

Draft Minutes

**New York State Reliability Council - Installed Capacity Subcommittee (ICS)  
Meeting #245 – March 30<sup>th</sup>, 2021  
Telephone Conference**

**Attendees**

**Present    Phone**

**Members / Alternates:**

Brian Shanahan (National Grid <b>ICS Chair</b> .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Paul Didsayabutra (NYSEG/RG&E) <b>ICS Vice Chair / Secretary</b> .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rich Wright (CHG&E) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ruby Chan (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"/>
Mike Mager (Couch White – Large Consumers) .....	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>
Clay Burns (National Grid).....	<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"/>
Richard Brophy (NYSEG/RG&E).....	<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 type="checkbox"/>
Rich Bolbrock (Unaffiliated Member) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Advisers/Non-member Participants:**

Dan Jerke (CPV) .....	<input type="checkbox"/>	<input type="checkbox"/>
Jack DiOdoardo (CHG&E) .....	<input type="checkbox"/>	<input type="checkbox"/>
John Adams (Consultant) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ricardo Galarza (PSM Consulting) .....	<input type="checkbox"/>	<input type="checkbox"/>
Scott Leuthauser (HQUS) .....	<input type="checkbox"/>	<input type="checkbox"/>
Alan Ackerman (CES).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chris Gloria (Con Edison) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Karl Hofer (Con Edison).....	<input type="checkbox"/>	<input type="checkbox"/>

Nelson Eng (Con Edison) .....	<input type="checkbox"/>	<input type="checkbox"/>
Norman Mah (Con Ed Energy) .....	<input type="checkbox"/>	<input type="checkbox"/>
Greg Drake (Consultant) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Jonathon Newton (Direct Energy) .....	<input type="checkbox"/>	<input type="checkbox"/>
Kenneth Galarneau (Direct Energy) .....	<input type="checkbox"/>	<input type="checkbox"/>
Adam Evans (DPS) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Richard Quimby (DPS).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Liam Baker (Eastern Generation) .....	<input type="checkbox"/>	<input type="checkbox"/>
Brian Krall (East Coast Power & Gas) .....	<input type="checkbox"/>	<input type="checkbox"/>
Matt Cinadr (E Cubed) .....	<input type="checkbox"/>	<input type="checkbox"/>
Eduardo Ibanez (GE) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Matthieu Plante (HQ) .....	<input type="checkbox"/>	<input type="checkbox"/>
Matthew Schwall (IPPNY) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Jim D'Andrea (LS Power).....	<input type="checkbox"/>	<input type="checkbox"/>
Amanda Moyott (NYISO) .....	<input type="checkbox"/>	<input type="checkbox"/>
Ben O'Rourke (NYISO) .....	<input type="checkbox"/>	<input type="checkbox"/>
Carl Patka (NYISO).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Charles Alonge (NYISO) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
David Allen (NYISO).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Frank Ciani (NYISO) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Josh Boles (NYISO) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Kevin Osse (NYISO).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Laura Popa (NYISO) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Max Schuler (NYISO) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mike Welch (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>
Nate Gilbraith (NYISO) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Norman Mah (NYISO).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ryan Carlson (NYISO) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ying Guo (NYISO) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Yvonne Huang (NYISO) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Zack Smith (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>
Dan Mahoney (NYPA) .....	<input type="checkbox"/>	<input type="checkbox"/>

Jim Kane (NYPA) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Patti Caletka (NYSEG/RG&E) .....	<input type="checkbox"/>	<input type="checkbox"/>
Chris Hall (NYSERDA).....	<input type="checkbox"/>	<input type="checkbox"/>
Erin Hogan (UIU) .....	<input type="checkbox"/>	<input type="checkbox"/>
Andrea Calo (CES-LTD) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Randy Monica (Unknown) .....	<input type="checkbox"/>	<input type="checkbox"/>
Chris LaRoe (Unknown) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Craig Bury (Unknown).....	<input type="checkbox"/>	<input type="checkbox"/>
Jie Chen (Unknown) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Julia Popova (Unknown) .....	<input type="checkbox"/>	<input type="checkbox"/>
Robert German (Unknown) .....	<input type="checkbox"/>	<input type="checkbox"/>
Sadhana Shrestha (Unknown) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Zachary Hutchins (Unknown) .....	<input type="checkbox"/>	<input type="checkbox"/>
Mitch Bringolf .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Zahid Qayyum .....	<input type="checkbox"/>	<input type="checkbox"/>

## **1. Roll Call**

- Roll call was conducted.

## **2. Introduction and Request for Additional Agenda Items**

- Chair Brian Shanahan called the NYSRC ICS meeting to order at 10:00 A.M. on March 30, 2021.
- A question regarding whether the ICS should have a mission statement. Mr. Shanahan responded that this could be considered later in this meeting (see item 8).
- The issue regarding how a TSL can be implemented was discussed. A decision was made that a meeting will be proposed in the next 2 weeks to discuss this issue. The topics to be included in this discussion include the IRM, LCR, TSL methodologies and others. Mr. Drake volunteered to put the questions together.

