

NYSRC Installed Capacity Subcommittee

Meeting #173

July 1st, 2015

10:00 a.m. – 2:00 p.m.

Meeting Minutes

Attendees

	Present	Tel
Members / Alternates:		
Ms. Khatune Zannat (PSEG-LI)	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" type="checkbox"/>
Mr. Mark Younger (Hudson Energy Economics, LLC.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Bob Boyle (NYPA)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Advisers/Non-member Participants:		
Ms. Erin Hogan (DOS), ICS Chair	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Greg Drake (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Frank Ciani (NYISO).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Kate Berger (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dr. Kai Jiang (NYISO).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. Bill Lamanna (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ms. Vijay Ganugula (NYISO)	<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"/>
Ms. Kelli Joseph (NRG)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mr. James Scheiderich (ECS).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Guests Present:

Mr. Alan Ackerman (CES).....
Mr. James D’Andrea (TransCanada)

1. SCR Enrollment and Final Model Input Values

Kate Berger (NYISO) presented on the final SCR enrollment numbers from July 2015. The total amount of SCR enrolled is 1253.9, and the NYISO is recommending keeping the translation factor and fatigue factor the same as last year’s (0.9 and 1.0 respectively). The NYISO is recommending a change from 0.95 to 0.85 in the Effective Capacity Value.

Former Chair Bob Boyle (NYPA) stated that he was not in agreement with the 0.85 ECV since it was from a single test measurement. Ms. Berger explained that typically SCR performs better during the test and thus a derate may be warranted. Mr. Boyle disagreed since last year’s test data were consistent with the previous year’s test data and there’s no evidence that a derate is needed. Vijay Ganugula (NYISO) said that previously test results versus actual has been better than actual data collected.

Mr. Boyle stated that the NYISO did not provide any conclusive evidence that actual performance would be less than the test results for the 2015 time period since there were no actual event/calls. We simply do not know if SCRs would perform worse if a call extends past 4 hours. Mark Younger (Hudson Energy Economics) also was not confident in using 1 hour test results to determine actual future performance. He did, however, recommend another factor to adjust test bias when compared with actual performance.

Vice Chair Gregory Chu (Con Edison) said that we need to think back about the definition of ECV, which is supposed to be a measure of performance degradation for a call that’s past 4 hours. The 1 hour test, Mr. Chu argued, does not tell us if SCR would perform worse when the call is longer than 4 hours. In fact, we may see better performance because we simply don’t know without actual data. In absence of additional evidence telling us we need a derate, we should base our model assumptions based on actual past data, which the NYISO

determined was 0.95. No overall consensus was reached at the meeting, as Syed Ahmed (National Grid) and Rick Brophy (NYSEG) will need to consider the NYISO recommendation and consider the repercussion of the ECV derates. Jim D'Andrea (TransCanada) asked if perhaps the group is digging too deep into the derate value and we should instead consider if the overall value is reasonable to use in the model instead. Some members did not object to the overall value, but due to a lack of agreement on ECV value that is used to determine the overall value, the issue was not entirely resolved and will be presented to the Executive Committee for their guidance.

2. Environmental Initiatives

Peter Carney (NYISO) presented the environmental regulation that may impact the 2016 IRM model.

Mr. Younger asked about the 5300 MW potentially can be affected by NOx RACT. Mr. Carney said all of those capacity, modeled in 3 bubbles, will not be at operational limit. 2 out of 3 bubbles can have units run 24 hours, the 3rd bubble may have constraints but the amount of capacity in that bubble is more than sufficient to not impact the system. The NYISO is confident that units will be operated in a way to avoid reaching the limit. Through some discussions on unit operation based on emission limits, Mr. D'Andrea mentioned that GT units (Ravenswood, in his example) may be limited operational due to other steam units being offline. This is not accounted for in the model thus far and thus we would need GE to look at this function within the model in addition to emission related operational limitations. **(AI 173-1)** Henry Chao (NYISO) suggested that we can wait and see how GTs will be affected through this summer's actual data.

3. Outside World EOPs/PJM Model

John Adams (NYSRC - Consultant) said that the paper has changed because the NYISO identified that we are already modeling the entire PJM RTO, versus just PJM Mid-Atlantic regions. The working group also renamed "outside world" into

“external” areas. The main reason we saw a high LOLE from last year’s model was due to PJM relying on their demand resources to meet reserves, which we did not include originally. The study concluded that we should continue to not model EOPs for external areas. Mr. Adams said that they have pre-emergency and emergency DRs. He said the majority were pre-emergency and there are more than enough for PJM to reach their reserve requirements. The study suggests that we continue the modeling of DR in PJM. ICS members agreed.

