



Average Available Surplus in Neighboring Control Areas During Peak Periods

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NYISO*

Agenda

- ◆ **NYISO EA White Paper**
 - *Figure 5*
- ◆ **Additional Analysis**
- ◆ **Top 30 Load Days 2013-2015**
- ◆ **Top 20 Load Days 2013**
- ◆ **Top 20 Lowest NYCA Reserve**
- ◆ **Trends Observed**
- ◆ **Next steps**

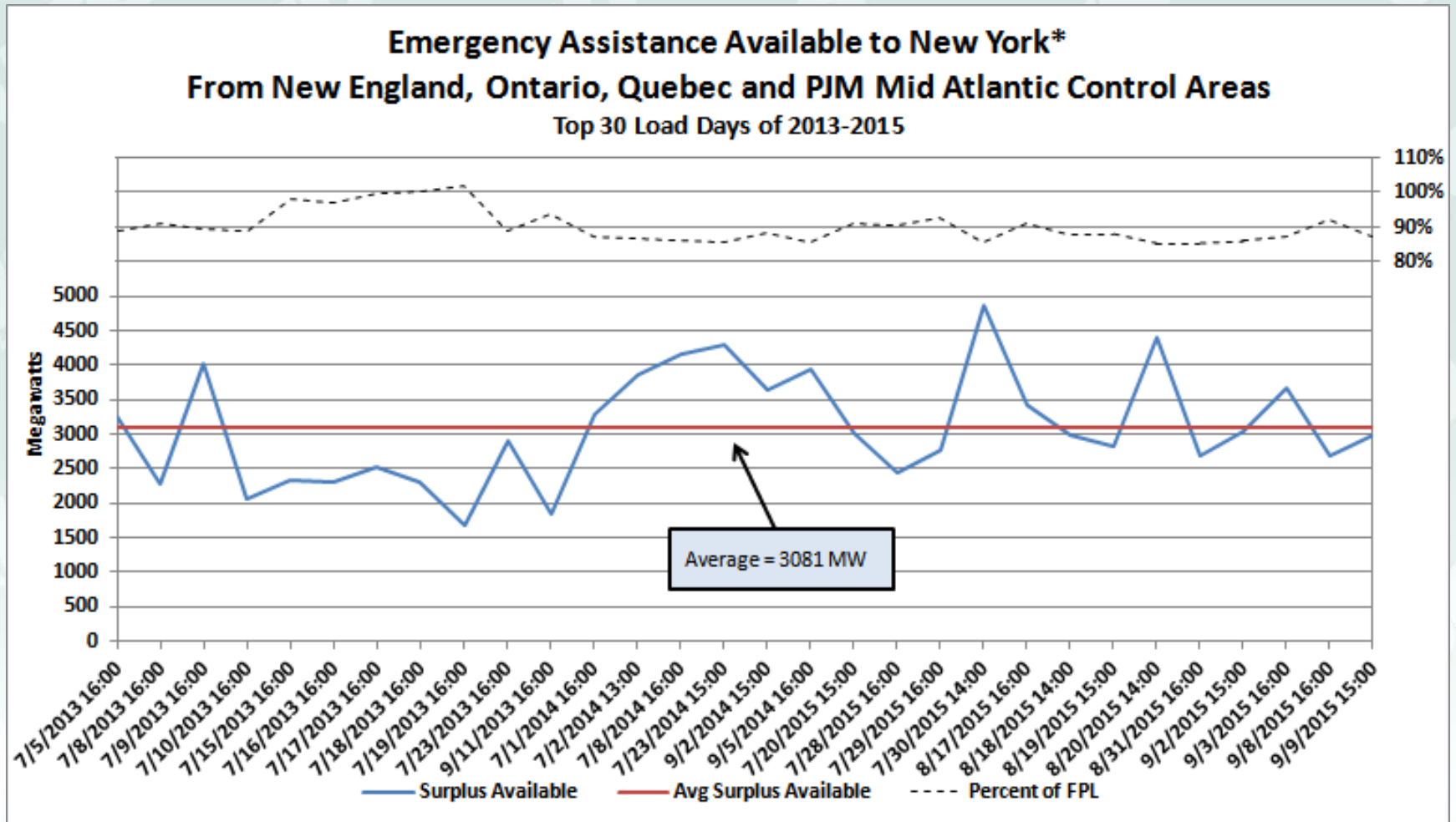
Overview

- ◆ **Figure 5 – NYISO EA White Paper**
 - *Top 5 Load Days (peak hour) in each of 2013, 2014, and 2015*
 - *Average Surplus Available: 2,980 MW*
- ◆ **Surplus data was obtained from the following sources:**
 - *For NYISO, ISO-NE, and IESO, PI data for 10 minute reserve surplus on a hourly basis*
 - *For PJM, publicly posted data was used to determine the Mid-Atlantic Dominion region's 10 minute reserve surplus*

