

**Draft Minutes**

**New York State Reliability Council - Installed Capacity Subcommittee (ICS)  
Meeting #262 – June 29, 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"/> |
| 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"/> |
| 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"/> |
| Jin Hao (NYSEG/RG&E).....   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Chris Wentlent (MEUA).....  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Rich Wright (CHG&E) .....   | <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:**

|  |                                     |                          |
|--|-------------------------------------|--------------------------|
| John Adams (ICS Consultant) .....            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| David Allen (NYISO).....                     | <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"/> |
| Nelson Eng (Con Edison) .....                | <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"/> |
| Kenneth Galarneau (Rise Light & Power) ..... | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Ricardo Galarza (PSM Consulting) .....       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Nate Gilbraith (NYISO) .....                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Ying Guo (NYISO) .....                       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

|                                    |                                     |                          |
|------------------------------------|-------------------------------------|--------------------------|
| Syeda Lubna (NYISO) .....          | <input checked="" 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"/> |
| Scott Leuthauser (HQUS) .....      | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Tim Lundin (LS Power) .....        | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Randy Monica Jr. (DPS).....        | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Scott Nevins (DPS) .....           | <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"/> |
| Ben Cohen (NYISO) .....            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Julia Popova (NRG).....            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Richard Quimby (DPS).....          | <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"/> |
| Keegan Guinn (NYISO) .....         | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Kathleen O'Hare (Unknown) .....    | <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**

- B. Shanahan – Discussed additional agenda items, current white paper topics (for IRM Study), Current White Paper Topics (For 2023 IRM Study) and Model Improvement work in 2022 (Future Presentations).
- No questions were asked.

**3. Approval of Minutes for Meeting #XXX – B. Shanahan**

**3.1. Meeting #261 -- 📄 – B. Shanahan**

- Hold on to the meeting minutes #261 until the next meeting so that everyone has a chance to review it.

**3.2. NYISO In-person Meeting Requirements 📄 – B. Shanahan**

- B. Shanahan - discussed in-person meeting requirements and house keeping

**4. Review of Action Items List – B. Shanahan**

- No comments on the action items, model improvement work and future white paper topics.

- M. Younger – Does NYISO have any plans to look at improvement to the modeling of storage and energy limited resources. It should be highest priority for NYISO. Interchange with neighboring jurisdiction might affect results. Discussed different steps for limiting energy resources when accessed to serve load in the model, such as prescheduling of limited energy resources. Something needs to be done.
- Y. Huang – Not for this year but eventually they will.

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

- B. Shanahan - Discussed generator inclusion discussion with EC. Looking at process for new generator registration. Preliminary assessment to include generator in the base case
- M. Younger – Importance of interconnection queue, gold book is a good starting point
- Y. Huang – once developer executes interconnection agreement it becomes binding to update in-service date

#### **6. ICS Approval of Preliminary IRM Study Assumptions Matrix - K. Osse**

- Discussed IRM Study Assumptions Matrix
- There were no questions or objections

##### **6.1. Proposed Additional Topology Change – Y. Guo**

- Transfer Limits are updated due to the anticipated retirement of Trigen and the derate on 138-291
- Limits from Ontario are updated based on confirmation from IESO
- Dynamic limits will be updated that will be added before presenting to EC
- There were no objections
- It should be presented to the EC meeting for approval

#### **7. 2023 IRM PBC Parametric Results – R. Carlson**

- ELR Model decrease on 0.63% when run parametrically
- Withholding 350 MW OR at Load Shedding increased 1.28%
- M. Younger - Is it possible to fill out table with actions to complete full steps. Material/non-material. Remaining parametric steps.
- Y. Huang – ISO will provide before next meeting

#### **8. Preliminary List of 2023 IRM Sensitivity Studies – R. Carlson**

- Additional change was made Y49 outage study
- No questions

#### **9. Draft High Renewable Phase III – K. Osse**

- The results were updated from the last version to capture removal of Dynamic Limits when removing transmission constraints.
- Part 3 of the phase 3 study – removal of Peaker units
- These different phases are cumulative
- Between part 2 and part 3 increase the IRM by 0.3 and decrease URM by 0.3 performance of peaker unit that retired.

- B. Shanahan – Preset phase 3 study to the EC next week if NYISO is comfortable. Once NYISO comments are incorporated it will be presented.

#### **10. LFU Phase III Scope Review – M. Schuler**

- Discussed existing LFU Study Work
- M. Younger – Question How far off are the LFU multipliers. How important is to adjust load uncertainty. What is the risk.
- K. Osse - The variability on peak hour is much more than during non-peak hours
- Variability drops of significantly from peak hour to hour 100
- Winter LFU modeling will become more impactful on reliability analyses as the NYCA trends towards becoming a winter peaking system during the 2030s
- K. Osse – Confirmed that solar pattern is being adjusted based on capacity.
- M. Younger - Likelihood of zero solar is very low in summer. It does not show up in any of historic shape.
- K. Osse – NYISO will look at more peak days
- Next steps - Target 2023 Q1 to deliver conclusions on Phase 3 study topics

#### **11. Additional Agenda Items**

- NYISO performs parametric study to be used as the basis for Table 6-1 of IRM Study report.
- NYISO conducts preliminary IRM tan 45 study following parametric study.
- ICS members prepare list of proposed sensitivity cases and submits to ICS chair.
- A. Evans - proposed NYISO to expand peak window. NYISO is going to look into that.
- Discuss if we could have a mid-month meeting.

#### **Next Meeting**

**Meeting #263 – Wednesday, August 3, 2022, 10 am – Online Virtual**