

# **NYSRC Installed Capacity Subcommittee**

Meeting #32

**September 3, 2003**

**9:30 a.m. – 3:00 p.m.**

**NYISO: Wash Ave Ext. Conference Room WD**

## Meeting Minutes

### **Attendees**

#### Members/Alternates Present:

Mr. Curt Dahl (KeySpan/LIPA) – Chairman  
Mr. John Beck (Con Ed) – Secretary  
Mr. Carl Courant (NYPA)-Telephone  
Mr. Bart Franey (NGRID)  
Mr. Steve Jeremko (NYSEG) - Telephone  
Mr. Peter Chamberlain (Wholesale Sector) - Telephone

#### Advisers/Non-member Participants Present:

Mr. Alan Adamson (Consultant)  
Mr. Greg Drake (NYISO)  
Mr. Frank Vitale (Consultant)  
Mr. John Adams (NYISO)  
Mr. Steve Keller (NYS Dept. of Public Service) - Telephone

#### Other interested Parties:

Mr. Glenn Haringa (GE) – Telephone (Afternoon)  
Mr. John Pade (NYISO) – For Load Discussion  
Mr. William Lamana – Topology Discussion  
Mr. John Charlton (NYISO) – Updates  
Mr. Herbert Joseph (NYS Dept. of Public Service)  
Mr. Harry Joscher (PSE&G) – Telephone  
Mr. Dave Yannarell (PP&L EnergyPlus) – Telephone  
Mr. Kevin Donnelly (Con Edison) – Telephone

#### Members/Non-members/Advisers Absent:

Mr. Steve Keller (NYPSC)  
Mr. Ed Schrom (NYPSC)  
Mr. Mark Cordeiro (Municipals)

## 1. Meeting Minutes Review

1.1. Finalized Meeting Minutes from Meeting #31 on 8/4/03.

## 2. Reviewed previous Outstanding Assignments

## 3. Pre- 2004-05 IRM Study Modeling Issues

### 3.1. Load Data Requirements

Use of the 2002 Load Shape was discussed, and was tested with peaks aligned with the neighboring zones. The 2002 Load shape provides a better representation of the load growth in South Eastern New York State from 1995 to 2002. Action Item 31-1 required the NYISO to run the adjusted 2002 Load shape with NYCA isolated. This item was completed and the Action Item closed. When contrasted to the 2003 IRM Study, the results of the isolated and interconnected cases are an increase in IRM of 0.4 % and a decrease in IRM of 0.7% respectively.

The Load Forecast Uncertainty (LFU) Model was updated to represent separate models for Zones J and K, thereby capturing their zonal variations. The model, when contrasted to Zone J, reflects a more pronounced LFU for Zone K resulting from weather, and later in the day peaks.

### 3.2. EOPs

#### - SCRs/EDRP

An update to the MARS model will reflect the decreasing participation levels of EDRP, and an increase in the SCR levels to show greater participation in the SCR program this year. It was recommended that the model use the full SCR amount for the months of July and August and prorated downward proportional to monthly peak load in the other months. This approach will better reflect the response of SCR's in off - peak months. Action item 31-2 was closed. **Action Item 32-1** was opened to verify the amount of SCR's in the 2005 model, by zone.

#### - EOP Order

Work on changing the EOP order to better reflect NYISO Procedures continues. Action item 31-3 remains open. Attachment B was distributed and the changes in MW values for each EOP step were discussed.

#### - Effect of updating Operating Reserves Location

GE looking into why there was a small change, action item 28-6 remains open.

### 3.3. Generator Unit Modeling

The EFORD for Zone J and K plants shows an increasing trend from last year to this year. Action Item 29-5, for the NYISO to provide the list of units with < 10 years worth of EFORD data remains open. Action Item 29-6, to require testing the model using multi-state transition rates by zone, remains open.

The Splinter Group will determine what transition rates are in the current model for these units. LM-6000 GT's use a NYCA class average that is determined from actual operating data on the units.

### **3.4. Transmission System Model**

Bill Lamana reported the changes in the Transmission System Model that result from use of the new topology. Clarifications and /or updates to previously reported modeling follow:

- The Central East including Fraser Gilboa limit ( Area E to Area F ) of 3250. MW was derived from the Central East limit minus the PV20 flow plus the Fraser Gilboa limit based on relative shift factors.
- The Central East Group limit of 4650. MW represents the simultaneous limit of Central East and Marcy South
- The Total East limit of 6100MW is the simultaneous limit of the grouping of all of the interfaces comprising Total East.
- The NE/SENY grouping limit serves to limit the ability of transfers to flow around Area F to Area G limits and the UPNY/SENT limits.
- RECO Load was removed from the topology representation. Since RECO load is radially connected to the NYCA, its impact is reflected in the appropriate transfer limits.

### **3.5. Temperature Derate for Gas Turbines**

The new GT derate model allows a specific capacity as a function of load to be modeled, which will be used to apply the temperature derate to Gas Turbines. The NYISO will send Glen Haringa the results of MARS runs utilizing GT derate logic for validation. Pending completion of GE's review of these outputs, Action Item 30-2 remains open.

### **3.6. List of New Generators**

Each Member was asked to provide new units expected in service for 2004, including there summer and winter ratings to be added in for 2004 IRM study. Keyspan Ravenswood, 2 projects in Freeport, and Flat Rock Wind Power were mentioned. However, due to project uncertainty for Flat Rock Wind Power, it will be removed from the 2004 Model

### **3.7. GADS review-**

Review of GADS Reporting data, as identified in Action Items 28-2 and 28-3, will remain open to track. The use of 5 Year Forced Outage Rates under Demand (EFORD) rather than 10 Year EFORD, and review of extraordinary events including: PAR and transformer outages will also be reviewed.

### **3.8. Modeling Impacts-**

The impacts of the above modeling updates are reflected in the Preliminary 2004-05 IRM Study Base Case. When contrasted to the 2003-04 IRM Study, the results of the Preliminary 2004-05 IRM study isolated and interconnected cases yield increases in the IRM of 0.4% and a decrease in IRM of 0.7% respectively.

**4. Committee Reports**

**4.1. Resource Adequacy Model (RAM) Group Meeting**

Brief update by John Charlton, NYISO.

**4.2. NYISO ICAP Working Group Report**

Brief update by John Charlton, NYISO.

**5. Other Business**

Code of Conduct Policy was discussed and signed copies of the agreement were collected. Telephone participants were requested to mail signed copies to Curt Dahl.

**6. Review Action Items**

See attached action item list.

**7. Next Meeting**

**October 1, 2003 Meeting #33 9:30 am – 3:30 pm**

Secretary: John Beck