

***Application for the Loss of
Generator Gas Supply
- New York City***

SOAS Meeting – Winter 2017-2018

The Study

- **Con Edison conducted a study to verify Loss of Gas / Minimum Oil Burn (LOG/MOB) requirements for the Winter 2017-18 capability period.**
- **The study was conducted using the NYISO's Winter 2017-18 Operating Case and Siemens's Power System Simulation for Engineers (PSS/E).**
- **The study and its findings will be presented to the NYISO for review and approval.**

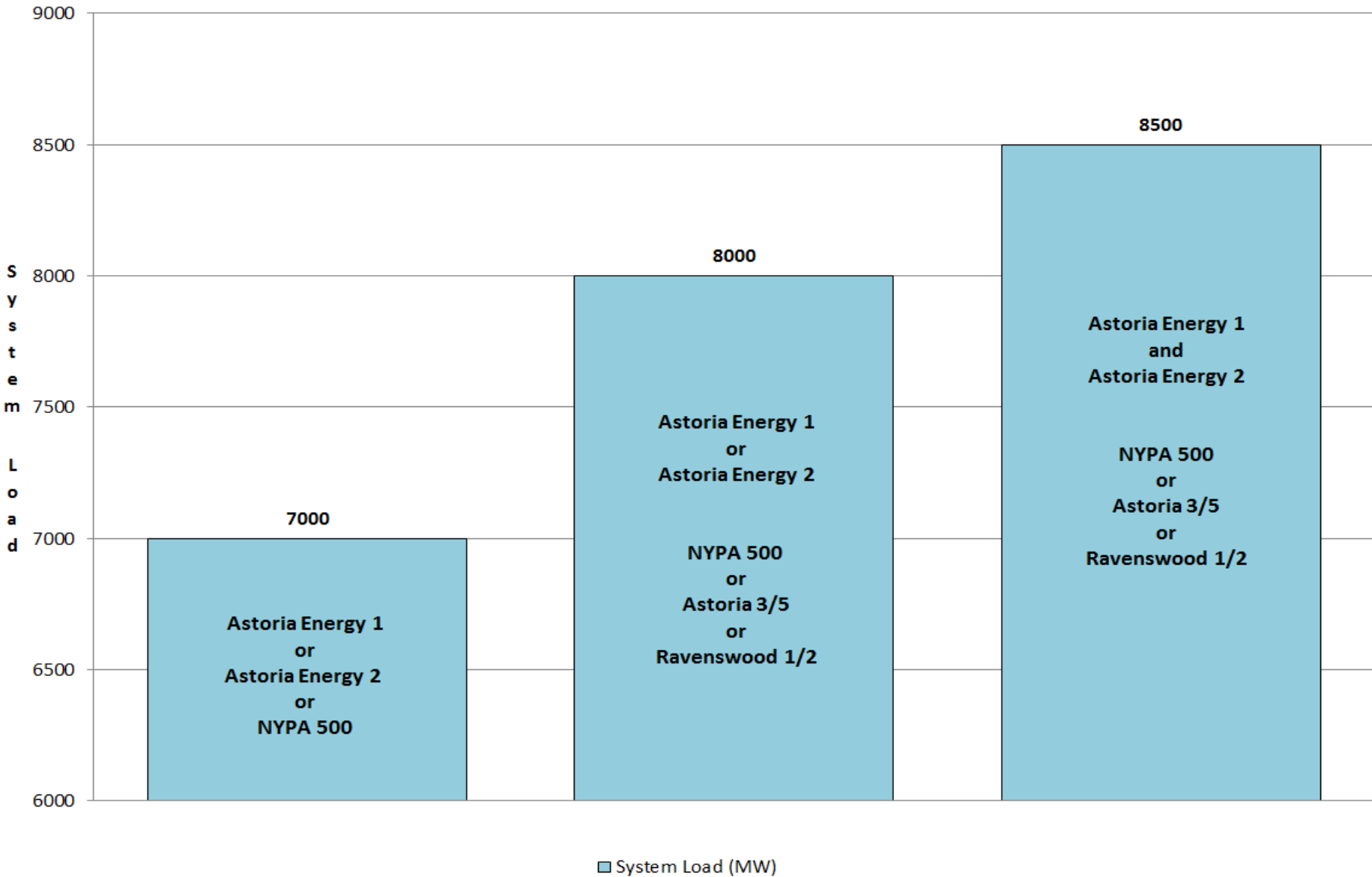
The Study Results

- The results of this year's Minimum Oil Burn study are very similar to the previous study. The requirements are as follows:
 - At Con Edison system loads greater than or equal to 7,000 MW (Zone J load 6100 MW), during the Winter Capability Period, automatic fuel swapping capability is required in Astoria Energy 1, connected at Astoria-East, or Astoria Energy 2, connected at the Astoria Annex, or NYPA 500, connected at Astoria-West.
 - At Con Edison system loads greater than or equal to 8,000 MW (Zone J load 6900 MW), the following are required:
 - Activation of automatic fuel swapping for Astoria Energy 1 or Astoria Energy 2, and
 - Activation of automatic fuel swapping for NYPA 500, or minimum oil burn in either Astoria 3 or 5, connected at Astoria-West, or minimum oil burn in Ravenswood 1 or 2 if NYPA 500 is not available at Astoria-West.

The Study Results (Continued)

- **At Con Edison system loads greater than or equal to 8,500 MW (Zone J load 7400 MW), during the Winter Capability Period, the following are required:**
 - **Activation of automatic fuel swapping for Astoria Energy 1, connected at Astoria-East and Astoria Energy 2, connected at the Astoria Annex, and**
 - **Activation of automatic fuel swapping for NYPA 500, or minimum oil burn in either Astoria 3 or 5, connected at Astoria-West, or minimum oil burn in Ravenswood 1 or 2 if NYPA 500 is not available at Astoria-West.**

Con Edison Min. Oil Burn Requirements for 2017-2018 Winter Peak Loads



The Study Results (Continued)

Con Edison retains the right to modify the minimum oil burn / automatic fuel-swapping daily commitments in order to meet NYSRC MOB Reliability Rule I-R3, based on electric grid configurations or other conditions that were not identified in this seasonal study but which could result in a loss of load due to the loss of a single gas facility. When invoking a daily commitment change using minimum-oil / auto fuel swap procedures for this reason, Con Ed shall seek concurrence of the NYISO.

Our Recommendation

Con Edison recommends that its application to Article 69 reflecting the updated winter capability period requirements be accepted for implementation.