

**Service Agreement No. 2628**

**SERVICE**

**AGREEMENT NO.**

**2628**

**OPERATING**

**AGREEMENT**

**BETWEEN THE**

**NEW YORK INDEPENDENT SYSTEM**

**OPERATOR, INC.**

**AND**

**NEXTERA ENERGY TRANSMISSION NEW**

**YORK, INC.**

**Dated as of May 25, 2021**

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**OPERATING AGREEMENT**

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## **OPERATING AGREEMENT**

**THIS OPERATING AGREEMENT** (“Agreement”) is made and entered into this 25th day of May, 2021, by and between NextEra Energy Transmission New York, Inc., a non-incumbent transmission owner organized and existing as a corporation under the laws of the State of New York (“NTO”), and the New York Independent System Operator, Inc., a not-for-profit corporation organized and existing under the laws of the State of New York (“ISO”). The NTO and the ISO each may be referred to as a “Party” or collectively referred to as the “Parties.”

### **WITNESSETH:**

**WHEREAS**, the ISO is an independent system operator that is responsible under its Open Access Transmission Tariff (“ISO OATT”) and its Market Administration and Control Area Services Tariff (“ISO Services Tariff”) as they may be amended from time to time (collectively, “ISO Tariffs”), and the ISO Related Agreements, filed with and accepted by the Federal Energy Regulatory Commission (“Commission”), for providing non-discriminatory, open access transmission service, maintaining reliability, performing system planning, and administering competitive wholesale markets for energy, capacity, and ancillary services in New York State;

**WHEREAS**, the NTO is the owner of certain transmission facilities specified herein that are integrated with the NYS Transmission System and the NTO has fiduciary responsibilities to its investors to assure, among other things, the receipt of adequate revenues to maintain its transmission facilities, a reasonable rate of return on its transmission facilities, and to provide for recovery of the capital invested in its transmission facilities;



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**WHEREAS**, the NTO has executed, along with this Agreement, the Independent System Operator Agreement (“ISO Agreement”) and has executed a Service Agreement(s) as a Transmission Owner for purposes of the ISO Tariffs;

**WHEREAS**, the ISO will exercise ISO Operational Control over certain of the NTO’s transmission facilities classified as “NTO Transmission Facilities Under ISO Operational Control”;

**WHEREAS**, the NTO and ISO have agreed to enter into this Agreement for the purpose of the NTO authorizing the ISO to exercise, and the ISO assuming, ISO Operational Control over the NTO Transmission Facilities Under ISO Operational Control in accordance with the requirements set forth in this Agreement, the ISO Tariffs, and the ISO Related Agreements, as applicable;

**WHEREAS**, the NTO will continue to own and be responsible for the physical operation, modification and maintenance of its NTO Transmission Facilities Under ISO Operational Control; and

**WHEREAS**, the ISO OATT will provide for the payment by Transmission Customers for Transmission Service at rates designed to enable the NTO to recover its revenue requirement to the extent allowed, accepted, or approved by FERC;

**WHEREAS**, the ISO has a comprehensive planning process for reliability needs that includes the Reliability Planning Process and the Short-Term Reliability Process, and each Transmission Owner, including the NTO, will participate in this planning process as described in the ISO OATT;





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**NOW, THEREFORE**, in consideration of the premises and the mutual covenants and agreements set forth herein, the Parties do hereby agree with each other, for themselves and their successors and assigns, as follows:



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## **ARTICLE 1.0: DEFINITIONS**

### **1.01 Capitalized Terms**

Capitalized terms that are not otherwise defined herein shall have the meaning set forth in the definitions contained in Article 1 of the ISO Agreement, as it existed on the date this Agreement is signed by the Parties. Those definitions contained in Article 1 of the ISO Agreement are hereby incorporated by reference in their entirety into this Agreement; *provided, however*, that an NTO shall be a Transmission Owner for purposes of the ISO Tariffs and this Agreement notwithstanding the definition of Transmission Owner contained in the ISO Agreement related to the ownership of 100 circuit miles of transmission in New York State and becoming a signatory to the ISO/TO Agreement. Modifications to such definitions in the ISO Agreement shall apply to this Agreement only if the Parties to this Agreement agree in writing pursuant to Section 6.14 below.



