

**NEW YORK STATE RELIABILITY COUNCIL
2019 RELIABILITY COMPLIANCE PROGRAM**

| REQUIREMENT(S) | REQUIREMENT DESCRIPTION | MEASURE | COMPLIANCE DOCUMENTATION DUE ¹ | DATE RECEIVED | DATE OF RCMS REVIEW | NYISO COMPLIANCE LEVEL ² |
|-------------------------------|--|---------|---|-----------------------|---------------------|-------------------------------------|
| Resource Adequacy | | | | | | |
| A.2:R1 | 2019 Locational Capacity Requirements | M1 | 3/28/19 | 3/28/19 | 4/4/19 | FC |
| A.2:R2 | LSE ICAP obligations | M2* | 11/26/19 | 11/26/19 | 12/3/19 | FC |
| A.3:R1 | 2019-21 NYCA resource adequacy review | M1 | 5/30/19 | 5/30/19 | 6/6/19 | FC |
| Transmission Planning | | | | | | |
| B.1: R1 to R4 | Transmission planning system performance requirements | M1 | 2/21/19 | 2/21/19 | 2/28/19 | FC |
| B.2: R1 | 2018 NYCA transmission review | M1 | 2/21/19 | 2/21/19 | 2/28/19 | FC |
| B.2: R1 | 2019 NYCA transmission review | M1 | | 10/24/19 ⁴ | 10/31/19 | FC |
| B.3: R1 to R3 | List of NYS BPS Facilities | M1 | 6/20/19 | 6/20/19 | 6/27/19 | FC |
| Transmission Operation | | | | | | |
| C.1: R1, R2 | Establishing operating transfer capabilities | M1 | 2/21/19 | 2/21/19 | 2/28/19 | FC |
| C.3: R1 to R.6 | Outage coordination | M1 | 2/21/19 | 2/21/19 | 2/28/19 | FC |
| C.4: R1 to R3 | Extreme weather and severe solar magnetic disturbance operations | M1 | 2/21/19 | 2/21/19 | 2/28/19 | FC |
| C.5: R1, R3 | 2019 fault current assessment | M1 | 6/20/19 | 6/20/19 | 6/27/19 | FC |
| C.5: R2 | Equipment Owner fault current assessment actions | M2* | 6/20/19 | 6/20/19 | 6/27/19 | FC |
| C.6: R1, R2 | Applications of the NYSRC Rules | M1 | 4/25/19 | 4/25/19 | 5/2/19 | FC |
| C.7: R1 | Exceptions to the NYSRC Rules | M1 | 4/25/19 | 4/25/19 | 5/2/19 | FC |
| C.8: R1 | Real-time operations of the NYS BPS | M1 | Monthly | 11/5/19 | 12/3/19 | FC ³ |
| Emergency Operations | | | | | | |
| D.1: R1 to R8 | Mitigation of Major Emergencies | M1 | 4/25/19 | 4/25/19 | 5/2/19 | FC |
| D.1: R10 | Annual statewide voltage reduction tests | M3 | 7/25/19 | 7/25/19 | 8/1/18 | FC |
| Operating Reserves | | | | | | |
| E.1: R1 to R7 | Minimum operating reserve levels | M1 | 6/20/19 | 6/20/19 | 6/27/19 | FC |

