

Draft Minutes

**New York State Reliability Council - Installed Capacity Subcommittee (ICS)
Meeting #238 – September 29th, 2020
Telephone Conference**

Attendees

Present Phone

Members / Alternates:

| | | |
|---|--------------------------|-------------------------------------|
| Ruby Chan (CHG&E) ICS Chair | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Brian Shanahan (National Grid) ICS Vice Chair / Secretary..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Rich Wright (CHG&E) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Howard Kosel (Con Edison)..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Sanderson Chery (Con Edison)..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| John Dellatto (PSEG LI)..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Khatune Zannat (PSEG LI) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Mariann Wilczek (PSEG LI) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Richard Brophy (NYSEG-RGE)..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| John Cordi (NYPA) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Alan Michaels (NYPA)..... | <input type="checkbox"/> | <input type="checkbox"/> |
| Mark Younger (Hudson Energy Economics, LLC – Wholesale Sellers) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Chris Wentlet (Municipals & Electric Coops) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Mike Mager (Couch White – Large Consumers) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Clay Burns (National Grid)..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Rich Bolbrock (Unaffiliated Member) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Advisers/Non-member Participants:

| | | |
|--|--------------------------|-------------------------------------|
| Jack DiOdoardo (CHG&E) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| John Adams (Consultant) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Ricardo Galarza (PSM Consulting) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Scott Leuthauser (HQUS) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Alan Ackerman (CES)..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Greg Drake (Consultant) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Josh Boles (NYISO) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Frank Ciani (NYISO) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Ryan Carlson (NYISO) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

| | | |
|---|--------------------------|-------------------------------------|
| Carl Patka (NYISO)..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| David Allen (NYISO)..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Nate Gilbraith (NYISO) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Jonathon Newton (Direct Energy) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Richard Quimby (NYDPS) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Adam Evans (DPS) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Chris Hall (NYSERDA)..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Dan Mahoney (NYPA) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Jim D’Andrea (LS Power)..... | <input type="checkbox"/> | <input type="checkbox"/> |
| Jim Kane (NYPA) | <input type="checkbox"/> | <input type="checkbox"/> |
| Kevin Osse (NYISO)..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Ying Guo (NYISO) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Erin Hogan (UIU) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Maeve Conway (NYISO) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Norman Mah (Con Ed Energy) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Matt Cinadr (E Cubed) | <input type="checkbox"/> | <input type="checkbox"/> |
| Chris Gloria (NYISO) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Matthew Schwall (IPPNY) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Kenneth Galarneau(Direct Energy)..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Norman Mah (NYISO)..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Liam Baker (Eastern Generation) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Brian Krall (East Coast Power & Gas) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Yvonne Huang (NYISO) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Andrea Calo (Unknown) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| David Withrow (Customized Energy Solutions) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Dan Jerke (Unknown) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Karl Hofer (Unknown) | <input type="checkbox"/> | <input type="checkbox"/> |
| Mike Welch (NYISO)..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Randy Monica (Unknown) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Julia Popova (Unknown) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Craig Bury (Unknown)..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Zack Smith (NYISO)..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Amanda Moyott (Unknown)

Charles Alonge (NYISO)

Chris LaRoe (Unknown)

Matthieu Plante (Unknown)

Patti Caletka (Unknown)

Randy Monica Jr. (Unknown)

Laura Popa (Unknown)

Max Schuler (NYISO)

