

Draft Minutes

**New York State Reliability Council - Installed Capacity Subcommittee (ICS)
Meeting #267 – October 05, 2022
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"/>
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 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"/>
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:

Alan Ackerman (CES).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rich Bolbrock (Unaffiliated)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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"/>
Liam Baker (Eastern Generation)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Josh Boles (NYISO)	<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"/>
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"/>
Yvonne Huang (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gary Jordon (ICS Consultant)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scott Leuthauser (HQUS)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Timothy Duffy (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Timothy Green (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dimple Gandhi (PSEG LI).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dylan Zhang (NYISO)	<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"/>
Ben O'Rourke (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Kevin Osse (NYISO).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Kathleen O'Hare (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Laura Popa (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Julia Popova (NRG).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Max Schuler (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Richard Bratton (Unknown)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sushil Silwal (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Benjamin Cohen (NYISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lucas Carr (Unknown)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mikaela Lucas (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

- No introduction to Additional Agenda Items.

3. Approval of Minutes for Meeting – B. Shanahan

3.1. Meeting #265 – B. Shanahan

- Meeting Minutes #265 has been approved after making few spelling corrections.

3.2. Meeting #266 – B. Shanahan

- Meeting Minutes #266 has been approved after making few name corrections.

4. Review of Action Items List – B. Shanahan

- Annual request for TO's to tell us if they have public appeals. B. Shanahan will be sending email in next few weeks.
- Perform some Policy 5 updates. Milestone tables have to be updated. Brian, Gary and John will be getting together to update.

- Next year to determine if we are going address in Policy 5 cable rate outage assumption outage.

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

- EC position on including
- EC position on including Y49 sensitivity in the final IRM report or to Keep it as separate study item. EC will discuss it in October EC meeting.

6. ICS to consider Adoption of New Load Shapes into FBC 2023 – L. Carr

- Discussion how to provide Load Shape in Excel or PDF. B. Shanahan will bring it up to the EC.
- The NYISO recommends that the ICS adopt and implement the New Load Shapes for the IRM 23 Final Base Case
- G. Jordon – Recommends adopting new load shapes.
- B. Shanahan – Hearing no objections, ICS will accept the use of New Load Shapes into the IRM 23 Final Vase Case.

7. NYISO and TOs report preliminary data base quality assurance review – Y. Huang

1.1. ICS accepts preliminary data base quality assurance review

- GE review our database and they identified few discrepancies and NYISO fixed the issue.
- H. Kosel – Reviewed and no issues.
- K. Zannat – Reviewed and no issues with GE quality assurance review.
- Y. Huang – Comparing this year vs last year there was movement in terms of deactivation of the Peakers.
- Interface Limits was also identified. The direction of limits was off. Assumption matrix had raw information. Updated assumption matrix that matched with the right interface.
- All items were addressed as identified by GE
- M. Younger – Did any of the material identified ultimately affect result.
- Y. Huang – It does not.
- K. Zannat – Items for Preliminary Base Case is done.

8. IRM Base Case Assumptions – K. Osse

8.1. Final 2023 IRM Base Case Assumption Matrix – For ICS Approval – K. Osse

- G. Jordon – K. Osse is going to update this presentation and G. Jordon will repost it.
- Two new Units will be modeled in Base Case. 1) Baron Winds 2) Energy Storage Resource KCE NY 6.
- PBC matrix SCR's and EOP's are now included under emergency procedures.
- Minor update of Neptune rating in Attachment E1.
- NYISO proposes conditional approval.
- M. Younger – Detail review to changes to new units will feed into this and need to see this before approval.
- B. Shanahan – Hold acceptance approval of this item until we go through new generator review.
- M. Younger – When can we get the version that has all the correction in it.
- K. Osse – NYISO is going to send this after this meeting.

