

Meeting Minutes

**New York State Reliability Council – Extreme Weather Working Group (EWWG)
Meeting # 7 – June 30, 2023
Zoom**

1. Draft Meeting Minutes for Meeting # 6 – 5/26/2023

- Minutes were approved with little to no changes

2. NYSRC Wind Impacts White Paper – Additional NYISO Comments

- Curt went through the latest draft of the White Paper, specifically highlighting additional comments made by the NYISO ; there were no objections regarding the incorporation of the NYISO language
- Stakeholders made some minor comments regarding certain figures that were difficult to make out due to the color scheme ; no significant commentary beyond this
- Expect to obtain Executive Committee approval on 7/14/2023 for finalization and publication

3. Potential Reliability Rules – 152: System Conditions for Transmission System Planning Performance Requirements Covering Wind and / or Solar Generating Resource Lulls

- Roger Clayton reviewed B.1: Transmission System Planning Performance Requirements, specifically R1.1, which states the following:
 - Credible combinations of system conditions which stress the system shall be modeled, including load forecast, internal NYCA and inter – Area transfers, transmission configurations, active and reactive resources, generation availability, and other dispatch scenarios. All reclosing facilities shall be assumed in service unless it is known that such facilities will be rendered inoperative.
- Proposal is to add R1.2, which is drafted as follows:
 - Credible combinations of system conditions which stress the system for wind and / or solar generating resource lulls shall be defined based upon analysis of historical and predicted hourly off – shore wind, terrestrial wind, solar, and electric demand data in NYCA and contiguous control areas.
- Roger Clayton envisions that the analysis to support R1.2 will be similar to N – 1 – 1 contingency analysis, but in this instance the first N – 1 is the lull condition
- Stakeholder discussion occurred regarding the frequency of the analysis required to support R1.2 ; general consensus is that an annual frequency is likely reasonable
- It will be a number of months until this reaches the level of approval at the Executive Committee, so there will be plenty of time for additional discussion and commentary

4. Resource Adequacy / Transmission Security Modeling

- Should have Transmission Security Modeling covered via the aforementioned Reliability Rule proposal
- The following points were discussed for Resource Adequacy Modeling:
 - Curt mentioned that we should perhaps be considering additional sensitivities in the IRM
 - Following up on Curt's suggestion, Gary Jordan mentioned a sensitivity that was added to the IRM this year, which involves no terrestrial wind and no off – shore wind output ; this is in addition to the long standing sensitivity to no terrestrial wind output
 - Following up on Curt's suggestion, Mark Younger mentioned that the five year dataset in the IRM might not be encompassing enough for the sensitivities that we are interested in to be valid ; Mark Younger also mentioned that the frequency and magnitude of offshore wind lull events appears to be enough of a concern to warrant inclusion in the base case

5. FERC Final Report on Winter Storm Elliot

- Core issues during Elliot were similar to the issues encountered during extreme cold weather events in 2011, 2014, 2018, and 2021
- Lessons learned / recommended improvements resulting from Elliot are similar to those that have already been identified in reports related to the extreme cold weather events in 2011, 2014, and 2021
- Takeaway for the NYSRC is that we must be diligent in following through on the implementation of recommendations that are relevant to our operating area

6. ERCOT's Energy Emergency Risk Has Shifted from Late Afternoon to Early Evening

- Stakeholders found it interesting that the model did not consider hours beyond the 1 p.m. – 9 p.m. window ; the magnitude of risk at 8 p.m. and 9 p.m. would seem to suggest that at least 10 p.m. might also have a sizable degree of risk
- A discussion occurred around our own interest in energy emergency risk shifting:
 - We look at energy emergency risk during all hours
 - We haven't had to focus very much on energy emergency risk in the winter, but this will change in due time given expected electrification ; to this point, Ben O'Rourke mentioned that NYISO long – term planning does indeed account for forecasted increases in the load in the winter ; Ben O'Rourke also mentioned the ongoing efforts regarding the evaluation of reduced gas capacity in the winter

7. Other Business

- Max Schuler of the NYISO informed the group about the “Pathways to a Renewable Energy Economy in New York State” conference scheduled for 9/27/2023 – 9/28/2023 at SUNY Albany
- Joanna mentioned FERC issuance of a request for “One – Time Information Reports on Extreme Weather Vulnerability Assessments: Climate Change, Extreme Weather, and Electric System Reliability”
- Curt mentioned that it would be worthwhile to generally keep an eye on the performance of renewable technology

8. Action Items

- Keeping tabs on / awaiting updates on the following:
 - Roger Clayton to present wind lull analysis for each year of the NYISO 2000 – 2021 Offshore Wind dataset, as opposed to presenting wind lull analysis for five year periods of the NYISO 2000 – 2021 Offshore Wind dataset
 - DNV putting together solar and terrestrial wind datasets that will be temporally correlated with the existing offshore wind dataset