| System Restoration | | | | | | |
|-----------------------------|--|-----|----------|----------|----------|----|
| F.1: R2 | TO system restoration plans | M2* | 11/26/19 | 11/26/19 | 12/3/19 | FC |
| F.1: R3 | Black Start Provider requirements | M3* | 11/26/19 | 11/26/19 | 12/3/19 | FC |
| Local Area Operation | | | | | | |
| G.1: R7 | Con Ed operating procedures and reserves | M3* | 7/25/19 | 7/25/19 | 8/1/19 | FC |
| G.2: R2 | Con Ed loss of gas supply procedures and actions | M2* | 7/25/19 | 7/25/19 | 8/1/19 | FC |
| G.2: R5 | GO procedures for testing dual fuel capability of MOB combined cycle units | M4* | 7/25/19 | 7/25/19 | 8/1/19 | FC |
| G.2: R6 | GO dual fuel capability testing of combined cycle units | M5* | 10/24/19 | 10/24/19 | 10/31/19 | FC |
| G.3: R2 | LIPA loss of gas supply procedures and actions | M2* | 8/29/19 | 8/29/19 | 9/5/19 | FC |
| G.4: R2 | Con Ed identification of Eligible Black Start units | M2* | 10/24/19 | 10/24/19 | 10/31/19 | FC |
| Modeling and Data | | | | | | |
| I.1: R3 | GO generation net dependable capacity tests | M2* | 5/30/19 | 5/30/19 | 6/6/19 | FC |
| I.1: R4 | GO generation reactive power capacity tests | M3* | 5/30/19 | 5/30/19 | 6/6/19 | FC |
| I.2: R2 | GO generating unit outage data reporting | M2* | 9/26/19 | 9/26/19 | 10/3/19 | FC |
| I.2: R3 | Generating unit outage statistics | M3 | 9/26/19 | 9/26/19 | 10/3/19 | FC |
| I.2: R4 | SCR performance report | M4 | 8/29/19 | 8/29/19 | 9/5/19 | FC |
| I.2: R5 | RIP SCR performance data reporting | M5* | 8/29/19 | 8/29/19 | 9/5/19 | FC |
| I.3: R2 | Annual actual and forecast load data | M2 | 7/25/19 | 7/25/19 | 8/1/19 | FC |
| I.4: R3 | MP transmission data reporting | M3* | 9/26/19 | 9/26/19 | 10/3/19 | FC |

*Applicable to Market Participants; NYISO compliance certification is required (see Appendix 1).

Footnotes:

1. Compliance documentation due dates are generally scheduled seven days prior to RCMS meetings. Compliance documentation requirements are shown in Appendix 1.
2. NYISO Compliance Levels
 - FC – Full Compliance
 - NC1 – Non-Compliance Level 1
 - NC2 – Non-Compliance Level 2
 - NC3 – Non-Compliance Level 3
 - NC4 – Non-Compliance Level 4
3. This Full Compliance finding applies to the October 2019 operations report. Monthly operations reports in all previous months were found in Full Compliance.
4. On October 3, 2019 the NYISO requested RCMS to review NYISO compliance with respect to a draft of the 2019 NYCA Interim ATR. RCMS agreed to review ATR compliance at its Nov. 7 meeting. A revised ATR draft was submitted on 10/24/19 and comments provided on 10/31/19.

2019 “As Required” NYISO Compliance Reports

| Requirement | Reported Event Summary | Date NYISO Event Report was Received | RCMS Review Date | RCMS Comments | NYISO Compl. Level |
|---|---|--------------------------------------|------------------|---------------|--------------------|
| <p>H.1:R4</p> <p>NYISO shall submit a report summarizing loss of critical voice and/or data systems.</p> | <p>On 7/18/19 between 16:36 and 16:38 the NYISO primary ICCP server lost connectivity to all ICCP partner entities. Connections with a majority of those entities automatically re-established by 16:40. The NYISO had intermittent drops of overall connectivity between 16:40 and 17:08 as NYISO resources performed troubleshooting steps to restore Long Island, Con Ed, and Hydro Quebec. Long Island, Con Ed, and Hydro Quebec did not automatically re-establish and remained disconnected until 17:13, 17:17, and 17:49 respectively until additional actions were taken by those entities.</p> | <p>8/29/19</p> | <p>9/5/19</p> | <p>None</p> | <p>FC</p> |
| <p>D.1:R9</p> <p>The NYISO shall report to the NYSRC on every instance of a Major Emergency.</p> | <p>On 09/03/2019 a Major Emergency was declared by the NYISO Shift Supervisor when the power flow on HQ Cedars exceeded its Transient Stability Limit by more than 105%. This was caused by the trip of the Marcy 345kV North Bus, removing the Marcy-Coopers Corners UCC2-41, Marcy-Massena MSU-1, Massena-Chateaugay 7040, and Marcy Statcom from service.</p> <p>The NYISO has reviewed the details of this event and has made modifications to the NYISO’s existing internal procedure to address this situation if it were to occur again. The NYISO has shared information with the entities that did not reconnect as designed to assist them in addressing any issues on their systems.</p> | <p>9/4/19</p> | <p>9/5/19</p> | <p>None</p> | <p>FC</p> |