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## **ARTICLE 2.0: RESPONSIBILITIES OF THE NTO**

### **2.01 Transmission Facilities**

The NTO owns certain transmission facilities over which the ISO will have day-to-day operational control to maintain these facilities in a reliable state, as defined by the Reliability Rules and all other applicable reliability rules, standards and criteria, and in accordance with the ISO Tariffs, ISO Related Agreements and ISO Procedures (“ISO Operational Control”). These NTO facilities shall be classified as “NTO Transmission Facilities Under ISO Operational Control,” and are listed in Appendix A-1 of this Agreement. The NTO also will be responsible for providing notification to the ISO with respect to actions related to certain other transmission facilities. These facilities shall be classified as “NTO Transmission Facilities Requiring ISO Notification,” and are listed in Appendix A-2 of this Agreement. Transmission facilities may be added to, or deleted from, the lists of facilities provided in Appendices A-1 and A-2 herein by mutual written agreement of the ISO and the NTO owning and controlling such facilities. Currently listed facilities will be posted on the ISO’s OASIS.

### **2.02 Transmission System Operation**

The NTO shall be responsible for ensuring that all actions related to the operation, maintenance and modification of its facilities that are designated as NTO Transmission Facilities Under ISO Operational Control and NTO Transmission Facilities Requiring ISO Notification are performed in accordance with the terms of this Agreement, all Reliability Rules and all other applicable reliability rules, standards and criteria, all operating instructions, ISO Tariffs, and ISO Procedures.

### **2.03 Local Area Transmission System Facilities**

Transmission system facilities not designated as NTO Transmission Facilities Under ISO  
Operational Control or as NTO Transmission Facilities Requiring ISO Notification shall be

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collectively known as “Local Area Transmission System Facilities” and are listed in Appendix A-3 of this Agreement. Transmission facilities may be added to, or deleted from, the list of facilities provided in Appendix A-3 herein by mutual written agreement of the ISO and the NTO owning and controlling such facilities. The NTO shall have sole responsibility for the operation of its Local Area Transmission System Facilities, provided, however, that such operation shall comply with all Reliability Rules and ISO Tariffs as applicable, and all other applicable reliability rules, standards and criteria, and shall not compromise the reliable and secure operation of the NYS Transmission System. The NTO shall promptly comply to the extent practicable with a request from the ISO, or from the Transmission Owner(s) to which its facilities are interconnected (“Interconnecting Transmission Owner(s)” or “ITO(s)”), to take action with respect to coordination of the operation of its Local Area Transmission System Facilities.

### **2.04 Safe Operations**

Notwithstanding any other provision of this Agreement, an NTO may take, or cause to be taken, such action with respect to the operation of its facilities as it deems necessary to maintain Safe Operations. To ensure Safe Operations, the local operating rules of the ITO(s) shall govern the connection and disconnection of generation with NTO transmission facilities. Safe Operations include the application and enforcement of rules, procedures and protocols that are intended to ensure the safety of personnel operating or performing work or tests on transmission facilities.

### **2.05 Local Control Center, Metering and Telemetry**



The NTO shall operate, pursuant to ISO Tariffs, ISO Procedures, Reliability Rules and all other applicable reliability rules, standards and criteria on a twenty-four (24) hour basis, a suitable local control center(s) with all equipment and facilities reasonably required for the ISO

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to exercise ISO Operational Control over NTO Transmission Facilities Under ISO Operational Control, and for the NTO to fulfill its responsibilities under this Agreement. The NTO shall maintain the local control center(s), as well as suitable backup operations, consistent with the Reliability Rules and all other applicable reliability rules, standards and criteria to permit the ISO, as the Transmission Operator, to meet its obligations. All NTO system operators in real-time communication with the ISO or responsible for directing real-time actions on NTO Transmission Facilities Under ISO Operational Control shall be required to maintain a NERC Transmission Operator or Reliability Operator certificate. Operation of the NYS Power System is a cooperative effort coordinated by the ISO control center in conjunction with local control centers and will require the exchange of all reasonably necessary information. The NTO shall maintain Supervisory Control and Data Acquisition (“SCADA”) systems and provide the ISO with SCADA information on facilities listed in Appendices A-1 and A-2 herein as well as on generation and merchant transmission resources interconnected to the NTO’s transmission facilities pursuant to the ISO OATT.

The NTO shall provide metering data for its transmission facilities to the ISO, unless other parties are authorized by the appropriate regulatory authority to provide metering data. The NTO shall collect and submit to the ISO billing quality metering data and any other information for its transmission facilities required by the ISO for billing purposes. The NTO shall provide to the ISO the telemetry and other operating data from generation and merchant transmission resources interconnected to its transmission facilities that the ISO requires for the operation of the NYS Power System. The NTO will establish and maintain a strict code of conduct to prevent such information from reaching any unauthorized person or entity.



