

Meeting Minutes

**New York State Reliability Council - Installed Capacity Subcommittee (ICS)
Meeting #253 – November 3, 2021
Webex**

Attendees **Present** **Phone**

Members / Alternates:

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

Advisers/Non-member Participants:

Alan Ackerman (CES).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
John Adams (ICS Consultant)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Leen Almadani (CHG&E)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Liam Baker (Eastern Generation)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Josh Boles (NYISO)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Andrea Calo (CES)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ryan Carlson (NYISO)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Jie Chen (Potomac)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Frank Ciani (NYISO).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Nelson Eng (Con Edison)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ricardo Galarza (PSM Consulting)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Robert German (DTE)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Nate Gilbraith (NYISO)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ying Guo (NYISO)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Karl Hofer (Con Edison).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Erin Hogan (UIU)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Yvonne Huang (NYISO)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chris LaRoe (Brookfield)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Scott Leuthauser (HQUS).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tim Lundin (LS Power)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Norman Mah (Con Ed Energy)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Maddy Moheman (NYISO).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Randy Monica Jr. (DPS)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Scott Nevins (DPS)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ben O'Rourke (NYISO)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Kevin Osse (NYISO).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Carl Patka (NYISO).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Richard Quimby (DPS).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>

1. Roll Call – R. Brophy

- Roll call was conducted.

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

- No additional agenda items requested.
- Mr. Shanahan announced that G. Drake would not be supporting ICS going forward. Discussions within the SRC about Mr. Drake’s replacement have not yet occurred.

3. Approval of Minutes for Meeting #252 – B. Shanahan

- Meeting Minutes approved with comments.

4. Review of Action Items List – B. Shanahan

- 220-1: List of questions was sent out to the ICS TO reps this morning before the meeting.
- 233-1: Will include this item in discussions concerning future white paper topics.
- 247-2: Agenda item 5.1.
- 247-4: Agenda item 5.2.
- 249-17: Scheduled for February 2022 completion.
- Brief discussion on current white paper topics. Future white paper topics will be updated in the near future.
 - N. Gilbraith commented that all the work that folks have been requesting and the work the EC has been prioritizing is a full plate of work for next year. That work

includes High Renewable Phase 3, Extreme Weather Events, Load Shape Selection, the Y49/Y50 Sensitivity, AC Transmission, and Peaker Retirement Study. The enhance in the EOP for Operating Reserves is under review by the NYISO. His intention is to bring the full list to the December ICS for review and discussion.

5. Chair update on recent EC actions

5.1. Update Status on 2022 NYSRC Corporate Goals (AI 247-2) – B. Shanahan

- Presented to the EC at their last meeting, no significant discussion.
- Goal A-1. Prepare a Phase 3 High Intermittent Renewable Resource analysis: The scope is due to the EC by January 2022 so we will need to work on it soon.
- Goal C-1. Enhance modeling efforts including DER, ELR and other modeling improvements: We have been working on this already, are in good shape for this goal.
- Goal C-3.: Making progress on all aspects of the goal.
- Goal E: ICS will continue to monitor and recommend changes where appropriate.
- Prepared to bring the goals to the next EC meeting for their final approval.

5.2. Review of Revised Draft ICS Scope Document Revision – B. Shanahan

- Changes made since the last meeting based on comments at that meeting and to incorporate ICS Corporate Goals.
- Looking for an EC approval of the changes at their January 2022 meeting. Mr. Shanahan is asking for feedback by our December meeting.

5.3. Update Status on Public Appeal Questions for TO's (AI 220-1)

- The survey has been sent out to the ICS TO reps, Mr. Shanahan will be following up with them.

5.4. Final IRM Base Case Assumptions Matrix EC Approval Status Update

- The EC reviewed the preliminary sensitivity results and approved the final IRM base case assumptions matrix at their last meeting. They also reviewed the Fall Load Forecast information.

6. Masked database for Final Base Case for final TO review status – N. Gilbraith

6.1. NYISO reports any changes based on final base case review

- Mr. Gilbraith said that they sent the database over to GE. They performed their QA/QC and did not have any findings for the FBC. GE masked it and sent it back to the NYISO early this week. F. Ciani said that he would be uploading the masked database after this meeting so ConEd and LIPA could do their reviews.
- ConEd and LIPA said it would take them 1-2 weeks to do their reviews. They will notify the NYISO when it is done and if they did/didn't find any issues. M. Younger requested the NYISO to pass that information on to the ICS. Mr. Gilbraith said he would work with Mr. Shanahan to have a notification sent out to the group.

