

## Meeting Minutes

### **New York State Reliability Council – Extreme Weather Working Group (EWWG) Meeting # 9 – September 29, 2023 Zoom**

#### **1. Draft Meeting Minutes for Meeting # 8 – 7/28/2023**

- Minutes were approved with little to no changes

#### **2. DNV Hourly Data – Status Update**

- Jason Frasier reported the following information:
  - NYISO is currently incorporating the data into the System & Resource Outlook
  - The data is only being used for NY, and is not being applied to outside areas
  - The economic model has shape data for ISO – NE, and ISO – NE utilizes the same vendor
  - ISO – NE is actively working towards submitting historical shape data for the NPCC reliability model
  - There will be appendices in the System & Resource Outlook providing an overview of the data; comments and suggestions from this working group would be welcome when the draft appendices become available
  - Looking at late October / early November for discussion of the data at an ESPWG / TPAS meeting
  - Distribution of the data is currently planned to be in the form of large excel files

#### **3. NYSRC Wind Impacts White Paper – Circulation Status**

- Curt Dahl reported that the paper was circulated beyond NY stakeholders to PJM and ISO – NE
- Curt Dahl noted that we have not received any comments back from PJM or ISO – NE yet

#### **4. Potential Reliability Rule – 152: System Conditions for Transmission System Planning Performance Requirements Covering Wind and / or Solar Generating Resource Lulls**

- Roger Clayton informed stakeholders of the following:
  - There are currently extreme contingencies that cover the sudden loss of fuel to multiple generating sites, but these contingencies are not design contingencies
  - It might be reasonable to add wind and solar production lulls as “loss of fuel” contingencies, and elevate these events to design contingencies
  - It will be critical to properly define what constitutes a credible representation of a production lull across multiple wind and / or multiple solar sites

## 5. Winter Reliability & Extreme Weather – NYISO Fuel and Energy Security Study

- John Stevenson took stakeholders through the presentation; some of the highlights were the following:
  - Purpose was to assess winter fuel / energy security for the NYISO over a 17 – day cold weather period under intentionally challenging conditions that stress the resilience of the system
  - Modeled “cases” were constructed to include a “scenario” and a “disruption,” varying expectations about potential conditions and events during the modeled cold weather conditions
  - Themes applicable to the three winters studied (2023 – 2024, 2026 – 2027, and 2030 – 2031):
    - Reduced energy available from non – firm generation (gas only w/o firm transportation contracts) during cold weather / greater firm gas demand stresses utilization of resources with limited stored fuel / energy (dual fuel and oil only)
    - Scenarios with net positive energy imports (Scenarios 1, 3, 5, and 7) help decrease the severity of potential loss of load events
    - Higher starting oil inventory helps alleviate emergency actions and potential loss of load events relative to scenarios with historical starting oil inventory
    - The addition of offshore wind production in NYC and Long Island provides reliability support, however, wind lull become a critical winter reliability consideration as the resource mix evolves
  - Final report expected to be posted in early October
- Mark Younger raised a concern regarding the model utilizing stored oil to support exports to ISO – NE, and then running into reliability issues which could have been addressed had the stored oil not been used in the aforementioned manner; stakeholders agreed that managing oil burn operationally can go a long way in maintaining winter reliability
- There was a stakeholder question regarding rotating black – outs in order to manage the scenarios in which there were a relatively large number of hours with loss of load; John Stevenson indicated that this idea was not considered in the analysis
- There was a stakeholder question regarding the performance of an analysis of these scenarios in the MARS model; NYISO indicated that the scenarios cannot necessarily be analyzed one – for – one in the MARS model, but that the scenarios and their corresponding results would certainly be utilized to inform future MARS analysis

## 6. Department of Energy 2023 OSW Report

- The following information from the Department of Energy Offshore Wind Market Report: 2023 Edition was brought to stakeholder attention:

- Cumulative OSW capacity classified as “installed, under construction, approved, or permitting” across NY, NJ, RI, and MA is:
  - 2024 = 962 MW
  - 2025 = 2,062 MW
  - 2026 = 4,506 MW
  - 2027 = 9,308 MW
  - 2028 = 11,260 MW
  - 2029 = 12,890 MW
- Cumulative OSW capacity classified as “installed, under construction, approved, or permitting” for NY only is:
  - 2024 = 132 MW
  - 2025 = 132 MW
  - 2026 = 1,872 MW
  - 2027 = 3,132 MW
  - 2028 = 3,132 MW
  - 2029 = 4,362 MW
- There was some minor discussion amongst stakeholders regarding the disputes that routinely occur regarding estimated in – service dates; a key point of this discussion was that we must be conscious of the differences between the NPCC short – term and long – term reliability databases

## **7. Climate Change Vulnerability Studies**

- Curt Dahl circulated the “Climate Change Vulnerability Study” reports from Orange & Rockland, NYSEG and RG&E, Central Hudson, Con Edison, and National Grid
- Curt Dahl noted that a review and discussion of the various studies would be a good agenda item for the next EWWG meeting

## **8. Other Business**

- Roger Caiazza inquired with the group regarding attendance of the “Pathways to a Renewable Energy Economy in New York State” conference that occurred from 9/27/2023 – 9/28/2023 at SUNY Albany
  - Several stakeholders noted that they did indeed attend the conference
  - Curt Dahl noted that the conference was recorded, and that he would circulate a link to the recording when it becomes available

## **9. Action Items**

- No action items