

# NYSRC Installed Capacity Subcommittee

Meeting #93

November 5<sup>th</sup>, 2008

9:30 a.m. – 2:00 p.m.

Meeting Minutes

## Attendees:

	Present	Tel
Members / Alternates:		
Mr. Curt Dahl (LIPA), Chairman .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Carlos Villalba (Con Edison), Secretary .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Timothy Bush (Generation Owners).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Bart Franey (National Grid).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Steve Jeremko (NYSEG-RGE) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Mark Younger (Slater Consulting - Generation Owners) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Rajee Mustafa (NYPA).....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Rich Wright (CHG&E) .....	<input type="checkbox"/>	<input type="checkbox"/>
Mrs. Patricia Caletka (NYSEG-RGE) .....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Madison Milhous (National Grid).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mrs. Jane Shin (Con Edison) .....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Kelvin Chu (Con Edison).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Mark Cordeiro (Municipal Power Agency).....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Han Huang (NYPA).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Glenn Haake (Dynergy, Inc. - Generation Owners) .....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Harry Joscher (PSEG Power, LLC).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Advisers/Non-member Participants:		
Mr. Al Adamson (Consultant) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Frank Vitale (Consultant) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. John Adams (NYISO).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Greg Drake (NYISO) .....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Frank Ciani (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Peter Carney (NYISO) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Arthur Maniacci (NYISO).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Ed Schrom (NYPSC).....	<input type="checkbox"/>	<input type="checkbox"/>
Guests Present:		
Mr. Robert Boyle (NYPA) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. John Charlton (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Bill Lamanna (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Frank Francis (BEMI) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Clyde Custer (NYISO).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Ms. Erin Hogan (NYSERDA).....	<input checked="" type="checkbox"/>	.....	<input type="checkbox"/>
Mr. John Pade (NYISO-Consultant).....	<input type="checkbox"/>	.....	<input checked="" type="checkbox"/>
Mrs. Mary Ann Wilccek (NYISO).....	<input type="checkbox"/>	.....	<input checked="" type="checkbox"/>
Mr. Sam Krueger (Dynergy, Inc.).....	<input type="checkbox"/>	.....	<input checked="" type="checkbox"/>
Mr. Alan Ackerman (Customized Energy Solutions).....	<input type="checkbox"/>	.....	<input checked="" type="checkbox"/>
Mr. Paul Gioia (NYSRC).....	<input type="checkbox"/>	.....	<input checked="" type="checkbox"/>
Mr. Chris De Graffenried (NYPA).....	<input type="checkbox"/>	.....	<input checked="" type="checkbox"/>

## 1. Action Items

### 1.1. Closed

None

### 1.2. New

**93-1.** Work with the NYISO to create a new LFU methodology and provide the ICS with the new LFU for a sensitivity case. Carlos Villalba

**93-2.** Provide to the ICS the topology and nomograms to model the VFT. Carlos Villalba.

**93-3.** Review Environmental write up that will be part of the report. NYISO.

### 1.3. Revised

All items were revised and the following items were discussed in detail.

**91-1.** NYISO will not release the MARS database to CRA and will arrange for CRA to run in the premises with an encrypted database and secured computer. The NYISO will inform the ICS and the EC before any final determination.

## 2. List of IRM Sensitivities

The ICS reviewed all the sensitivities run by the NYISO. The following are the highlights of the discussions:

Wind: Mr. Mark Younger questioned the methodology used to calculate the wind sensitivity, because it changes the locational capacity requirements as part of the calculation process.

NERC Class Average: Mr. Drake reported that this sensitivity was run after adjusting the MOD-MDMW such that the EFORD difference between NY zonal average and NERC calculated zonal average was taken into account. Mr. Villalba suggested replacing each of the units EFORD with its national average to produce meaningful results.

Load Forecast Uncertainty: Mr. Villalba reported that the changes made to Con Edison's methodology to calculate the LFUs were more related to proof the existing rule of thumb that has been used to describe the relationship of load and temperature variable. A change from last year's LFUs methodology was that this year the middle of the 5<sup>th</sup> bin LFU was reported correctly. In previous years, regardless what the number was in the middle of the 5<sup>th</sup> bin, 1.000 was always reported. During the discussions, there was confusion on what numbers were used to perform this sensitivity the new Con Edison numbers or the NYISOs numbers proposed in August. The NYISO will verify and inform the group.

External Capacity Imports: The group decided after analyzing the data presented by the NYISO that this sensitivity required more points on the IRM/LCR curve.

The NYISO acknowledge that it could not run the IRM/LCR curves to perform the sensitivities as General Electric suggested because the lack of time and resources. The only sensitivity to which the curve will be built is for the external capacity imports.

### **3. 2008-09 IRM Report**

Mr. Al Adamson indicated that the report will need a Section to explain the LFU model, the EFORD trends, and a UCAP comparison.

For the environmental section of the report, Mr. Clyde Custer suggested to use the same language that the RNA will use, which was discussed extensively at the NYISO's ESPWG meeting.

Mr. Peter Carney reported to the group the status of the future environmental regulations impact evaluation. This assessment will be included in the appendix of the IRM and will be the same to the one in the RNA report. He explained that the evaluation has two main sections, one to assess NOx and another for CO2. The NOx section assesses the impacts of HEDD and the DEC NOx RACT, but not CAIR because is currently tied up in court. Mr. Carney informed the group that the approximate amount of generation affected by the NOx RACT was around 3000 MW (50% of the 25% of fossil generation that will not be able to comply with the program) and the same amount of MW from last year for HEDD which include a number of high emitting CTs and load following boilers. Mr. Drake asked Mr. Carney to provide him with the numbers to perform the HEDD sensitivity. Mr. Carney added that the impact of HEDD was not as large as the

last year due to the increase of SCRs; however, this argument was challenged by Mrs. Hogan and Mr. Younger who indicated that a number of those SCRs will be also affected by the NOx RACT and other DG emitting regulations. Subsequently, Mr. Carney explained how RGGI impact was evaluated depending on the allowance prices and how RGGI impacts mostly the coal generating units. Mr. Carney also identified that main reason why RGGI impact increased to 6% or 2800 MW this year from 2% last year was the use of a production cost simulation program to estimate based on the allowance prices the capacity factors of the units affected by RGGI to determine whether they could stay in business. During this discussion, Mr. Chris Lambert asked Mr. Carney if a combined NOx and CO2 impact has been evaluated. Mr. Carney responded that this assessment has not been developed yet.

The group had the opportunity to suggest changes and add comments to the report. After the report review, Mr. Dahl asked the group to send any additional comments to Mr. Adamson no later than noon the next day to allow sending the report to the EC on time for next Friday's meeting.

#### **4. ICS meeting Schedule for 2009**

Prior to the meeting Mr. Al Adamson sent to the group the list of the 2009 meeting dates. The group reviewed it and agreed to the schedule.

#### **5. Next Meeting**

Meeting #94: December 1<sup>st</sup>, 2008, 9:30am – 4:00pm.  
*Secretary: Carlos Villalba*