

EXHIBIT C

STORAGE RATING TESTS - COMPANY OWNED SYSTEMS

1. **Storage Rating Test.** Vendor shall perform regular performance test on its Energy Storage System (ESS) as part of commissioning, permitting and warranty obligations. CECONY shall be entitled to be present at, any and all tests conducted under this Agreement (“Storage Rating Test”) and shall be entitled to have an independent third party witness any such testing at CECONY’s sole expense. Upon no less than ten (10) Business Days prior notice to CECONY, Vendor together with CECONY shall schedule and complete a Storage Rating Test in accordance with this Exhibit C as a condition to achieving Substantial Completion¹. All operations during testing shall be done in accordance with Good Utility Practice, Applicable Laws and Permit Requirements.
2. **Subsequent Storage Rating Tests.** Following the Substantial Completion Date, CECONY shall have the right to schedule a Storage Rating Test no more frequently than twice per calendar year; provided, however, in any calendar year CECONY shall have the right to schedule additional Storage Rating Tests no more frequently than once per month if the operating data of the Project indicates that any of the performance metrics of the Project are deficient, as reasonably determined by CECONY. If CECONY or Vendor seeks to conduct a specific Performance Test, the tests must be, at a minimum, grouped accordingly: Capacity and Round Trip Efficiency (RTE); Ramp Rate and Swing; Signal Following independently and Voltage Support Service individually.
 - a. Storage rating test should not count against the annual allotted discharge amount
3. **Test Results Reporting.**
 - a. No later than five (5) business days following any Storage Rating Test, Vendor shall submit a testing report detailing results and findings of the test. The report shall include at a minimum:
 - i. Digital plant log sheets verifying the operating conditions and output of the system, including the following data at one (1) second resolution:
 1. Time;
 2. AC current and voltage at the Energy Delivery Point;
 3. Storage system MW output in AC at the Energy Delivery Point;
 4. Storage system ramp rate as measured in MW/min at the Energy Delivery Point;
 5. Storage system MVAR at the Energy Delivery Point;
 6. Power factor at the Energy Delivery Point;
 7. Frequency as measured in Hertz at the Energy Delivery Point;
 8. SOC and Usable SOC²;
 9. DC current and voltage to be measured at or by the power conversion system; and

¹ Substantial Completion: Defined as when Con Edison can utilize the system for its intended use, which includes, but is not limited to, unmanned, remote operation.

² Usable SOC: The battery state of charge refers to the battery state of charge range the battery system must be operated within in order to deliver the rated capacity at any given time. Usable SOC may change as the batteries degrade with time and usage.

10. Additional variables that CECONY, in its sole discretion, deems relevant and request Vendor prior to the test to capture and report.
 - ii. A record of the personnel present during all or any part of the Test, whether serving in an operating, testing, monitoring or other such participatory role;
 - iii. A record of any unusual or abnormal conditions or events that occurred during the Test including any alarms and any actions taken in response thereto;
 - iv. Statement of Vendor's acceptance of the Test or Vendor's rejection of the Test results and reason(s) therefor.
 - b. Within ten (10) Business Days after receipt of such report, CECONY shall notify Vendor in writing of either CECONY's acceptance of the Test results or CECONY's rejection of the Test and reason(s) therefor. If CECONY rejects the results of any Test or Retest, CECONY may require corrective actions from the Vendor and a retest at the Vendors expense.
4. **CECONY Representative.** CECONY shall be entitled to have at least two (2) representatives from CECONY and one (1) independent third party witness present to witness each Test and shall be allowed unrestricted access to the area from where the plant is being controlled (e.g., plant control room), and unrestricted access to inspect the instrumentation necessary for Test data acquisition prior to commencement of any Test. CECONY shall be responsible for all costs, expenses and fees payable or reimbursable to its representatives and the third party, if any.

