

Final Minutes

**New York State Reliability Council - Installed Capacity Subcommittee (ICS)
Meeting #242 – January 6th, 2021
Telephone Conference**

Attendees

Present Phone

Members / Alternates:

Brian Shanahan (National Grid ICS Chair	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Paul Didsayabutra (NYSEG/RGE) ICS Vice Chair / Secretary	<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"/>
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 type="checkbox"/>
Jim D’Andrea (LS Power).....	<input type="checkbox"/>	<input checked="" 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"/>
Norman Mah (Con Ed Energy)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Matt Cinadr (E Cubed)	<input type="checkbox"/>	<input type="checkbox"/>
Chris Gloria (ConEd).....	<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 type="checkbox"/>
Dan Jerke (CPV)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Karl Hofer (Con Edison).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mike Welch (NYISO).....	<input type="checkbox"/>	<input 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 type="checkbox"/>
Zack Smith (NYISO).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Amanda Moyott (NYISO)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Charles Alonge (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Chris LaRoe (Unknown)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Matthieu Plante (HQ)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Patti Caletka (Unknown)	<input type="checkbox"/>	<input type="checkbox"/>
Laura Popa (NYISO)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Max Schuler (NYISO)	<input type="checkbox"/>	<input type="checkbox"/>
Zachary Hutchins (Unknown)	<input type="checkbox"/>	<input type="checkbox"/>
Jie Chen (Unknown)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Robert German (Unknown)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Nelson Eng (ConEd)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ben O'Rourke (NYISO)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- 1) **Roll Call – B. Shanahan**
 - Roll call was conducted.
- 2) **Introduction and Request for Additional Agenda Items – B. Shanahan**
 - Chair Brian Shanahan called the NYSRC ICS meeting to order at 10:00 A.M. on January 6th, 2021.
 - No additional agenda item was suggested.
- 3) **Approval of Minutes for Meeting #241 – B. Shanahan**
 - The Meeting #241 Minutes was approved with minor comments and modifications (corrected a wrong date and minor typos).
- 4) **Review of Action Items List – [redacted] – B. Shanahan**
 - Mr. Shanahan reviewed the action items. It was determined that items 228-1 and 231-1 have been completed. The works to complete items 254 and 233-1 are in progress. More updates will be provided in the future meetings.
- 5) **Review of 2021 ICS meeting schedule – [redacted] – B. Shanahan**
 - All meetings for 2021 have been scheduled and will be conducted on WebEx.
 - Changes can be made to these scheduled meetings, if needed.
 - All meeting invites have been sent to the participants in the list.
 - Mr. Shanahan indicated he has updated the roster and will send it to the group.
 - Mr. Drake requested a link to the meeting page to be added in the agenda. Mr. Shanahan indicated he will look in it.
- 6) **Draft Milestone schedule – [redacted] – G. Drake**
 - Mr. Drake provided the update of the major 2021 IRM study milestones. There were also several minor changes to the milestones from the current version such as including TO's input on transmission representations. Mr. Drake will update the milestones and send the revised document to Mr. Shanahan.
- 7) **Discussion of 2021 Preliminary Case Assumptions Matrix – K. Osse**
 - Mr. Osse updated the group that the assumption matrix is still being developed and will be presented in the future meeting. He also pointed out that majority of the assumptions will come from the gold book.
 - Several members include Mr. Osse, Mr. Cordi, Mr. Younger, and Mr. Mager, recommended that the changes in the assumptions should be included and highlighted in the matrix. Mr Osse agreed to include such information in the matrix and will provide the update in the next ICS meeting.
- 8) **NYISO LCR Study Update – N. Gilbraith**
 - Mr. Gilbraith indicated that the NYISO is in the process of completing the LCR study and will present the study results in the next ICAP meeting on January 12 and OC meeting on January 14. The results will be posted on the NYISO website.
 - Several members also raised some questions regarding the LCR study. These questions included the issues around how the limits were secured, preliminary reduction in Long Island

LCR, Changes in load forecast and other factors that could impact the results. Mr, Gilbraith have provided the answers for all the questions.

9) White paper topics – prioritize the list – B. Shanahan

- Mr. Shanahan reviewed the Ranking of the topics for the 2021-22 IRM Study Cycle based on the feedback that was received from the members. The goal of this discussion is to determine the topics for the upcoming whitepapers.
- It was determined that four (4) topics should be selected as high priority.
- NYPA indicated they have provided the feedback in the reserved order. Mr. Shanahan has corrected the ranking.
- The members have extensively discussed this issue. Several aspects such as directive from the EC, status/progress of ongoing works such as the High Renewable Phase II Study, coordination with other groups that provide data to the ICS, the immediate needs of some topics were discussed. The conclusions and actions from the discussion are summarized below:
 - Study the use of the optimizer to set all capacity requirements: This task is considered as high priority since it is part of the EC's directive. However, more clarifications regarding the scope from EC is needed.
 - Modeling Energy Limiting Resources (ELRs) and Modeling of Duration limits for SCRs. The group considered this topic as high priority but there are technical issues that can complicate the study. Mr. Gilbraith will reach out to GE to determine if future software improvements could accommodate this work.
 - High Renewables Phase II: Several members pointed out that this work is underway, but the entire scope is unclear. More clarifications regarding the expectation for this work from EC is needed.
 - LFU/Load Shape Selection: There were some concerns about the capability of the models to handle higher penetration of renewable such as solar. The group decided to start from better understanding the current practice and modeling technique by requesting a presentation from Mr. Alonge, et. al. In addition, an action item was also assigned to Mr. Drake and Mr. Adam to discuss with external experts for the possibility to better address this issue.
 - Simplified External Model Phase II: The group agreed that this topic has lower priority and potentially will be deferred. A request for more information (presentation) regarding the external model calculation from the NYISO is also being considered.
- Mr. Shanahan will revise and resend out the white paper list.

10) Additional Agenda Items –

- A member reported that there is interest in answering the question about the cause of the increases in EOP number of calls.

Next Meeting

Meeting #243 –Tuesday February 3rd, 2020, 10 am – Telephone Conference