

# NYSRC Installed Capacity Subcommittee

Meeting #110

**March 31st, 2010**

**9:30 a.m. – 2:30 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. Kelvin Chu (Con Edison) .....	<input type="checkbox"/>	<input checked="" 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 checked="" 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 checked="" type="checkbox"/>
Mr. Han Huang (NYPA) .....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Glenn Haake (Dynegy, Inc. - Generation Owners).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Harry Joscher (PSEG Power, LLC).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Chris Wentlent (AES-NY).....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Mark Younger (Slater Consulting - Generation Owners) .....	<input checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>

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

Guests Present:

Mr. Robert Boyle (NYPA).....	<input type="checkbox"/>	.....	<input checked="" type="checkbox"/>
Mr. Frank Francis (BEMI).....	<input type="checkbox"/>	.....	<input 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"/>
Mr. Chris De Graffenried (NYPA) .....	<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. Action Items

### Closed

**102-4.** Closed upon recirculation of document that shows final methodology/procedure used to model sales from C, D. and E to New England's FCM.

**105-1.** NYISO and Con Edison to verify RECO model.

**105-3.** Resulting discussion from this action item resulted in ICS deciding that for future RNA and IRM studies, the contracts should be modeled as contracts and not derates.

**107-4.** Request for high level impact of environmental regulations on generation sources completed.

**108-3.** Policy 5 revision suggestion to examine how NYCA reserve margin is affected by external control areas' reserve margin.

**108-7.** Action item closed to summarize page 100 of State Energy Plan to ICS committee.

### Revised

### New

**110-1.** Conference call scheduled (4.8.10) to discuss issue of modeling firm sales in MARS for RNA and future IRM studies.

## 2. NYISO proposed changes to MARS Topology for planning studies (including the IRM)

- 2.1. Modeling from RNA study has a few differences from the ICS's IRM study.
- 2.2. Prompted NYISO to run case with HQ to NE tie modeled and thirteen zones modeled in New England.
- 2.3. LOLE's were circulated for three MARS runs to help with this discussion regarding the topology changes and the HQ wheel. The three cases were as follows:
  - 2.3.1. 2010 IRM Base Case (5 NE Bubble model)
  - 2.3.2. NE 13 Bubble Model Benchmark
    - 2.3.2.1. This case incorporated the full 13 bubble NE CP8 data into the 2010 IRM data base except the following items were revised to more closely match the IRM model assumption parameters: 1. changed the

Boston Import limit from 4900 to 3600 MW; 2. set the HQ-NE tie limits to 1 MW, 3. used the NE loads designated in the 2010 IRM 5 bubble model.

- 2.3.3. 120 MW HQ to NE contract:
  - This case used Case 2 noted above with the following modifications:
    - restored the HQ-NE ties and added a 120MW contract from HQ through NY to NE
- 2.4. NYISO ran a base case representing these new ties in HQ and NE and new topography in New England – NYISO circulated documents about the proposed changes to the ISONE topology as well as interfaces and ties between New England and Hydro Quebec. Also circulated NYISO's MARS LOLE results when making these changes to the base case model.
- 2.5. Recommended that the NYISO just model NE – HQ wheel and see the impact alone and not look at the combination in effects of the NE to HQ wheel and the external ties. Also requested to examine the 0t.09 files to check the flows and results on these cases.
- 2.6. No Emergency Operating Procedures were modeled in ISO New England.
- 2.7. Recommended not to model contracts from Hydro Quebec to New England; instead remove 900 MW of generation from New England which is what New England counts towards their capacity market from Hydro Quebec (in addition to the removal of generation to get to the 50% such that it won't exceed the minimum requirement of the area). Include 900 MW as a generation capacity resource. Includes removing up to 15% *including* the 1400 MW coming from Hydro Quebec.
- 2.8. Understand how the 1400 MW is counted capacity wise – from that point, we can run sensitivities using this base point.
- 2.9. Issue to be further discussed at April 8<sup>th</sup> conference call.

### **3. State Energy Plan discussion**

- 3.1. Document to be circulated outlining the key points from the New York State Energy Plan – to be circulated before the conference call on April 8<sup>th</sup>.
- 3.2. Al Adamson discussed the SEP and potential issues arising from the study that could impact reliability, generation resources, and capacity issues.
- 3.3. Suggestion about tracking recommendations made in the SEP that could impact electric reliability.

3.4. This plan differentiates from previous energy plans because it has recommendations and implementation action plans. ICS should keep watch on the various implementation action items that may affect electric reliability.

#### **4. SCR modeling**

- 4.1. Discussion about how to correctly account for SCRs as a capacity resource.
- 4.2. Need to capture degradation of performance that results from the number of times the SCR resource is called upon for load reduction.
- 4.3. Suggestion to do a parametric assumption of various SCR performances/or availability for IRM study, as well as the impact SCR performance has on the resulting reserve margin.
- 4.4. ICS and NYISO need to understand what the correct way to capture SCR performance.
- 4.5. Recommendation that the NYISO do a more detailed analysis of the actual performance of SCR participants so that ICS knows how to accurately model SCRs as a load reduction resource (especially since it does have a large impact on the IRM results).
- 4.6. Also suggestion to NYISO to expand the coverage of energy efficiency programs so that the ICS can use this information in the IRM studies.

#### **5. Capacity shift methodology update**

- 5.1. Has been some dispute over the new proposed methodology. Question came up over the amount of error associated with the current shifting methodology versus the new proposed method.
- 5.2. Suggestion made to send it to the ICAP working group to discuss creating new localities. However, this solution suggestion will not happen anytime soon.
- 5.3. Recommended though to revise Policy 5 first to implement new capacity shift methodology and then focus on creating new localities.
- 5.4. Request to re-circulate a finalized white paper on this new methodology.
- 5.5. To be discussed at a future conference call.

#### **6. Zonal capacity removal methodology**

- 6.1. Need more time to test these methodologies – No further update

## **7. NYISO IRM database**

- 7.1. GE was informed that it is a priority to mask confidential data in order to circulate the IRM MARS database.
- 7.2. Should be completed in the next 8 weeks.

## **8. HQ and Brookfield Wheel Through (NYISO)**

- 8.1. In June 2011, there is wheel through New York to New England's FCM.
- 8.2. This trend continues through 2012 and sales into New England's Forward Capacity Market
- 8.3. All available on New England Forward Capacity Market – link to this information will be circulated to the group.
- 8.4. Still debate over whether to model these as contracts or tie de-rates.
- 8.5. Need Glen to help ICS to understand best way to represent both wheel-through transactions.
- 8.6. Curt Dahl indicated that there is no written documentation indicating that New York will allow wheel-through transactions and that there is still debate on how to handle this issue, especially with the reciprocity issue. It was suggested that the ICAP working group look at this issue and work with the Executive Committee and the NYISO to decide the appropriate tariff rules or interpretation of the rules to guide the ICS on how to properly model these wheel through transactions.

## **9. Next Meetings**

- 9.1. Conference Call 110a - Thursday April 8th
- 9.2. Meeting 111 – Tuesday May 4th
- 9.3. Meeting 112 - Tuesday June 1st
- 9.4. Meeting 113 - Wednesday June 30th

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Secretary: Carlos Villalba

Reported by: Hilary J. Goldman

(Con Edison)