

NYSRC Installed Capacity Subcommittee

Meeting #153

October 29th, 2013

10:00 a.m. – 3:00 p.m.

Meeting Minutes

Attendees

	Present	Tel
Members / Alternates:		
Mr. Curt Dahl (LIPA), EC Vice Chairman	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Yuri Fishman (LIPA)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ms. Kathune Zannat (LIPA)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Rich Wright (CHG&E)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Luting Pan (Con Edison)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Gregory Chu (Con Edison), Secretary	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Kelvin Chu (Con Edison)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Syed Ahmed (National Grid)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Bart Franey (National Grid)	<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. John Tighe (NYSEG-RGE)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Richard Brophy (NYSEG-RGE)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Robert Boyle (NYPA), ICS Chairman	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Andrea Fossa (NYPA)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Bradley Kranz (NRG Energy, Inc.)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Chris LaRoe (IPPNY)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Mark Younger (Hudson Energy Economics, LLC.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Mark Cordeiro (Municipal Power Agency)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Michael Mager (Couch White, LLP)	<input type="checkbox"/>	<input type="checkbox"/>
Advisers/Non-member Participants:		
Ms. Erin Hogan (NYSERDA), ICS Vice Chair	<input type="checkbox"/>	<input type="checkbox"/>
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).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Dave Lawrence (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. Mariann Wilczek (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Steve Lemme (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Ed Schrom (NYPSC)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Nicholas Occhionero (NYPSC)	<input type="checkbox"/>	<input checked="" 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. Arthur Maniaci (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Scott Leuthauser (Consultant for H.Q. Services)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Henry Chao (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Howard Tarler (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Wes Yeomans (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Paul Gioia (NYSRC)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Dana Walters (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ms. Donna Pratt (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. David Allen (NYISO).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dr. Kai Jiang (NYISO).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Mark Walling (GE)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Gary Jordan (GE)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Glenn Haake (NYPA).....	<input type="checkbox"/>	<input type="checkbox"/>

Guests Present:

Mr. Charlie Shafer (AES)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Dean Ellis (Dynergy).....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Jim D'andrea (Transcanada)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Alan Ackerman (Customized Energy Solutions).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Dr. Roy Shanker	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Phil Fedora (NPCC).....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Arvind Jaggi (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Frank Francis (Brookfield).....	<input type="checkbox"/>	<input type="checkbox"/>

Mr. Tom Patrit (EPS)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Ruben Brown (The E Cubed Co.)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. John Dalwin.....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Richard Quimby.....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Randy Wyett (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. John Dowling (Luthin Associates).....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Timothy G. Lundin (Customized Energy Solutions).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Norman Mah (Con Edison)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Matt Renninger (Energy Curtailment Specialist)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Jim Scheiderich (Energy Curtailment Specialist).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ms. Kathy Slusher (SUNY)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Rick Roby (Dynergy).....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Shaun Johnson (NRG)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Liam Baker (USPowerGen)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Luc Bernier (HQUS).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>

1. APA EFORD New Software Rules

Dr. Kai Jiang (NYISO) presented the expanded pretreatment procedure 2 of the data for the APA software. The priority level was expanded from 5 levels to 8 levels in order to account for complex overlapping events that affected the 6 units.

Frank Vitale (NYSRC- Consultant) asked about the differences between priority level 4 and 5, which had higher/lower net capacity due to forced derating. Dr. Jiang explained that there could be overlapping derating events. Thus the software needed to capture the lower net capacity of the overlapping capacity. Chairman Bob Boyle asked why level 5 would ever come into play when there's an overlap. Dr. Jiang further explained that the software will now use the lower capacity as the final value for calculation and the problem before, and the need for this level 4/5 distinction, is that the software does not know what to do when overlapping of different capacity occur at the same time, not so much as which capacity it would choose. Dana Walters (NYISO) also commented that it is only

when a level 5 event interacts with 6-8 would this be a relevant step of priority the software considers.

Chairman Boyle also asked about the need to separate reserve shutdown from the maintenance outage, priority levels 2 and 3. He mentioned that once the unit is scheduled for maintenance, it is no longer on demand. Dr. Jiang said that the reserve shutdown was separated due to its significance as a market EFORd metric (RS+ operating hours = service hours). This is for benchmarking reason.

Gregory Chu (Con Edison) asked why is there a need provide a separate step for level 7, since non-curtailing events does not affect capacity, and thus in the original report they are lumped in level 8. Dr. Jiang said that there could be a scenario where the unit is already at a derate state, but a separate event can occur yet does not affect capacity. This state is not at full capacity and thus need a separate priority level for the distinction.

2. SCR and Voltage Reduction

In relation to action item 152-2, Jim Scheiderich (ECS) mentioned that he was concerned about the way the SCR were modeled in the study. He suggested that they should be separated by zone, which other ICS members mentioned that they are already, and they should not be using fleet average EFORds. Mark Younger (Hudson Energy Economics) and Chairman Boyle both said that this is consistent with policy 5.

Both Mr. Younger and Mr. Scheiderich also inquired about possible duration limitation of voltage reduction. ICS is requesting the NYISO operation to look into any limitation and provide some feedback. **(AI 153-1)**

3. IRM report – LHV LCR

Chairman Boyle mentioned that the group has previously agreed that there would be a mention of the LHV LCR but not including the actual percentage in the report.

