

PROPOSED SCOPE FORWARD LOOKING NYCA IRM STUDY

1. Purpose of Study

To determine NYCA IRM requirements 5 years into the future. The horizon year 2013 has been selected for this analysis. This information may be relevant in discussions related to a Forward Market in NY.

2. Scenarios

Because of the great uncertainty of the future impacts on IRM requirements of environmental initiatives, wind resource penetration and load levels, three IRM scenarios will be examined: a base case, a high range IRM case, and a low range IRM case. Realistic assumptions will be utilized for all scenarios.

3. Primary References

- A. NYISO 2008 Reliability Needs Assessment (RNA)
- B. NYISO 2008 Gold Book

4. Data Bases Common for all Three IRM Scenarios

The study will start with the 2009 IRM Study base case assumptions. Certain of these assumptions, as required, will be modified for the three year 2013 IRM scenarios. Common modifications for all three scenarios will include retirements and new units from the RNA and 2008 Gold Book, additional capacity that will be required for meeting the LOLE criterion as identified in the RNA, and transfer limits from the RNA. Item #5 below shows those data base parameters will be varied for the three scenarios. Outside world modeling will be consistent with RNA study assumptions.

5. Scenario Data Bases

The above common data base will be supplemented as follows:

Parameter	Base Case	Low Range IRM Case	High Range IRM Case
Load Forecast	RNA or 2008 Gold Book	“15x15” Energy Efficiency Scenario (RNA)	RNA or 2008 Gold Book
Environmental Initiatives	<u>HEDD</u> – as used in the RNA’s HEDD Scenario <u>RGGI</u> – as used in the RNA’s RGGI Scenario	<u>HEDD</u> – Factors identified in RNA that could improve compliance efforts and reduce IRM from the base case. <u>RGGI</u> – same as base case	<u>HEDD</u> – Factors identified in RNA that could aggravate compliance efforts and increase IRM from the base case. <u>RGGI</u> – same as base case, NYS Bill 7434 legislation proposed to limit SCR & EDRP diesel combustion generation facilities
Wind Resources	Base case MW value	Low range MW value	High range MW value

6. Study Methodology

Unified and TAN 45 methodologies, consistent with 2009 IRM Study.

7. Sensitivity Cases

It may be useful, depending on study results and man-power constraints, to conduct sensitivity studies for one or more IRM scenarios.

8. Study Schedule

A revised or more detailed study scope will be completed by ICS and provided to the NYSRC Executive Committee in April 2008. The study schedule will be discussed by ICS on March 5.

9. Study Manager

Installed Capacity Subcommittee

10. Conduct of the Study

NYISO staff?