APPENDIX 1: 2019 RELIABILITY COMPLIANCE PROGRAM – COMPLIANCE DOCUMENTATION REQUIREMENTS

| Requirements | Type of Reporting** | Compliance Period | Compliance Documentation Requirements |
|----------------------|--|--------------------------|---|
| A.2: R1 | Complete documentation according to M1 | | A NYISO Locational Capacity Requirement (LCR) study report, covering the 2019-20 Capability Year, shall be provided. A presentation on the LCR study, which utilizes a new NYISO methodology that includes an economic optimization algorithm, will be provided to RCMS. Prior to the presentation, RCMS may request inclusion of topics of interest. |
| A.2: R2 | Certification according to M2 | Nov 2018-Oct 2019 | |
| A.3: R1 | Complete documentation according to M1 | | A NYCA Resource Adequacy report covering the 2019-21 period shall be provided. One month before the assessment is presented for compliance, the RCMS and NYISO staff shall agree on the scenarios to be included in the analysis. An appropriate NYISO staff person should be available at the RCMS meeting to discuss this report and answer questions. |
| | | | |
| B.1: R1 to R4 | Self-Certification according to M1 | 2018 Calendar Year | |
| B.2: R1 | Complete documentation according to M1 | | A NYCA 2018 Transmission Review, in accordance with the <i>NYSRC Procedure for NYCA Transmission Reviews</i> , shall be provided. This transmission assessment shall include the status of upgrades that are necessary to avoid NYSRC reliability rule violations that were identified in previous transmission reviews and Corrective Action Plans as required. An appropriate NYISO staff person should be available at the RCMS meeting to discuss this report and answer questions. |
| B.3: R1 to R3 | Complete documentation according to M1 | | Reference the NYISO procedure for developing a list of NYS Bulk Power System facilities and submit the present list of NYS Bulk Power System facilities to RCMS, recognizing confidentiality protection requirements. |
| C.1: R1, R2 | Self-Certification according to M1 | | |
| C.3: R1 to R6 | Self-Certification according to M1 | | |
| C.4: R1 to R3 | Self-Certification according to M1 | | |
| C.5: R1, R3 | Complete | | A report covering an evaluation of the fault duty at each BPS station for the 2019 |

| Requirements | Type of Reporting** | Compliance Period | Compliance Documentation Requirements |
|--------------------|--|----------------------|--|
| | documentation according to M1 | | Capability Year shall be provided. If the report shows fault duty levels exceed equipment ratings, provide mitigation plans jointly approved by the NYISO and equipment owners. |
| C.5: R2* | Certification according to M2 | | This certification applies to Equipment Owner evaluation of the NYISO 2019 Capability Year fault duty evaluation required by C.5: R1. |
| C.6: R1, R2 | Certification according to M1 | | This certification shall specify any new or revised Applications in 2018. |
| C.7: R1 | Certification according to M1 | | |
| C.8: R1 | Self-Certification according to M1 | Monthly | Monthly operations reports that provide data on the performance of the NYCA system for that month shall be provided. Data to be included in this report shall be in accordance with R1.1 to R1.8 requirements. |
| | | | |
| D1: R1-R8 | Self-Certification according to M1 | | |
| D1: R10 | Complete documentation according to M3 | | A report on the results of statewide voltage reduction tests for the 2019 summer period shall be provided. |
| | | | |
| E.1: R1-R7 | Self-Certification according to M1 | 2018 Calendar Year | The self-certification shall include any changes to the NYISO procedures required by R1 to R7 in 2018. |
| | | | |
| F.1: R2 * | Certification according to M2 | | The NYISO shall include in the Certification that each TO has a SRP in accordance with R2, and each TO has confirmed that the black start resources that each TO has identified as necessary for implementing its SRP will assure that the TO system will be restored in a safe and orderly manner, and as promptly as reasonably possible following a major or total blackout. |
| F.1: R3 * | Certification according to M3 | 2018 Capability Year | The NYISO shall certify that (1) each Black Start Provider has revised its procedures as necessary for meeting requirements R2 and R3, (2) it received the annual letter from each <i>Black Start Provider</i> confirming that it maintained a list of critical components and tests these components, in accordance with R3.3, (3) it received sufficient documentation from each <i>Black Start Provider</i> showing that the <i>Black Start Provider</i> developed required test procedures and accordingly successfully tested its black start facilities for each |

