

**Draft Minutes**  
**New York State Reliability Council**  
**Installed Capacity Subcommittee**  
**Meeting #185 – June 29, 2016**  
**NYISO Corporate Center, Rensselaer NY**

**Attendees**

**Present    Phone**

**Members / Alternates:**

Rich Wright (CHG&E) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Dmitriy Kiselev (Con Edison).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Howard Kosel (Con Edison) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sanderson Chery (Con Edison) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Khatune Zannat (PSEG LI).....	<input type="checkbox"/>	<input type="checkbox"/>
Mariann Wilczek(PSEG LI), <b>ICS Vice Chair/Secretary</b> .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lubaba Islam (PSEG LI) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Syed Ahmed (National Grid).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Bart Franey (National Grid) .....	<input type="checkbox"/>	<input type="checkbox"/>
Richard Brophy (NYSEG-RGE) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
John Tigue (NYSEG-RGE) .....	<input type="checkbox"/>	<input type="checkbox"/>
Bob Boyle (NYPA), <b>ICS Chair</b> .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mark Younger (Hudson Energy Economics, LLC – Wholesale Sellers) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mark Cordeiro (PLM, Inc – Municipals & Electric Coops) .....	<input type="checkbox"/>	<input type="checkbox"/>
Mike Mager (Couch White – Large Consumers) .....	<input type="checkbox"/>	<input type="checkbox"/>

**Advisers/Non-member Participants:**

Al Adamson (Consultant) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
John Adams (Consultant) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ricardo Galarza (PSM Consulting) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Scott Leuthauser (HQUS).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Kelli Joseph (NRG).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ed Schrom (NYDPS) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alan Ackerman (CES).....	<input type="checkbox"/>	<input type="checkbox"/>
Richard Gell (Ontario Power Generation) .....	<input type="checkbox"/>	<input type="checkbox"/>
Matt Schwall (IPPNY) .....	<input type="checkbox"/>	<input type="checkbox"/>
Greg Drake (NYISO).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Frank Ciani (NYISO) .....	<input type="checkbox"/>	<input type="checkbox"/>
Dana Walters (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Josh Boles (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Steve Lemme (NYISO) .....	<input type="checkbox"/>	<input type="checkbox"/>
Laura Popa (NYISO) .....	<input type="checkbox"/>	<input type="checkbox"/>
Kai Jiang (NYISO).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vijay Ganugula (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Carl Patka (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>
Brian Hodgdon (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wes Yeomans (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Henry Chao (NYISO) .....	<input type="checkbox"/>	<input type="checkbox"/>
David Allen (NYISO).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Jesse Mills (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nick Whitney (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>
Ryan Carlson (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bill Lamanna (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>
Stephanie King (NYISO) .....	<input type="checkbox"/>	<input type="checkbox"/>

### **1. Introduction and Request for Additional Agenda Items**

Chairman Boyle called the NYSRC Installed Capacity Subcommittee meeting to order at 10:00 a.m. on June 29, 2016. There were no requests for additional items. Chairman Boyle had two items to note. The first was that he was working with GE to schedule a two day introductory MARS class in August offered at GE in Schenectady. The second item was to remind ICS members and alternates to fill out and return the code of conduct form that was distributed.

### **2. Approval of Minutes for Meeting #184**

The meeting minutes were finalized with an edit made for clarification in Section 6.2.1 proposed by Mr. Drake.

### **3. Review of Action Items List**

Chairman Boyle did not review the action item list as he noted the items were listed as separate agenda items that will be covered in the meeting. Mr. Drake asked for the completed items to be removed from the list, however, Chairman Boyle preferred to keep all of the history on the list.

