NYSRC Installed Capacity Subcommittee

Meeting #38

March 5, 2004

9:30 a.m. – 4:00 p.m.

NYISO: Wash Ave Ext. Conference Room WD

Meeting Minutes

Attendees

Members/Alternates Present:

Mr.	Curt Dahl (KeySpan/LIPA) – Chairman
Ms.	Patti Caletka (NYSEG)
Mr.	Steven Jeremko (NYSEG) - Telephone
Mr.	Steve Whalen (NYSEG) - Telephone
Mr.	Peter Chamberlain (Wholesale Sector) - Telephone
Mr.	Carl Courant (NYPA) - Telephone
Mr.	John Beck (Con Ed) – Secretary

Advisers/Non-member Participants Present:

Mr.	Greg Drake (NYISO)
Mr.	Frank Vitale (Consultant)
Mr.	Al Adamson (Consultant)
Mr.	Hebert Joseph (NYPSC)
Mr.	Steve Keller (NYPSC) - Telephone
Mr.	Glenn Haringa (GE) – Telephone
Mr.	Bill Lamanna (NYISO)
Mr.	John Pade (NYISO)
Mr.	Aaron Breidenbaugh (NYISO)
Mr.	John Charlton (NYISO)
Mr.	Art Desell (NYISO)

Members/Non-members/Advisers Absent:

Mr.	Bart Franey (NGRID)
Mr.	Ed Schrom (NYPSC)
Mr.	Michael Hogan (CHG&E)

1. Meeting Minutes Review

1.1. Finalized Meeting Minutes from Meeting #37 on 2/4/04.

2. Review of Previous Assignments

The Outstanding Action Item List was reviewed and resulted in the carry over of item 28-2, 28-3, and 37.3.

3. Discuss Issues to support the 2005-06 IRM Study Preparation

3.1. Discuss the results of the NYISO Locational IRM Study

The results of the Locational Capacity Report (LCR) were overviewed as they are an input assumption to the IRM report. Discussion ensued regarding the control of assumptions entering both the IRM and Locational Requirements Reports. The prior years "Recommended Modeling Assumptions" table will be used as a template for controlling the data and assumptions to be used in the 2005-2006 IRM and LCR reports.

3.2. Discuss the impact of using an IRM results Transitional mechanism.

Currently, the process used by the NYSRC to select the IRM requires the EC to evaluate the range of technical results as provided by ICS as reported in the base case and sensitivity cases. It was briefly discussed that the process should be transparent and not rely on just one value, the Basecase. The ICS will expand the discussion of this issue next meeting and the mechanism to be used remains under investigation.

3.3. Discuss the Lessons Learned from 2004-05 IRM Study.

The most notable specific item identified for future action:

Base Case Assumptions – In recognition of the desire to know the IRM impact of the assumptions as early as possible, ICS will strive to provide relative / qualitative (high, medium, low) impacts to IRM by August 2004 together with any base case assumption changes and/or recommendations. This will be documented on an ongoing basis by updating the "Recommended Modeling Assumptions Summary" table.

3.4. Identify Information required to support the 2005-06 IRM Study

Action Items for the following information required issues were created, and are summarized below:

38-1 GADS data and NYISO Audit results will be contrasted to determine what Unit, step-up transformer, and line outage data will be requested.
38-2 Review the maintenance schedules of generating units and provide details for input to MARS database.
38-3 Provide Peak Load Forecast for 2005
38-4 Obtain updates to the NYC, LI, and NYCA Load Forecast Uncertainty Model.
38-5 Provide the 5year and 10 year weighted EFORd data for evaluation of trends.
38-6 Provide updates to the cable outage rate data.
38-7 Provide the NYISO audit results for incorporation into the next IRM Report.
38-8 Consult with GE regarding GT De-rate Logic expectations and outcomes, and report on the findings.
38-9 Provide a statement regarding the responsiveness of SCR's and EDRP's.
38-10 Provide information on typical NYCA wind plant(s) EFORd, and evaluate the incorporation of this data for the modeling of these types of resources.
38-11 Provide written statement regarding any updates to the MARS models transmission topology transfer limits.
38-12 Obtain updates to the PJM and NEISO reserve margin values. (Load and Capacity Summary)
38-13 Evaluate the order in which EOPS are called upon within the NYCA before outside assistance is called upon.
38-14 Evaluate the Hydro De-rate modeling assumption (currently modeled as 45% to reflect prior years drought conditions and resulting impact to Hydro capacities).