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## **2.06 Security Constrained Unit Commitment Adjustments**

The NTO shall coordinate with its ITO(s) as applicable regarding any request for commitment of additional Generators. If, following coordination among the NTO and its ITO(s), an additional resource(s) needs to be committed to ensure local area reliability, the NTO, or the ITO(s) at the NTO's request, may request commitment of additional Generators (including specific output level(s)). The ISO will use Supplemental Resource Evaluation ("SRE"), pursuant to ISO Tariffs and ISO Procedures, to fulfill a request from the NTO or ITO(s), as appropriate, for additional units.

## **2.07 Design, Maintenance and Rating Capabilities**

The NTO shall comply with the provisions of this Agreement, all Reliability Rules and all other applicable reliability rules, standards and criteria, ISO Procedures, and Good Utility Practice with respect to the design, maintenance and rating the capabilities of NYS Transmission System facilities.

## **2.08 Maintenance Scheduling**

The NTO shall schedule maintenance of its facilities designated as NTO Transmission Facilities Under ISO Operational Control and schedule any outages (other than forced transmission outages) of said transmission system facilities in accordance with outage schedules approved by the ISO. The NTO shall comply with maintenance schedules coordinated by the ISO, pursuant to this Agreement, for NTO Transmission Facilities Under ISO Operational Control. The NTO shall be responsible for providing notification of maintenance schedules to the ISO for NTO Transmission Facilities Requiring ISO Notification. The NTO shall provide notification of maintenance schedules to affected Transmission Owners for NTO Transmission Facilities Requiring ISO Notification and Local Area Transmission Facilities pursuant to Section



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## **2.09 NERC Registration**

The NTO shall register or enter into agreement with a NERC registered entity for all required NERC functions applicable to the NTO, that may include, without limitation, those functions designated by NERC to be: “Transmission Owner” and “Transmission Planner” and “Transmission Operator.” The Parties agree to negotiate in good faith the compliance obligations for the NERC functions applicable to, and to be performed by, each Party with respect to the NTO’s facilities. Notwithstanding the foregoing, the ISO shall register for the “Transmission Operator” function for all NTO Transmission Facilities under ISO Operational Control identified in Appendix A-1 of this Agreement.

## **2.10 Investigations and Restoration**

The NTO shall promptly conduct investigations of equipment malfunctions and failures and forced transmission outages in a manner consistent with applicable FERC, PSC, NRC, NERC, NPCC and NYSRC rules, principles, guidelines, standards and requirements, ISO Procedures and Good Utility Practice. The NTO shall supply the results of such investigations to the NYSRC, the ISO, and, pursuant to Section 3.5.3 of the ISO Services Tariff, the other Transmission Owners. Following a total or partial system interruption, restoration shall be coordinated between the ISO control center and local control centers. The local control centers shall have the authority, in coordination with the ISO, to restore the system and to re-establish service if doing so would minimize the period of service interruption. The NTO shall determine the level of resources to be applied to restore facilities to service following a failure, malfunction, or forced transmission outage.

## **2.11 Information and Support**

The NTO shall obtain from the ISO, and the ISO shall provide to the NTO, the necessary information and support services to comply with their obligations under this Article.

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## **2.12 Performance of Obligation by Third Parties**

The NTO may arrange for one or more third parties to perform its responsibilities under this Agreement; *provided, however*, that the NTO shall require each such third party to agree in writing to comply with all applicable terms and conditions of this Agreement; *provided, further*, that in all cases the NTO shall be responsible for the acts and omissions of each such third party to the same extent as if such acts and omissions were made by the NTO or its employees, and such use of a third party shall not relieve the NTO of its responsibilities under this Agreement. Notwithstanding the foregoing, the NTO shall have the right to assign this entire Agreement pursuant to the terms of Article 4.0 hereof.