| Requirements | Type of Reporting** | Compliance Period | Compliance Documentation Requirements |
|------------------|------------------------------------|-----------------------------|--|
| | | | <i>Capability Year</i> in accordance with R3.1, and (4) each <i>Black Start Provider</i> met NYISO training requirements in accordance with R3.4. |
| G.1: R7 * | Certification according to M3 | 2018 Calendar Year | The certification shall include a list any notifications it has received from Con Ed when actions were taken in 2018 accordance with G1 requirements. The list shall recognize Con Ed information protection procedures. |
| G.2: R2* | Certification according to M2 | 2018 Calendar Year | The NYISO shall certify that Con Ed has in place procedures for operating its system to comply with G.2 and NYISO procedures in accordance with R.1.1 and R2 and that in 2018 Con Ed notified the <i>NYISO</i> when actions were taken in accordance with R.1.2 and R2. |
| G.2: R5* | Certification according to M4 | | The NYISO certified that each applicable owner of MOB dual fuel units has prepared test procedures in accordance with R5 requirements. |
| G.2: R6* | Certification according to M5 | 2018 Calendar Year | The NYISO certified that each applicable owner of MOB dual fuel units tested its dual fuel capability in accordance with R6 requirements. The certification shall state the general results of 2018 tests, recognizing information protection procedures. |
| G.3: R2 * | Certification according to M2 | 2018 Calendar Year | The NYISO shall certify that LIPA has in place procedures for operating its system to comply with G.3 and NYISO procedures in accordance with R.1.1 and R2 and that in 2018 LIPA notified the <i>NYISO</i> when actions were taken in accordance with R.1.2 and R2. |
| G.4: R2 * | Certification according to M2 | 2018 Calendar Year | Con Edison shall conduct a study for identifying eligible black start resources, or shall certify that a study was not required because there were no changes to relevant system conditions that would have affected the results of the previous study, in accordance with R2. |
| | | | |
| I.1: R3 * | Certification according to M2 | Summer 2018, Winter 2018-19 | |
| I.1: R4 * | Certification according to M3 | Summer 2018 | |
| I.2: R2 * | Certification according to M2 | 2018 Calendar Year | |
| I.2: R3 | Self-Certification according to M3 | | In addition, historical generating outage data shall be prepared and submitted to ICS for use in the 2020-21 IRM Study. |
| I.2: R4 | Self-Certification | | |

| Requirements | Type of Reporting** | Compliance Period | Compliance Documentation Requirements |
|--------------|------------------------------------|----------------------|---|
| | according to M4 | | |
| I.2: R5 * | Certification according to M5 | 2018 Capability Year | |
| I.3: R2 | Self-Certification according to M1 | | In addition, appropriate load forecast data shall be submitted to ICS for use in the 2020-21 IRM Study. |
| I.4: R3 * | Certification according to M3 | 2018 Calendar Year | |

*This is a Market Participant requirement.

** The various types of compliance reports are described in NYSRC Policy 4, Section 4.