

## Meeting Minutes

### **New York State Reliability Council – Extreme Weather Working Group (EWWG) Meeting # 6 – May 26, 2023 Zoom**

#### **1. Draft Meeting Minutes for Meeting # 5 – 4/28/2023**

- Minutes were approved, but there were two minor follow – up questions:
  - Will the solar data that DNV is putting together for the NYISO be irradiance data that must be converted to power outputs (i.e. technology agnostic data) or will the data be power outputs for different technology types (fixed axis, single axis tracking, dual axis tracking, etc.) ; NYISO will address this as part of the work with DNV
  - What are the calculations / what is the reasoning behind the renewable outputs utilized in power flow modelling ; NYISO referred stakeholders to ESPWG meeting material for the statistical analysis behind the renewable outputs utilized in power flow modelling

#### **2. NYISO Offshore Wind Data 2000 – 2021 from ICAP WG Meeting**

- Roger Clayton will present the wind lull analysis for each year of the dataset, as opposed to presenting the wind lull analysis for five year periods
- Daniel Kirk – Davidoff will pull solar and land – based wind data for the period of 12/19/2014 – 12/22/2014 ; this period is identified as being of interest for off – shore wind lull purposes in the Wind Impacts White Paper
- Stakeholder comment questioning if wind lull events should be defined probabilistically as opposed to being defined by particular capacity factors
- Stakeholder comment noting that for comparison purposes wind lull capacity factors must be evaluated against monthly wind capacity factors (i.e. “good” wind performance is not equivalent to the approximately 95 % availability that we would expect from a combined cycle unit)

##### **2.1 NYSRC Wind Impacts White Paper – Page Turn Review**

- Curt Dahl incorporated edits and additions in real – time, so only substantial items are captured for the purpose of note – taking ; refer to the final draft for comprehensive tracking of changes
- Joanna Weissman will research PJM’s and ISO New England’s renewable goals
- Roger Caiazza will work on a section regarding long term resiliency planning

## **2.2 Resource Adequacy / Transmission Security Modelling**

- For resource adequacy purposes, off – shore wind shapes utilized in the MARS model can be synthetically developed to include lull events; these lull events can even be modelled to be more severe than historically experienced lull events
- For transmission security modelling, the characteristics of off – shore wind turbines must be well known (ability to withstand hurricanes, ability to operate under extremely hot or extremely cold temperature conditions, etc.)

## **2.3 Potential Reliability Rules**

- Stakeholder question regarding whether or not this issue should be left to local transmission owners ; given the seemingly common occurrence of wind lull events, reliability rules covering such events likely should not be relegated to local transmission owner rules and standards
- Some high level assessment via the MARS model, perhaps a sensitivity analysis, seems like a reasonable requirement

## **3. Other Business**

- No other business suggested

## **4. Action Items**

### **4.1 NYISO Offshore Wind Data 2000 – 2021 from ICAP WG Meeting**

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- Daniel Kirk – Davidoff will pull solar and land – based wind data for the period of 12/19/2014 – 12/22/2014 ; this period is identified as being of interest for off – shore wind lull purposes in the Wind Impacts White Paper

### **4.2 NYSRC Wind Impacts White Paper**

- Curt Dahl will continue to coordinate and work to finalize the draft