On the PJM topology issue, NPCC CP-8 model showed a 5 bubble topology, versus the 4 bubble topology that ICS has been using. Greg Drake (NYISO) said that the NYISO attended the CP-8 meeting and the PJM representative weren’t able to provide convincing reasoning for the topology change. The NYISO is very concerned with the 5 bubble configuration and is not comfortable with using the new configuration without additional information. He said that the NYISO is planning to meet with PJM to resolve this issue. The NYISO is recommending using the 4 bubble configuration until the issue can be resolved. Mr. Ahmed wondered why we would not be using PJM’s 5 bubble model. Mr. Drake said that there’s an additional 1500 MW transfer capability that’s unexplained and currently can’t be accounted for. Also, the NYISO was not comfortable with PJM’s load forecast, which is 5000 MW lower. Mr. Ahmed asked if we are supposed to use CP-8’s load forecast. Mr. Drake said we do, but we can make adjustments if necessary. He also said that on separate publications PJM had different load forecast value. Vice Chair Chu wondered what we would use for PJM load forecast if we do not want to use their load forecast. Mr. Drake said he does not know at this time until the NYISO and PJM meet. He said the fallback position would be to use the load shape PJM gave us and determine the peak directly from the shape.

Mr. Adams said that it is really important for us to understand the 5 bubble configuration before we adopt it. Frank Ciani (NYISO) said that PJM would go back and confirm the configuration and transfer limits.

Khatune Zannat (PSEG- LI) wondered if we can wait until PJM and NYISO meet and resolve the issue before we approve. Chair Erin Hogan (DOS) said we cannot wait because of the study schedule. Since this is a preliminary base case,

if the issues can be resolved, the new PJM configuration can be incorporated in the final base case if needed.

ICS approved 4 bubble PJM model to be used for the 2016 IRM model.

4. Final IRM Topology

Bill Lamanna (NYISO) and Mr. Drake said that nomograms for zone A will be simplified to 3 ratings only. Mr. Lamanna said there are additional changes to the topology. Dr. Jiang Kai said that Dunkirk units will not be in the 2016 model and the 3 nomogram set up will be retained. Mr. Lamanna will need to modify the presentation to reflect no Dunkirk units. Chair Hogan would like the final topology to be posted on the web in meeting materials.

5. Load Shape Methodology/Load Forecast Uncertainty

Arthur Maniaci (NYISO) first said that PSEG-LI didn't have any changes for LFU so the finalized LFU for all regions will be the same as last year's values.

ICS approved LFU numbers and the load shapes to be used this year ('02, '06, and '07).

Mr. Maniaci requested a postponement of the load shape adjustment methodology discussion, which ICS members agreed to revisit at the next month's meeting.

6. New Solar/Wind Units

ICS members do not have any updated information on new units.

7. External Capacity Sales

Mr. Drake said there was no update.

8. 2016-17 Assumption Matrix

Mr. Drake went through the assumption matrix item by item (ver 3a).

Mr. Adams will get summer and planned maintenance data from the NYISO and can make a determination very quickly. He recommended that for planned outages we should just accept the information given by the generators.

For wind units who may be awarded CRIS rights, Mr. Drake did not know when those will be awarded. He recommended that we do not model these wind units for this year's model. Chair Hogan suggested that we leave these units out of the preliminary base case until we have additional information in the fall.

Mr. Drake has not determined the small hydro derate at the time of meeting. Scott Leuthauser (HQUS) remembered that the NYISO has looked back in the past and came back with the same derate. The NYISO will go back and share the findings.

Mr. Drake was concerned about the extra 20 MW CRIS that could be awarded to HQ. The modeling of this increase amount of MW would change the external emergency assistance significantly and could increase the IRM. The NYISO is recommending that we do not model this increase until it is certain. Mr. Leuthauser and Mr. Younger believe the line will be awarded the CRIS rights. After a lengthy discussion about model impact and tariff implications, Chair Hogan recommended that we can include 20 MW in the preliminary base case, and change for the final base case if necessary.

Forward capacity sale to New England would probably not return to New York as it had been in the past, due to higher New England prices. 800 to 1000 MW in the past capacity has come back into New York. 446 MW (286.6 from assumption matrix included) were sold in June. Chair Hogan was not comfortable with a single data point and using that to determine future behaviors. The

members felt we should meet at a separate meeting to determine the exact amount of FCM sales to model when July values are available.

PSEG-LI will provide cable transition rates to the NYISO by next week **(AI)**

Mr. Drake said that PJM DR amounts will be determined when the NYISO meet with PJM.

Mr. Boyle would like to see LHV zonal EFORds. Mr. Drake will look into the possibility of providing G-I EFORds.

A separate conference call will be set up on July 6th Monday at 1:30pm to address any missing information on the assumption matrix.

9. Policy 5-9 Final Draft

Mr. Adams said that the version circulated was missing some language updates from the previous meeting. The updated version was sent out at the meeting.

Mr. Dana wanted to modify the language for white paper in section 3.5 so that a white paper MAY be needed for modeling enhancement.

A lengthy discussion about the language to adjust external areas based on their reserve margin and LOLE status took place. Language was finally agreed upon at the end.

ICS has approved the changes in Policy 5.

Secretary: Gregory Chu

(Con Edison)

Next meetings:

NYSRC Installed Capacity Subcommittee
Meeting Minutes for ICS meeting #173– 20150701 Rev0

Meeting 174, Wednesday, August 5th at NYISO HQ
Meeting 175, Wednesday, September 2nd at NYISO HQ
Meeting 176, Tuesday, September 29th at NYISO HQ
Meeting 177, Tuesday, October 27th at NYISO HQ
Meeting 178, Monday, November 30th at NYISO HQ
