

NYSRC Installed Capacity Subcommittee

Meeting #112

June 1st, 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"/>
Mr. Madison Milhous (National Grid).....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Syed Ahmed – (National Grid)	<input checked="" 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 (Dynergy, Inc. - Generation Owners)	<input type="checkbox"/>	<input 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. Robert Boyle (NYPA).....	<input checked="" 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. Dave Lawrence (NYISO)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Mr. Greg Drake (NYISO).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Bill Lamanna (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ms. Tracy Landers (NYISO).....	<input 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 checked="" 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. Dave Lawrence (NYISO)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Arthur Maniacci (NYISO)	<input checked="" 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. Jim D'andrea (Transcanada)	<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. Arvind Jaggi(NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Tougas (Con Edison).....	<input type="checkbox"/>	<input type="checkbox"/>

1. Action Items

Closed

110-1. Conference call on issue of modeling firm sales in MARS for RNA and future IRM studies

110-2. Paper to outline how ICS proposes to model the HQ to NE wheel through NYCA and circulate to the ICS group, especially to the NYISO so they can run a sensitivity case on this issue.

102-6. Upstate/Downstate study to be completed for one more year to satisfy the 3 year study requirement.

Revised

All action items due were reviewed and discussed.

New

112-1. Dave Lawrence. SCR reliability study.

112-2. Greg Drake and Kelvin Chu to investigate whether to use EFOR or EFORd as input in the MARS model for transition rates.

112-3. Greg Drake Reduce ISONE model to improve modeling time. Greg Drake

112-4. Curt Dahl to send operating conditions for the Norwalk cable and dependency with local generation.

112-5. Frank Ciani to send UCAP methodology spreadsheet for ICS revision.

2. Assumption Matrix

2.1. Load

Mr. Avind Jaggi from the NYISO presented the 2009 load shape analysis. Mr. Jaggi comparative analysis excluded 1996, 2000, and 2004 load shapes for being very cool summers and therefore not conservative enough for the IRM studies. This year the NYISO presented an additional analysis of the load curves since they observed a trend in the shape of the curves near the peak loads. They reported that while the very peak load days remain in per unit average, the near peak days are tending to be lower than average. The members agreed to monitor this trend again next year to determine if a change for a load shape that is more representative of the current load is deemed necessary. The members asked Mr. Jaggi for a comparison of 2002 and 2006 load shapes. If this comparison ratifies using the 2002 load shape in the model, then the members will conclude that the 2002 load shape remains more appropriate and that further evidence of the trend found by the NYISO will be necessary to consider changing the load shape for one less conservative. In contrast, the members also agreed that having a load shape that is overly conservative is not desirable.

The members review the EEPS report from the DPS and will consider a modification of the load forecast depending on the DPS second quarter EEPS report.

2.2. Renewable Power and Wind Generation

The group reviewed the list of new projects and determined to remove projects that don't have an RFP.

2.3. Calling for Neighboring Pools EOPs during NYCA emergencies

Mr. Carlos Villaba reported to the group that the RNA study treatment of neighboring pools was deviated from the established NYSRC Policy 5 methodology, in which neighboring pools:

- LOLE cannot be lower than its own LOLE criterion,
- its isolated LOLE cannot be lower than that of the NYCA, and
- its IRM can be no higher than that Area's minimum requirement.

Particularly the neighboring pools LOLE were not tested on whether they were higher than the NYCA LOLE. Mr. Villalba pointed out that this methodology has no upper boundary on the LOLE for a neighboring pool. This situation leads to sometimes arbitrarily make assumptions of an important variable in the NYCA IRM calculation because emergency assistance from neighboring pools depend on these settings.

2.4. Load Forecast Uncertainty

Mr. Arthur Maniaci reported to the group that the NYISO has agreed with the methodology used by Con Edison to determine the LFU, and that in the next couple of weeks NYISO and Con Edison will document the methodology description that will be attached to Policy 5.

Mr. Maniaci suggested to the group that the LFU should also take into consideration the economic uncertainty of the forecast. He agreed to develop a proposal and present it to the group.

2.5. Changes in System Topology

Mr. Bill Lamanna explained to the group the following changes:

- New topology will include nomograms for the NUSCO cable that will depend on LIPA units
- Con Edison's M29 feeder cable will be included in the system topology increasing the cable interface I to J in 300 MW.
- Increase in the Athens-Gilboa area coefficient from 1.4 to 1.47, which he rounded to 1.5.

- UPNY/SENY interface decreased from 5200 to 5000 MW due to changes in the New England dispatch
- RECO load area was moved from being attached to zone G to in between zone G and PJM.

The group discussed reducing the ISONE data to gain computational speed. Mr. Greg Drake will look into reducing the neighboring pools.

2.6. SCR Forecast

Mr. Dave Lawrence reported that this summer forecast is 2251 MW. Mr. Younger asked Mr. Lawrence to make the three year CAGR calculation using ICAP instead of UCAP ratings. Mr. Lawrence said that the calculations will be performed after having the August registration results.

The group discussed with Mr. Lawrence the objective of the SCR study and what the group was trying to get from the study in regards to SCR saturation and performance.

3. Results of new shifting/removing methodology

The NYISO presented the impact on the IRM/LCR curve of implementing the two new methodologies for shifting and removing generation in the model to arrive to an LOLE of 0.1 days/year. The resulted NYC curve shapes and tangent 45 were as expected, however the LI curve shapes were abnormal since they had a kink in them. Mr. Francis will investigate the cause and report back to ICS.

4. Upstate/Downstate Study

Greg Drake sent the final results and presentation to the group and reported that the results of the study have not changed through out the years. The four year reporting on the study concluded that the NYS upstate and downstate areas share and contribute equally to the total risk of NYCA disconnecting load due to a lack of available resources. The results actually illustrated that the upstate zones rely slightly on the downstate zones J and K.

Secretary: Carlos Villalba

(Con Edison)