## **2.13 Comprehensive Planning Process for Reliability Needs**

- a. Notwithstanding any provision, including Section 3.08(e) contained in this Agreement, the NTO acknowledges its obligations described in the ISO's Reliability Planning Process set forth in Attachment Y of the ISO OATT and in the Short-Term Reliability Process set forth in Attachment FF of the ISO OATT, that arise when the ISO designates the NTO as a "Responsible Transmission Owner," pursuant to Section 31.2.4.3 of the ISO OATT or Attachment FF of the ISO OATT, to address a reliability need(s) related to the transmission facilities that the NTO owns and that are subject to this Agreement.
- b. The NTO's obligations described in Section 2.13(a) above shall be subject to the full recovery in wholesale rates on a current basis by the NTO, in accordance with the rate mechanism set forth in Section 6.10 of the ISO OATT (Rate Schedule 10) or Section 6.16 of the ISO OATT (Rate Schedule 16), of all reasonably incurred



costs, including a reasonable return on investment and any applicable regulatory incentives, related to the preparation of a proposal for, and the development,

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construction, operation, and maintenance of, regulated transmission projects undertaken, or caused to be undertaken, by the NTO to meet a reliability need identified in the ISO's Reliability Planning Process or Short-Term Reliability Process as a result of being designated as the Responsible Transmission Owner, including those regulated transmission projects that were subsequently determined by the ISO not to be necessary to meet a reliability need or that cannot be completed because of the failure to obtain necessary federal, state, or local authorizations or for any other circumstance beyond the NTO's reasonable control;

- c. The NTO's obligations described in Section 2.13(a) above shall be further conditioned on:
1. The recovery of transmission-related costs in rates, as provided for in Section 2.13(b) above, will include, but not be limited to, all reasonable costs related to (i) obtaining or attempting to obtain all federal, state and local authorizations necessary for completion of the project included in the Comprehensive Reliability Plan and (ii) acquiring or attempting to acquire all necessary real property rights for such project;
  2. The receipt by the NTO of all federal, state, and local authorizations necessary for completion of the regulated transmission project and acquisition by the NTO of all necessary property rights; and
  3. The right of the NTO to request any incentives available under regulatory policies related to investments in transmission projects as part of any filing under rates as provided for in Section 2.13(b) above.



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- d. Nothing contained in Section 2.13 of this Agreement shall limit the right of the NTO to protest, comment on, or engage in litigation before FERC, the New York Public Service Commission, or any court with respect to proposed changes to the Reliability Planning Process.



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## **ARTICLE 3.0: RESPONSIBILITIES OF THE ISO**

### **3.01 Operation and Coordination**

The ISO shall direct the operation of, coordinate the maintenance scheduling of, and coordinate the planning of certain facilities of the NYS Power System, including coordination with the control center(s) maintained by or on behalf of the NTO, in accordance with the Reliability Rules and all other applicable reliability rules, standards and criteria, as follows:

- a. Administering Control Area operations of the NYS Power System;
- b. Performing balancing of Generation and Load while ensuring the safe, reliable and efficient operation of the NYS Power System;
- c. Exercising ISO Operational Control over certain facilities of the NYS Power System under normal operating conditions and system Emergencies to maintain system reliability;
- d. Coordinating the NYS Power System equipment outages and maintenance and maintaining the safety and short term reliability of the NYS Power System; and
- e. Conducting the Reliability Planning Process in accordance with Attachment Y of the ISO OATT and the Short-Term Reliability Process in accordance with Attachment FF of the ISO OATT.

### **3.02 Tariff Administration and Performance of Responsibilities Under ISO Related Agreements**

The ISO shall (a) administer the ISO OATT, the ISO Services Tariff and the ISO Agreement in accordance with their provisions as they may be amended from time to time, and (b) shall comply with the provisions of this Agreement, the ISO/TO Agreement, the NYSRC Agreement and the ISO/NYSRC Agreement.



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### **3.03 Granting of Authority**

The ISO responsibilities set forth in Article 3 of this Agreement, are granted by the NTO to the ISO only so long as each of the conditions set forth below is met and continues to be met throughout the term of this Agreement:

- a. The ISO fully implements all Reliability Rules and all other applicable reliability rules, standards and criteria including, without limitation, using all reasonable efforts to require all Market Participants to maintain applicable levels of Installed Capacity and Operating Capacity, consistent with the ISO OATT, the ISO Services Tariff, all Reliability Rules and all other applicable reliability rules, standards and criteria;
- b. The ISO has a FERC-accepted transmission tariff(s) and rate schedules which provide(s) for full recovery of the transmission revenue requirement of the NTO to the extent allowed, accepted or approved by FERC;
- c. The ISO does not act in violation of lawful PSC or FERC Orders;
- d. The ISO does not have a financial interest in any commercial transaction involving the use of the NYS Power System or any other electrical system except to the limited extent required for the ISO to be the single counterparty to market transactions in accordance with the credit requirements for organized wholesale electric markets set forth in Commission Order Nos. 741 and 741-A as codified in 18 C.F.R. § 35.47 (2011) or successor provisions;
- e. The ISO distributes revenues from the collection of transmission charges to the NTO in a timely manner; and
- f. The ISO enforces and complies with the creditworthiness and collection standards





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### **3.04 Collection and Billing**

The ISO shall facilitate and/or perform the billing and collection of revenues related to services provided by the ISO pursuant to the terms of the ISO OATT and the ISO Services Tariff.

