

Draft Minutes

**New York State Reliability Council - Installed Capacity Subcommittee (ICS)  
Meeting #282 – November 1, 2023  
Microsoft Teams**

**Attendees** **Present** **Phone**

**Members / Alternates:**

Brian Shanahan (National Grid) <b>ICS Chair</b> .....	<input type="checkbox"/>	<input type="checkbox"/>
Noor Leghari (NYSEG/RG&E) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Majdi Baccouche (NYSEG/RG&E).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rich Bolbrock (Unaffiliated) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Clay Burns (National Grid).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ruby Chan (CHG&E) .....	<input type="checkbox"/>	<input type="checkbox"/>
Sanderson Chery (Con Edison).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ayman Elkasrawy (NYSEG/RG&E) .....	<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 type="checkbox"/>
Richard Wright (CHG&E).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mark Younger (Hudson Economics) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Athar Hilme (PSEG LI).....	<input type="checkbox"/>	<input type="checkbox"/>

**Advisers/Non-member Participants:**

Kristine Agati (AVANGRID) .....	<input type="checkbox"/>	<input type="checkbox"/>
John Adams (ICS Consultant) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Dave Allen (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>
Leen Almadani (CHG&E) .....	<input type="checkbox"/>	<input type="checkbox"/>
Josh Boles (NYISO) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mike Cadwalader .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Andrea Calo (CES) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ryan Carlson (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lucas Carr (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Anand Chandrashekar (NYISO) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Jie Chen (Potomac) .....	<input type="checkbox"/>	<input type="checkbox"/>

Benjamin Cohen (NYISO) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Patrick Danner (NYPA) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Grant Flagler (Con Ed Energy) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Henry Fox (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Kenneth Galarneau .....	<input type="checkbox"/>	<input type="checkbox"/>
Ricardo Galarza .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
William Gunther (Con Edison) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chris Hall (NYSERDA).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Karl Hofer (Con Edison).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Erin Hogan (DOS) .....	<input 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 type="checkbox"/>	<input checked="" type="checkbox"/>
Brendan Long .....	<input type="checkbox"/>	<input type="checkbox"/>
Syeda Lubna .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mikaela Lucas (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tim Lundin (LS Power) .....	<input type="checkbox"/>	<input type="checkbox"/>
Madeline Mohrman (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>
Randy Monica Jr. (DPS) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tubbs Nikolai (NYISO) .....	<input type="checkbox"/>	<input type="checkbox"/>
Kathleen O'Hare (NYISO).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Otito Onwuzurike (NYISO) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pallas LeeVanSchaick (Potomac).....	<input type="checkbox"/>	<input type="checkbox"/>
Abdul Mohammed (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Laura Popa (NYISO) .....	<input type="checkbox"/>	<input type="checkbox"/>
Julia Popova (NRG).....	<input type="checkbox"/>	<input type="checkbox"/>
Thomas Primrose (PSEG LI) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bianca Prinsloo (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Alan Ackerman (CES) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Adam Evans (DPS) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Christina Duong .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Timothy Duffy (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Richard Quimby (DPS) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Ben O'Rourke (NYISO) .....  .....

Josif Figuero (NYISO) .....  .....

**1. Roll Call – N. Leghari**

- Roll call was conducted.

**2. Introduction and Request for Additional Agenda Items - H.Kosel**

- No additional agenda items.

**3. Approval of Minutes for Meeting**

- Meeting #281 – N. Leghari
- Minutes Approved upon edits.

**4. Review of Action Items List - H.Kosel**

- 281-1 Dover Par: Footnote will be included in the report.

**5. Chair update on recent EC actions – H Kosel / G. Jordan /Gary**

- EOP white paper was accepted: Goals, assumptions matrix

**6. FBC Parametric Results – H. Fox / B. Prinsloo**

**6.1. IRM24\_FBC\_Results\_with\_EOP\_ICs\_1101**

- Full load full cost impact 0.93%

**6.2. 2024\_FBC\_Load Forecast Impact**

- Decrease of 686 MW of the load forecast from PBC to FBC
- Tan45 results show 0.25% increase to the IRM

**7. FBC Tan45 Results – H. Fox / B. Prinsloo**

**7.1. Tan45\_Curves\_UPDATED**

- JLCR/K curves were presented
- New EOP steps and SCR calls/Month updated

**7.2. Tan45\_Points**

- Summary results: 2024-25 FBC Tan45 IRM 23.10, J LCR 72.730, K LCR 103.207, G-J 84.577

**8. ICS approval of 2024 Final IRM base case and Tan45 results**

- Database review/quality assurance are in process with the TOs and GE
- GE reviewed the database and had no issues
- TOs review is in process
- ISO is projecting increase in load in transmission security limits to have additional capacity. Required reserve margin of 26% for 2024.
- The base case results are claimed to be consistent with the procedure/policy
- Tan45 base case is approved pending completion of the review by Friday

**9. FBC Analysis with TSL – M. Lucas / L. Carr**

- Summary results: 2024-25 FBC Tan45 IRM 23.10, J LCR 73.730, K LCR 103.207, G-J 84.577
- 2024-2025 IRM study captured significant improvements in the topology model that facilitate increased transfers from upstate to Zone J, which lowers the Zone J Preliminary LCR and increases the IRM

- The 2024-2025 IRM FBC was adjusted to respect both TSL Floors and the IRM from the Tan45 results
- The LOLE decreases from 0.100 to 0.069
- The reliability will not be improved beyond what is required by implementing the adjustments (According to Policy 5, the LOLE should not be worst than 0.100)
- Suggestion to include these results in the report (sensitivity table or similar)
- The table is to be brought up in the next EC meeting, capture the input from the EC discussion and feed it in the IRM report
- Supplementary information to be considered for the vote for the IRM 23.1

#### **10. First Draft of 2023 IRM report – G. Jordan**

- Action to review the report and send comments if any
- Final version to be concluded in December
- Due to upcoming gas constrains, the number of replications is discussed. Recommendation to check duty error analysis on the preliminary base case next year while proceed with 3250 with this year associated analysis.

#### **11. Gas Constraint Whitepaper Update– L. Carr**

- Modeling vs Market: Consistency between the RA model and the market structure is desired and is implemented by the coordinating effort NYISO's RA and Marker Design teams, however, there are some challenges while the RA model is trying to simulate the exact market reality.
- The NYISO is proceeding with testing possible updates to the GADS data processing tools to exclude the reported lack of fuel during winter to avoid potential double counting.
- Topics presented: Modeling Availability vs. Unavailability, Gas Constraint Modeling, Modeling Alignment with Markets
- The NYISO will continue testing the current modeling constructs based on inputs received from the ICS and ICAP Working Group, and plans to return to the 11/28 ICS meeting with additional results and proceed with preliminary modeling recommendation
- The NYISO anticipates developing a final recommendation on gas constraint model by the end of 2023. The final report is expected to be completed early 2024
- More to discussion on the December meeting about the gas constrain topic

#### **12. Additional Agenda Items**

- No additional agenda items.

#### **Next Meeting**

**Meeting #283 – Tuesday, November 14<sup>th</sup>, 2023, 10 am – NYISO KCC**