

# **NYSRC Installed Capacity Subcommittee**

Meeting #30

**July 8, 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. Kevin Donnelly (Con Ed) – Secretary  
Mr. Joe Fleury (NYSEG)  
Mr. Bart Franey (NGRID)  
Mr. Michael Hogan (CHGE)  
Mr. Carl Courant (NYPA)

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

Mr. Alan Adamson (Consultant)  
Mr. Greg Drake (NYISO)  
Mr. Frank Vitale (Consultant)  
Mr. John Adams (NYISO)  
Mr. Ed Schrom (NYPSC)

#### Other interested Parties:

Mr. Glenn Haranga (GE) - Telephone  
Mr. William Chiume (NYISO) – For Load Discussion

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

Mr. Peter Chamberlain (Wholesale Sector)  
Mr. Steve Keller (NYPSC)  
Mr. Steven Jeremko (NYSEG)  
Mr. Mark Cordeiro (Municipals)

### **1. Meeting Minutes Review**

**1.1.** Finalized Meeting Minutes from Meeting #29 on 6/06/03.

### **2. Reviewed previous Outstanding Assignments**

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

### 3.1. Load Data Requirements

Con Edison load uncertainty model for their service area, Zones H, I and J, still requires refinement with NYISO. Action item 26-7 remains open. Action item 28-1 to provide a graph of 2002 Load vs. the average plus the uncertainty model is closed, part of load shape presentation. Presentation on using 2002 Load shape for 2004 IRM Study provided by NYISO. 2002 Year appears to be very similar to modified 1995 Load Shape that was used for previous studies. 2002 Load shape also provides a better representation of the load growth in South Eastern New York State. Initiated Action Item 30-1 to test 2002 Load shape with peaks aligned with neighboring areas.

### 3.2. EOPs

#### - SCRs/EDRP

GE provided a new executable, version 2.52a, that counts SCR's on a daily basis and allows the number of calls per month to be limited, action item 29-1 closed. NYISO provided an update to the graph of IRM results based on limiting number of days SCR's can be called. The program based on the probability associated with SCR occurrences over the multiple runs calculates the expected number of calls, 3.6 for last years model.

#### - EOP Order

NYISO still checking order is proper

#### - Effect of updating Operating Reserves Location

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

### 3.3. GADS Data

The NYISO review of GADS data is taking place, but will not be completed for this years study. Action items 28-2 to review DMNC values against what was seen as actual performance and 28-3 to review statewide Step-up transformer outages that may need to be included in the data will remain open and are delayed until 2004. NYISO audit is to ensure the accuracy of data reported and that the rules in place capture actual performance for reliability studies.

### 3.4. EFOR'd Modeling Criteria

Action Item 29-4 is open as the NYISO provided a handout on EFOR'd trends in PJM and will supply NERC availability data at the next meeting. Action Item 29-3 was provided, showing a step up in EFOR'd for the first quarter of 2003. This raised a concern about converting to 5 year EFOR'd. The overall trend is still downward, but with this information plus the GADS data check by the NYISO not being completed until 2004, the ICS decided to continue using 10 Year EFOR'd in the model for the 2004 IRM. Action Item 28-7 is closed.

5 Year Forced Outage Rates under Demand (EFORd) rather than 10 Year EFORd will be reviewed next year.

### 3.5. Generator Unit Modeling

10 Years of data to calculate EFOR'd and the transition matrix for the MARS program was agreed upon. Not all of the units in New York State have been reporting data for 10 Years. Many units only started reporting with the inception of the NYISO. Action item 26-6 is now closed, there is no way to combine the actual performance with the class averages to form a composite for this years study. Action Item 29-5 was updated to determine the Number of units with < 10 years worth of

EFORd data and to determine what is currently being used in the model. This item remains open. The NYISO did provide a list of the units and the number of years of data they have. The Splinter Group will look to determine what transition rates are in the current model for these units. Action Item 29-6 was updated to require testing the model using transition rates from the actual data reported for these units with less than 10 years of reporting data, (for most its only 3.5 years). LM-6000 GTs use a class average that is determined from actual operating data on the units. Action item 28-4 was completed as the NYISO tested GE's reason that the additional units added changed the order in the program causing a slightly different result. The test run placed the Athens units at the end of unit-data file and results showed no change caused by Athens in this order.

### **3.6. Transmission System Model**

#### **3.6.1. Phase 1 New Topology: Completed**

#### **3.6.2. Phase 2 Interface Ratings : Action Item 26-2 open, encompasses all.**

- UPNY-SENY Interface rating validated
- Other Interface ratings checked  
Action Item 28-5 remains open to determine effect of PV-20 on rest of NE interfaces.
- Dynamic Interface model  
NYISO provided dynamic interface rating test using Arthur Kill units and PJM-Zone J interface ratings. Incorporate into model.
- RECO Load modeled as derate to transmission system
- Generator groupings or separate sub-zone for generators effect of transmission limits.

#### **3.6.3. Test and Evaluation**

Item 27-3 remains open to test the new topology when this is completed.

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

Action item 25-9 is closed, GE provided a new version, 2.52b that allows a specific capacity as a function of load. The load level will be coordinated based on temperature. Initiated action item 30-2 to test this new model enhancement.

### **3.8. IRM Method Comparison**

Action Item 29-2 is closed. The NYISO test run of reducing capacity produced the same results as adding load (which is perfect capacity) using last years base-case.

## **4. Policy 5 Procedure for establishing NYCA Installed Capacity Requirements**

Final version available.

## **5. IRM Workshop**

Finalized materials for Workshop scheduled for Friday July 11, 2003.

## **6. Committee Reports**

### **6.1. Resource Adequacy Model (RAM) Group Meeting**

Official website is PJM for information

### **6.2. NYISO ICAP Working Group Report**

Brief update by John Charlton, NYISO.

7. **Other Business**  
No Other business discussed.
8. **Review Action Items**  
See attached action item list.
9. **Next Meeting**  
**August 4, 2003 Meeting #31 9:30 am – 3:30 pm**

Secretary: Kevin Donnelly