7. ICS approval of final 2022 IRM base case – N. Gilbraith

7.1. FBC Parametric Results – K. Osse

- Mr. Osse noted that there were two typos for the Adjustment types: #2 should be an A-F adjustment (vs A-K) and #3 should be and A-K adjustment (vs A-F). He will send out a corrected document after the meeting to ICS members.
- Mr. Osse walked through the results. He said they were consistent with the Tan45 results.

- C. Wentlent inquired about the Capacity Additions (#4). He questioned why the IRM went up when Cricket Valley and Bowline added additional MWs. Mr. Younger explained that has to do with the Upstate/Downstate balance. He pointed out the NYC and LI LCRs dropped as a result.
- Ms. Zannat asked where most of the New Solar Facilities (#2) were added. Mr. Gilbraith said that the majority were added in Zone F with a few MWs in Zones C and E. Mr. Younger added that of the 160 MWs total 120 MWs were added to Zone F, 20MWs in C, and 20MWs in Zone E.
- Mr. Younger noted that the FBC parametric results showed an IRM of 18.7% but the Tan45 resulted in a IRM of 19.1%. He questioned Mr. Osse as to why he said the two were consistent. Ms. Huang said that the difference of 0.4% was not a material shift. Mr. Osse added that there have been bigger deltas between Parametrics and Tan45s in the past and the NYISO views the 0.4% difference as pretty reasonable. Mr. Younger disagreed and requested the NYISO to include a note on the parametric document indicating that the IRM shown has not been adjusted to the Tan45 FBC results yet.
- Mr. Mager asked if the change between the PBC Tan45 of 18.6% and the FBC Tan45 of 19.1% was due solely to the parametric impacts being presented today. Mr. Osse confirmed that was the case.

7.2. FBC Tan45 Results – Y. Huang

- Ms. Huang reiterated that the parametric results only indicates the directional changes and magnitude of each of the parametrics and give an indicative of the Tan45. Once they have the FBC that catches all the changes that need to make to the database the Tan45 process is performed and then they calculate the regression between the IRM at the Zone J and K level. As a result of that process we see the IRM from the Tan45 results is 19.1%, which is up by 0.4% from the final parametric. The corresponding LCR for J is 80.4% – 0.2% higher than the parametric and the corresponding K LCR is 95.1% – down by 0.4% from the parametric.
 - Ms. Huang noted that the J curve being presented here doesn't capture the upper part of low points. She will send out a revised version for use in the report.
 - Mr. Adams confirmed that in the report there is a table that takes the parametric results and scales them up to the Tan45 results. It should be available in the draft report presented at the November 16 meeting.
- ICS members approved the Parametric results and the Tan45 results contingent on ConEd's and LIPA's review.

8. Draft 2022 IRM Report

8.1. IRM Body Report – J. Adams

- Report Review/Comment discussion moved to the November 17 meeting.
- Mr. Adams said he has made as many updates he could from the materials and information he has access to, still a work in progress. He asks that comments be sent to him ASAP.

8.2. IRM Appendices Report – J. Adams

- Report Review/Comment discussion moved to the November 17 meeting.
- Mr. Shanahan was tasked by the EC to have a discussion with the NYISO regarding the number of EOP calls. There was discussion at the last EC concerning the number of EOP calls. The EC noted that even though they were significantly reduced from last year they are higher than what they would expect. There is a request to see what the feasibility and/or potential timeline would be for possibly restructuring some of the EOP calls in MARS. To see

if that influences or greatly reduces the number of EOP calls in aggregate. Mr. Shanahan did have a discussion about it with Mr. Gilbraith and thinks it is something the ICS and NYISO can work on going forward once the final work is done for this year's IRM. He thinks it would take some time to go through changing around some of the sequences, interpreting the results, and providing an output of them for people to consider. Mr. Gilbraith said that thorough analysis would need to be done. Mr. Shanahan will report back re our discussion to the EC.

9. Special Sensitivity Cases

9.1. Sensitivity Results (Cases 1-9) – For ICS Review – Y. Guo

- The results were reviewed at our last meeting, no need to re-review the results.

9.2. ELR Sensitivity – Y. Huang

- Ms. Huang explained that now that the FBC has been approved she will run the ELR sensitivity and bring the results to the November 17 meeting for discussion.

9.3. PSEG-LI Cable Outage Rates

- Ms. Zannat said that LIPA provided Mr. Gilbraith and his team the transition rate last week and they will be performing the sensitivity, they don't have a confirmed date for completion. The Y49/Y50 group interface is being raised to 50% forced outage rate in the table but is it not to be included in the Final Base Case, it is just a sensitivity. Mr. Galbraith said they would bring the results to the ICS as soon as they have them. He thinks they may have the results ready for the November 29 meeting but can't guarantee it.
- The results will be posted on the ICS web site.

10. Additional Agenda Items

- Nothing to report.

Next Meeting

Meeting #254 – November 17, 2021, 2 pm – Microsoft Teams