5. **Testing Protocols.**

- a. **NYISO and CECONY Coordination.** All testing shall be coordinated with the NYISO and CECONY to ensure grid conditions are available for testing conditions. Unity power factor shall be tested (power factor must be one to conduct the test) unless otherwise specified by NYISO or utility practices.

b. **Storage Rating Test Sequencing:**

i. **Storage Capacity Rating Test and Round-Trip Efficiency Test:**

STEP 1: Pre-charge batteries prior to Storage Capacity Rating Test. To commence a Storage Capacity Rating test the ESS must be charged to 100% usable SOC.

STEP 2: Initiating Storage Capacity Rating Test. CECONY shall initiate dispatch instruction for the BESS to be continuously discharged at its Maximum Rated Discharge (MW). The discharge will be terminated either by CECONY or by the system when the ESS has reached 0% Usable SOC or when the ESS can no longer sustain the Maximum Rated discharge.

STEP 3: Calculating Storage Capacity Rating. The total amount of discharged energy delivered to the Energy Delivery Point (expressed in MWh AC) during the Capacity Rating test shall be calculated by adding up the measured Discharge Rate (expressed in MW AC) multiplied by the one second time intervals (but expressed in fraction of hours).

STEP 4: Recharge after Storage Capacity Rating Test. Within two hours of the system reaching 0% usable SOC, CECONY shall initiate a dispatch instruction for the ESS to be continuously charged at its Maximum Rated Charge (MW). Charge will terminate when the ESS has reached 100% usable SOC. The total amount of charged energy delivered to the BESS at the Energy Delivery Point (expressed in MWh AC) during the charging shall be calculated by adding up the measured Discharge Rate (expressed in MW AC) multiplied by the one second time intervals (but expressed in fraction of hours).

STEP 5: Calculating Round Trip Efficiency. The total amount of discharged energy delivered to the Energy Delivery Point (expressed in MWh AC) of continuous discharge as measured in Step 2 shall be summed and divided by the total amount of charged energy (expressed in MWh AC) as measured in Step 4 during each hour of continuous charge.

The resulting ratio shall determine the Round-Trip Efficiency.

RTE shall be net of losses due to transformation.

If such transformation is not separately metered and accounted for, prior to SUBSTANTIAL COMPLETION DATE, CECONY, in its sole discretion, shall establish a protocol for netting such electric loads out of the RTE calculation.

ii. **The Storage Ramp Rate Test**

STEP 6: Pre-charging Storage prior to Storage Ramp Rate Test. To commence a Storage Ramp Rate test the ESS must be charged to 50% usable SOC.

STEP 7: Initiating Storage Ramp Up Rate Test. CECONY shall issue dispatch instruction to increase ESS output from zero (0) MW to the full rated power.

STEP 8: Calculating Storage Ramp Up Rate. Each minute following the CECONY issued dispatch instruction, a meter reading of power (as measured in MW AC) shall be taken at the Energy Delivery Point. After five (5) minutes, the corresponding five (5) distinct meter readings will be summed and then divided by five (5).

The resulting number shall be recorded as the test Ramp Up Rate.

Ramp Up Rate shall be tested four (4) times within an hour as part of the Storage Ramp Rate Test with the average of the three highest results serving as the recorded Ramp Up Rate for the test. This must conform to Regulation Up Ramp Rate (MW/min) defined in the RFP section 2.3.2.2.

STEP 9: Initiating Storage Ramp Down Rate Test. Within one hour of the Ramp Up Test, CECONY shall issue dispatch instruction to decrease the ESS output (charge the energy storage system) from zero (0) MW to the minimum rated power per section 2.3.2.2 in the RFP (Pmin).

STEP 10: Calculating Storage Ramp Down Rate. Each minute following the CECONY issued dispatch instruction, a meter reading of power (as measured in MW AC) shall be taken at the Energy Delivery Point. After five (5) minutes, the corresponding five (5) distinct meter readings will be summed and then divided by five (5).

The resulting number shall be recorded as the test Ramp Down Rate and must match the Regulation Down Ramp Rate (MW/min) defined in the RFP section 2.3.2.2.