Previously identified action item 37-3, to draft an update to the IRM Modeling and Assumptions table, was modified. A status column, to reflect completion status / dates will be added to the Summary table. This will be an ongoing effort as the information is received and entered to the table.

3.5 Identify required modeling / software enhancements

3.5.1 Update of Outside NYCA Control Areas

As stated in the IRM Report, the reliability of NYCA depends on a large extent on emergency assistance from its interconnected Control Areas in NPCC and PJM, based on reserve sharing agreements with the Outside World Areas. Therefore, load, and to some extent, capacity models of the Outside World Areas are represented in the MARS analyses.

In the previous report, the load and capacity models for ISO-NE, IMO and Hydro-Quebec were based on data received from the Outside World Areas, as well as NPCC sources.

The PJM capacity model used in the last issued IRM Report utilized the 1998 NERC Electric Supply and Demand database. PJM Unit availabilities were based on Weighted Equivalent Availability Factors, by unit size and fuel type, from the NERC Generating Unit Statistical Brochure. The assistance from East Central Area Reliability Council (ECAR) and the Maritime Provinces were not considered, therefore, limiting the emergency assistance to the NYCA from the remote neighboring control areas.

The primary consideration for developing the final load and capacity models for the Outside World Areas is to avoid over-dependence on the Outside World Areas for emergency capacity support. For this purpose, a rule is applied whereby either an Outside World Area's LOLE cannot be lower than 0.100 days/year LOLE, or its isolated LOLE cannot be lower than that of the NYCA. Another consideration for developing models for the Outside World Areas is to recognize internal transmission constraints within the Outside World Areas that may limit emergency assistance to the NYCA. These considerations will be reviewed and evaluated as a means to update the MARS database with the goal to best reflect, and capture the reliability of neighboring control areas.

3.5.2 Transmission Topology Updates

Transmission Topology Updates were discussed by Bill Lamanna of the NYISO staff. The addition of the 4 series reactors south of the Dunwoodie interface was discussed, and the possibility that they will increase the transfer capability into NYC. NYISO will provide confirmation of the actual transfer capability increase provided.

3.5.3 NYISO Audit results of EFORd

It was reported that the NYISO has audited about 14,000MW of NYCA capacity and found that the EFORd is understated by ~ 1.7 percentage points. A letter was sent to Mr. Adams requesting the NYISO's participation in incorporating the complete audit results into the IRM and Locational Requirements database. This will require that the procedures will need to be re-written to assure that step-up transformers are included when reporting the outage rate performance of a generator.

3.5.4 Review of the Draft document: "Scope of Work—to Review the Procedures and Methodology for Establishing the LSE Locational Installed Capacity Requirements," will be discussed again at the next ICS meeting. Several NYISO definitions, and NYSRC Reliability rules may require update to implement the document as currently crafted.

4. Committee Reports

4.1. Resource Adequacy Model (RAM) Group Report

John Charlton, of the NYISO, provided a brief update on the status of the NERA – Resource Requirement. John also indicated that NERA presented the final RAM Model Report in February and that it is posted on the PJM website

4.2. NYISO Planning Staff

Bill Lamanna, of the NYISO, provided a brief update on the Initial Planning Report, which will look at a 10 year planning horizon to identify reliability needs.

5. Other Business

Belated Happy Birthday to Bart Franey

6. Review Action Items

See attached action item list.

7. Next Meeting

Secretary: John Beck