

***Meeting of the  
New York State Reliability Council, L.L.C. (NYSRC)  
Reliability Rules Subcommittee (RRS)***

***Minutes of RRS Meeting #281  
Thursday, October 5, 2023***

**RRS Members and Alternatives:**

|                   |               |                      |
|-------------------|---------------|----------------------|
| Roger Clayton     | EPR, LLC      | Member/Chairman      |
| Saud Amin         | CONED         | Alt Member           |
| Damian Interrante | CHGE          | Member               |
| Michael Ridolfino | CHGE          | Alt Member           |
| Brian Shanahan    | National Grid | Member               |
| Mohammed Hossain  | NYPA          | Member               |
| Frank Grimaldi    | NYPA          | Alt Member/Secretary |
| Robert Eisenhuth  | PSEGLI        | Member               |
| Rahul Pandit      | PSEGLI        | Alt Member           |

**RRS Non-Voting Participants:**

|                |            |
|----------------|------------|
| Paul Gioia     | Counsel    |
| Wesley Yoemans | Consultant |

**Guests:**

|                  |  |
|------------------|--|
| Jim Grant        | NYISO                                  |
| Keith Burrell    | NYISO                                  |
| Chris Sharp      | NYISO                                  |
| Prasad Shinde    | NYISO                                  |
| Bruno Leonardi   | NYISO                                  |
| Curt Dahl        | PSEGLI                                 |
| Dan Head         | CONED                                  |
| Divya Kurthakoti | Orsted                                 |
| Eric Wilkinson   | Orsted                                 |
| Humayun Kabir    | NYS DPS                                |
| Katherine Smith  | AES                                    |
| Sing Tay         | AES                                    |
| Reigh Walling    | Walling Energy Systems Consulting, LLC |
| Nestor Vega      | Invenergy                              |
| Glenn Haake      | Invenergy                              |
| Ramya Nagarajan  | LS Power                               |
| Shuying Zhen     | GE                                     |
| Phil Thomas      | Unknown Affiliation                    |

## **Agenda Items**

### **1.0 Introduction**

Meeting 281 was called to order by Roger Clayton at 10:00.

#### **1.1 Executive Session**

None.

#### **1.2 Requests for Additional Agenda Items**

- BPS Designation and Compliance
- Double Circuit Tower Criteria – NPCC vs NERC

### **2.0 Approval of Meeting Minutes/Action Items**

#### **2.1 RRS 280 Approval of Minutes -R. Clayton**

Minutes reviewed and approved for meeting 280.

#### **2.2 RRS 280 Status Report to EC -R. Clayton**

Reviewed status report for RRS meeting 280.

#### **2.3 RRS 280 Action Item List -R. Clayton**

The status of Action Items are as follows:

Action Item 83-8: Ongoing  
Action Item 228-1: Ongoing  
Action Item 232-6: Ongoing  
Action Item 236-1: Ongoing  
Action Item 279-1: Ongoing  
Action Item 280-1: Complete  
Action Item 281-1: Added  
Action Item 281-2: Added  
Action Item 281-3: Added  
Action Item 281-4: Added  
Action Item 281-5: Added

### **3.0 NYSRC Reliability Rules (RR) Development**

#### **3.1 Potential Reliability Rule (PRR) List Outstanding -R. Clayton**

Reviewed PRR list.

Potentially retire PRR150 when action is taken on PRR 152.

#### **3.2 PRRs in development**

##### **3.2.1 PRR 152: System Conditions for Transmission Planning Performance Requirements Covering Wind and/or Solar Generating Resources -R.Clayton/C.Dahl**

Reviewed the purpose of PRR 152.

Action Item 281-1 NYISO and RRS to jointly develop a new PRR to address regional loss of fuel delivery for renewable generation including wind and solar resources.

#### **3.3 PRRs for EC final approval after posting – PRR 151 under review**

##### **3.3.1 PRR 151 “Establishing Minimum Interconnection Standards for Large Facility Inverter Based Resources (IBR)” -R. Clayton**

Reviewed updates to PPR 151.

Discussed NYRSC Procedure for Application of IEEE 2800-2022 Standard for Large IBR Generating Facilities for the New York Control Area.

#### **3.4 Discussion of Potential New Rules**

##### **3.4.1 B.1: TS Planning Performance Requirements – Include “Sudden loss of fuel delivery system to multiple solar & wind plants” as a Category II Design Contingency in Table B-1 -R. Clayton**

NYISO and Roger are working together on this item as mentioned in Action Item 281-1 above.

### **3.4.2 B.1: TS Planning Performance Requirements – Include “Peak load resulting from extreme weather” as a Category I Design Contingency in Table B-1 -R. Clayton**

Two system conditions the NYISO would like to be able to plan for are:

1. Heat wave, to be able to plan the system under emergency conditions.
2. Gas fuel shortages under winter peak conditions

AI 281-2: NYISO and Roger to draft a PRR to address peak load from heat waves and gas fuel shortages under winter peak conditions.

### **3.4. Revised Glossary term – Include HVDC as a Black Start Facility**

NYISO will likely revise tariff and manuals to broaden the definition of black start facilities to be able to include resources beyond generators.

AI 281-3 Chris Sharpe, Martin to keep RRS informed on tariff activity related to the definition of Black Start Facilities.

## **4.0 Extreme Weather Working Group Status Report**

### **4.1 Status Report -C.Dahl**

21 years of hourly wind, solar, and terrestrial weather data for over 70 different wind/solar locations. Report will include information similar to the offshore historical wind report.

White paper transmitted to PJM, New England, NYSERDA, PSC.

Fuel Security, extreme weather presentation given.

## **5.0 IBR Working Group Status Report**

### **4.1 Status Report -R. Clayton**

No update.

## **6.0 NERC SARS/Organization Standards**

### **6.1 NERC Standard Tracking -W. Yeomans**

Provided update on NERC balloting.

## **7.0 Additional Agenda Items**

### **7.1 BPS Designation and Compliance**

Designation of buses as BPS facilities that require system upgrade facilities within themselves in order to meet the BPS requirements. Associated with the interconnection of a new generation resource.

If the system upgrade facilities are not complete at the time of interconnection (commercial operating date) what impact does that have on the interconnection and the ability of the developer to deliver energy/capacity to the grid?

Concern that the addition of large generation assets could change existing BES buses into BPS buses which would then need to be upgraded.

AI 281-4 – Follow up on BPS Designation and Compliance. Impact on new resources/developers if BPS facility needs upgrades.

### **7.2 Monitor NPCC Directory 1 Changes to Double Circuit Tower Definition**

Expressed need to monitor NPCC Directory 1 potential definition changes.

AI 281-5 Roger to find out who is part of the working group regarding changes to NPCC Directory 1

## **8.0 Reports**

### **8.1 NYSRC EC Meeting Report -R. Clayton**

Nothing to report.

### **8.2 NYSRC ICS Meeting Report -B. Shanahan**

ICS 2024 goals emailed to Roger and will be presented to the Executive Committee.

Emergency Operating Procedure White Paper review is completed. Will be presented to the Executive Committee next week.

Gas Constraints White Paper has been updated.

SCR modelling changes highlighted.

## **9.0 Next Meeting**

Meeting #281 was adjourned at 12:03 PM.

The next meeting (#282) is scheduled for Thursday, November 2, 2023 at 10:00 am by WEBEX.