

NYSRC Installed Capacity Subcommittee

Meeting #144

January 29th, 2013

10:00 a.m. – 3:00 p.m.

Meeting Minutes

Attendees

	Present	Tel
Members / Alternates:		
Mr. Curt Dahl (LIPA)	<input type="checkbox"/>	<input type="checkbox"/>
Ms. Polina Adelson (LIPA)	<input checked="" 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 checked="" type="checkbox"/>
Mr. Syed Ahmed (National Grid)	<input checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>
Mr. John Tigue (NYSEG-RGE)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Richard Brophy (NYSEG-RGE)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Robert Boyle (NYPA), Chairman	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Andrea Fossa (NYPA)	<input type="checkbox"/>	<input 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 (Slater Consulting - Generation Owners)	<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), EC Chairman	<input type="checkbox"/>	<input 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).....	<input 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"/>
Mrs. Kathy Whitaker (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Ms. Mariann Wilczek (NYISO)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ms. Erin Hogan (NYSERDA)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Ed Schrom (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 type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Henry Chao (NYISO).....	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>
Mr. Kai Jiang (NYISO)	<input 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 (Haake Energy Consulting LLC).....	<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 type="checkbox"/>
Mr. Alan Ackerman (Customized Energy Solutions).....	<input type="checkbox"/>	<input 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. Nicholas Occhionero (NYPSC)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Timothy G. Lundin (Customized Energy Solutions).....	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Norman Mah (Con Edison)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Matt Renninger (Energy Curtailment Specialist)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ms. Kathy Slusher (SUNY)	<input type="checkbox"/>	<input type="checkbox"/>
Mr. Rick Roby (Dynergy).....	<input type="checkbox"/>	<input type="checkbox"/>

1. IRM Study Milestone Schedule

Chairman Bob Boyle (NYPA) stated that Al Adamson (NYSRC – Consultant) was working with the NYISO to finalize the milestone schedule.

The NYISO added the task “ICS reviews and approves sensitivity test methodology” in the August timeframe. Chairman Boyle thinks this need to be performed earlier.

Erin Hogan (NYSERDA) asked about the amount of time needed to generate the tangent 45 curves. Gregory Drake (NYISO) stated that 5 working days are needed. Ms. Hogan also wondered if the tangent 45 in August is being used. Mr. Drake said that the results are used for sensitivity.

Chairman Boyle said that by August 1st, we should have a list of the sensitivity cases to present to the Executive Committee, instead of September.

Mr. Drake said that if the lockdown date is moved back from July, UDR elections can be updated in the model.

Mr. Adamson stated that October 1st should be the assumption lock down date. Any major changes after that date should be performed as a special sensitivity case.

Mark Younger (Hudson Energy Economics) proposed that we should define the need for a change by November 15th. He also suggested that there should be just one major change to be considered. He emphasized that the special sensitivity case should be only performed when there is a significant change to the model due to unit retirement, cable failures, etc.

Ms. Hogan suggested that a second ICS meeting for October may be helpful and necessary. She also suggested the case to be sent out for review before the tangent 45 is performed since there may be a problem with case and 5 days would be wasted. She added a second meeting in August may be helpful.

Mr. Drake requested that if a tangent 45 run is needed for the special sensitivity case, now referred to as base case prime, the NYISO needs to know by November 15th.

Chairman Boyle asked why a base case prime is needed when the changes can be incorporated into the final base case. Mr. Younger stated that a retirement may not occur, even though the notice has been filed.

Chairman Boyle polled for consensus on the final agreement of the cut-off date updates. 2 members voted to include no retirements by October 1st, while 5 members voted to include all retirements up to October 1st.

From October 1st, ICS members will gather information for the base case prime. By the November ICS meeting, the members will decide if a base case prime is needed. By November 15th, the members will decide if a tangent 45 run for the base case prime is necessary.

Chairman Boyle and Mr. Adamson will present the Policy 5 wording at the next ICS meeting **(AI 144-1)**

2. NYISO 2013-2014 Locational Capacity Requirement Study

Mr. Drake mentioned that Danskammer's retirement was included in the LCR study due to its inoperability. Both zone J and K's LCR increased to 86% and 105% respectively.

Chairman Boyle mentioned that the ICS should not volunteer to perform a new tangent 45 study under this type of circumstance. He believed that the EC has the right and obligation to order a tangent 45 if they deemed necessary. Mr. Younger agreed.

Henry Chao (NYISO) suggested that perhaps the ICS should perform a sensitivity that can capture the unforeseen situation of losing generation. This allows the EC to see the effect. Mr. Younger did not agree since the EC did not place any weight on the Indian Point retirement results. Danskammer retirement was unexpected.