## **3. Approval of Minutes for Meeting #244 – B. Shanahan**

- The Meeting Minutes for Meeting #244 was approved.

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

- Mr. Shanahan walked through the action item list.
- No major change for items #197-1, #220-1, and 233-1. However, Items #242-1 and #244-1 will be presented today.

## **5. Update to the 2022 Preliminary Case Assumptions Matrix – K. Osse**

- Mr. Gilbraith informed the ICS the NYISO will use the latest GADs (resource) data to calculate the EFORD. This work is almost complete, and it is on track. In addition, he does not expect any major changes from the past.
- Mr. Gilbraith also indicated that if the NYISO anticipates any delay in the data gathering effort, the ICS will be notified. In addition, due to the confidentiality issue, any major EFORD changes will be reported in the average format, not by individual unit.
- Like the potential delay, the NYISO will notify the ICS if it observes other potential issues such as bad data.
- Mr. Younger inquired about the status of cable outage data. Mr. Gilbraith responded that the information is being collected by TOs. ConEd also indicated that they have received a request and will provide the data to the NYISO by the end of April. It is unclear how long it will take for the NYISO to incorporate the data to the IRM base case.
- Mr. Gilbraith and Mr. Ibanez (GE) provided the update regarding MARS software features. Mr. Ibanez presented the software enhancements for ELR modeling. He also indicated that GE will issue a new software release this year and recommend the users to use the new release rather than updating the software using the patches that are issued monthly.
- Mr. Drake reminded the group the ICS schedule indicates the approval of new software features should be completed in May and inquire how the new feature could impact the study efforts. Mr. Ibanez responded that the current version should be considered sufficient for the study.
- Mr. Cordi asked if the schedule will allow enough validation to be done to detect and fix potential bugs. Mr. Gilbraith responded the current timeline may be too tight for the validation to be done. Mr. Drake suggested that if the NYISO can provide the information that which functions have not been tested, that should be acceptable.

## **6. Update to the 2022 Preliminary Case Assumptions Matrix – K. Osse**

- Mr. Osse informed the ICS that the only key change in the assumption matrix is the Estimated IRM impacts. However, there is no information regarding this assumption in the current assumptions document as seen from the entire column in is left blank.
- There were some clarifications regarding item #31 in the document (AC Cable Forced Outage Rates). Mr. Osse responded that this will be the data that will be used in the model. The group also decided to change the title of this column to “Expected Availability Date”.

## **7. White Paper Progress Updates – B. Shanahan**

- LFU Phase I White Paper presentation: Mr. Alonge presented the Phase 1 study results of the Load Forecast Uncertainty (LFY) Modeling study. This presentation will be given at the Load Forecast Taskforce as well and it focuses on the following major topics
  - Background – LFU Modeling Approach
  - Temperature/Humidity Indices used in LFU modeling
  - Long-Term Historical Weather Distributions
  - Coincident vs. Non-Coincident LFU Results and Trends
  - Inter-annual Trends in System Load and Weather
  - Recommendation that ICS adopt modified bin structures to better account for the probability of extreme weather occurring. This is expected to lower LFU slightly.
  - Recommendations for Future Work (Phase 2)
- Additional High Renewable Phase II Results: Mr. Ciani presented the background, key resource assumptions, and the preliminary results from this study to the ICS.
  - Mr. Younger raised some questions about the assumptions of the transmission constraints and the utilization of TAN 45 curve. Mr. Ciani will double-check and provide the updates.
  - There were some recommendations for the NYISO to simulate the extreme points. The NYISO will look into this scenario and provide some update. The NYISO will also come back to the next ICS meeting with the URM values and will also try to provide the update regarding the whitepaper.
- Proposed mechanism to implement a TSL in the IRM Tan4 process: This topic will be discussed in the interim ICS meeting that will be arranged.
- Updated ELR results: Mr. Ibanez gave a presentation that outlined the objective of this exercise as well as the status of the testing.

## **8. First ICS annual report – G. Drake**

- Mr. Drake walked through the outlines and key components of the draft annual report. Generally, the document lists the major works conducted by the ICS in 2020. The last section also includes the future works that are being discussed by the ICS.
- Mr. Drake asked for the feedback from the group regarding the next step. Mr. Younger pointed out that the list of whitepapers in this draft document is longer than the whitepapers that are being worked on right now. Mr. Drake believes there are some duplications and the document

will be revised and sent to the group for comment. The proposed ICS mission statement will also be included in the next revision.

- It was agreed that the group will continue to review this document and discuss about this document again in the next meeting.

#### **9. Procedure in Handling Market Sensitive – B. Shanahan**

- Mr. Shanahan informed the ICS that the documents posted by ICS are subjected to the policy 1. In addition, policies 2-6 has been approved and the ICS has to abide by them.
- These policies are related to how to manage the market sensitive information. They will be available on the NYSRC website.
- Due to the concerns about market sensitive information, the documents that are related to the establishments of the IRM and LCR shall be posted on the NYSRC website prior to distributed to the ICS members.

#### **10 Additional Agenda Items**

- No

#### **Next Meeting**

**Meeting #246 – Wednesday May 5<sup>th</sup>, 2021, 10 am – Telephone Conference**