- 1) **Roll Call**
 - Roll call was conducted.
- 2) **Introduction and Request for Additional Agenda Items**
 - Chair Ruby Chan called the NYSRC ICS meeting to order at 10:00 A.M. on September 16th, 2020.
- 3) **Approval of Minutes for Meeting #237 – – R. Chan**
 - Meeting Minutes were approved with one additional comment by Mr. Younger incorporated under Agenda Item 9, stating that the duration limitation associated with Duration Limited Resource Modeling must be represented in the base case in some manner. If the new methodology for representing Demand Limited Resources is not modeled in the base case, the existing methodology, as demonstrated on last year’s IRM battery technology, should be used.
- 4) **Action Items List – – R. Chan**
 - Ms. Chan reviewed and discussed selected Action item statuses. For Action Item 220-1, the ICS chair sent a letter sent to TO’s on voluntary curtailments and public appeals. Replies are due 10/22 and the information to be presented to the EC
- 5) **Preliminary base case data to Con Ed/LIPA and GE for data quality assurance review – N. Gilbraith**
 - Both Con Ed and PSEG-LI have the data and will be finishing reviews this week.
- 6) **Sensitivity Results (Cases 1-7) – For ICS Approval – – Y. Guo**
 - Ms. Guo presented the results of several sensitivity cases for the 2021 IRM study.
 - There were no objections by the ICS and the Sensitivity results were approved by ICS.
 - An additional DLR sensitivity test would need to be added (see agenda item 7.2).
 - Action item for NYISO to check on whether the new DLR modeling allows for partial dispatch (less that the full unit’s output) of these resources.
- 7) **Duration Limited Resource Modeling**
 - 7.1 **Review of September ICS discussions on ELR, ESR modeling – 📄 – Y. Huang**
 - Ms. Huang presented the proposed methodology NYISO intends to incorporate.
 - Mr. Younger and others noted that there is an important distinction between terms ELR and DLR. Ms. Huang stated that NYISO would revise future presentations more precisely.
 - Mr. Younger expressed concern that modeling of actual ELR elections needs to be included in the base case.
 - 7.2 **Inclusion of new modeling feature for energy limited resources – 📄 – G. Drake**
 - Mr. Drake presented the new modeling features in contrast to the existing simplified modeling of ELRs/DLRs.
 - Mr. Younger recommended that the ELRs should be modeled using MARS tools as a sensitivity case in the 2021 IRM Study and also using the previous method in MARS.
 - Mr. Younger suggested three possibilities for vetting DLRs, run the base case Tan 45 analysis with DLRs; with a sensitivity without DLRs; and a third analysis using the new DLR methodology.
 - The following proposal was approved by the ICS for NYISO to move forward in analyzing DLRs.

Model the elections, which became effective on 5/1/2001, as a sensitivity case for the 2021 IRM Study using the GE MARS ELR modeling capability, as discussed at the 9/16/2001 NYSRC ICS meeting and agreed to between the ISO and the NYISO consultants.

- a. For the 2021 IRM base case, model the Duration Limited Resources using their duration limitations and the methodology used in the 2020 IRM study for the battery storage units. This “simplified” modeling would be replaced in the future with the new modeling once it has been verified.
 - b. NYISO and ICS develop a plan to test the GE MARS ELR functionality.
- Action item for NYISO to provide what periods of the day that DLRs with 4,6,8, and 10 hour durations would occur.
- 8) Long Island Tan45 Reserve Margin Investigation Results – – Y. Guo**
- Ms. Guo presented the Long Island Tan45 Reserve Margin results. Three parameters had a net -3.6% impact on LI LCRs. There were no comments from ICS.
- 9) Fall Load Forecast – For ICS Approval – – C. Alonge / M. Schuler**
- Mr. Schuler presented the fall load forecast which was approved by ICS.
 - The overall gold book forecast was roughly maintained (new fcst 16 MW lower) with lower forecasts in zones J (357 MW) and zones G-J (267 MW). The forecast for zone K is 143 MW higher than the gold book (PBC) forecast.
- 10) Final 2021 IRM Base Case Assumption Matrix – For ICS Approval – – M. Conway**
- Ms. Conway went over the latest edits to the Assumption Matrix.
 - NYISO provided an update that they have reviewed in progress projects to confirm whether or not they should be included in the final base case but will perform additional confirmation on a few projects.
 - NYISO will follow up with a determination on inclusion considering pre-existing projects that are now applying for CRIS in the current Class Year.
 - The Matrix was approved by ICS conditional upon completing the committed follow up actions, including confirmation of DMNC values.
- 11) AC Transmission sensitivity – J. Boles**
- The NYISO indicated that this sensitivity would provide limited ‘theoretical’ value while causing confusion in other circles. There were some discussions of performing generic AC improvements in order to quantify the value of relieving congestion on key interfaces (for example UPNY/SENY).
 - NYISO recommends taking issues back up again in a generic manner rather than specific examples, particularly with respect to potential transmission topology changes.
- 12) Additional Agenda Items – N. Gilbraith**
- Industrial curtailment discussion was revisited. Last year’s Assumptions Matrix included about 200MW of voluntary industrial curtailments (voluntary load relief). This year incorporated 250 MW. It was uncertain whether the increase was from an additional TO or more added from LIPA.

Next Meeting

Meeting #239 –Wednesday November 4th, 2020, 10 am – Telephone Conference