

Operating Committee  
November 16, 2023  
Conference Call  
10:00 a.m. – 1:15 p.m.

**1. Administrative Matters**

Mr. Paul Simmons (PSEG Long Island) called the meeting to order. Meeting participants announced themselves and there was a quorum. He noted that due to a conflict, Mr. Scott Leuthauser (HQ US, BIC Chair) would serve as OC chair after 11:45 a.m.

**2. Chair's Report, Correspondence, and Administrative**

Mr. Simmons said there was no correspondence since the last OC meeting.

Motion #1:

The Operating Committee (OC) hereby approves the meeting minutes from September 15, 2023.

***The motion passed unanimously by show of hands.***

Mr. James Kane (NYPA) was elected vice chair.

**3. Operations Report – October 2023**

Mr. Aaron Markham (NYISO) reviewed the Operations Performance Metrics Monthly report for October 2023.

In response to a question, Mr. Arturo Henriquez (Con Edison) said that the local gas system reliability work in October was completed and any future work would be coordinated, if necessary. No future work is currently scheduled.

**4. Winter 2023-2024 Capacity Assessment and Winter Preparedness**

Mr. Aaron Markham (NYISO) reviewed the presentation and materials provided.

In response to a question, Mr. Markham said the vast majority of the non-firm fuel risk was mostly in Eastern NY. Mr. Mark Younger (Hudson Energy Economics) asked if the NYISO could break the information down by zone. Mr. Markham said the NYISO could update the presentation for the MC version of the presentation.

**5. NYISO Winter 2023-2024 Operating Study**

Mr. Raj Dontireddy (NYISO) reviewed the presentation included with the meeting material.

Motion #2:

The Operating Committee (OC) hereby approves the NYISO Winter 2023-2024 Operating Study Report as presented and discussed at the November 16, 2023 OC Meeting.

***The motion passed unanimously by show of hands.***

**6. Inverter-Based Resource Reliability Standard**

Mr. Roger Clayton (NYSRC) reviewed the informational presentation included with the meeting material.

Mr. Reed Wagner (ACE-NY) requested that the NYSRC provide more time to submit comments on the IBR proposed reliability rule due to Thanksgiving holiday and because of other industry activity taking up staff resources. Mr. Chris Wentlent (NYSRC-EC Chair, MUEA) said the NYSRC would take the request into consideration.

## 7. Study Reports

### **Q#1058 NY Wind-Pilgrim**

The developer provided a brief description of the project. Ms. Diana Hernandez (NYISO) reviewed the study report included with the meeting material.

#### **Motion #3:**

The Operating Committee (OC) hereby approves the Q#1058 NY Wind-Pilgrim Interconnection System Reliability Impact Study report as presented and discussed at the November 16, 2023 OC meeting, provided, however, that Q#1056 NY Wind Shore Road and Q#1066 NY Wind - Mott Haven are alternative projects to Q#1058 and to each other; the Developer may only proceed with the Class Year Interconnection Facilities Study and accept cost allocation for only one of these interconnection requests.

***The motion passed unanimously by show of hands.***

## 8. Study Scopes

Mr. Howard Fromer (Bayonne) asked what was the purpose of the SRIS process. Ms. Angela Sicker (NYISO) said the SRIS process provides project-specific information, and the NYISO would seek to study all of the remaining OC-approved study scopes, depending on what developers select during the NYISO's transition process. It is anticipated that future projects would be studied under the new cluster process in compliance with Order No. 2023.

### **Q#1177 – Southern Tier Energy Center**

The developer provided a brief description of the project. Ms. Hernandez reviewed the study scope included with the meeting material.

#### **Motion #4a:**

The Operating Committee (OC) hereby approves the Q#1177 Southern Tier Energy Center Interconnection System Reliability Impact Study scope as presented and discussed at the November 16, 2023 OC meeting.

***The motion passed unanimously by show of hands.***

### **Q#1335 Hoffmanfalls Wind 2**

The developer provided a brief description of the project. Ms. Hernandez reviewed the study scope included with the meeting material.

#### **Motion #4b:**

The Operating Committee (OC) hereby approves the Q#1335 Hoffmanfalls Wind 2 Interconnection System Reliability Impact Study scope as presented and discussed at the November 16, 2023 OC meeting.

