

2011 CARIS I Scenario Discussions

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Scenario Discussions

- ◆ **Scenario Purpose and Uses**
- ◆ **Scenario Study Process**
- ◆ **Scenario Proposals**

Scenario Purpose and Uses for 2011 CARIS

- ◆ **Attachment Y Section 31.3.1.5**
- ◆ **NYISO, in conjunction with ESPWG and TPAS to develop scenarios**
- ◆ **Consider load forecast uncertainty, fuel price uncertainty, new resources, retirements, emission data and cost of allowances**
- ◆ **NYISO to report results in the 2011 CARIS 1 Report**

2011 CARIS 1 Scenario Study Process

- ◆ **Select two years (2015 and 2020) for each scenario**
- ◆ **For each scenario, show congestion on each of the 3 Selected Study Interfaces for 2015 and 2020**

2011 CARIS Scenario Proposals

- ◆ **Modeling of proposed scenarios:**
 - 1 . **EPA projected NOx and SO2 Costs – from Peter Carney Slide Presentation 9/21/11**
 2. **Higher load forecast - from 2011 Gold Book:
2015- 35738 MW (Base Forecast 33678 MW)
2020- 36988 MW (Base Forecast 34867 MW)**
 3. **Higher Natural Gas Prices – One Standard Deviation**

Scenario Proposals Continued

4. Full RPS and Full EEPS goals achievement – Add renewables from queue to achieve 9870 GWh goal and reduce 2015 load to 32147 MW

5. Athens SPS continued in service

6. Lower Load Forecast – from 2011 Gold Book:

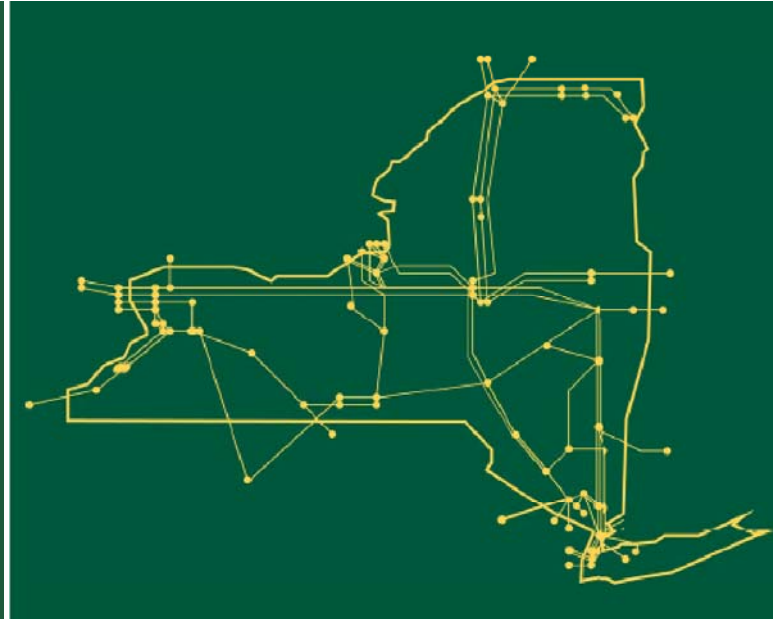
2015- 30734 MW

2020- 31819 MW

2011 CARIS 1- Other Scenarios

- ◆ **As time permits:**
 - 1. Lower Carbon Emission Costs – flat \$5/ton**
 - 2. Lower Natural Gas Prices – One standard deviation**
 - 3. Include all active CY09-10 projects as of run date**

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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