**Meeting Minutes**

**New York State Reliability Council – Extreme Weather Working Group (EWWG)**

**Meeting # 16 – June 28, 2024**

**Zoom**

1. **Draft Meeting Minutes for Meeting # 15 – 05/31/2024**

* Minutes were approved with little to no changes
* Roger Clayton updated that he contacted the VOWELS team and he is the designated NYSRC representative on the advisory committee but they have not met

1. **DNV Shape Data/SRO Appendix E–** Jason Frasier / NYISO

* SRO Appendix E is now posted publicly on the NYISO website
* Ben Cohen gave a walkthrough of Appendix E
  + Capacities used in capacity weighted aggregation of the site-level net capacity factor (NCF) shapes will be posted as part of SRO results package
    - Analysis is reproducible by anyone with this information
    - All information presented in the appendix figures E1-E8 represent the 2030 contract case
  + Possibility for more analysis to be requested as part of a REPS study
  + Significant short and long duration lulls exist in dataset for both onshore wind and offshore wind
    - Solar lulls not considered-The way lulls are defined by this analysis solar lulls only indicate that it gets dark at night
  + NYISO analysis for lulls was undertaken using MATLAB, algorithm will not run in excel
  + NYISO will be providing lull frequencies for 5% and 20% net capacity factors in addition to 10%
  + Mark Younger suggested that lulls of continuous duration below an average capacity factor may be a more insightful metric than lulls of continuous duration below a fixed threshold

1. **WISER Meeting (June 6th & 7th)-** Daniel Kirk-Davidoff

* WISER is currently in the first year of operation-overall goal is to do pre-competitive research
* WISER will address four major Research Thrust Areas
  + Renewable Energy
  + Outage Management
  + Grid Resilience
  + Climate Change
* WISER leverages research alignment with University at Albany and University of Connecticut capabilities
* 7 WISER Research Projects were funded for Phase 1, Year 1
  + Project 2: An Offshore Wind Energy Prediction System from Regional to Wind-farm scale: Assessment of extreme wind scenarios
  + Project 4: Energy Demand Forecast System for Cities
  + Project 6: Northeastern US Outage Dataset and Web Application
  + Project 7: Modeling Fire Weather in New England
  + Project 9: Deep Learning-based Nowcasting of Damaging Winds
  + Project 10: Weather and Impact Modeling for Outage Prediction, Management and Restoration
  + Project 15: Prediction uncertainty in power outages connected to weather forecast lead-time

1. **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:
  + Reiterated that PRR 153 is waiting on analysis of PV, LBW, and OSW data.
  + New version (version 47) of reliability rules and compliance manual for NYSRC will be posted soon
    - Includes PRR151, PRR153A, PRR154A

1. **Other Business**

* Next step on SRO appendix is for EWWG to scope out what we want to get done