

**NEW YORK STATE RELIABILITY COUNCIL
2018 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.1:R1, R2 | 2018 IRM Requirements | M1 | 2/22/18 | 2/22/18 | 3/1/18 | FC |
| A.2:R1 to R3 | 2018 Locational Capacity Requirements | M1 | 3/29/18 | 3/29/18 | 4/5/18 | FC |
| A.2:R4 | LSE ICAP obligations | M2* | 11/22/18 | | | |
| A.3:R1 | 2018-20 NYCA resource adequacy assessment | M1 | 6/21/18 | | | |
| Transmission Planning | | | | | | |
| B.2: R1 | 2018 NYCA Transmission Review | M1 | TBD ³ | | | |
| B.3: R1 to R3 | List of NYS BPS Facilities | M1 | 4/26/18 | 4/26/18 | 5/3/18 | FC |
| Transmission Operation | | | | | | |
| C.5: R1, R3 | NYISO 2018 fault current assessment | M1 | 6/21/18 | | | |
| C.5: R2 | Equipment Owner fault current assessment actions | M2* | 6/21/18 | | | |
| C.8: R1 | Real-time operations of the NYS BPS | M1 | Monthly | 5/5/18 | 5/31/18 | FC ⁴ |
| Emergency Operations | | | | | | |
| D.1: R10 | Annual statewide voltage reduction tests | M3 | 7/26/18 | | | |
| System Restoration | | | | | | |
| F.1: R1 | NYISO system restoration procedures and actions (PRR 133 Implementation Plan) | M1 | 12/28/17 | 12/28/17 | 1/4/18 | FC |
| F.1: R2 | TO system restoration plans | M2* | 11/22/18 | | | |
| F.1: R3 | Black Start Provider requirements | M3* | 11/22/18 | | | |
| Local Area Operation | | | | | | |
| G.1: R1, R2, R4, and R5 | NYISO requirements for Con Ed operating procedures | M1 | 8/30/18 | | | |
| G.1: R3 and R6 | NYISO requirements for Con Ed operating | M2 | 8/30/18 | | | |

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|--------------------------|---|-----|----------|---------|---------|----|
| | reserves | | | | | |
| G.1: R7 | Con Ed operating procedures and reserves | M3* | 8/30/18 | | | |
| G.2: R1 | NYISO requirements for Con Ed loss of gas facility proc. | M1 | 5/24/18 | 5/24/18 | 5/31/18 | FC |
| G.2: R2 | Con Ed loss of gas supply procedures and actions | M2* | 5/24/18 | 5/24/18 | 5/31/18 | |
| G.2: R3, R4 | NYISO requirements for GO dual fuel capability testing of MOB combined cycle units (PRR 131c) | M3 | 1/25/18 | 1/25/18 | 2/1/18 | FC |
| G.2: R5 | GO procedures for testing dual fuel capability of MOB combined cycle units | M4* | 9/27/18 | | | |
| G.2: R6 | GO dual fuel capability testing of combined cycle units | M5* | 9/27/18 | | | |
| G.3: R1 | NYISO requirements for LIPA loss of gas supply procedure | M1 | 5/24/18 | 5/24/18 | 5/31/18 | FC |
| G.3: R2 | LIPA loss of gas supply procedures and actions | M2* | 5/24/18 | 5/24/18 | 5/31/18 | FC |
| G.4: R1 | NYISO req. for identification of Eligible Black Start units | M1 | 10/25/18 | | | |
| G.4: R2 | Con Ed identification of Eligible Black Start units | M2* | 10/25/18 | | | |
| Modeling and Data | | | | | | |
| I.1: R3 | GO generation net dependable capacity tests | M2* | 3/29/18 | 3/29/18 | 4/5/18 | FC |
| I.1: R4 | GO generation reactive power capacity tests | M3* | 3/29/18 | 3/29/18 | 4/5/18 | FC |
| I.2: R2 | GO generating unit outage data reporting | M2* | 3/29/18 | 4/26/18 | 5/3/18 | FC |
| I.2: R3 | Generating unit outage statistics | M3 | 7/26/18 | | | |
| I.2: R4 | SCR performance report | M4 | 7/26/18 | | | |
| I.2: R5 | RIP SCR performance data reporting | M5* | 7/26/18 | | | |
| I.3: R2 | Annual actual and forecast load data | M2 | 7/26/18 | | | |
| I.4: R3 | MP transmission data reporting | M3* | 9/27/18 | | | |

*Applicable to Market Participants; NYISO compliance certification required.