Mr. Younger asked if the NYISO can provide the LHV LCR percentage to the group. Dave Allen (NYISO) stated that the NYISO is still reviewing the process and could not provide the percentage until the review is complete.

Chairman Boyle mentioned that regardless if the percentage has been determined, we need to have some language in the report. Mr. Allen said that the language is also being reviewed. Chairman Boyle and Al Adamson (NYSRC-consultant) both stated that the Executive Committee will be looking for this write-up.

Chairman Boyle said that by the next special ICS meeting on November 5th, the NYISO needs to provide the words for ICS member review. Mr. Adamson volunteered to provide the write-up for the IRM report.

4. Final Base Case IRM Results

Mr. Drake described all the changes that went into the final base case from the preliminary case. He said that the hydro maintenance fix is in place. 6 units had their EFORD adjusted. Load forecast were updated for the final base case. A draft appendix will be circulated that describes all the changes. Finally, Mr. Drake said that external area capacity and load values were adjusted due to the introduction of multiple year load shapes and 2 external areas dropped below 0.1 LOLE.

Frank Ciani (NYISO) displayed on the WebEx, the two IRM/LCR curves for zones J and K. 16.99% is the tangent 45 results for IRM, with 84.7% J LCR and 106.9% K LCR.

The NYISO will convert the curves for the EC and IRM report. **(AI 153-2)**

5. Indian Point Retirement Sensitivity Case Results

Mr. Drake said that the EC did not require this particular case. Mr. Adamson said that there was one EC member who mentioned it could be excluded. However there was no consensus at the EC meeting. The concept there was that the

cases were almost the same as it was last year, thus a new run may not be necessary. Chairman Boyle asked if it is still possible to run the case for the IRM report. Mr. Walter reiterated that he was directed not to spend time to perform this case. Mr. Adamson suggested that perhaps the NYISO can just run a simplified case of removing IP units and determine the LOLE, without replacing the capacity and any additional adjustments to save time. Chairman Boyle will speak with the NYISO offline.

6. Draft IRM Base Case Report

Mr. Adamson said that, for the body of the report, he needs to update the IRM % to reflect the final base case results.

Mr. Adamson reminded that the body is still missing the write up for the new capacity zone and Monte Carlos error analysis from the NYISO. He expects to have the report ready for NYISO review by tonight. He also expects to send out the draft to ICS members by Thursday (10/31) afternoon.

Mr. Vitale mentioned that there's a section that has a reference to the load level in the past report, but that reference is missing from the NYISO supplied write-up. Also, the transmission topology for New England was also missing. Mr. Drake would like to take out the New England topology diagram.

Scott Leuthauser (HQUS) asked if we can just take the external topology from CP-8 and Mr. Ciani said they are not exactly the same.

Mr. Chu commented that if the NYISO excluded New England's topology, quality assurance will become extremely hard to perform since the changes in the interfaces and limits in that control area would not be visible to check against the modeled values, especially Mr. Ciani said that it is different than other studies. Chairman Boyle agreed, along with Yuri Fishman and Mr. Leuthauser concurrence, that the topology should be included in the report.

Mr. Adamson outlined the schedule on the report. He said we need comments before 11/5 ICS special meeting. ICS needs to provide additional comments by 11/22, and approve the report by 12/2 ICS meeting.

Rich Brophy will check with John Tigue and provide a revision for the ICAP/UCAP translation. **(AI 153-3)**

7. HQUS External CRIS

Following on from the October 28th, 2013 ICS meeting, Mr. Leuthauser representing HQUS, further discussed MARS modeling of incremental capability on the external ties. Mr. Leuthauser discussed the potential of obtaining incremental external CRIS associated with a market participant funded project and studied through the SIS, or SRIS, and/or the Class Year process. In such an event, Mr. Leuthauser proposed that the MARS modeling follow that already established for Chateaugay, where there is 1090 MW of Grandfathered External CRIS is modeled as a capacity contract, and the additional 410 MW remaining as available to NYCA as emergency assistance. The proposed project would increase the transfer capability on the Cedar Rapids Transmission (CRT) intertie. As aforementioned, the MARS modeling would still include the current 190 MW of available emergency assistance and the incremental transfer capability resulting from the proposed project would be modeled as an external CRIS contract. All ICS members in attendance unanimously agreed on this modeling in MARS.

Secretary: Gregory Chu

(Con Edison)

Next meetings:

Meeting 154, Monday, December 2nd at NYISO HQ

Meeting 155, Monday, January 6th Teleconference Call

Meeting 156, Tuesday, January 28th at NYISO HQ

Meeting 157, Wednesday, March 5th at NYISO HQ

Meeting 158, Wednesday, April 2nd at NYISO HQ

Meeting 159, Tuesday, April 29th at NYISO HQ
Meeting 160, Wednesday, June 4th at NYISO HQ
Meeting 161, Friday, June 27th at NYISO HQ
Meeting 162, Tuesday, July 29th at NYISO HQ
Meeting 163, Wednesday, September 3rd at NYISO HQ
Meeting 164, Wednesday, October 1st at NYISO HQ
Meeting 165, Tuesday, October 28th at NYISO HQ
Meeting 166, Monday, December 1st at NYISO HQ
