

# NYSRC Installed Capacity Subcommittee

Conference call #110a

**April 8, 2010**

Meeting Minutes

## Attendees

	Present	Tel
Members / Alternates:		
Mr. Curt Dahl (LIPA), Chairman .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Carlos Villalba (Con Edison), Secretary .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Kelvin Chu (Con Edison) .....	<input type="checkbox"/>	<input type="checkbox"/>
Ms. Hilary Goldman (Con Edison).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Madison Milhous (National Grid).....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Syed Ahmed – filling in for Mr. Bart Franey (National Grid).....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Steve Jeremko (NYSEG-RGE) .....	<input type="checkbox"/>	<input type="checkbox"/>
Mrs. Patricia Caletka (NYSEG-RGE) .....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Edward Gilroy (NYSEG-RGE) .....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Rajee Mustafa (NYPA) .....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Han Huang (NYPA) .....	<input 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 type="checkbox"/>
Mr. Chris Wentlent (AES-NY).....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Mark Younger (Slater Consulting - Generation Owners) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Mark Cordeiro (Municipal Power Agency).....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Richard J. Bolbrock (MEUA/NYMPA) .....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Rich Wright (CHG&E).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ms. Erin Plasse – filling in for Rich Wright (CHG&E).....	<input type="checkbox"/>	<input type="checkbox"/>

## Advisers/Non-member Participants:

Mr. John Adams (NYISO) .....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Peter Carney (NYISO) .....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Frank Ciani (NYISO).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Clyde Custer (NYISO) .....	<input type="checkbox"/>	<input type="checkbox"/>

Mr. Greg Drake (NYISO).....	<input type="checkbox"/>	.....	<input checked="" type="checkbox"/>
Mr. Bill Lamanna (NYISO) .....	<input type="checkbox"/>	.....	<input checked="" type="checkbox"/>
Ms. Tracy Landers (NYISO).....	<input type="checkbox"/>	.....	<input checked="" type="checkbox"/>
Ms. Mariann Wilczek (NYISO) .....	<input type="checkbox"/>	.....	<input type="checkbox"/>
Ms. Erin Hogan (NYSERDA) .....	<input type="checkbox"/>	.....	<input checked="" type="checkbox"/>
Mr. Ed Schrom (NYPSC) .....	<input type="checkbox"/>	.....	<input checked="" type="checkbox"/>
Mr. Glenn Haringa (GE Energy).....	<input type="checkbox"/>	.....	<input checked="" type="checkbox"/>
Mr. Gary Jordan (GE Energy) .....	<input type="checkbox"/>	.....	<input type="checkbox"/>
Mr. Al Adamson (Consultant).....	<input type="checkbox"/>	.....	<input type="checkbox"/>
Mr. Frank Vitale (Consultant) .....	<input type="checkbox"/>	.....	<input checked="" type="checkbox"/>
Mr. John Pade (Consultant) .....	<input type="checkbox"/>	.....	<input type="checkbox"/>
Mr. Arthur Maniaci (NYISO) .....	<input type="checkbox"/>	.....	<input type="checkbox"/>
Mr. Yannick Vennes (HQ).....	<input type="checkbox"/>	.....	<input type="checkbox"/>
Mr. Scott Leuthauser (Consultant for H.Q. Services) .....	<input type="checkbox"/>	.....	<input checked="" type="checkbox"/>

Guests Present:

Mr. Robert Boyle (NYPA).....	<input type="checkbox"/>	.....	<input checked="" type="checkbox"/>
Mr. Frank Francis (BEMI).....	<input type="checkbox"/>	.....	<input checked="" type="checkbox"/>
Mr. Sam Krueger (Dynergy, Inc.) .....	<input type="checkbox"/>	.....	<input type="checkbox"/>
Mr. Alan Ackerman (Customized Energy Solutions).....	<input type="checkbox"/>	.....	<input checked="" type="checkbox"/>
Mr. Paul Gioia (NYSRC) .....	<input type="checkbox"/>	.....	<input type="checkbox"/>
Dr. Roy Shanker .....	<input type="checkbox"/>	.....	<input type="checkbox"/>
Mr. Liam Baker (US Power Gen) .....	<input type="checkbox"/>	.....	<input type="checkbox"/>
Mr. Wes Yeomans (NYISO).....	<input type="checkbox"/>	.....	<input type="checkbox"/>
Ms. Kathune Zannat (LIPA) .....	<input type="checkbox"/>	.....	<input type="checkbox"/>
Mr. Will Dong (NYISO).....	<input type="checkbox"/>	.....	<input type="checkbox"/>
Mr. Yuri Fishman (LIPA) .....	<input type="checkbox"/>	.....	<input type="checkbox"/>

**1. State Energy Plan discussion**

1.1. Mr. Curt Dahl sent the SEP plan document to the Executive Committee for their meeting on 4.9.10.

## **2. NYISO proposed changes to MARS for New England/Hydro Quebec topology.**

2.1. Proposal to modeling three additional lines and corresponding contracts.

2.1.1. HQ phase II line – limited to 1400 MW ratings; contracts include

**2.1.1.1.** 500 MW contract from HQ to NE for capacity and energy

**2.1.1.2.** 900 MW ICCs – ICCs are split up among select TOs who put in the converter from DC to AC. The 900 MW are counted towards capacity.