***The motion passed unanimously by show of hands.***

### **Q#1361 Ditchcreek Solar**

The developer provided a brief description of the project. Ms. Hernandez reviewed

the study scope included with the meeting material.

Motion #4c:

The Operating Committee (OC) hereby approves the Q#1361 Ditchcreek Solar Interconnection System Reliability Impact Study scope as presented and discussed at the November 16, 2023 OC meeting.

***The motion passed unanimously by show of hands.***

**Q#1307 Riverhead Energy Battery Storage**

The developer provided a brief description of the project. Ms. Hernandez reviewed the study scope included with the meeting material.

Motion #4d:

The Operating Committee (OC) hereby approves the Q#1307 Riverhead Energy Battery Storage Interconnection System Reliability Impact Study scope as presented and discussed at the November 16, 2023 OC meeting.

***The motion passed unanimously by show of hands.***

**Q# 1320 – Lake Ronkonkoma Storage**

The developer provided a brief description of the project. Ms. Hernandez reviewed the study scope included with the meeting material.

Motion 4e:

The Operating Committee (OC) hereby approves the Q#1320 Lake Ronkonkoma Storage Interconnection System Reliability Impact Study scope as presented and discussed at the November 16, 2023 OC meeting.

***The motion passed unanimously by show of hands.***

**Q#1321 – Dix Hills Storage**

The developer provided a brief description of the project. Ms. Hernandez reviewed the study scope included with the meeting material.

Motion #4f:

The Operating Committee (OC) hereby approves the Q#1321 Dix Hills Storage Interconnection System Reliability Impact Study scope as presented and discussed at the November 16, 2023 OC meeting.

***The motion passed unanimously by show of hands.***

**Q#1333 – Newbridge Ruland Storage**

The developer provided a brief description of the project. Ms. Hernandez reviewed the study scope included with the meeting material.

Motion #4g:

The Operating Committee (OC) hereby approves the Q#1333 Newbridge Ruland Storage Interconnection System Reliability Impact Study scope as presented and discussed at the November 16, 2023 OC meeting.

***The motion passed unanimously by show of hands.***

**Q#1348 Daphne Storage**

The developer provided a brief description of the project. Ms. Hernandez reviewed the study scope included with the meeting material.

Motion #4h:

The Operating Committee (OC) hereby approves the Q#1348 Daphne Storage Interconnection System Reliability Impact Study scope as presented and discussed at the November 16, 2023 OC meeting.

***The motion passed unanimously by show of hands.***

**Q#1385 Attentive Energy 1**

The developer provided a brief description of the project. Ms. Hernandez reviewed the study scope included with the meeting material.

Motion #4i:

The Operating Committee (OC) hereby approves the Q#1385 Attentive Energy 1 Interconnection System Reliability Impact Study scope as presented and discussed at the November 16, 2023 OC meeting.

***The motion passed unanimously by show of hands.***

**Q#1443 – Vineyard Mid-Atlantic 2**

The developer provided a brief description of the project. Ms. Hernandez reviewed the study scope included with the meeting material.

Motion #4j:

The Operating Committee (OC) hereby approves the Q#1443 Vineyard Mid-Atlantic 2 Interconnection System Reliability Impact Study scope as presented and discussed at the November 16, 2023 OC meeting.

***The motion passed unanimously by show of hands.***

**Q#1190 – OW Ocean Winds East 4**

The developer provided a brief description of the project. Ms. Hernandez reviewed the study scope included with the meeting material.

Motion #4k:

The Operating Committee (OC) hereby approves the Q#1190 OW Ocean Winds East 4 Interconnection System Reliability Impact Study scope as presented and discussed at the November 16, 2023 OC meeting.

***The motion passed unanimously by show of hands.***

**Q#1239 – NY Interconnection 3**

The developer provided a brief description of the project. Ms. Hernandez reviewed the study scope included with the meeting material.

Motion #4l:

The Operating Committee (OC) hereby approves the Q#1239 NY Interconnection 3 Interconnection System Reliability Impact Study scope as presented and discussed at the November 16, 2023 OC meeting.

***The motion passed unanimously by show of hands.***

**Q#1493 – Queensboro Renewable Express Circuit A**

The developer provided a brief description of the project. Ms. Hernandez reviewed the study scope included with the meeting material.

