

**Draft Minutes**

**New York State Reliability Council - Installed Capacity Subcommittee (ICS)  
Meeting #268 – November 2nd, 2022  
Microsoft Teams**

**Attendees** **Present**   **Phone**

**Members / Alternates:**

Noor Leghari (NYSEG/RG&E) <b>ICS Vice Chair / Secretary</b> .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rich Bolbrock (Unaffiliated) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Clay Burns (National Grid).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ruby Chan (CHG&E).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sanderson Chery (Con Edison).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
John Cordi (NYPA) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ayman Elkasrawy (NYSEG/RG&E) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Jim Kane (NYPA) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Howard Kosel (Con Edison).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mike Mager (MI) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chris Wentlent (MEUA).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rich Wright (CHG&E) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mark Younger (Hudson Economics) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Khatune Zannat (PSEG LI) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Advisers/Non-member Participants:**

John Adams (ICS Consultant) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
David Allen (NYISO).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Leen Almadani (CHG&E) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Andrea Calo (CES) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ryan Carlson (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Jie Chen (Potomac) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Adam Evans (DPS) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Grant Flagler (Con Ed Energy) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Kenneth Galarneau (Rise Light & Power) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ricardo Galarza (PSM Consulting) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ying Guo (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chris Hall (NYSERDA).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Karl Hofer (Con Edison).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Yvonne Huang (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chris LaRoe (Brookfield) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scott Leuthauser (HQUS) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Randy Monica Jr. (DPS) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Matthew Napoli (Con Ed Energy) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Otito Onwuzurike (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Julia Popova (NRG).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Christina Duong (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Kathleen O’Hare (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lucas Carr.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Benjamin Cohen.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Madeline Mohrman .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mikaela Lucas (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gabriel Centi (NYISO).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dylan Zhang (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hilme Athar.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**1. Roll Call – N. Leghari**

- Roll call was conducted.

**2. Introduction and Request for Additional Agenda Items - N. Leghari**

- No additional items.

**3. Approval of Minutes for Meeting #267 – N. Leghari**

- Approval of minutes of meetings #267 will be deferred till November 16<sup>th</sup>.

**4. Review of Action Items List – N. Leghari**

- Y. Huang – Error in the presentation should be corrected in the New Battery model.

**5. Chair update on recent EC actions - N. Leghari**

**5.1. Update Status on 2023 NYSRC Corporate Goals –N. Leghari**

- Y. Huang – Error in the presentation should be corrected in the New Battery model.

**5.2. Y49 Sensitivity Inclusion –N. Leghari / Y. Huang**

- Y. Huang – Sensitivity #10 modelling different outage rates for the Y49 cable that is expected to be replaced during the study period. Proposal to consider that as part of the IRM report “**Formal sensitivity Case**” and do a Tan45 study instead of the parametric based on the final base case (Action Item for NYISO). EC opened discussion on this item for ICS to decide. This ties into policy 5 review and Transmission facility outage modelling.

- M. Younger – Following our current process (5 years of historic data) gets average outage consistent with actual values. This aligns with policy 5 which requires 5 year average, so the proposal made by LIPA in the meeting deviates from policy 5. Mark believes it is inappropriate to include this sensitivity in the IRM study and understates the risk to the system.
- Y. Huang – Two action Items
  - 1- Review of policy 5 and whether changes are needed to reflect new or replaced facilities on Transmission System.
  - 2- Conduct sensitivity and how we treat this particular sensitivity and the results. Should this be part of official sensitivity deck listed on table 7-1 of the report.
- M. Mager – doesn't want this to be in the base case because of the policy.
- Discussion among the group for both positions (Against/For LIPA's proposal) {J. Cordi, M. Younger, M. Mager, Khatune Z., J. Boles, Richard, Y. Huang}
- Y. Huang – Summary of discussion.
  - 1- Tan45 will not constitute a special sensitivity for this round of IRM. Results of the Tan45 can be used for further discussion after this round. (Agreed after a vote)
  - 2- Inclusion of the parametric sensitivity in the IRM report (associated with an explanation paragraph to be reviewed by committee) with the purpose of initiating a review of policy 5.

## 6. FBC Parametric Results – L. Carr

- L. Carr – Discussed the results of 2023 IRM Study: Parametric Cases between the 2023 IRM PBC and the updated 2023 IRM FBC case.
- L. Carr – None of the items are 10-45.
- M. Younger – Clarification on rescinded retirement of Alleghany Co-gen.
- M. Younger, J. Boles – Expect final Tan45 result will be a higher IRM and lower LCR.
- M. Younger – Suggest the ISO would consider putting together an alternate table to the way he suggested.
 

