

NYSRC Installed Capacity Subcommittee

Meeting #122

March 29th, 2011

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 type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Kelvin Chu (Con Edison)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Gregory Chu (Con Edison)	<input checked="" type="checkbox"/>	<input 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 checked="" 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 (Dynegy, 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 checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Mark Cordeiro (Municipal Power Agency).....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Robert Boyle (NYPA).....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Rich Wright (CHG&E).....	<input type="checkbox"/>	<input type="checkbox"/>
Ms. Erin Plasse – filling in for Rich Wright (CHG&E).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Bart Franey (National Grid).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Advisers/Non-member Participants:		
Mr. John Adams (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Peter Carney (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>

- Mr. Frank Ciani (NYISO).....
- Mr. Dave Lawrence (NYISO)
- Mr. Greg Drake (NYISO).....
- Mr. Bill Lamanna (NYISO)
- Mrs. Kathy Whitaker (NYISO)
- Ms. Mariann Wilczek (NYISO)
- Ms. Erin Hogan (NYSERDA)
- Mr. Ed Schrom (NYPSC)
- Mr. Glenn Haringa (GE Energy).....
- Mr. Gary Jordan (GE Energy)
- Mr. Al Adamson (Consultant).....
- Mr. Frank Vitale (Consultant)
- Mr. Arthur Maniacci (NYISO)
- Mr. Yannick Vennes (HQ).....
- Mr. Scott Leuthauser (Consultant for H.Q. Services)
- Mr. Henry Chao (NYISO).....
- Mr. Howard Tarler (NYISO)

Guests Present:

- Mr. Jim D'andrea (Transcanada)
- Mr. Bradley Kranz (NRG Energy, Inc.).....
- Mr. Alan Ackerman (Customized Energy Solutions).....
- Mr. Paul Gioia (NYSRC)
- Mr. Chris De Graffenried (Con Edison)
- Dr. Roy Shanker
- Mr. Phil Phedora (NPCC)
- Mr. Wes Yeomans (NYISO).....
- Ms. Kathune Zannat (LIPA)
- Mr. Arvind Jaggi (NYISO)
- Mr. Frank Francis (Brookfield).....
- Mr. Yuri Fishman (LIPA)
- Mr. Mayer Sasson (ConEd)
- Mr. Tom Patrit (EPS)
- Mrs. Pamela Quinlan (Con Edison)

1. New Secretary

Starting with Meeting #122, the role of secretary to the Installed Capacity Subcommittee has been passed to Mr. Gregory Chu from Mr. Carlos Villalba. ICS chairman Mr. Curt Dahl and all the ICS members would like to extend their appreciation of Mr. Villalba's dedication and hard work as the secretary for many years to this committee.

2. EFORd True Up/ Transition Rates (NYISO/Con ED) Methodology

ICS members discussed the two different methodologies at length during the meeting.

The NYISO true-up method currently has 8 outstanding issues from last November's white paper. GE has reviewed the true-up method before and provided comments. Mr. Glenn Haringa from GE stated that NYISO's method is reasonable and can be used to formulate EFORd. He also believed that the Con Ed method recognizes reserve shutdown, although reserve shutdown is an economic decision and reliability does not include economic considerations.

Mr. Carlos Villalba and Mr. Kelvin Chu from Con Ed emphasized that EFORd is derived from transition rates and thus transition rates need to be correctly computed using available data. True-up is not necessary if transition rates are derived accurately.

Chairman Mr. Curt Dahl announced the formation of a Transition Rate/EFORd technical working group, and requested Con Ed, National Grid, NYISO, and GE representation, as well as other interested parties. The working group is tasked to 1) recommend the best long term method for ICS to adopt and 2) identify which method, if any, can be implemented for this year's study. Mr. John Adams reported that Associated Power Analyst will be contracted by the NYISO as a consulting group (includes LOLE experts Dr. Singh and Dr. Patton from Texas A&M University) to provide technical opinions on the methodologies and assist in evaluation.

Mr. Adams will be setting up the technical working group meeting, which will meet at the NYISO-Krey Boulevard on April 15 (AI122-2).

3. SCR Study

Mr. Wes Yeomans was present at the ICS meeting and mentioned that NYISO has a draft study scope that is not yet ready for distribution, but can be discussed.

There are two parts: 1) performance/persistence and 2) evaluation study on the adequacy of demand response as resource penetration levels get higher.

NYISO submitted to FERC a change in baseline calculations that may affect future performance calculations. FERC is expected to respond by April 11. NYISO is committed to evaluating performance and persistence, even if it is in regard to the new baseline.