Ramp Down Rate shall be tested four (4) times within an hour as part of the Storage Rating Test with the average of the three lowest results serving as the recorded Ramp Down Rate for the Project.

iii. Signal Following and Swing Test

STEP 11: Pre-charge the ESS prior to Storage Signal Following Test. To commence a Storage Signal Following test the ESS must be charged to 50% usable SOC.

STEP 12: Initiating the Storage Signal Following Test. CECONY shall issue a dispatch instruction to change the ESS output from zero (0) MW to a power amount (as represented in MW AC) CECONY, in its sole discretion, selects.

The ESS shall ramp to the selected power amount and hold that output amount for ten (10) minutes.

CECONY, in its sole discretion, may elect to repeat this signal following protocol up to four (4) different times to demonstrate the BESS ability to accurately follow a dispatch instruction.

STEP 13: Calculating performance of the Storage Swing Test. Each minute following the CECONY issued dispatch instruction, a meter reading of power (as measured in MW AC) shall be taken at the Energy Delivery Point.

After ten (10) minutes, each of the corresponding ten (10) distinct meter readings shall be subtracted from the power amount requested by CECONY in the dispatch instruction.

The absolute difference between the ten distinct meter readings and the power amount requested by CECONY in the dispatch instruction shall be recorded.

iv. **Storage Voltage Support Service Verification**

Prior to SUBSTANTIAL COMPLETION DATE, Owner and CECONY shall test and certify the BESS ability to both produce and absorb reactive power (collectively, “Voltage Stability Services”) as defined in the NYISO tariff. Such testing and verification shall be done in coordination with NYISO and according to the test procedures detailed by NYISO Manual 2 “Ancillary Services” or by successor requirements as determined by NYISO.

At minimum, the BESS must verify it can:

1. Produce and absorb Reactive Power within the reactive capability range defined in the RFP section 2.3.2.2,
2. Maintain a specific voltage level under both steady-state and post-contingency operating conditions, subject to the limitation of its tested reactive capability,
3. Automatically respond to voltage control signals, and
4. Successfully perform a reactive power capability tests in accordance with the NYISO procedures.

- c. **Operating Conditions During Testing.** At all times during testing, the BESS shall not be operated with abnormal operating conditions such as unstable load conditions, operation outside of regulatory restrictions or active alarms. Environmental considerations, such as ambient temperature, humidity, and barometric pressure shall not be considered limiting factors to conducting a Storage Rating Test unless those factors constitute a Force Majeure event. If abnormal operating conditions occur on the day of or during a test, Owner may postpone such test in its reasonable discretion in accordance with the following paragraph.

6. **Communications.** The end-to-end communications will be tested by sending the above signals remotely and confirming the system responds accordingly, including a read receipt upon delivery of a dispatch instruction.
7. **Incomplete or Postponed Tests.** If any test is postponed or otherwise not fully completed in accordance herewith, Owner shall repeat such test on the same date as the incomplete test, or if repeating the test on the same day is not reasonably possible, within no longer than ten (10) days after the date of the incomplete test, upon five (5) days’ prior notice to CECONY (or any shorter period reasonably acceptable to CECONY).

8. **Additional Testing Details.** Only energy discharged and delivered at the Energy Delivery Point during testing shall be included in all calculations of the Storage Ratings Test. CECONY shall cooperate with vendor to coordinate and carry out testing, including by scheduling tests and discharge events.

9. **Supplementary Storage Rating Test Protocol.** No later than sixty (60) days prior to commencing Project construction, Owner shall deliver to CECONY for its review and approval (such approval not to be unreasonably delayed or withheld) a supplement to this Exhibit BB with additional and supplementary details, procedures and requirements applicable to Storage Rating Tests based on the then current design of the Project (“Supplementary Storage Rating Test Protocol”). Thereafter, from time to time during construction, Owner may deliver to CECONY for its review and approval (such approval not to be unreasonably delayed or withheld) any Owner recommended updates to the then current Supplementary Storage Rating Test Protocol. The initial Supplementary Storage Rating Test Protocol (and each update thereto), once approved by CECONY, shall be deemed an amendment to this Exhibit BB.

***** End of EXHIBIT B *****

