

## 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

#### **2. 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
    - A lull analysis of solar alone was not included because at the net capacity factor threshold of the study (10%), the results largely indicate the darkness of night
    - However, potential daytime solar lulls, or in this instance the lack of daytime solar lulls given the results, were included in combination with onshore and offshore wind lulls in the analysis for figure E-8
  - 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

#### **3. WISER Meeting (June 6<sup>th</sup> & 7<sup>th</sup>)- 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

**4. 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

**5. Other Business**

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