### **3.05 Proposed Material Modifications to the NYS Power System**

Pursuant to the requirements of applicable provisions of the ISO OATT, ISO Related Agreements and ISO Procedures, the ISO shall evaluate the impact of any proposed material modification to the NYS Power System. Any proposed material modification to the NTO's facilities must satisfy the requirements of applicable provisions of the ISO OATT, NYSRC and ISO/NYSRC Agreements, ISO Procedures, and this Agreement. In the event of a dispute regarding the impact of the proposed modification, the ISO or the NTO may refer the issue for resolution pursuant to procedures set forth in Article 11 of the ISO Services Tariff, as such procedures may be amended from time to time.

### **3.06 OASIS**

The ISO shall maintain the OASIS for the New York Control Area.

### **3.07 NERC Registration**

If and to the extent any of the NTO's facilities are NERC jurisdictional facilities, the ISO will register for certain NERC functions applicable to those NTO facilities. Such functions may include, without limitation, those functions designated by NERC to be "Reliability Coordinator" and "Balancing Authority" and "Transmission Planner" and "Planning Coordinator." The Parties agree to negotiate in good faith the compliance obligations for the NERC functions applicable to, and to be performed by, each Party with respect to the NTO's facilities.

Notwithstanding the foregoing, the ISO shall register for the "Transmission Operator" function



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for all NTO Transmission Facilities under ISO Operational Control identified in Appendix A-1 of this Agreement.

### **3.08 NTO's Reserved Rights**

Notwithstanding any other provision of this Agreement with the exception of Section 2.13 above, the NTO shall retain all of the rights set forth in this Section; provided, however, that such rights shall be exercised in a manner consistent with the NTO's rights and obligations under the Federal Power Act and the Commission's rules and regulations thereunder. This Section is not intended to reduce or limit any other rights of the NTO as a signatory to this Agreement or any of the ISO Related Agreements or under an ISO Tariff.

- a. The NTO shall have the right at any time unilaterally to file pursuant to Section 205 of the Federal Power Act to change the ISO OATT, a Service Agreement under the ISO OATT, or the ISO Agreement to the extent necessary: (i) to recover all of its reasonably incurred costs, plus a reasonable return on investment related to services under the ISO OATT and (ii) to accommodate implementation of, and changes to, an NTO's retail access program.
- b. Nothing in this Agreement shall restrict any rights, to the extent such rights exist:
  - (i) of the NTO that is a party to a merger, acquisition or other restructuring transaction to make filings under Section 205 of the Federal Power Act with respect to the reallocation or redistribution of revenues among Transmission Owners or the assignment of its rights or obligations, to the extent the Federal Power Act requires such filings; or
  - (ii) of the NTO to terminate its participation in the ISO pursuant to Section 3.02 of the ISO Agreement or Article 6 of this

Agreement, notwithstanding any effect its withdrawal from the ISO may have on the distribution of transmission revenues among other Transmission Owners.

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- c. The NTO retains all rights that it otherwise has incident to its ownership of its assets, including, without limitation, its transmission facilities including, without limitation, the right to build, acquire, sell, merge, dispose of, retire, use as security, or otherwise transfer or convey all or any part of its assets, including, without limitation, the right to amend or terminate the NTO's relationship with the ISO in connection with the creation of an alternative arrangement for the ownership and/or operation of its transmission facilities on an unbundled basis (e.g., a transmission company), subject to necessary regulatory approvals and to any approvals required under applicable provisions of this Agreement.
- d. The obligation of the NTO to expand or modify its transmission facilities in accordance with the ISO OATT shall be subject to the NTO's right to recover, pursuant to appropriate financial arrangements contained in Commission-accepted tariffs or agreements, all reasonably incurred costs, plus a reasonable return on investment, associated with constructing and owning or financing such expansions or modifications to its facilities.
- e. Except as provided in Section 2.13 above, the responsibilities granted to the ISO under this Agreement shall not expand or diminish the responsibilities of the NTO to modify or expand its transmission system, nor confer upon the ISO the authority to direct the NTO to modify or expand its transmission system.
- f. The NTO shall have the right to construct (or cause to be constructed), invest in, and own any regulated transmission facilities that the ISO determines are required to meet a reliability need identified by the Reliability Planning Process or the Short-Term Reliability Process, so long as the appropriate regulatory agency(ies)



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has granted its approval. The costs associated with any such transmission facilities shall be recovered in rates as provided for in Section 2.13(b) above and the ISO OATT.