8.2. New Generator Assumptions Presentation – L. Carr.

- Explained Methodology used New Generator Assumptions
- Recommend two new projects for the final base case. 1. Baron Winds (Phase 1) of the project 121.8 MW and 2. Energy Storage Resource KCE NY 6.
- M. Younger – NYISO provided list bunch of units that were DER's and were not included. Are these Units capacity providers? Have these Units taken any steps.
- Y. Huang – Any projects that made it to the list they are complete or are in process.
- Next steps - NYISO recommends including these 2 units in Base Case.
- ICS gave conditional approval.

9. Sensitivity Cases

9.1. Sensitivity Results (Cases 1-11) – For ICS Review – L. Carr

- R. Bolbrock – Question regarding Operating Reserve at Load Shedding (not maintaining OR at load shedding). -1.5 were shown here should have closer to 0.5
- G. Jordon – If you go back to the preliminary base case results that shows holding step 4, 350 MW that will impact 1.5 increase. Ratio will add up if you go back.
- M. Younger – Case 10 should not be in final IRM report. This issue has been identified for further discussion for early next year and modelling assumption is in violation of Policy 5.
- Y. Huang – Takes this item (case 10) to EC for discussion whether to include that in IRM report. We produce the sensitivity study as requested and show the impact to EC.
- M. Younger - If EC accepts then NYISO has to show adjusted estimated sensitivity results assumption for the final base case.

9.2. Y49 Sensitivity Cases Presentation – K. Osse

- G. Jordon – Was there any risk occurred prior to May 31 to sensitivity or base case? Or whether there were any LOLE events.
- Something NYISO can investigate.
- M. Younger – NYISO does not explicitly model between May 1 to April 30th the following year.
- Y. Huang – There is a different May in the study period that refers to May 2024. Y49 will be fully available.
- G. Jordon – Difference between calendar year and Capability year so Y49 will not be there for calendar year for 2023 for first 5 months.
- Y. Huang – NYISO run calendar year. Assumption will be matched to 2024.
- M. Younger - How may represent. Is it 2023 calendar year or 2024? Appropriate May will be May 2023 instead of 2024
- Y. Huang – For this sensitivity it is for entire year.
- Y. Huang – Will double check if the sensitivity is 2023 or 2024.
- Y. Huang – Double check with Ryan that May in the study is May 2023. But in current base case this outage was not captured.

- K. Zannat – One change needs to be made in the final base case modification from preliminary base case is to have Jan through May 31. 656MW to capture any LOLE events.
- M. Younger – Base case assumption should be that the Line is not available for May.
- Y. Huang – Correct the base case for May to capture this outage. Alignment between calendar and capability year.
- Sensitivity Case 10 will be presented to EC.

10. Load Forecast – For ICS Approval – M. Schuler

- Revised posting due to late change from ConEd adjust forecast to 4 MW. Posted on September LFTS meeting material.
- Should not impact the ICS' overall approval decision.
- B. Shanahan – Does anyone object the acceptance of Load Forecast as modified late changes. Hearing none ICS accepts.

11. ICS Goals for 2023 – Discussion – B. Shanahan

- EC looking to update goals for sub-committee.
- Two white papers every year.
- Model improvement initiative for 5-year plan.
- Policy 5 initiative.
- G. Jordon - Specific goal for next year would be switch our modelling for capability year

12. Revised 2023 Meeting Schedule. - B. Shanahan

- There were no objections to four ICS meetings on Tuesday.

13. Additional Agenda Items

- R. Bolbrock looking for EOP activation from preliminary base case.
- Y. Huang – ICS to investigate EOP calls. EOP calls were lower than last year. 2 main areas. Reverse limits from C to B. West Central Reverse Limit. New EOR functionality will reduce EOP calls. Also increased the transfer limits that reduce EOP Calls.

Next Meeting

Meeting #268 – November 2nd, 2022, 10:00 am – Webex– Microsoft Teams

Rest of October Actions:

- NYISO completes sensitivity testing.
- ICS conducts base case study and determines final base case including tan 45 analysis and IRM.
- ICS prepares initial draft IRM report, including Tables 6-1 and 7-1.
- NYISO delivers final base case input files to GE for incremental review and masking.
- GE provides masked data base to the NYISO.