

NYSRC Installed Capacity Subcommittee

Meeting #163

September 3rd, 2014

10:00 a.m. – 3:00 p.m.

Meeting Minutes

Attendees

	Present	Tel
Members / Alternates:		
Mr. Yuri Fishman (PSEG-LI)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Rich Wright (CHG&E)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Gregory Chu (Con Edison), ICS Vice Chair/Secretary	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Sanderson Chery (Con Edison)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Richard Brophy (NYSEG-RGE)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Syed Ahmed (National Grid)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Robert Boyle (NYPA)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Shaun Johnson (NRG)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Mark Younger (Hudson Energy Economics, LLC.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Advisers/Non-member Participants:		
Ms. Erin Hogan (NYSERDA), ICS Chair	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Howard Tarler (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Dana Walters (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Greg Drake (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dr. Kai Jiang (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Richard Quimby (NYPSC)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Ed Schrom (NYPSC)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Nicholas Occhionero (NYPSC)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Al Adamson (Consultant)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. John Adams (Consultant)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Scott Leuthauser (Consultant for H.Q. Services)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Mark Walling (GE)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Mr. Jim Scheiderich (Energy Curtailment Specialist).....
Mr. Alan Ackerman (Customized Energy Solutions).....

Guests Present:

1. Action 160-9 – Hydro derate

Greg Drake (NYISO) has asked Former Chair Bob Boyle (NYPA) for assistance on providing data that will be necessary to determine a more up-to-date derate to apply to hydro units. Mr. Boyle questioned the need for NYPA to provide information that the NYISO can obtain through GADS data. Mr. Drake said a lack of historical data is the reason of their request. Chair Erin Hogan (DOS) has asked the NYISO to go back and check how many years of GADS data is currently available prior to asking NYPA for data. **(AI 163-1)**

2. PJM Demand Resources

Syed Ahmed (National Grid) said that we would need to see the NYISO PJM demand resource sensitivity results in conjunction with the parametric study result BEFORE we can approve the parametric table.

Al Adamson (NYSRC – Consultant) commented that, as a request for historical PJM LOLE data from Mr. Ahmed, 2013 PJM LOLE was higher at 0.4, but in 2014 it was lowered, and now it is higher again this year.

The NYISO provided the sensitivity results from 2 different cases that include: 1. Adjusting PJM LOLE to 0.15 from 0.88 by applying some PJM demand resources and 2. Adjusting PJM LOLE to 0.1 from 0.88 by applying some more PJM demand resources.

Mr. Adamson asked the basis for the demand resource allocation per MARS area. Mr. Drake replied that it is based on the published ratio for the total 15,497

MW of PJM DR, spread appropriately amongst the 4 PJM sub-regions in the model.

Mark Younger (Hudson Energy Economics) asked if the NYISO know how often these MWs were called. Dr. Kai Jiang (NYISO) stated that since we were not allowed to model PJM EOP, there is no “number of calls” since they are used in the model directly as MWs. This is also reasonable since in this case, only 50% of the 15,497 was needed to bring PJM LOLE down to a reasonable level, the number of call is not as significant. If one source does not respond to the call, they can always call another source since so much is available. Furthermore, the lead time to employ these MW is only 1 or 2 hours ahead just like a normal generator, treating these demand resources as regular MWs is reasonable.

Mr. Adamson asked if we are assuming 100% availability of PJM demand response. Dr. Jiang said yes. Mr. Drake said that PJM does not treat the demand resources as Emergency Operating Procedure, and PJM actually has over 30,000 MW as demand resource. Since only 15,000+ MW cleared their capacity market, those should be the MWs we would consider.

Mr. Boyle said that we should include these 15,000 MW in the model, Mr. Ahmed also agreed.

Rick Brophy (NYSEG) asked if we used only MWs that have cleared the market in our territory and the NYISO said yes. Mr. Younger said that MWs that don't clear the capacity market are not obligated to respond in time of need and therefore should not be relied upon.

John Adams (NYSRC – Consultant) disagreed with the NYISO in their statement about PJM not treating the demand resources as EOP MWs. He pointed out that in their manual those MWs are considered EOP and thus should not be included in the model. Mr. Adamson agreed with Mr. Adams about PJM demand resource classification. Dana Walters (NYISO) said that the NYISO isn't saying that MWs are NOT EOPs, but rather they are not “demand responses”. They are treated as resources and thus they called it “demand resources”.

The NYISO agreed that that only cleared MWs should be considered, and Dr. Jiang said that they are using the most updated information from PJM.

Mr. Boyle recommended that we should perform tangent 45 on the 0.15 PJM LOLE sensitivity case.

Mr. Younger felt that the NYISO should model PJM demand resources as EOP as Mr. Adams pointed out that out of the 3 demand resource classes, "Limited" can only be called 10 times per season.

Yuri Fishman (PSEG-LI) recommended that "Limited" MWs should be modeled as EOP in the model, and "Extended" and "Annual" MWs should be modeled as load modifiers. Mr. Drake said 5585 MWs belong to Extended and Annual classes. He also said that the NYISO will try to complete 2 different sensitivities that were suggested by the members by Monday, September 8th. The 2 cases are: 1. Limited MW as EOP, Extended+Annual MW in load modifier. Adjust LOLE back to 0.15 if below 0.1 2. Only model Extended+Annual. Adjust LOLE back to 0.1 if below 0.1 **(AI 163-1)**

3. IRM Study – Parametric Table

Chair Hogan asked the members for approval on the parametric table results. Due to the linger issue of proper PJM demand resource modeling, transmission owners all abstained, while Mr. Younger moved to approve the parametric table. While the transmission owners agreed that the parametric study was performed accurately in accordance with Policy 5, the members do not agree with the IRM and LCR results because demand resource modeling would change the parametric results. Vice Chair Gregory Chu (Con Edison) abstained as he felt that the group should wait for the result of the 2 new sensitivity runs before determining what to present to the Executive Committee (EC). Mr. Fishman further questioned the results due to a lack of 1 to 1 ratio between IRM and LCR seen in the parametric table. With 1 vote yes and the rest of the votes being abstain, the parametric table will be presented to the EC.

4. Preliminary tangent 45 Results

Transmission owners also abstained on tangent 45 results due to the same concern on the parametric table results. Mr. Younger again voted yes and the tangent 45 curve will be presented to the EC.

5. Normalized Parametric Results – Table 1

Transmission owners again abstained and Mr. Younger's single vote determined that the table will be sent to the EC.

6. Sensitivity Cases

The list of the sensitivity cases has been approved by the EC.

Dr. Jiang addressed a concern about how to implement case 7, using only 2002 shape without multiple load shape feature. He said that the NYISO can accomplish this by assigning 2002 load shape to all 7 bins.

Mr. Boyle also suggested that case 11 should include 4 and 6 hour obligations, and state that this will be an 8760-hour case run.

7. GE Findings

Mr. Drake said that during GE's preliminary review of the base case, they found that the base case contained a lot more interface transfer limits for future years. Mr. Drake stated that the NYISO will remove the information from the base case to avoid confusion.

8. Final Assumption Matrix

Mr. Adamson reminded the NYISO that the final assumption matrix will be due at the next meeting. **(AI 163-3)**

Secretary: Gregory Chu

(Con Edison)

Next meetings:

Meeting 164, Wednesday, October 1st at NYISO HQ

Meeting 165, Tuesday, October 28th at NYISO HQ

Meeting 166, Monday, December 1st at NYISO HQ