Dr. Mayer Sasson (Con Edison) reviewed Con Edison's statement included with the meeting material. Con Edison was opposed to the study scope in its present form because Con Edison finds it deficient and unclear in two critical reliability areas. Dr. Sasson urged the OC to consider Con Edison's statement and refrain from approving the study scope until certain changes are made. He said the study scope was atypical from the other study scopes presented today, where an energy source seeks to connect radially to a POI in the existing transmission system. The project facilities in the POI are sole use Attachment Facilities in the other SRIS study scopes. The Queensboro project's POI is in a substation that has yet to be constructed. The study scope should be updated to characterize all segments and the new substation as Attachment Facilities or SUFs. Dr. Sasson further stated that it's either one or the other and Con Edison does not want to be guessing what the developer may be thinking. In addition, the changes to the Ravenswood generating unit should be clear and whether it is in-service while this new project is seeking to connect. Con Edison is concerned with the status of the existing Ravenswood generator and the proposed new project, and Con Edison argued that it needed to be addressed in some manner. Dr. Sasson understood that the developer may wish to have the Ravenswood generator retirement studied under a separate process, but the scope does not state that and it could cause a delay for the Queensboro project.

Mr. James D'Andrea (Helix Ravenswood) agreed with Con Edison that the Q#1493 Queensboro SRIS was atypical, but the SRIS should still be studied as drafted. The Ravenswood generator, which is an affiliate of the developer, has yet to file a retirement notice, and once it does issue a notice, the generation asset owner would follow the generator retirement notice as required by the tariff. A retirement study component should not be part of the NYISO interconnection study. Dr. Sasson thanked Mr. D'Andrea for the clarification because Con Edison could not tell this from the study scope language.

Mr. Jamil Khan (Rise Light) said the developer originally proposed the elective SUF because the tariff language doesn't allow for generation to connect to two different voltages. And Con Edison was the one to suggest the project be studied as illustrated in Con Edison's document. Dr. Sasson said Con Edison has no objection to the SUF characterization and finds it proper, but Con Edison has issues with the question marks in its diagram because Con Edison does not know what they are.

Mr. Thinh Nguyen (NYISO) explained that there is a separate study process for generation retirements and that is beyond the scope of an SRIS. The purpose of the NYISO's interconnection process is to study the end state of the proposed project and then identify the necessary system upgrades for the project to ensure that it can reliability interconnect to the system and determine cost responsibility. The NYISO has other study processes (generator deactivation process, STAR, etc.) where generator retirements are evaluated, which would address Con Edison's concerns. Additionally, Mr. Nguyen mentioned that the SRIS report will also characterize the facilities as either SUF or Attachment Facilities, as that is a result of the final report, not determined as part of the SRIS Scope. Mr. Nguyen stressed the importance of treating this project the same as all other projects in the queue. Therefore, the NYISO does not believe it is appropriate to hold up the study scope

from receiving OC approval.

Dr. Sasson said it would be difficult to start the study (short circuit, stability, etc.) until one knows the facility characterization and if the characterization is an SUF, it needs to be built to the Con Edison criteria, which implies that it could change. He believed the developer should provide that information. Regarding the retirement of Ravenswood, Con Edison has no problem with studying the asset separately from the Queensboro project. Con Edison had thought the retirement would be studied as part of this project. However, Con Edison continues to have an issue with the question marks in its diagram.

Mr. D'Andrea said the developer is not aware it has identified those question marks as SUFs. The developer wants to move forward with the study scope and the developer wants to work with Con Edison to address any concerns Con Edison has. Mr. Khan said the study scope definitely identifies the component between the substation and Vernon as an Elective SUF and the developer would be happy to proceed with that as the design basis for the study. The developer understands that Con Edison has concerns with the power flow between Vernon and Rainey and is willing to work with Con Edison to ensure the study parameters and protections are incorporated.

Dr. Sasson said Con Edison could not support the project's study scope as is, because the lack of clarity around the treatment of facilities creating a parallel flow between Vernon and Rainey raises serious reliability concerns. If the OC wished to approve the study scope, the motion should state that no analysis for this project can begin until the question marks in the diagram are addressed. Mr. Nguyen said the NYISO does not agree with Con Edison that not enough information is available to begin the study.

