

**Draft Minutes**  
**New York State Reliability Council**  
**Installed Capacity Subcommittee**  
**Meeting #186 – August 3, 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 type="checkbox"/>	<input checked="" type="checkbox"/>
Howard Kosel (Con Edison) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sanderson Chery (Con Edison) .....	<input type="checkbox"/>	<input 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 type="checkbox"/>
Bart Franey (National Grid) .....	<input type="checkbox"/>	<input type="checkbox"/>
Ben Caron (National Grid) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Richard Brophy (NYSEG-RGE) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
John Tigue (NYSEG-RGE) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Bob Boyle (NYPA), <b>ICS Chair</b> .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tim Lundin (NYPA) .....	<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 checked="" type="checkbox"/>	<input type="checkbox"/>

Ricardo Galarza (PSM Consulting) .....	<input type="checkbox"/>	.....	<input checked="" type="checkbox"/>
Scott Leuthauser (HQUS).....	<input 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"/>
Gary Will (FERC).....	<input checked="" type="checkbox"/>	.....	<input type="checkbox"/>
Alan Ackerman (CES).....	<input type="checkbox"/>	.....	<input checked="" type="checkbox"/>
Richard Gell (Ontario Power Generation) .....	<input type="checkbox"/>	.....	<input checked="" 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 checked="" 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 checked="" type="checkbox"/>	.....	<input type="checkbox"/>
Kai Jiang (NYISO).....	<input checked="" type="checkbox"/>	.....	<input type="checkbox"/>
Zachary Stines (NYISO).....	<input checked="" type="checkbox"/>	.....	<input type="checkbox"/>
Carl Patka (NYISO).....	<input checked="" type="checkbox"/>	.....	<input type="checkbox"/>
Brian Hodgdon (NYISO) .....	<input checked="" type="checkbox"/>	.....	<input type="checkbox"/>
Wes Yeomans (NYISO) .....	<input type="checkbox"/>	.....	<input type="checkbox"/>
Henry Chao (NYISO) .....	<input checked="" type="checkbox"/>	.....	<input type="checkbox"/>
David Allen (NYISO).....	<input checked="" type="checkbox"/>	.....	<input type="checkbox"/>
Maggie Shober (Navigant).....	<input type="checkbox"/>	.....	<input checked="" type="checkbox"/>

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

Chairman Boyle called the NYSRC Installed Capacity Subcommittee meeting to order at 10:05 a.m. on August 3, 2016.

## **2. Approval of Minutes for Meeting #185**

The meeting minutes were approved with clarifying comments from Mark Younger and Al Adamson incorporated prior to the meeting.

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

Chairman Boyle did not review the action item list as they are listed as separate agenda items that will be covered as part of the meeting. Mr. Drake did comment on AI#185-4. He noted that flows can be forced to balance on two lines but there is no current way to do that on three lines.

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

### **4.1. Emergency Assistance(EA) Model: NYISO White Paper**

Chairman Boyle noted that several ICS members provided comments on the NYISO's EA draft white paper. The NYISO indicated they were not prepared to respond to them at this meeting. Mr. Drake indicated they would review the comments and will work through them over the next few months. The ICS members continued discussing the comments made in the papers. (AI#186-1)

#### **4.1.1. Overview of Comment Papers - Major Issues Addressed in Comment Papers:**

- 1. NYISO recommended EA limit – support for 2620 MW**
- 2. Historical external CA excess 10-minute reserves – basis for alternate EA limit model – relevant historical data**
- 3. Indirect EA issues**
- 4. LCR impacts of modeling 2620 MW EA limit**
- 5. Distribution of external CA EA flows into NYCA**
- 6. IRM impact of cancellation of PSEG/CE wheel**

#### **4.1.2. Other Comments**

#### **4.1.3. EA Sensitivity Case**

Mr. Younger noted that two of the three years(5 peak days each year) that the NYISO had used in their analysis for an average of 2700 MW of historical external control area were quite mild. Mr. Younger suggested using more data on days when the system was under stress with a comparison of peak to the forecasted peak. Mr. Boles responded that he would be able to look at more data.

There was significant discussion from the ICS members on the indirect emergency assistance. Several members felt that it was necessary to have more detail on the indirect assistance and offered suggestions on how to determine the amount. After much discussion it was recommended that GE be available at the next ICS meeting for discussion. **(AI#186-2)**.

#### **4.2. 2015 Summer Maintenance Analysis**

Mr. Adams provided an overview of the analysis he performed on data provided by the NYISO for the amount of generation on daily maintenance during summer peak loads greater than 28,000 MW. Mr. Adams recommended maintaining the summer maintenance value at 50 MW with it to be split for 25 MW in Zone J and 25 MW in Zone K. The ICS members approved the recommendation.

