

New York State Reliability Council – Extreme Weather Working Group (EWWG)
Meeting # 19 – October 25, 2024
Zoom

1. Draft Meeting Minutes for Meeting # 18 (09/27/2024) –Tom Primrose

- Meeting minutes approved with little to no changes.

2. DNV Shape Data / SRO Appendix E Supplemental Analysis – Tom Primrose

- Tom Primrose walked through expansion on analysis of DNV shape data used to create UPV, LBW, OSW, OSW+LBW+UPV and OSW+LBW profiles based on 2030 SRO state scenario incremental builds.
 - i. More granular durations (4 hour granularity up to 24 hours, 6 hour granularity between 24 and 72 hours) were explored
 1. Lulls of short duration are extremely frequent, but this is partially due to counting back to back short lulls as independent events (I.E. an 24 hour lull is by definition 6 back to back 4 hour lulls)
 - ii. Lulls during Summer (June-September) and Winter (November-February) were broken out from complete annual data
 - iii. Major takeaways: Although resources vary with seasonality, lulls of average capacity factor below 10% are common and lengthy in all (21) years of DNV data across seasons.
 - iv. Tom agreed to explore feasibility of analyzing lulls by time of day
- Roger Clayton suggested that data/analysis could eventually be wrapped into a whitepaper or IEEE paper.
- Stakeholder discussion acknowledged that further analysis of the DNV data or analysis involving load is more suited for MARS than continued work in python/excel.

3. NERC TPL-008-1 – John Dellatto

- Another webinar took place in October, mandate exists to finish standard by December.
- There were significant edits to TPL-008-1, however many of them were limited to re-ordering and re-numbering of individual requirements
- R7 was materially changed to require supporting information for selected contingencies
- Keith Burrell gave the following update:
 - i. Current TPL is substantially more improved in regards to volume and nature of data and coordination required
 - ii. Current draft enables coordination to occur mostly within New York
 - iii. Corrective action plans are required only for baseline cases and only for P1 events
 - iv. NYISO prefers to use own data over NERC provided data which is allowed under recent revisions

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

- Roger Clayton gave the following update:
 - i. A distinction has become apparent between a steady state and a dynamic lull. PRR153 deals with sudden loss of renewables rather than a steady state lull.
 - ii. In 2025 the NYISO will be engaging with a SME to study sudden loss of renewables in support of PRR153.
- Keith Burrell elaborated that this sudden loss of renewables contingency would be set up in a way that it could be applied as an N-1 or part of N-1-1. Goal is to start the work in early 2025 and wrap up in late 2025.
 - i. Will be brought to stakeholders in more detail starting in late 2025.
 - ii. Clarified that the existing language in the Reliability Rules B.1 allows lulls to be captured as part of credible combination of system conditions.
 - 1. Dispatches used in transmission security already assume that we are in a lull

5. Whitepaper Proposal to Installed Capacity Subcommittee – Gary Jordan

- Mark Younger gave the following update:
 - i. ICS is scheduled to take a look at extreme weather but this is more in relation to regional correlated outages of renewable resources.
- John Dellatto to follow up with Gary

6. Other Business

- EWWG to forgo mid-November meeting and have final meeting of 2024 in mid-December (December 13th)