Ms. Doreen Saia (Shell) suggested the OC vote on the study scope and that Con Edison provide its statement for the minutes. Dr. Sasson agreed to provide its statement for the minutes and raised a concern that the Connecting Transmission Owner's comments are disregarded. Mr. D'Andrea said Con Edison's issues should not be controversial because everyone's trying to make the system better, no one wants to jeopardize the system and he hoped Con Edison would at least abstain on the vote. Dr. Sasson said that if the OC approves the study scope, the outstanding question marks in its diagram needed to be addressed. He asked that it be reflected in the minutes.

#### Con Edison's Statement:

Con Edison does not object to this generation project and its contribution to the energy transition in New York. To properly study the impacts of the project requires a clear scope. The project's scope document is vague and unclear in two critical areas: the characterization of the project components as either Attachment Facilities (AF) or System Upgrade Facilities (SUF), and the representation of Ravenswood 1 in the study cases. Con Edison believes it is important to resolve these issues before the SRIS proceeds because doing so will provide important information related to the impact of the project on the reliability of the

transmission system and will support accountability for operations in the Con Edison transmission district.

Con Edison, the Connecting Transmission Owner (CTO), cannot support the Scope document in its present form due to its vagueness in these two areas:

- **The proposed project components listed in the Scope document are not characterized to sufficiently define the project configuration in the study**

The Scope document states that the Point of Interconnection (POI) will be at the new Ravenswood substation. It also states that the path between this New Substation and Con Edison's Vernon Substation will be an elective SUF. The document is silent on the characterization of the remaining project components: the segment between the Inverter and the New Substation, the New Substation itself, and the segment between the New Substation and Con Edison's Rainey Substation (see diagram below). Each facility proposed by the Developer should be classified into one of two possible categories: either AFs or SUFs. AF is a defined term within the NYISO OATT and, to classify a facility as such, there are conditions that must be satisfied, namely, that it must be a "sole use" facility by the project, and that it cannot include SUFs. Because the new Ravenswood substation will be connected to two Con Edison substations, system power will be flowing through the substation, making this a transmission facility, not a sole use facility by the project, and therefore must be classified as an SUF. The project SUFs are modifications and additions to the existing New York State Transmission System that must comply with Con Edison design criteria and all other Applicable Reliability Standards. Characterizing the project components may result in configuration changes and must be known before studies are undertaken. Failure to do so will result in loss of clarity regarding the accountability for operating system components necessary to provide reliable service to customers in the Con Edison transmission district.

- **Model Representation of Ravenswood 1 in the study databases is not clearly defined in the Scope**

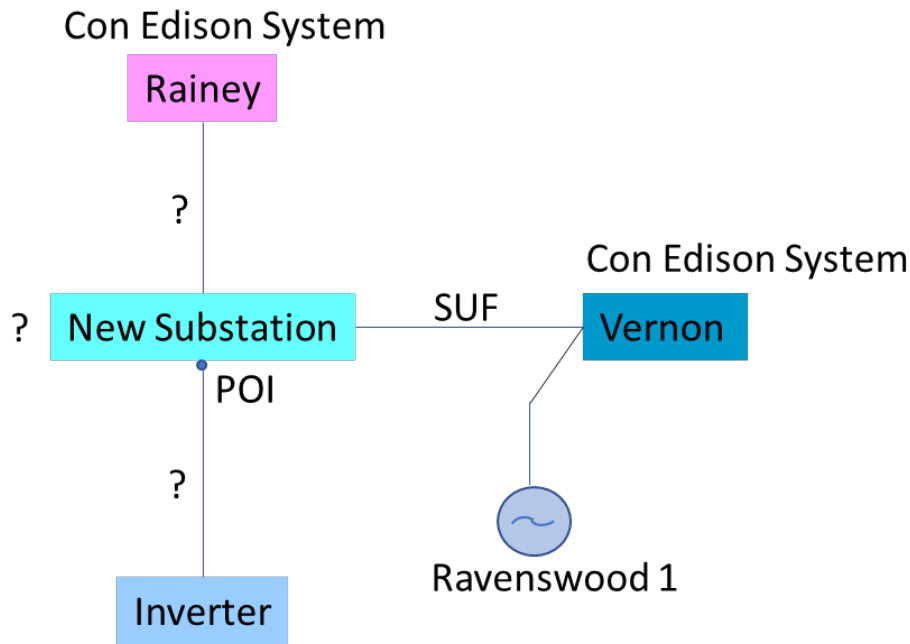
The Developer, NYISO, the Connecting TO, and the public should have a clear understanding of the impact of Ravenswood 1 retirement on the timing of the project's in service date.

