Draft Minutes

New York State Reliability Council - Installed Capacity Subcommittee (ICS) Meeting #278 – June 28th, 2023 Microsoft Teams

Attendees	Present	Phone
Members / Alternates:		
Brian Shanahan (National Grid) ICS Chair	⊠	
Noor leghari (NYSEG/RG&E)		
Rich Bolbrock (Unaffiliated)		
Clay Burns (National Grid)	⊠	
Sanderson Chery (Con Edison)	⊠	
John Dellatto (PSEG LI)	⊠	
Ayman Elkasrawy (NYSEG/RG&E)	⊠	
Jim Kane (NYPA)	⊠	
Howard Kosel (Con Edison)	⊠	
Mike Mager (MI)	⊠	
Chris Wentlent (MEUA)	⊠	
Rich Wright (CHG&E)	⊠	
Mark Younger (Hudson Economics)	⊠	
Advisers/Non-member Participants:		
Alan Ackerman (CES)	⊠	
John Adams (ICS Consultant)	⊠	
David Allen (NYISO)		
Leen Almadani (CHG&E)		
Josh Boles (NYISO)		
Andrea Calo (CES)		
Ryan Carlson (NYISO)		
Jie Chen (Potomac)	⊠	
Grant Flagler (Con Ed Energy)	⊠	
Kenneth Galarneau (Rise Light & Power)	⊠	
Ricardo Galarza (PSM Consulting)	⊠	
Chris Hall (NYSERDA)	⊠	
Karl Hofer (Con Edison)		

Erin Hogan (DOS)	
Yvonne Huang (NYISO)	
Gary Jordon (ICS Consultant)	
Tim Lundin (LS Power)	
Anand Chandrashekaran (NYISO)	
Otito Onwuzurike (NYISO)	
Julia Popova (NRG)	
Richard Quimby (DPS)	
Monica Jr., Randy (DPS)	
Josif Figueroa (NYISO)	
Pallas LeeVanSchaick (Potomac)	
Ben O'Rourke (NYISO)	
Michael Swider (NYISO)	
Sushil Silwal (NYISO)	
Lucas Carr (NYISO)	
Mikaela Lucas (NYISO)	
Benjamin Cohen (NYISO)	
Madeline Mohrman (NYISO)	
Shashwat Tripathi (NYISO)	
Dylan Zhang (NYISO)	
Dylan Zhang (NYISO)	
Mike Cadwalader	
Mike Cadwalader William Gunther (Con Edison)	
Mike Cadwalader William Gunther (Con Edison) Thomas primrose (PSEG LI)	
Mike Cadwalader William Gunther (Con Edison) Thomas primrose (PSEG LI) Harry Fox (NYISO)	
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1. Roll Call – N. Leghari

• Roll call was conducted.

2. Introduction and Request for Additional Agenda Items - B. Shanahan

- Yvonne introduces Harry and Bianca.
- No additional Agenda items

3. Approval of Minutes for Meeting #277 – B. Shanahan

• Minutes approved.

4. Review of Action Items List – B. Shanahan

- Actions Items: No changes.
- Current White Paper Topics: Ongoing. No changes.
- Model Improvement Future work: EOP activations
 - To Keep this item here
- Model Improvement Future work: Maintenance Scheduling
 - This item should be kept on. Especially with Changes in system that may introduce higher loading to winter when maintenance is scheduled along with shoulder season, this work becomes more significant.
- Model Improvement Future work: Uniform vs Dynamic load Forecast uncertainty Factors
 - Completed. Presentation being discussed.
 - LCR optimizer project is being discussed at the ICAP working group. The proposal to soothe out the cost curve to minimize fluctuation. There is a consumer impact analysis that is proposed.
- Future White Paper/Study Topics: No changes.

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

• Brian updated EC on whitepaper discussions. No actions required.

6. Approval of IRM PBC Assumptions Matrix- M. Lucas

- NYISO received updated information on the anticipated retirement date.
- Updated ELR elections are expected in August 2023 for inclusion in the final base case.
- Special case resources item was updated to reflect preliminary SCRs in July for inclusion final base case.
- Attachment A2 was updated capturing the 2024 NYCA summer load forecast model.
- Attachment A3 captures the 2024 NYCA winter load forecast model.
- Attachment D captures EOP items. Item #1 represents the SCR preliminary numbers.
- Attachment E1 there has been an update to the IRM topology.
- Attachment E4 captures the five year average cable outage rate.
- Attachment F captures the SCR preliminary values.
- Attachment G: Change in Copenhagen Wind.

6.1 Topology Update – Y. Huang

• Minor changes to the transfer limits between Zone K and the rest of the system. Assumption changes in the underlying load level.