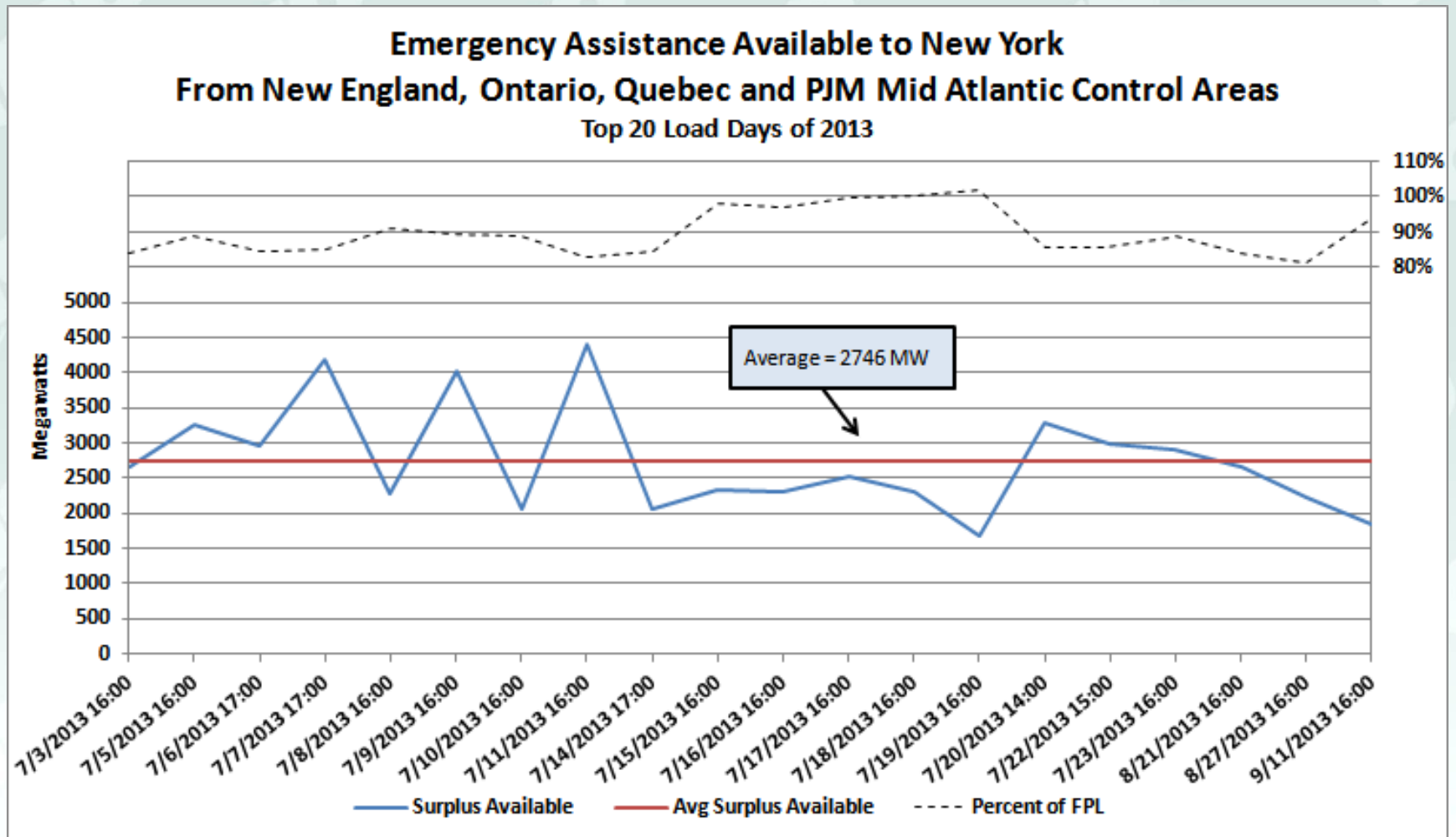
Additional Analysis

- ◆ **Data set remains 2013-2015**
 - *Good representation of high, average, and low load summers*
 - 2013 – high loads
 - 2014 – low loads
 - 2015 – average loads
- ◆ **Actual Load / Forecast Peak Load**
- ◆ **Top 30 Load Days 2013-2015**
- ◆ **Top 20 Load Days 2013**
- ◆ **Top 20 Lowest NYCA Reserve**