Mr. Younger said that the retirement of a unit should be studied since it has an impact to reliability. Yuri Fishman (LIPA) disagreed since the IRM did not change significantly. Mr. Fishman stated that by raising the LCR, the reliability of the system did not improve. Instead, certain zones in New York ended up bearing an increase in cost. Mr. Fishman had a suggestion about treating this retirement in the ICAP study instead but was still considering the details.

Syed Ahmed (National Grid) agreed with Mr. Fishman. At the same time, since the ICS is tasked with ensuring reliability, he agreed that we should not be involved in the NYISO LCR study without EC's request.

In the end, members agreed that the EC should be the main party that determines if a new study and tangent 45 results are needed based on a model change that happened between the time period of IRM approval and LCR determination.

3. EFORd APA Model Deviation

Mr. Drake said the NYISO new hire, Dr. Kai Jiang (NYISO) is currently looking at the deviations. He mentioned that Dr. Channan Singh is no longer working on the project due to a lack of funding.

Gregory Chu (Con Edison) expressed reservation about not having Dr. Singh on board. He argued that his expertise with the issues and his experience by being involved from the beginning of the process is invaluable. While Dr. Jiang may be technically competent, he does not have the background of the entire effort in order to draw an accurate conclusion on the deviations witnessed in the model. Mr. Chu strongly urged the NYISO to consider bringing Dr. Singh back onboard to ensure the deviations are fully explained.

4. Multi-year Load Shape Methodology

John Adams (NYISO) said that Dr. Jiang will once again be a crucial part of this process. He stated that external areas need to be aligned and wind load shapes will also be a part of this.

5. Analysis of Wind Plant Generation vs Load – NYISO presentation

Mr. Adams presented a study of the wind generation versus load to see if there's a relationship between them. Mr. Adams took 30 highest load days per year and plotted the peak hour load versus peak hour wind generation. The conclusion was that there is no correlation when 2009 through 2012 data were analyzed. The lack of correlation signifies that the new MARS feature that generates random wind shape should be explored for the upcoming study year.

Mr. Younger mentioned that it would be important for us to not just look at the peak load of the day only, but rather, the hours after the peak and capture the wind generation drop off and its relationship with the drop off in load. In response

to Mr. Younger's request, Mr. Adams added charts for two highest load days from each year from 2009 - 2012. Mr. Younger recommended that the NYISO look at each hour of the peak load day, and subtract the wind generation on each of those hours. This would represent the impact of wind on load.

Mr. Ahmed cautioned against modeling the "net load" since if the wind resources were not available, the load would still have been counted the wind in its net, thus making this assumption a bit too conservative. He also asked if the shape being considered is from simulated or actual data. Mr. Drake and Mr. Adams both said that this is moving to the actual wind data, from previously simulated wind shape data.

Mr. Drake said that they are looking to obtain and utilize 2012 actual wind generator shapes on a zonal basis to input into MARS for random wind shape generation.

6. New Capacity Zone Locational Capacity Requirement

Chairman Boyle wanted to reconfirm the methodology used to determine the indicative LCR. Mr. Drake stated that the NYISO will lock both zones J and K at the minimum capacity level, and determine the capacity to load percentage for zones G-K for the minimum capacity requirement.

Mr. Chao stated that this methodology fits within the previously established Policy 5 requirement to determine zones J and K capacity requirement, at the same time satisfy the transmission constraint need of a new zone establishment.

Mr. Fishman asked if a generator from zones G-I submitted its intent to retire, it can't retire because the zones are already at the minimum requirement capacity level. Mr. Chao said that LHV can still satisfy the capacity requirement by purchasing capacity in zones J and/or K. Mr. Fishman cautioned that we can't separate the reliability from the market aspects because in Danskammer retirement case, zone K all of a sudden needs to purchase 105%. Mr. Chao kept the option open to revisit the methodology in the future.

Secretary: Gregory Chu

(Con Edison)

Next meetings:

Meeting 145, Tuesday, February 26th at NYISO HQ

Meeting 146, Wednesday, April 3rd at NYISO HQ

Meeting 147, Wednesday, May 1st at NYISO HQ

Meeting 148, Wednesday, June 5th at NYISO HQ

Meeting 149, Wednesday, June 26th at NYISO HQ

Meeting 150, Tuesday, July 30th at NYISO HQ

Meeting 151, Wednesday, September 4th at NYISO HQ

Meeting 152, Wednesday, October 2nd at NYISO HQ

Meeting 153, Tuesday, October 29th at NYISO HQ

Meeting 154, Monday, December 2nd at NYISO HQ