- g. The NTO shall have the right to adopt and implement procedures it deems necessary to protect its electric facilities from physical damage or to prevent injury or damage to persons or property.
- h. The NTO retains the right to take whatever actions it deems necessary to fulfill its obligations under local, state or federal law.
- i. Nothing in this Agreement shall be construed as limiting in any way the rights of the NTO to make any filing with the PSC.
- j. Notwithstanding anything to the contrary in this Agreement, no amendment to any provision of this Section may be adopted without the agreement of the NTO.

### **3.09 Retention of Non-Transferred Obligations**

Any and all other rights and responsibilities of the NTO related to the ownership or operation of its transmission assets or to its rights to withdraw its assets from ISO control, that have not been specifically transferred to the ISO under this Agreement or otherwise addressed under this Agreement, will remain with the NTO.





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#### **ARTICLE 4.0: ASSIGNMENT**

##### **4.01 Assignments by the NTO or the ISO**

This Agreement cannot be assigned by the ISO. This Agreement may be assigned by the NTO including, without limitation, to any entity(ies) in connection with a merger, consolidation, reorganization or change in the organizational structure of the assigning Party, provided that the surviving entity(ies) agree, in writing, to be bound by the terms of this Agreement.



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## **ARTICLE 5.0: LIMITATION OF LIABILITY AND INDEMNIFICATION**

### **5.01 Limitations of Liability**

Except as otherwise provided under the ISO OATT, the NTO shall not be liable (whether based on contract, indemnification, warranty, tort, strict liability or otherwise) to the ISO, any Market Participant, any third party or other party for any damages whatsoever, including without limitation, special, indirect, incidental, consequential, punitive, exemplary or direct damages resulting from any act or omission in any way associated with this Agreement, except to the extent the NTO is found liable for gross negligence or intentional misconduct, in which case the NTO shall not be liable for any special, indirect, incidental, consequential, punitive or exemplary damages. Nothing in this Section will excuse an NTO from an obligation to pay for services provided to the NTO by the ISO or to pay any deficiency payments, penalties, or sanctions imposed by the ISO under the ISO OATT or the ISO Services Tariff. The ISO shall not be liable to the NTO or any other party for any damages resulting from any act or omission in any way associated with this Agreement, except to the extent provided for under the ISO OATT.

### **5.02 Additional Limitations of Liability**

Except as otherwise provided under the ISO OATT, the NTO shall not be liable for any indirect, consequential, exemplary, special, incidental or punitive damages including, without limitation, lost revenues or profits, the cost of replacement power or the cost of capital, even if such damages are foreseeable or the damaged party has been advised of the possibility of such damages and regardless of whether any such damages are deemed to result from the failure or inadequacy of any exclusive or other remedy. The ISO shall not be liable to the NTO or any other party for any damages resulting from any act or omission in any way associated with this Agreement, except to the extent provided for under the ISO OATT.



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### **5.03 Indemnification**

Each Party shall at all times indemnify, save harmless and defend the other Party, including their directors, officers, employees, trustees, and agents, or each of them, from and against all claims, demands, losses, liabilities, judgments, damages (including, without limitation, any consequential, incidental, direct, special, indirect, exemplary or punitive damages and economic costs), and related costs and expenses (including, without limitation, reasonable attorney and expert fees, and disbursements incurred by the Party in any actions or proceedings between the Party and a Market Participant, or any other third party) arising out of or related to the ISO's or the NTO's acts or omissions related in any way to the NTO's ownership or operation of its transmission facilities when such acts or omissions are either (1) pursuant to or consistent with ISO Procedures or direction; or (2) in any way related to the NTO's or the ISO's performance under the ISO OATT, the ISO Services Tariff, the ISO Agreement, the ISO/NYSRC Agreement, NYSRC Agreement, or this Agreement; *provided, however*, that the NTO shall not have any indemnification obligation under this Section 5.02 with respect to any loss to the extent the loss results from the gross negligence or intentional misconduct of the ISO; *provided, further*, that the ISO shall not have any indemnification obligation under this Section 5.02 with respect to any loss except to the extent the loss results from the gross negligence or intentional misconduct of the ISO.