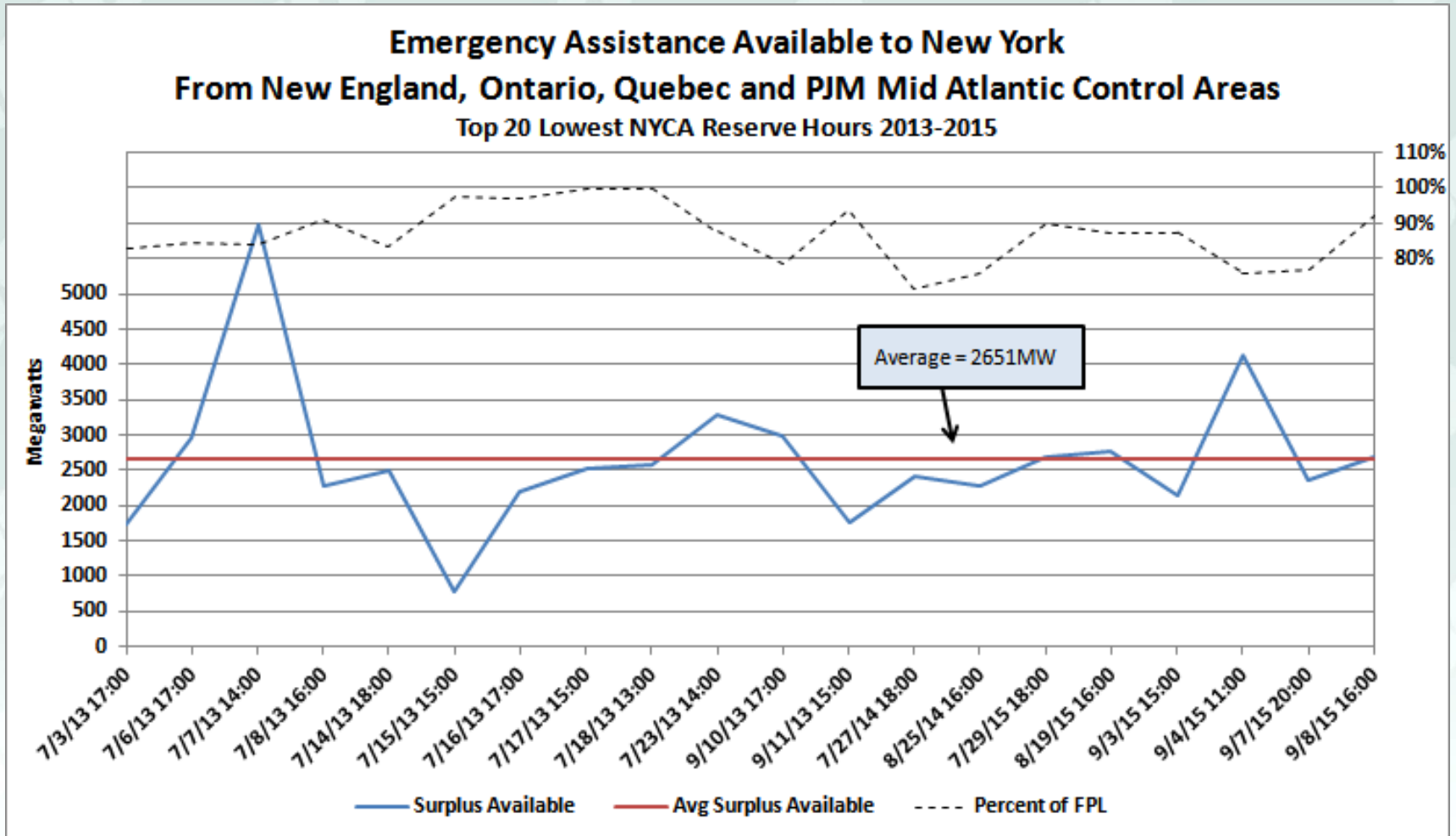
Top 30 Load Days 2013-2015



Top 20 Load Days 2013



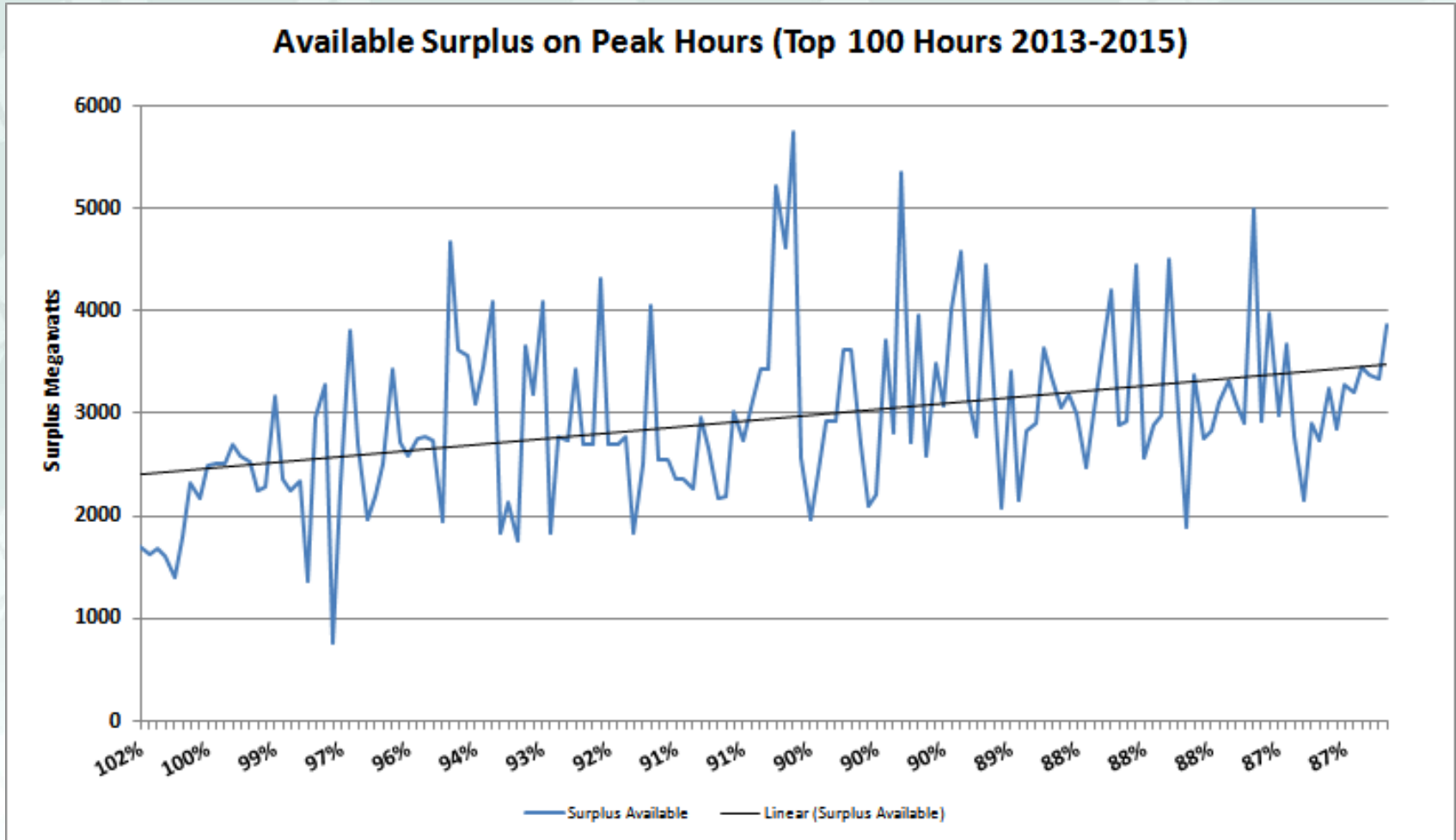
Top 20 Lowest NYCA Reserve



Observed Trends

- ◆ **When actual load is near 100% of forecast peak load, the available surplus appears to average between 2,000 – 2,500 MW.**
- ◆ **When actual load is closer to 87% - 95% of forecast peak load, the available surplus appears to average between 2,500 – 3,000 MW.**

Observed Trends (2013-2015)



Next Steps

- ◆ **Follow up on any feedback from today's ICS meeting at the next ICS meeting, October 5, 2016.**

The mission of the New York Independent System Operator, in collaboration with its stakeholders, is to serve the public interest and provide benefit 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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