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. To be determined. NYISO staff shall notify RCMS as soon as possible when it becomes aware when the 2018 NYCA Transmission Review report will be ready for RCMS review.
4. This Full Compliance finding applies to the April 2018 operations report. All previous 2018 operating reports were found in full compliance.
5. The NYISO requested a delay for submission of compliance documentation because it was unprepared for its submission on 3/29/18. In accordance with Policy 4, RCMS granted a 30-day delay to submit required compliance documentation without declaring a compliance violation. The required documentation was received from the NYISO during this grace period.

2018 “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 NYISO shall submit a report summarizing loss of critical voice and/or data systems.</p> | <p>On 2/27/18, beginning at 01:17:55, the NYISO experienced a momentary interruption of its ICCP data links. ICCP on the primary server encountered a communications problem with the NYISO’s telecom provider and immediately failed over as designed to a redundant server. Most ICCP links were restored within three minutes. Some ICCP links, including four New York Transmission Operators, sustained an extended outage and was fully restored at 02:05:13.</p> | <p>3/27/18</p> | <p>4/5/18</p> | <p>None</p> | <p>FC</p> |
| <p>D.1:R9 The NYISO shall report to the NYSRC on every instance of a Major Emergency.</p> | <p>On three recent occasions, on October 8, 2017, March 8, 2018, and March 14, 2018, Major Emergencies were declared by the NYISO when the power flows on the Central East (C-E) interface exceeded the 105% voltage transfer limit. A final report was provided by the NYISO for these incidents in accordance with this Requirement and an RRS request.</p> | <p>5/2/18</p> | <p>5/3/18</p> | <p>An ISO-NE events analysis was requested by RRS.</p> | <p>FC</p> |

APPENDIX 1: 2018 RELIABILITY COMPLIANCE PROGRAM – COMPLIANCE DOCUMENTATION REQUIREMENTS

| Requirements | Type of Reporting** | Compliance Period | Compliance Documentation Requirements |
|-----------------------------------|---|-------------------|--|
| A.1: R1, R2 | Complete documentation according to M1. | | The NYSRC Installed Capacity Subcommittee shall certify that it has conducted a study to calculate the NYCA IRM requirement for the 2018-19 Capability Year in compliance with Reliability Rule A.1: R1 & R2, and that the study followed procedures in accordance with NYSRC Policy 5. An IRM report covering this study shall be submitted to RCMS. The report shall include a description of IRM study assumptions, models, procedures, and results – as required by R2. |
| A.2: R1 to R3 | Complete documentation according to M1. | | A NYISO Locational Capacity Requirement (LCR) Report, covering the 2018-19 Capability Year, shall be provided. The NYISO shall also provide the allowable amount of LSE ICAP requirements that may be located externally to the NYCA, and how this was calculated. An appropriate NYISO staff person shall be available at the RCMS meeting to discuss the compliance submission, including the status of future LCR methodology changes. |
| A.2: R4 * | Certification according to M2. | Nov 2017-Oct 2018 | |
| A.3: R1 | Complete documentation according to M1. | | A NYCA Resource Adequacy report covering the 2018-20 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 | Jan 2017-Dec 2017 | |
| B. R2: 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 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. R3: 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 list to the NYSRC in accordance with any confidentiality restrictions. A current list of NYS Bulk Power System facilities shall be submitted to RCMS, recognizing |