Y. Huang – The table he is referring to is really aligned with the 6-1 in the report which summarizes major drivers of this year's changes from last year. During next EC meeting, the plan is to approve the final base case database. Tan45 could do a balancing between locality and IRM.
- M. Younger – Suggestion to have a call or a meeting to discuss Tan 45 results

### 6.1. L34P Outage Update – M. Lucas

- M. Lucas – In this year's IRM, L33 and L34 part has restored to the full 300 MW based on the NCPP database. L34 outage will end by June 2023. After the assumptions matrix has been approved by ICS meeting, new info that L34 will have outage until September 2023. After conducting a parametric study, LOLE increase by 0.0002, so no impact on IRM. So recommendation of no change to the study.

### 6.2. Site Sterling Retirement Update – L. Carr

- L. Carr – After the final base case assumptions matrix was approved, notification of rescinding retirement of Sterling unit (57.4 MW Thermal unit in Zone E). Sensitivity case was run to determine the impact to IRM and result was non-material. Recommendation to not include it in this year's final base case.

## 7. ICS approval of final 2023 IRM base case and Tan45 results

- Tan45 results approval will be deferred to a later meeting as they are not available at the moment.

### 7.1. Table 6-1 and 7-1 Review

## 8. First Draft of 2023 IRM Report Appendices – J. Adams

- J. Adams – Appendix C is fully updated. NO glossary terms need to be added. Looking to have a complete draft by the 16<sup>th</sup>. (Nov)
- M. Younger – Suggestion to have word documents of the latest version instead of PDF in order to review them.
- R. Bolbrock – Improving probabilistic modelling to determine the number of EOP calls. Reduced numbers from two years. (Y. Huang – The true impact is from the increased limit for Central East). This year, the numbers are in single digit. Yet, the high number of SCR calls in Winter signifies a problem. Violating Policy 5 by doing the ICS Modelling for the calendar year as opposed to the capability year.

## 9. Policy 5 redline changes review – J. Adams

- J. Adams – Go through the Draft Policy 5 updates and comments by Brian.
- Discussion on if the extra details are required or not in the NYCA model.

## 10. Proposed Resource Adequacy Model Improvement & Strategic Priorities – Y. Huang

- Y. Huang – Discussed the NYISO Resource Adequacy Model Draft Strategic Plan.
- A. Evans – Having load LFU issue at the end of the list and having it for 2024/25 is inappropriate. Not enough has been done. This has profound impact on the capacity values that resources are getting and the fact that capacity accreditation should be implemented in 2024 and that LFU issue should be addressed ahead of that date. He suggests that this issue moves up in priorities.
- Y. Huang – The current strategic plan is structured is to look at typical timelines for adopting new modelling change. 1 year of study + 1 year of implementation. It is possible for any modelling change to be implemented in a fast track manner given that the impact is well understood. Currently LFU is related to LFU phase 3 study that is being conducted right now. The expected timeline is by early next year to understand the impact before deciding plan for adoption.
- M. Younger – Will there be an update to earlier analysis based on new load shapes?
- L. Carr - The analysis was particular to certain loads 2002/6/7 – 2013/17/18 based on entirety of 10 years.
- M. Younger – If we develop a method for representing gas limitation in NY, can't we apply the same method to NE and catch on the ply whether they have resources available or not?
- Y. Huang – In theory, Yes, but in reality, external data received from NPCC study work does not have a good representation of their fleet or their system.
- Y. Huang – Distinguishment between Modelling improvement and policy consideration. Currently, all strategic plans and near term projects that NYISO has put together focuses on the modeling improvement aspect of the IRM Study. However, policy discussion should also be a priority in white papers.

**11. ICAP Manual Update for Intermittent Resources – K. O’Hare**

- K. O’Hare - currently the translation factors for intermittent resources follows five years of data. Proposing ICAP manual attachment N which will first come into effect 2025 IRM study cycle, one year lagging capacity accreditation.

**12. ICS Identification of Need for Special Sensitivity Cases**

- The only sensitivity in discussion is Y49.

**Next Meeting**

**Meeting #269 – Wednesday, November 09, 2022, 10:00 am– Microsoft Teams**