This is a reliability issue. The Scope states in footnote 4 that Ravenswood 1 will be retired. There is a direct relationship between the retirement of Ravenswood 1 and the Queensboro project since the project proposes to connect to the same point as Ravenswood 1 at Con Edison's Vernon substation (see diagram below). The timing of Ravenswood 1 retirement and the timing of generation availability from the Queensboro project introduces a system reliability risk that should be identified in this System Reliability Impact Study, separate and distinct from an RMR study that is performed in the STAR process once a generator submits its retirement notice.

The Scope Document describes four cases that will be studied without clearly

stating the status of Ravenswood 1 in each case, and Case 1 without the project does not clearly identify if there are pre-existing reliability conditions under the Annual Transmission Baseline Assessment (ATBA) base case. Since Con Edison is responsible for addressing pre-existing violations identified in the ATBA base case, it requires the proposed Case 1 without the project to model two scenarios, Ravenswood 1 in service, and Ravenswood 1 retired.

In summary, the project presents potential reliability risks that need to be studied in its System Reliability Impact Study so that all stakeholders understand the impact of the project on the New York State Transmission System and the Con Edison local system.



Motion #4m:

The Operating Committee (OC) hereby approves the Q#1493 Queensboro Renewable Express Circuit A Interconnection System Reliability Impact Study scope as presented and discussed at the November 16, 2023 OC meeting.

***The motion passed by majority show of hands.***

**9. Working Group Updates |**

- **CDAS** – Mr. Kirk Dixon (NYISO) reported that CDAS met early this month. They received an update on the substation/router replacement project. There were no items on their agenda that advanced to the OC. The next CDAS meeting is December 7.
- **ESPWG** – Mr. Tim Lundin (LS Power) reported that ESPWG has met to review the Q4 STARS assumptions, reviewed the 2023-2032 System and Resource Outlook, NY Transco provided an LTP Update, an overview of the Coordinated Grid Planning Process and the NYISO provided an update on the NYC PPTN process.
- **IITF** – Ms. Corinne Didomenico (NextEra) reported that the IITF met three times since the last OC meeting to discuss the NYISO’s Order 2023 compliance



approach.

- The NYISO presented the cluster study structure, transition process, and other components of its plan at the 10/20 meeting. In addition, draft tariff language edits were posted with that meeting.
- At the 11/02 meeting, the NYISO provided updates on regulatory matters and reviewed the study deposit and fee structure at the 11/02 meeting
- At the 11/14 meeting, the NYISO's presentation focused on the pre-application window, study deposits, the customer engagement window, the physical infeasibility screen, project modifications, and proposed withdrawal penalties.
- The next meeting is scheduled for December 1.
- **SOAS** – Mr. Kirk Dixon (NYISO) reported that SOAS met last week and reviewed the grid operations and training reports. In addition, the NYISO reviewed the winter operating study.
- **TPAS** – Mr. Scott Leuthauser (HQ US) reported that TPAS reviewed the study scopes and report reviewed by the OC today.

#### **10. New York State Reliability Council (NYSRC) Update –**

Mr. Wentlent reported that the NYSRC is likely to vote on the IRM study at the Executive Committee's meeting in December. In addition, the NYSRC discussed the Inverter-Based Resources proposed reliability rule, continued discussion on Winter Storm Elliot, and although not part of the NYSRC, he wanted to note that NERC's winter assessment report was released last week and encouraged all parties to review it.

#### **11. New Business**

Mr. Kirk Dixon (NYISO) reported that the NYISO posted the 2024 meeting dates on its website calendar.

The meeting adjourned at 1:15 p.m. The next meetings are on Wednesday, November 29, 2023 and Thursday, November 14, 2023.