

Meeting Minutes

New York State Reliability Council – Extreme Weather Working Group (EWWG) Meeting # 15 – May 31, 2024 Zoom

1. Draft Meeting Minutes for Meeting # 14 – 04/26/2024

- Minutes were approved with little to no changes
- Roger Clayton Provided updates on the following items from the 4/26 meeting:
 - Analysis of specific metrics in support of PRR 153: NYISO will probably not be able to take on analysis in 2024 due to resource constraints. More likely to happen in 2025.
 - Any member of working group can take this analysis on. Initial metric of interest is zonal frequency and duration curves for PV, LBW and OSW. Then analyze correlation of resource lulls from temporal and spatial perspectives.
 - PRR 150 was retired by the EC.
 - PRR153A and 154A were both approved by EC and are being incorporated into rules manual.

2. DNV Analysis on Land Based Wind and Utility Level PV– Jason Frasier / NYISO

- John Dellatto received update from Sarah Carkner that the SRO appendix on renewable profiles will be posted Tuesday 6/4 for an upcoming ESPWG meeting.
- John Dellatto raised question of if starting a whitepaper on the DNV comprehensive data adds value or if the group should wait on insights on the SRO.
 - Roger Clayton suggested analytical screening of data first for scope and level of effort before planning whitepaper. Curt Dahl concurred.
 - Laura Popa elaborated that the RNA target is to show some results in July which will provide further insights, but emphasized that it has strict inclusion rules.

3. Potential Reliability Rule – 153: System Conditions for Transmission System Planning Performance Requirements Covering Wind and / or Solar Generating Resource Lulls– Roger Clayton & Keith Burrell

- Roger Clayton provided the following update:
 - No major progress on PRR 153.
 - Reiterated that PRR 153 is waiting on analysis of PV, LBW, and OSW data.
- Stakeholder discussion occurred about best path forward for adding value to reliability/resource adequacy models.
 - Laura Popa discussed that some wind lulls are inherently already captured in data used in MARS models, and on some current sources of conservatism in the model (limits on emergency assistance, setting outside areas above .1 LOLE criteria)
 - Curt Dahl expressed interest in further improvements in models, using the example of differences in how ISOs model resources in NPCC model (I.E. NYISO/ISONE using uncorrelated profiles for South Fork Wind and Vineyard Wind despite their co-location).

- Gary Jordan expressed that 5 years of shapes is likely sufficient but sensitivity cases should be run to determine what years should make up the 5 year datasets. Also elaborated that more years of data will lead to longer model convergence times.
- Dan Kirk-Davidoff discussed that timing of lulls is important and that a year with a low overall capacity factor may not necessarily be a bad reliability year. Also elaborated on differences in resolution between ERA5 model and DNV dataset.

4. Other Business

- John Dellatto asked Roger Clayton if he has an update on the VOWELS program- Nothing to report at this time, Roger will reach out.
- John Dellatto asked if there is interest to get involved with the Weather Innovation Smart Energy & Resilience (WISER) program-NSF Funded Industry/University partnership.
 - Dan Kirk-Davidoff represents EPRI at WISER, will update EWWG at next meeting.
- John Dellatto raised that NYSERDA had put Sara Pryor from Cornell in contact about her work on periods of low wind output and quantifying intensity and frequency of wind gusts. John will reach out on behalf of EWWG.