2.1.2. HQ Highgate line – 250 MW; contracts include

**2.1.2.1.** High voltage connection of 226 MW

**2.1.2.2.** Lower voltage connection for 21 MW going into Vermont

**2.1.2.3.** The entire 226 and 21 MW are contracted into Vermont – long term contract up to 2030 – will be modeled at a 250 MW contract.

2.1.3. HQ Maritimes to Maine – 1000 MW

**2.1.3.1.** The New Brunswick to New England interface is 1000 MW and HQUS has around 300 MW of capacity sold there through New Brunswick in 2011-2012. The remaining 700 MW will be available for emergency assistance.

2.2. Document called ISONE network topology circulated to group prior to meeting.

2.3. Carlos Villalba suggested to subtract ICCs from the NE load and apply the ICR to the remaining load to find out the capacity requirement. Once this is found, then subtract the contracts from this value. He also suggested that to be consistent with Policy 5, all EOPs must be removed from the model and if the resulting interconnected LOLE is less than 0.1 days/year, then remove capacity proportionally to the total capacity from each of the 13 ISONE areas until the LOLE is greater than 0.1 days/year.

2.4. Greg Drake brought up some issues/comments, such as:

2.4.1. NYISO currently don't model the maritime interface in the current topology so it's unclear how to accomplish the recommendation to model the 300 MW of contracts and 700 MW of emergency assistance.

2.4.2. The total ISONE capacity modeled must be less or equal to the ISONE's Net ICR.

2.4.3. Doesn't agree with the statement that Policy 5 requires that to reach this level of reserve margin, capacity should be removed proportionally to the

total capacity from each of the ISONE areas modeled that do not have a Locational Sourcing Requirement (LSR).

2.4.4. Link to New England's forward capacity documents:

[http://www.isone.com/markets/othrmkts\\_data/fcm/doc/index.html](http://www.isone.com/markets/othrmkts_data/fcm/doc/index.html)

[http://www.isone.com/markets/othrmkts\\_data/fcm/doc/summary\\_of\\_icr\\_value\\_s.xls](http://www.isone.com/markets/othrmkts_data/fcm/doc/summary_of_icr_value_s.xls)

2.4.5. Need to further investigate how to best model these contracts into New England's forward market. Suggestion to use 2011 2<sup>nd</sup> ARA 50-50 Summer Peak Forecast (28,575 MW). The ICR is stated as originally 32,652 and the net ICR is 31,741 (meaning they removed 911 MW of the HQICCs) from the installed capacity requirement.

2.4.6. Write up will include how we treat the HQICCs, expand methodology to include how ICS will include the ISONE's Summary of ICR, LSR and MCL for FCM and Transition Period.

2.4.7. Request for NYISO to show the ICS the methodology used for increasing the LOLE in the neighboring pools for the 2010 IRM study.

2.4.8. Debate whether or not to change the topology of New England from five zones to thirteen zones for 2010 IRM study. More zones in New England will cause run times to increase. It was recommended to make this a sensitivity study so the ICS can see what the impact is on the run time, the emergency assistance to NYCA, and other benefits of using a 13 zone model.

2.4.9. Norwalk to K limit (286 MW) is going through a SRIS to raise cable to the full capability of the line (450 MVA).

2.4.10. Refinements to the write up will continue and discussion will continue at the next ICS meeting in May.

### **3. HQ Wheel Through Issue**

3.1. ESPWG decided that they wouldn't model the wheel as a contract or de-rate in the tie – however they will be modeling it as a scenario.

3.2. Tariff language supporting the wheel was requested; however the tariff language leaves much interpretation as to how to model this wheel through New York from HQ to NE.

3.3. Issue whether the MOU with New England is clear on both New York Control Area's part as well as New England about transacting capacity across the

borders and what one would do to ensure that capacity has real meaning. If we are not living up to that agreement with our neighboring pools for external capacity sales/contracts, we need to address this. ICS needs guidance on two issues: 1. How to model these external firm sales/contracts to neighboring regions and 2. How to handle deliverability issues arising from sales to external pools. Should external pools or ISO's pay for deliverability costs, such as transmission upgrades and infrastructure.

3.4. Mr. Bill Lamana stated that each year, the transmission study and power flow study will reflect firm capacity sales to neighboring regions, so we are significantly reducing transfer limits due to the inclusion of the external contracts and thus including these contracts.

3.5. Carlos Villalba volunteered to write down ICS's proposal on how to model the wheel-through and circulate to the group. Greg Drake will then run sensitivity based upon this write up. (Action Item 110)

#### **4. Next Meetings**

4.1. Meeting 111 – Tuesday May 4th

4.2. Meeting 112 - Tuesday June 1st

4.3. Meeting 113 - Wednesday June 30th

Conference Call #110a – Minutes from April 8<sup>th</sup>, 2010

Secretary: Carlos Villalba

Reported by: Hilary J. Goldman

(Con Edison)

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