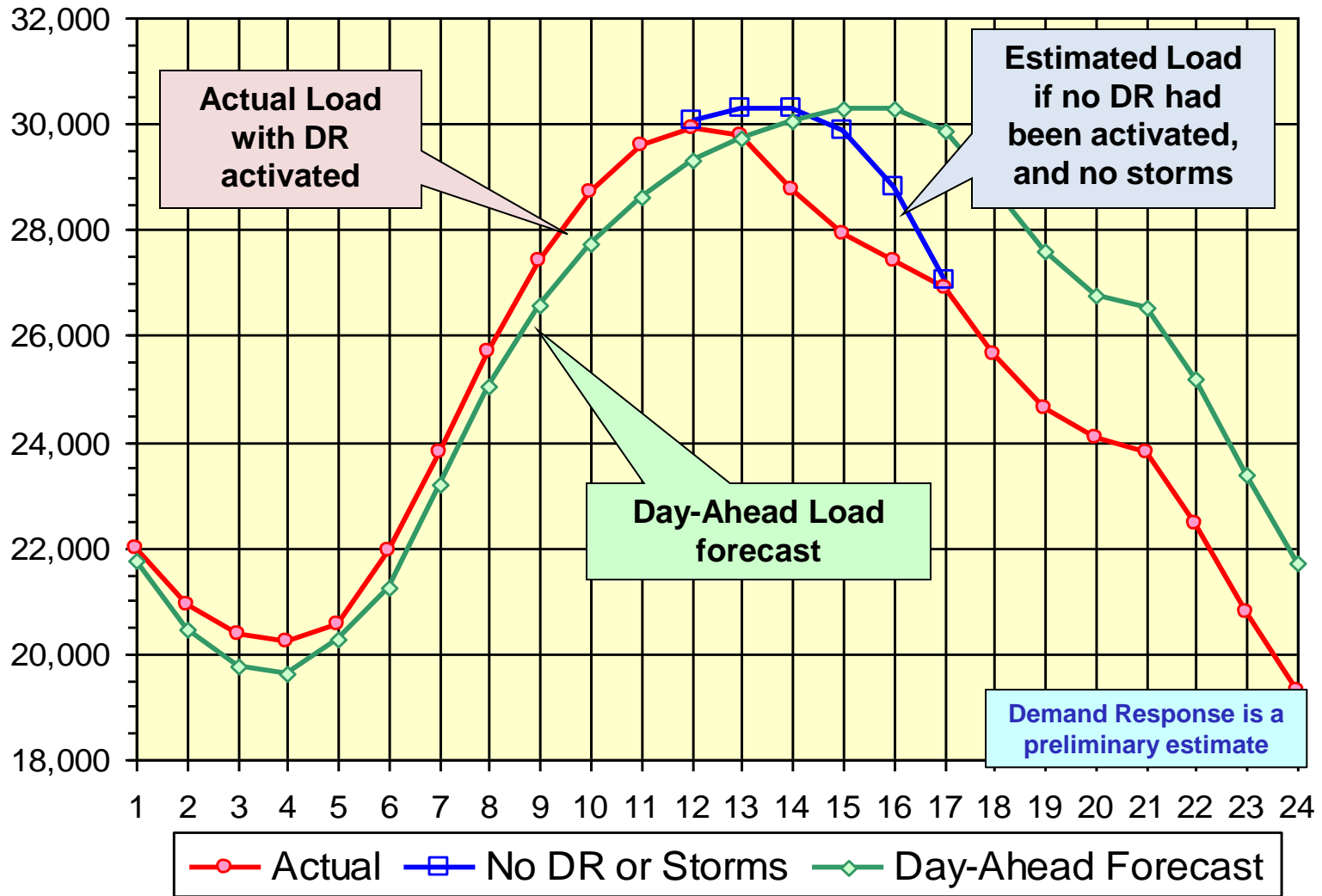
- *Over 1,100 MW of Southeast NY capacity was unavailable for operation at peak*
- *ISO SRE of Oswego 6 and Kintigh for statewide capacity needs*
  - ✧ *Day-Ahead SREs in response to unknown return of HQ 765kV interconnection on 6/20 and start-up notification requirement*

## ✓ Demand Response Operations:

- *EDRP and SCR resources were activated in Zones G–K from HB13 through HB17*
  - ✧ *Activated for Zones G-K transmission security operations*
  - ✧ *Zone J activated beginning at HB12 at Con Edison's request*
- *EDRP/SCR resources were activated for Zones A-F from HB13 through HB17*
  - ✧ *Activated Zone B for Rochester 345/115kV transformer loadings*
  - ✧ *Activated Zone C for Oakdale 345kV voltage*
  - ✧ *Activated Zone A, D, E, F for statewide capacity requirements in response to the loss of over 800 MW of upstate generating capacity*

## NYCA - June 22, 2012

### With & Without Demand Response





# Friday - June 22, 2012

## ✓ Statewide System Demand:

- *Actual peak NYCA system load was 29,932 MW*
- *EDRP/SCR estimated value as provided by RIPs was 656 MW*
- *ISO Day-Ahead load forecast was 30,500 MW*
- *Thunderstorms developed earlier than forecasted and reduced SENY load*

## ✓ Transmission Operations:

- *PJM Neptune HVdc Interconnection forced out*

## ✓ Generation Operations:

- *Over 1,500 MW of Southeast NY capacity was unavailable for operation at peak*
- *ISO SRE of Roseton 1 for SENY transmission security*

## ✓ Demand Response Operations:

- *EDRP and SCR resources were activated in Zones G–K from HB13 through HB17*
  - ✎ *Activated for Zones G-K for forecasted reserve shortages needed to maintain transmission security operations*