### **5.04 Force Majeure**

Each Party shall not be considered to be in default or breach under this Agreement, and shall be excused from performance or liability for damages to any other party, if and to the extent it shall be delayed in or prevented from performing or carrying out any of the provisions of this

Agreement, except the obligation to pay any amount when due, arising out of or from any act, omission, or circumstance occasioned by or in consequence of any act of God, labor disturbance,

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failure of contractors or suppliers of materials, act of the public enemy, war, invasion, insurrection, riot, fire, storm, flood, ice, explosion, breakage or accident to machinery or equipment or by any other cause or causes beyond such Party's reasonable control, including any curtailment, order, regulation, or restriction imposed by governmental, military or lawfully established civilian authorities, or by the making of repairs necessitated by an emergency circumstance not limited to those listed above upon the property or equipment of the ISO or any party to the ISO Agreement. Nothing contained in this Article shall relieve any entity of the obligations to make payments when due hereunder or pursuant to a Service Agreement. Any party claiming a force majeure event shall use reasonable diligence to remove the condition that prevents performance, except the settlement of any labor disturbance shall be in the sole judgment of the affected party.

### **5.05 Claims by Employees and Insurance**

Each Party shall be solely responsible for and shall bear all of the costs of claims by its own employees, contractors, or agents arising under and covered by, any workers' compensation law. Each Party shall furnish, at its sole expense, such insurance coverage and such evidence thereof, or evidence of self-insurance, as is reasonably necessary to meet its obligations under this Agreement.

### **5.06 Survival**

The provisions of this Article, "Limitations of Liability and Indemnification" shall survive the termination or expiration of this Agreement or the ISO Tariffs.





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## **ARTICLE 6.0: OTHER PROVISIONS**

### **6.01 Term and Termination for Cause**

This Agreement shall become effective upon the execution of this Agreement by the NTO and the ISO and on the later of: (i) the date on which FERC, the PSC and any other regulatory agency having jurisdiction accepts this agreement without condition or material modification and grants all approvals needed to place the NTO's facilities in service, including, without limitation, any approvals required under Section 70 of the Public Service Law and Section 203 of the FPA; or (ii) on such later date specified by FERC. Without waiving or limiting any of its other rights under this Article, if the NTO determines that any of the conditions set forth in Section 3.03 hereof is not being met or ceases to be in full force and effect the NTO may terminate this Agreement, withdraw from the ISO Agreement and the ISO Tariffs, and withdraw its assets from the ISO's control and administration on ninety (90) days prior written notice to the ISO and FERC. Such notice shall identify the condition or conditions set forth in Section 3.03 that have not been met or no longer are in full force and effect; provided, however, that prior to the filing of such notice, the ISO shall be advised of the specific condition or conditions that are no longer in full force and effect, and the ISO shall have the opportunity to restore the effectiveness of the condition or conditions identified within a thirty (30) day period. If the effectiveness of the condition or conditions is not restored within thirty (30) days, the NTO may file a notice of termination with the ISO and FERC; provided, however, that if the ISO demonstrates that it has made a good faith effort but has been unable to restore the effectiveness of the condition or conditions within the thirty (30) day period, the ISO shall be provided an additional thirty (30) day period to restore the effectiveness of the condition or conditions and

the NTO may not file the notice of termination until the expiration of the second thirty (30) day period. The NTO's termination of this Agreement under this Section shall be effective ninety

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(90) days after the filing of the notice of termination unless FERC finds that such termination of the NTO is contrary to the public interest, as that standard has been judicially construed under the Mobile-Sierra doctrine. However, the NTO may withdraw the notice or extend the termination date. Nothing in this section shall be construed as a voluntary undertaking by the NTO to remain a Party to this Agreement after the expiration of its notice of termination.

**6.02 Termination by Election**

The NTO may terminate this Agreement, withdraw from the ISO Agreement and the ISO Tariffs, and withdraw its assets from the ISO control and administration upon ninety (90) days written notice to the ISO Board and FERC. Such termination and withdrawal shall be effective unless FERC finds that such termination and withdrawal is contrary to the public interest, as that standard has been judicially construed under the Mobile-Sierra doctrine. Any modification to this Article shall provide the NTO with the right to terminate this Agreement pursuant to the unmodified provisions of this Article, within ninety (90) days of the effective date of such modification.