| Requirements | Type of Reporting** | Compliance Period | Compliance Documentation Requirements |
|--------------------|--|----------------------|---|
| | | | confidentiality protection requirements. |
| C.5: R1, R3 | Complete documentation according to M1 | | A report covering an evaluation of the fault duty at each BPS station for the 2018 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 M3 | | This certification applies to Equipment Owner evaluation of the NYISO 2018 Capability Year fault duty evaluation required by C.5 (R1). |
| C.8: R1 | Complete documentation 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. |
| D.1: R10 | Complete documentation according to M3 | | A report on the results of statewide voltage reduction tests for the 2018 summer period shall be provided. |
| F.1: R1 | Self-Certification according to M1 | | This self-certification shall be accompanied by a statement describing the NYISO process for reviewing the adequacy of the black start resources as identified by the TOs, for assuring the NYISO that the local operating systems would be restored in a safe and orderly manner and as promptly as reasonable possible following a major or total blackout, as defined by R1. In addition, in accordance with the PRR 133 Implementation Plan, the NYISO shall submit evidence that it has modified its procedures to comply with R1.5 rule changes, and has notified Black Start Providers to revise their procedures as necessary for meeting new R2 and R3 requirements. |
| F.1: R2 * | Certification according to M2 | 2017 Capability Year | The NYISO shall certify 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 | 2017 Capability Year | The NYISO certified that (1) each Black Start Provider has revised its procedures as necessary for meeting new R2 and R3 requirements in PRR 133, (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 accordingly, in accordance with R3.3, (3) it received sufficient documentation from each <i>Black Start Provider</i> showing that the <i>Black</i> |

| Requirements | Type of Reporting** | Compliance Period | Compliance Documentation Requirements |
|------------------------|------------------------------------|----------------------|--|
| | | | <i>Start Provider</i> developed required test procedures and accordingly successfully tested its black start facilities for each <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. |
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| G.1: R1,R2, R4, and R5 | Self-Certification according to M1 | | The NYISO shall provide references to documentation requiring Con Ed to provide operating procedures in accordance with R5. |
| G.1: R-3, R6 | Self-Certification according to M2 | | Provide references to NYISO procedures for ensuring adequate 10-minute reserves in NYC in accordance with R6. |
| G.1: R7 * | Certification according to M3 | 2017 Capability Year | |
| G.2: R1* | Certification according to M1 | | The NYISO shall certify that it has revised its procedures, as necessary, in accordance with PRR 139 rule revisions. The NYISO shall also submit dates and descriptions of R.1.2 required actions during the 2017 Calendar Year – when implemented by Con Ed – to the NYSRC. |
| G.2: R2 * | Self-Certification according to M2 | 2017 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 2017 Con Ed notified the NYISO when actions were taken in accordance with R.1.2 and R2, in accordance with PRR 139. |
| G.2: R3, R4 | Self-Certification according to M3 | | The NYISO shall provide evidence of NYISO procedures requiring testing of MOB duel fuel units and a list of such units, in accordance with R3. This list shall be provided to RCMS in accordance with NYISO confidentiality requirements. See PRR 131c Implementation Plan. |
| G.2: R5 | Certification according to M4 | | The NYISO certified that each applicable owner of MOB duel fuel units prepared test procedures in accordance with R5 requirements. |
| G.2: R6 | Certification according to M5 | | The NYISO certified that each applicable owner of MOB duel fuel units tested its duel fuel capability in accordance with R6 requirements. |
| G.3: R1 | Self-Certification according to M1 | | The NYISO shall certify that it has revised its procedures, as necessary, in accordance with PRR 138 rule revisions. The NYISO shall also submit dates and descriptions of R.1.2 required actions during the 2017 Calendar Year– when implemented by LIPA – to the NYSRC. |
| G.3: R2 * | Certification according to M2 | 2017 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 2017 LIPA notified the NYISO when actions were taken in accordance with R.1.2 and R2. |

| Requirements | Type of Reporting** | Compliance Period | Compliance Documentation Requirements |
|------------------|------------------------------------|-----------------------------|--|
| G.4: R1 | Self-Certification according to M1 | | The NYISO shall reference applicable procedures. |
| G.4: R2 * | Certification according to M2 | 2017 Capability 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. |
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| I.1: R3 * | Certification according to M2 | Winter 2017-18, Summer 2018 | |
| I.1: R4 * | Certification according to M3 | Summer 2018 | |
| I.2: R2 * | Certification according to M2 | Jan-Dec 2017 | |
| 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 2019-20 IRM Study. |
| I.2: R4 | Self-Certification according to M4 | | |
| I.2: R5 * | Certification according to M5 | 2017 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 2019-20 IRM Study. |
| I.4: R3 * | Certification according to M3 | January through June 2018 | |

*This is a Market Participant requirement.

** Types of compliance reporting are described in NYSRC Policy 4, Section 4.