6.2 Preliminary SCR Value—S. Tripathi

- NYISO calculates SCR zonal performance factors for IRM studies based on historical SCR data and then applying adjustment factors.
- There are additional inputs since 2023 IRM studies.

6.3 Discussion on Capacity Limited Resources - Y. Huang

- Ongoing discussion in the ICAP working group to address the capacity limited resources issues with MW.
- For reliability concern, CLR units were reviewed by NYISO with Gary and John.

• No assumptions change intended for these units in this year IRM study. Information on potential impact to be brought to the ICS.

7. Review of Updated Parametric Results- M. Lucas

- Since the last ICS meeting, the updated material items include BTM solar load shape adjustment and load forecast uncertainty.
- For Non-material items, internal topology update was added in item #5.
- Preliminary SCRs update has no impact on IRM.
- There were miscellaneous data corrections findings.
 - M. Younger: There is a big divergence between what comes out of the LCR process and what comes out of the Tan45 process.
- The LCR optimizer is a tool that NYISO deployed to calculate LCRs with input everybody agreed on including approved IRM and the cost curve.

8. Initial Sensitivity Case List - L. Carr

- No change to Case 0, 1, 2, &3.
- Case 4 divided into: Case 4a (A-F shifting) and Case 4b (A-k Shifting) including both land-based and off-shore wind.
- No change to case 5.
- Two special sensitivities discussed last meeting were added.
- Case 6: Emergency Assistance (EA) Impact that Shows impact of modifying EA from neighboring areas modeled during the Emergency Operating Procedures (Tan45). Modelling aligns with the recommendations made in the whitepaper.
- On top of case 6, a basic winter constraints case (7) will be run to show the impact to reliability when winter capacity is reduced.
- Discussion on how to run the sensitivity.
- Additional suggestions to be sent before next meeting.

9. Interim EOP Whitepaper Discussion Continuation - Y. Huang

- Previous month discussion., three perspectives were looked at:
 - 1. How all the assumptions play out in the simulation.
 - 2. Operation experience with neighbors.
 - 3. Look at other regions' experience.
- Current assumptions are too optimistic. Consider some limitations moving forward.

• External Area Model:

- Gathered information from PJM. Data showing large amount of surplus. Significant adjustment for compliance with Policy 5.

Modelling consideration options:

- 1. Get better data
- 2. Increase targeted LOLE during Policy 5 adjustments
- 3. Getting in the EOPs issues during Policy 5 adjustments.
- 4. Adding limitations from topology modelling.

Factors to screen these options:

- 1. Feasibility,
- 2. Seasonality,
- 3. Different Bin assumptions,
- 4. Goal of Policy 5,
- 5. Do we have a justifiable model, or can we repeat the analysis?

- Drawbacks of considerations (options) 1-3 were discussed.
- Option 4 which is adding limitation on transfer capabilities seems to be the way forward.

Historical Data Analysis

- As discussed at the last meeting, NYISO need to perform review of the data, look historically at the level of extra reserve.
- Correlate Data of external jurisdictions to NYCA load at the same timeframes.
- NYISO to present analysis with historical data on next meeting.

Regional Future conditions

- Reliability Assessment shows low operating margins in Ontario and New England for summer 2023
- Neighboring jurisdictions especially IESO and ISO-NE are pretty tight.

• Winter Consideration

- Winter is generally less constrained.
- Margins in New England and Quebec are low.
- PJM's reliability risk shifted to Winter.
- Ontario shifting to winter peaking on 2030s.

Advancing EA consideration

- NYISO aims to develop a more conservative EA modeling or limit EOPs in the revised modelling.
- Advancing EA prior to EOPs improves the ELR functionality.
- NYISO recommends not to consider advancing EA prior to EOPs in the IRM model under this whitepaper.

Next Steps

- Bring analysis with historical data for neighboring jurisdictions and test cases in the next meeting.
- NYISO aims to provide initial recommendation for revised EA modelling next meeting.
- Detailed version of report to be available by the end of August.
- Brian to coordinate presentation to EC.

10. Update on non-participating units - R. Carlson

- In Attachment G1 in assumptions matrix, table representing wind units not currently participating in the ICAP market. Takeaways on why these units were not selling their capacity to New York. After survey, the units were found to be participating in ISO-NE market that have obligations through forward capacity market auction.
- According to change in rules, participants in ISO-NE market can provide (RAS?) to New England while selling ICAP capacity to new York.
- Only Roaring Brook, Fenner and Cassadaga have crests. Copenhagen lost their crest.

11. Additional Agenda Items

• No additional Agenda items.

Next Meeting

Meeting #279 – Wednesday, August 2nd, 2023, 10 am – KCC