### **4. Status of Studies and White Papers for 2017 IRM Study**

#### **4.1. Emergency Assistance Model: Draft White Paper**

Mr. Yeomans provided an overview of the draft white paper. An assessment was performed on the amount of resources that were available from the four neighboring control areas to the NYISO for peak load conditions over the past three years (top five peak days for each year). The average of these fifteen data points is 2,970 MW. He noted that Operations is recommending an Emergency Assistance limit of 2,620 MW which is the total operational reserves requirement. The NYISO performed three separate analyses to assess the impact on IRM. ICS members had a variety of questions as well as suggestions for further analysis. Mr. Yeomans noted the next steps. He asked for additional comments from the ICS. He proposed the evaluation be a sensitivity case as part of the 2017 IRM report using the 2017 IRM Base Case along with a full Tan 45 approach. Chairman Boyle indicated this topic would again be on the agenda for the August 3<sup>rd</sup> ICS meeting. Both Mr. Adamson and Mr. Younger indicated that there was no

need for the NYISO to revise the report based on the comments today. Mr. Adamson additionally noted that comments could be provided separately to the NYISO and the sensitivity could be defined at the next ICS meeting. Mr. Younger asked that the NYISO fill in the one table in the report that does not have data in it (Table 4) **AI 185-3**. Mr. Younger also asked the NYISO to ask GE if it were possible to enforce certain flows on lines such as the one from Zone G to ISO-NE. **AI 185-4**. Chairman Boyle asked for a deadline of July 27<sup>th</sup> for comments to the NYISO on the draft white paper.

#### **4.2. Policy 5 revision**

##### **4.2.1. Option 1:Appendix C(Deactivation/Outage Guidelines)**

##### **4.2.2. Option 2:Body Reference to Deactivation/Outage Procedures w/o Appendix C)**

Chairman Boyle led a discussion on where the generator deactivation/outage guidelines that the NYISO was revising should be located. One option was for it to be left within Policy 5 as Appendix C. He noted that the EC would like the guidelines to be maintained but did not specify where. NYPA, NYSEG, PSEGLI, Mr. Younger, as well as the NYISO, opined that the guidelines should remain as part of Appendix C. Messrs. Adams, Adamson and Ahmed (National Grid) preferred to have the guideline in the study guide that Mr. Adams is still in the process of developing.

Mr. Younger provided a clarification to footnote 2 in Section 3.5.2 which the NYISO accepted. Mr. Hodgdon reviewed Appendix C and the accompanying flowchart. Chairman Boyle asked the NYISO to modify the title on Appendix C to read NYISO Generator Inclusion Guidelines. Mr. Walters expressed concerns over changing the title as this is a NYISO recommendation for the ICS application of the definitions provided for in the NYISO tariff. He noted that the ICS does not have to accept the recommendations. Chairman Boyle agreed to leave the Appendix C title as Generator Inclusion Guidelines.

Mr. Boyle will request EC to approve proposed Policy 5 revisions, including selection of one of the above Appendix C options.

#### **4.3. Transmission Topology – ICS Approval**

Mr. Walters noted that Attachment E of the 2017 IRM Study Assumptions Matrix contained the updated topology as a result of the PJM-Con Edison wheel cancellation. He indicated this is still subject to change over time as discussions amongst the parties were still taking place and new contractual agreements

could be made in the future. The topology the NYISO provided was based on the best current information available.

Chairman Boyle asked the NYISO to provide an overview of the document titled “PJM-ConEd Wheel Cancellation Modeling Assumption” which was prepared at the request of the EC. Mr. Kosel provided several points of disagreements with the assumptions and topology. He will provide this in writing to be distributed to the ICS after the meeting. (Note – this was distributed to the ICS on July 6<sup>th</sup>). Mr. Kosel noted in the interest of time for the 2017 IRM study, along with a lack of clear operating protocols, Con Edison agrees that this topology can be used for the 2017 IRM study. He asked for an item to be added to the Action Item list for review of the transmission topology in advance of the 2018 IRM study when more clarity regarding the PAR controlled lines is gained. Mr. Walters agreed that by the 2018 IRM the NYISO will have a study analysis and potentially new contract information and it will be open for review for the next IRM. **(AI#185-1)**

The ICS approved the topology shown in the assumptions matrix as acceptable to use in the 2017 IRM study.

