

# **NYSRC ICAP WORKING GROUP**

CONFERENCE CALL No. 12

**March 4, 2002**

**9:30 a.m. – 12:30 p.m.**

**Meeting Minutes**

## **Attendees**

### Members/Alternates Present:

Mr. Kevin Donnelly(Con Ed) - Secretary  
Mr. Tom Baldi (Con Ed)  
Mr. Mark Cordeiro (Municipals)  
Mr. Carl Courant (NYPA)  
Mr. Curt Dahl (KeySpan/LIPA) - Chairman  
Mr. Gary Freeland (NYSEG)  
Mr. Michael Hogan (CHGE)

### Advisers/Non-member Participants Present:

Mr. Alan Adamson (Consultant)  
Mr. Art Desell (NYISO)  
Mr. Greg Drake (NYISO)  
Mr. Frank Vitale (Consultant)

### Other interested Parties:

Mr. Richard Grehl (Con Ed)  
Mr. Bob Boyle  
Mr. Bill Lamana  
Mr. Del Disher (Signal Hill Consulting for ANP)  
Mr. Chris deGrafenried (NYPA)  
Mr. John Charlton

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

Mr. Peter Chamberlain (Wholesale Sector)  
Mr. Larry Eng (NMPC)  
Mr. Ed Schrom (NYPSC)  
Mr. Steve Keller (NYPSC)

## **1.1 NYSRC Deliverability Issues Study**

Task 1: Demonstrate the reliability impact of bottled generation on statewide and locational LOLE.

Discussed which case is best to use as the base case. Came to conclusion that the base case should be the Existing Locational Study.

Case 1: This is the base case.

Case (1A): Case 1(A) is the existing locational study Plus the 330 MW DC Tie from Connecticut into LI.

Case 2 will then divide LI into 3 sections: East, Central and West.

Case 3: Move capacity to constrained areas to determine effect.

Task 2 Develop the specific methods and procedures for recognizing, representing and accounting for bottled generation in IRM and locational capacity requirement studies. Will need to involve Transmission group to assist in expanding results to statewide basis.

Task 3 Determine the need to develop a reliability rule on generation deliverability.

## **1.2 Review NYSRC resource adequacy criterion**

The Executive Committee has requested the ICAP WG to examine issues related to changing the present criterion, as stated in NYSRC Reliability Rule A-1, to one that is more stringent, and/or not recognizing voltage reductions as part of the EOP's.

Discussed how no other area appears to be addressing this issue nor are they making their criteria more stringent. Will formally survey other regions in North America for how they use LOLE criteria trends.

## **1.3 Prepare for 2003-04 IRM Study**

Interconnected Area

External ICAP

Transfer Limit Assessment

Need to justify our assumptions and lay our ground rules for these.

### **1.3.1 Outage Rates for new GTs**

LM-6000 Gas Turbines

These are new Jet Engines; therefore the outage rates listed on NERC database do not represent their performance. Need to use 1-year performance of all ten units in NYC and Brentwood units or see if NERC has any other information.

Combined cycle units: Need to address whether or not a brand new unit is constructed or a gas turbine is added to the steam system, meaning steam side still has older parts more susceptible to failure.

#### **1.4 Scope of Northeast RTO IRM Study**

Need higher quality data from NE for this to be a worthwhile effort. Need to start considering what will be required to perform joint NY- NE run.

#### **1.5 NYSERDA/NYISO Gas Study**

Study was started in August 2001. NYSERDA and Charles River Associates as part of the study are quantifying risks of gas system failures on electrical system reliability. Local reliability rules are already in place in NYC and LI. These are currently being updated.

NYSERDA and CRA will be presenting summary to the NYSRC Executive Committee.

#### **1.6 Report on NYISO ICAP WG Activities**

ICAP working group under BIC is primarily working to update ICAP manual and refine special case resource and ICAP treatment. Another focus is on inter-area deliverability.

Other ideas that are being proposed and discussed include taking a closer look at NYC ICAP considering creation of extending reliability study to 138 KV load pockets, quick start GT ICAP market and construction of New Transmission, or some combination of the three.

#### **2.0 Discuss NYISO 2002-03 Locational Capacity Study Results**

The Operating Committee accepted results of the study. The new forced outage rates applied to the new gas turbines maintain NYC at 80% and aided LI in dropping to 93%. The study also states that LI would drop to 87% once the 330 MW DC line is in service.

Note: ISO is considering how to treat transmission. One proposal is to keep requirement at 93% and pay transmission developer the 6% ICAP. This ensures the merchant transmission developer receive the benefit.

Only issue was the discussion on PJM to Con Edison Phase angle regulators and the flow NYC actual receives. This is not a Peak hour issue of reliability; it's an economic issue. During August 8 emergency, PJM was delivering well over 1,000 MW to NYC, according to logs.

## **Action Items**

### **Action 1:** Curt Dahl

Provide the breakdown of generation and load for each zone. Define transfer capability both internal and external to each zone. Due by 3/8/02.

### **Action 2:** NYISO

Update 2001 schedule to 2002. Major Milestones to remain approximately the same as previous year.

### **Action 3:** Action: Al Adamson

Contact NERC about reliability criteria. Write letters to other regions requesting their information on how Voltage reductions are used and their LOLE criteria trends for determining IRM requirements. Due date 3/8/02.

### **Action 4:** NYISO

Brief summary of how External assistance and External ICAP are carried out now.

### **Action 5:** Action: NYISO

Update documentation on transfer Limit Assessment, creating one primary document. Target Date June 2002.

### **Action 6:** NYISO

Check with NERC on data for new LM-6000 gas turbine units. Target Date: April 1, 2002.

### **Action 7:** NYISO

Brief List of bulleted items for what's required for a NE RTO study. Due date to be determined.

## **Next Meeting**

To be determined: Tentatively April 2.