

**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) <b>ICS Chair</b> .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Noor Leghari (NYSEG/RG&E) <b>ICS Vice Chair / Secretary</b> .....	<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 #XXX – 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.