

2011 CARIS I Scenario Discussions

*Howard Tarler
Manager, Long Term Planning
New York Independent System Operator*

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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 31.1.1.3:**
- ◆ **(2) identify, through the development of appropriate scenarios, factors that might produce or increase congestion,**

- ◆ **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 is 33678 MW)
2020- 36988 MW (Base Forecast is 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

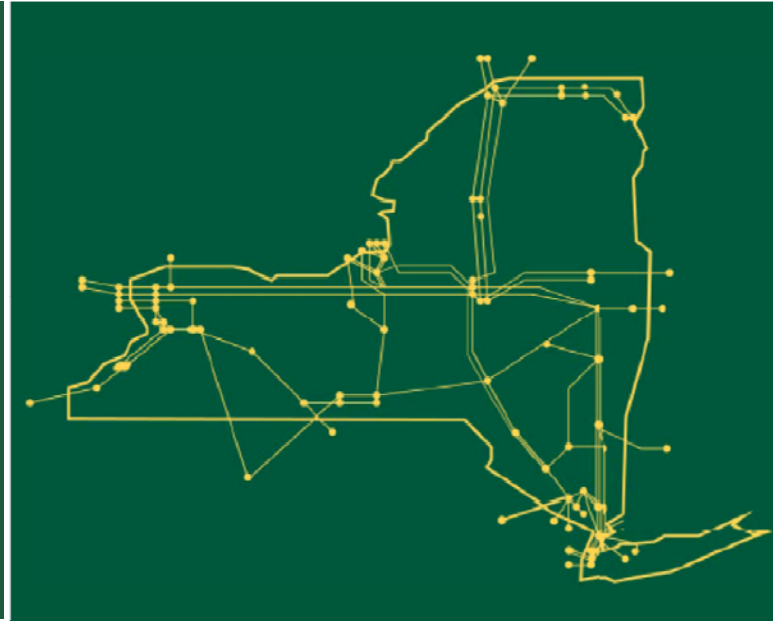
2020- 31819 MW

Scenario Proposals Continued

**7. Lower Carbon Emission Costs –
flat \$5/ton ceiling**

**8. Lower Natural Gas Prices – One
standard deviation**

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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