#### **4.4. SCR Model Value Calculation Change**

The document was provided but previously approved by the ICS. Chairman Boyle asked the NYISO to provide the performance values that will be applied. Mr. Ganugula indicated the performance factor values will not be changing as the data can only go back to 2012. These were included in the May 5<sup>th</sup> presentation made to the ICS. He also indicated that the ICAP changes are not available yet. The July 2016 values will be available, at the earliest, on July 15<sup>th</sup>. Mr. Younger asked for the final values to be made available in advance of the August 3<sup>rd</sup> ICS meeting.

#### **4.5. Approved Final PJM Model and Multiple Wind Shape Papers**

The document was provided but previously approved by the ICS. No further discussion ensued.

### **5. 2017 IRM Study Assumptions Matrix – ICS Approval of Preliminary Base Case Assumptions**

Mr. Drake noted that a column was added for IRM impact. The column notes a + (increase) or - (decrease) along with a low (<0.5%), medium (0.5%-1%) or high (>1%) potential impact. A few minor suggestions were made for clarification. Mr. Adamson suggested that a clean version of the matrix be distributed to the EC highlighting which data will be provided at a later date.

The ICS approved the assumptions matrix. Chairman Boyle will present it to the EC.

## **6. Review of Parametric Study Scope & Schedule**

Mr. Adamson indicated that the goal is to have the study done by August 3<sup>rd</sup> and the Tan 45 completed by August 15<sup>th</sup>. Mr. Drake noted that the NYISO would commit to having the Tan 45 complete by August 15<sup>th</sup>. Chairman Boyle asked the NYISO to display the parametric study and results from last year. Mr. Adamson noted that it was very confusing last year with the ISO staff presenting two sets of results, one set comprised of parameters having negligible IRM changes; and asked that this year all parametric case results put under one list. Chairman Boyle asked the NYISO to create a schedule base on the tasks for the next ICS meeting. Suggestions were made by the ICS members. Mr. Drake will put together a suggested parametric case list as well as the order, and will distribute to the ICS, including initial parametric study results. (AI#185-2) Chairman Boyle noted that there is a teleconference scheduled for August 15<sup>th</sup> to review and approve the parametric study results and the Tan 45 analysis for a preliminary base case IRM.

## **7. Status Reports:**

### **7.1. External Control Area MOUs**

There was no change to the status from the previous meeting.

### **7.2. Status of Alternative Methodologies for Determining LCRs**

There was no change to the status from the previous meeting.

## **8. Additional Agenda Items**

Mr. Adamson noted the ICS will approve the list of sensitivity cases at the next ICS meeting. He noted that ICS members should come to the meeting with a list or mail them in to the NYISO before the meeting.

Chairman Boyle asked Mr. Younger to provide a summary of the Forward Capacity Sales task force that had met earlier that day. He outlined two options being considered. The first is to remove the resource that sold into a neighboring external control area and derate the interface. The second option is to model the resource as being in the model and represent a contract flow across all internal interfaces to

the external control area. Mr. Younger noted that there have been proposals on how to treat Roseton in other NYISO meetings and the treatment should be consistent. He noted that the Roseton sale was for 2018 and not relevant for this year's IRM base case.

*Secretary: Mariann Wilczek (PSEG LI)*

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Upcoming meetings:

Meeting 186, Wednesday, August 3<sup>rd</sup> at NYISO Corporate Center

Teleconference, Monday, August 15<sup>th</sup>

Meeting 187, Tuesday, August 30<sup>th</sup> at NYISO Corporate Center

Meeting 188, Wednesday, October 5<sup>th</sup> at NYISO Corporate Center

Meeting 189, Wednesday, November 2<sup>nd</sup> at NYISO Corporate Center

Meeting 190, Monday, November 28<sup>th</sup> at NYISO Corporate Center