#### **4.3. Policy 5 revision**

Chairman Boyle noted the changes recommended by the EC for generator retirement guidelines. The EC did not feel that Appendix C was necessary as part of Policy 5. Chairman Boyle, Mr. Adamson and NYRSC Counsel Paul Gioia revised language under the Generating Units paragraph in Section 3.5.2 “NYCA Capacity Model” to reflect that. Mr. Hodgdon made a further suggestion to the language. A second proposed change to Policy 5 was in Section 3.6 Sensitivity Analysis under Special Sensitivity Case. Mr. Schrom expressed concerns over the schedule and the need for the NYDPS approval by the first week of December. The ICS approved the revisions.

#### **4.4. Parametric Study Results**

Mr. Drake discussed the results to date as well as the additional cases that still need to be run. Mr. Drake displayed the revised sheet listing the additional cases as well as the IRM results for NYCA, Zone J and Zone K that will be distributed after the meeting. Mr. Drake noted the high increase in NYCA IRM in the retirement case. Mr. Brophy asked in light of the state ZECs will this be reconsidered. Mr. Younger indicated the ICS has a rule in which the units are out but could be considered at a future date if the EC directs the ICS to look at it. Chairman Boyle noted that the ICS is having a teleconference on August 15<sup>th</sup>

to discuss the parametric results for the rest of the cases. Mr. Drake indicated they would be complete for the discussion. (AI#186-3)

**4.5. Proposed Sensitivity Studies**

Chairman Boyle noted that the proposed sensitivity list was put together by Mr. Adamson based on last year’s cases. Revisions and additions were made to the initial list with the final list below was approved by the ICS for study.

**Proposed 2017-18 IRM Study Sensitivity Cases**

<b>Case</b>	<b>Description</b>
1	NYCA isolated
2	No internal NYCA transmission constraints
3	No load forecast uncertainty
4	No wind capacity
5	No SCRs
6	New emergency assistance model under consideration (with Tan 45 at 2620 MW)
6a	Emergency assistance model under consideration using external 10-minute reserves with a possible Tan 45 optional
6b	Eliminate indirect emergency assistance on top of #6
7	Retire Indian Point Units 2 and 3, without replacing capacity
8	Forward Capacity Market MW leaving NY
9	Ginna and Fitzpatrick nuclear units remain in the model
10	New all in model – completely new shifting methodology
11	Alternate shift methodology shift using Zones A – I (instead of just A, C and D)

**5. 2017 IRM Study Assumptions Matrix Update**

Mr. Drake reviewed the updated values for special case resources as well as clarifications made to the graphs and tables. Mr. Younger asked the NYISO to look at Attachment C “New York Annual Zonal EFORds – Weighted Values for Thermal and Large Hydro Units” to see if wind units could be included. He noted that may help with the reader of the report to understand why EFORds keep rising. Mr. Walters indicated they would need to look at the ability to integrate those values without compromising confidentiality. (AI#186-4)

**6. NYISO Supplemental Comments on Clean Energy Standard**

Mr. Patka noted that the NYISO was not prepared to make any additional comments for today's meeting than those that were made in the July 8<sup>th</sup> filing to PSC case 15-E-0302. Mr. Adamson indicated that this would be an agenda item for the EC meeting on August 8<sup>th</sup>. Mr. Younger added that the NYISO should be prepared to discuss the IRM value that was noted in the filing, if not today, then at the EC. Mr. Patka noted the concern and would take that back for further internal discussion.

## **7. Status Reports:**

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

Mr. Boles noted that there have been no meetings with all four parties. There have been several discussions with the IESO that has a deadline of September 1<sup>st</sup> for the MOU if the IESO is able to sell capacity for the Winter 2017/2018 capability period.

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

Mr. Younger inquired to the status since the NYISO has provided no updates since April. Mr. Boles indicated that the NYISO has brought in Navigant Consulting to act as the project manager and work with GE to bring presentations to the stakeholders over the next few months. Ms. Joseph noted concerns with an inconsistency in the way capacity is shifted in the sensitivity cases and the base case. Mr. Younger suggested a sensitivity in which the base case is redone using the alternative method where capacity is shifted from Zones J & K to Zones A-I proportionately based on the amount of UCAP in those zones and then perform the Tan 45 analysis. Mr. Walters indicated the NYISO would need to think about the implications of that methodology.

## **8. Additional Agenda Items**

Mr. Boles provided a brief update on the "Treatment of Capacity Locality Exports" that he had presented at the August 2<sup>nd</sup> ICAPWG meeting. Mr. Boles indicated that the Roseton generating station sold approximately 500 MW in the 2018 ISO-NE FCM. This is the first export out of a locality. He described a proposal that the MMU had made for treatment in the markets. The NYISO is still developing their proposal which is anticipated to be presented at an August ICAP WG meeting. Mr. Boles anticipates returning to the August 30<sup>th</sup> ICS meeting to describe the proposal (**AI#186-5**). Mr. Adamson noted that the only decision for the ICS is to include or not to include the Roseton capacity in the model and not the associated market value.

*Secretary: Mariann Wilczek (PSEG LI)*

---

Upcoming meetings:

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