Effective Load Carrying Capacity (ELCC) can be derived using MARS to determine the capacity value of the SCRs. Mr. Yeomans described the method as the following:

1. Add increasing blocks of demand response in the resource mix, which will result in a lower LOLE values.
2. Add loads to bring LOLE back to 0.1.
3. Divide the incremental SCR by the increase in load to arrive at ELCC.

A curve can be generated this way with ELCC versus blocks of demand response added to the resource mix. Several curves need to be generated for 4 hour, 6 hour, 8 hour, 10 hour, and 12 hour contributions. The frequency at which SCR are called on would also be an important part of the analysis.

Mr. Mark Younger cautioned that SCR may be misrepresented in the IRM Modeling because it assumes that the SCRs reduce the peak load for the day by the amount of the SCR call. Since SCRs are only required to perform for four hours, the result of the SCR call may be to shift the day's peak to another hour

occur outside of the time frame (4 hr) the SCR are obligated for. The net savings may be significantly less than the level of the SCR capacity and therefore SCR amounts may be over stated in the IRM modeling and the need for conventional generators may be understated. This should be considered during the study.

A draft scope should be available by the next meeting (AI 122-3). Mr. Yeomans will be at the meeting as well for further discussion.

4. UCAP Shifting Methodology

Mr. Frank Ciani performed calculations to compare the current NYISO method versus the proposed UCAP shifting methodology method from Con Edison. He presented 4 charts showing the result of the differences. The first chart showed that with increasing wind penetration in area D, the ICAP removed by Con Ed's method was greater than the NYISO method. The same phenomenon was seen in UCAP as well. Also, with the NYISO method, FOR doubled from 1000 MW to 10000 MW wind and the difference between ICAP and UCAP was 4x. The same comparison chart was shown for Con Ed's method as well.

In summary, there was no difference in LOLE for the two methods. The difference appeared in ICAP. Mr. Dahl recommended that both parties discuss and report back to the ICS committee on a mutually agreed approach (AI 122-4).

5. Assumption Matrix

ICS members reviewed the Assumption Matrix for updates and comments. NYISO expects to discuss the composite wind shape at the next ICS meeting. (AI 120-3)

ICS requested Mr. Pete Carney's presence (or a memo to the committee) at the next meeting to discuss environmental impacts. (AI 122-5)

ICS clarified the role of TPAS in reviewing the NYCA transmission representation during the meeting. TPAS shall review the transmission limits as well as the underlying conditions and assumptions used to develop these limits.

6. Action Items

Closed

116-1: Review capacity adjustment methodology for New England. Scott and Syed (**place a reference to CELT report in the IRM report**)

120-1: Con Edison will provide the UCAP Shifting Methodology document for the hyperlink in Policy 5-4

Revised

103-1: The ICS requested that Greg Drake ask GE how long it will take them to mask confidential information. Greg has already followed up with the NYISO's legal department to find out what information must be hidden in order to release the masked database to parties that signed the confidentiality agreement. Benchmark new version. (date revised to **5/31/2011**)

120-3: NYISO to provide a presentation on composite shape methodology for wind resources (date revised to **5/4/2011**)

120-4: Syed Ahmed to report on the completion time for the Nine Mile upgrade project (date revised to **5/4/2011**)

New

122-1: Parametric Analysis Report "Table 1" (5/4/2011)

122-2: Mr. Adams to set up a technical working group for EFORD true-up/ Transition Rate methodology on 4/15/2011

122-3: NYISO with a draft scope for the SCR study (5/4/2011)

122-4: NYISO and Con Edison to discuss and report back on a mutually agreed Shifting methodology. (5/4/2011)

122-5: Peter Carney to attend (or to provide a memo) at the next ICS meeting to discuss environmental regulation impacts (including NAAQS) for the 2012 IRM Study. (5/4/2011)

Secretary: Gregory Chu

(Con Edison)

Next meetings:

Meeting 123, Wednesday, May 4th at NYISO HQ

Meeting 124, Tuesday, May 31st at NYISO HQ

Meeting 125, Wednesday, June 29th at NYISO HQ

Meeting 126, Wednesday, Aug 3rd at NYISO HQ

Meeting 127, Tuesday, August 30th at NYISO HQ

Meeting 128, Wednesday, October 5th at NYISO HQ

Meeting 129, Wednesday, November 2nd at NYISO HQ

Meeting 130, Monday, November 28th at NYISO HQ
