

Draft Minutes

**New York State Reliability Council - Installed Capacity Subcommittee (ICS)
Meeting #275 – March 28, 2023
Microsoft Teams**

Attendees **Present** **Phone**

Members / Alternates:

Brian Shanahan (National Grid) ICS Chair	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Noor Leghari (NYSEG/RG&E) ICS Vice Chair / Secretary	<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"/>
Sanderson Chery (Con Edison).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
John Dellatto (PSEG LI).....	<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"/>
Mark Younger (Hudson Economics)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Khatune Zannat (PSEG LI)	<input type="checkbox"/>	<input type="checkbox"/>

Advisers/Non-member Participants:

John Adams (ICS Consultant)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Josh Boles (NYISO)	<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"/>
Adam Evans (DPS)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Grant Flagler (Con Ed Energy)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ricardo Galarza (PSM Consulting)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chris Hall (NYSERDA).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Katie Hannigan (NYISO)	<input 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"/>
Gary Jordon (ICS Consultant)	<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"/>

Tim Lundin (LS Power)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Joharath Kutty (NYPA).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Randy Monica Jr. (DPS).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Philip Moy (PSEG)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Otito Onwuzurike (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
William Gunther (Con Edison)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Richard Quimby (DPS).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Herb Schrayshuen (Power Advisors).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Max Schuler (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sushil Silwal (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Thomas Primrose (PSEG LI)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Athar Hilme (PSEG LI).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Syeda Lubna (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lucas Carr (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Christina Duong (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mikaela Lucas (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Benjamin Cohen (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Richard Bratton (Unknown)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Timothy Duffy (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

1. Roll Call – N. Leghari

- Roll call was conducted.

2. Introduction and Request for Additional Agenda Items - B. Shanahan

- N/A

3. Approval of Minutes for Meeting #274 – B. Shanahan

- Minutes of Meeting #274 was approved after some edits.
- M. Younger and B. Shanahan has suggested to send the Draft Meeting Minutes in Word format to entire mailing list if ICS so that they can make comments.

4. Review of Action Items List – B. Shanahan

- 220-1 – No action.
- 257-1 – No action.
- 265-2 – Will be closed out in next meeting (May 2023).
- LFU white paper will be presented in May 03 meeting.
- EOP review is in Aug 2023. M. Younger – Are we expecting to get EOP review before August.
- Y. Huang. – Plan to bring something in June meeting but target is August.
- No change for Gas constraint white paper (Dec 2023).

- Y. Huang – Change to status of EOP Review and Gas Constraint white paper to Working instead of Scoping.
- B. Shanahan – will add another item to the list based on last month presentation by M. Younger “Unavailable Capacity Evaluations”.
- No Further comments on the Action Item List.

5. Chair update on recent EC actions – B. Shanahan

- Cable transition rate of potential Policy 5 change. No desired by ICS to change. Giving PSEG LI opportunity to come back with additional information or consideration. EC did not object to this course of action.

6. ICS Reviews Initial IRM Assumptions Matrix - M. Lucas

- Topology update is mislabeled as agenda item 7.1 should be part of para matrix update.
- In next few meetings if there are any additional topology updates are identified it will be presented to ICS for inclusion in 2024/25 IRM preliminary base case.
- Assumptions will be finalized in April.
- M. Younger – Is anything driving the changes from last other than the AC upgrades?
- M. Lucas – No its only AC upgrades.
- **6.1. Initial Parametric Results - M. Lucas**
 - M. Younger – Requested NYISO last year to list all the para metric steps they expect to be modelling.
 - Y. Huang – Typically it captures generation updates, the topology updates, modelling updates, EOP etc. Gold book to be released before next meeting. They will refresh the list. Next meeting will be able to populate.

7. Policy 5 Change Discussion B. Shanahan / Y. Huang

- B. Shanahan – Item 7 was projected to be potential discussion about the cable transition rate methodology alternatives. AT this point PSEGLI is not going to present anything at this time and will monitor future developments. Next month B. Young will close this discussion with Y. Huang perhaps in some other document. Since PSEGLI will not be pursuing any action on this topic further. We can forego presentation on 7.1 and 7.2.
- Hearing no objection section item 7 is closed.
 - 7.1. PSEG/LI Transition Rate Proposal – J Dellatto
 - 7.2. Response to Transition Rate Proposal – M Younger

8. Policy 5 - IRM/LCR Rounding Issue Discussion - Y. Huang

- Today’s meeting is about rounding calculation of IRM to single digit or first decimal for marginal calculations for Policy 5.
- During the Tan45 process, regression analysis is performed to look at the relationship between the IRM and the preliminary LCRs
- For ICAP Markets, the IRM and LCRs study process need to be rounded to 3 decimal point or 0.1 percentage point for marginal calculations.

- NYISO proposes to add the precision requirements in Policy 5
- The added requirements will specify the precision for LOLE and IRM.
- Trading off between IRM and the LCR in terms of rounding. NYISO looked at rounding IRM up with compensating rounding down any of the LCR's.
- Additional adjustment beyond the conventional rounding configuration should be limited to +/- 0.1%
- R. Bolbrock – Does not seem to have consistency rounding one LCR and not other and same way rounding up IRM and rounding down LCR. Does not seem to be logical. We should not make it complicated.
- Y. Huang – Some guidance is necessary for rounding.
- M. Younger – Wondering if there is easy solution. Tan45 for LCR result to be rounded to additional significant digit. It will be highly unusual that LOLE target is not met. Why to round Tan45 result since it is an interim step.
- Y. Huang – Next steps NYISO is proposing to add a session to talk about precision requirements.
- R. Bolbrock – Instead of proposing precision requirements it should be called rounding methodology.
- M. Younger – One digit precision is inconsistent with LOLE which is three significant digits. So, if we lock LCR from the results. If the rounding call for round down so we round down
- M. Younger – Lock the LCR values that came out of Tan45 to three significant digits. Round the IRM in the direction that it remains in LOLE target if not round it the other way and see if it remains in the LOLE target.
- Y. Huang – We can look at specific language. We can capture this recommendation.
- Y. Huang – Proposing in the Policy 5 language three significant digit for LOLE and three decimal point for IRM. Rest can be done what M. Younger proposed in earlier bullet.
- B. Shanahan - Policy 5 should have guidance on rounding.
- Y. Huang - Work with G. Jordon and J. Adams to draft up language for Policy 5. If ICS agrees with the language, we can finalize Policy 5 by end of 2023.
- M. Younger – What happens if IRM is rounded up or down 0.05%.
- Y. Huang – Any ramp down will push the IRM out of bounds.
- B. Shanahan – Next month we will get Policy 5 draft changes for review based on Y. Hyang and M. Younger suggestions.

9. Additional Agenda Items

- M. Younger – Next meeting we should get the load Forecast White paper report as well as Assumption Matrix expanded. Will NYISO have information on what Solar units are coming on and what units are coming on and retiring.
- Y. Huang - Gold Book should have all the retirements units and Initial proposed list for study runs.

Next Meeting

Meeting #276 – Wednesday, May 3, 2023, 10 am – Microsoft Teams at KCC