**6.03 Obligations after Termination**

- a. Following termination of this Agreement, a Party shall remain liable for all obligations arising hereunder prior to the effective date of termination, including all obligations accrued prior to the effective date, imposed on the Party by this Agreement or the ISO Tariffs or other ISO Related Agreements.
- b. Termination of this Agreement shall not relieve the NTO of any continuing obligation it may have under the ISO Tariffs and ISO Related Agreements, unless the NTO also withdraws from the ISO Tariffs or ISO Related Agreements.



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#### **6.04 Winding Up**

Any provision of this Agreement that expressly or by implication comes into or remains in force following the termination of this Agreement shall survive such termination. The surviving provisions shall include, but shall not be limited to: (i) those provisions necessary to permit the orderly conclusion, or continuation pursuant to another agreement, of transactions entered into prior to the termination of this Agreement, (ii) those provisions necessary to conduct final billing, collection, and accounting with respect to all matters arising hereunder, and (iii) the indemnification and limitation of liability provisions as applicable to periods prior to such termination. The ISO and the terminating NTO shall have an obligation to make a good faith effort to agree upon a mutually satisfactory termination plan. Such plan shall have among its objectives an orderly termination. The plan shall address, to the extent necessary, the allocation of any costs directly related to the termination by the NTO.

#### **6.05 Confidentiality**

- A. Party Access. Each Party shall supply information to the other Party as required by this Agreement. Information shall be treated as Confidential Information under this Agreement if (i) it has been clearly marked or otherwise designated as “Confidential information” by the Party supplying the information, or (ii) it is information designated as Confidential Information by applicable provisions of the ISO Tariffs; *provided, however*, Confidential Information does not include information: (i) in the public domain or that has been previously publicly disclosed without violation of this Agreement, (ii) required by law to be publicly submitted or disclosed (with notice to the other Party), or (iii) necessary to be divulged in an action to enforce this Agreement.



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Notwithstanding anything in this Section to the contrary, the NTO shall not have a right hereunder to receive or review any documents, data or other information of another Market Participant or the ISO, including documents, data or other information provided to the ISO, to the extent such documents, data or information have been designated as confidential pursuant to the procedures specified in the ISO Tariffs or to the extent that they have been designated as confidential by such other Market Participant; *provided, however*, that the NTO may receive and review any composite documents, data and other information that may be developed based on such confidential documents, data or information if the composite does not disclose any individual Market Participant's confidential data or information.

- B. Required Disclosure. The ISO shall treat any Confidential Information it receives from the NTO in accordance with applicable provisions of the ISO Tariffs. If the NTO receives Confidential Information from the ISO, it shall hold such information in confidence, employing at least the same standard of care to protect the Confidential Information obtained from the ISO as it employs to protect its own Confidential Information. Each Party shall not disclose the other Party's Confidential Information to any third party or to the public without prior written authorization of the Party providing the information; *provided, however*, if the ISO is required by applicable law, or in the course of administrative or judicial proceedings, or subpoena, to disclose information that is otherwise required to be maintained in confidence pursuant to this Section, the ISO will do so in accordance with applicable provisions of the ISO Tariffs. And if the NTO is required by applicable law, or in the course of administrative or judicial proceedings, or subpoena, to disclose information that is otherwise required to be





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maintained in confidence pursuant to this Section, the NTO may make disclosure of such information; provided, however, that as soon as the NTO learns of the disclosure requirement and prior to making such disclosure, the NTO shall notify the ISO of the requirement and the terms thereof and the ISO may, at its sole discretion and cost, assert any challenge to or defense against the disclosure requirement and the NTO shall cooperate with the ISO to the maximum extent practicable to minimize the disclosure of the information consistent with applicable law. Each Party shall cooperate with the Other Party to obtain proprietary or confidential treatment of such information by the person to whom such information is disclosed prior to any such disclosure.

### **6.06 Governing Law; Jurisdiction**

The interpretation and performance of this Agreement shall be in accordance with and shall be controlled by the laws of the State of New York as though this Agreement is made and performed entirely in New York. With respect to any claim or controversy arising from this Agreement or performance hereunder within the subject matter jurisdiction of the Federal or State courts of the State of New York, the Parties consent to the exclusive jurisdiction and venue of said courts.

### **6.07 Headings**

The section headings herein are for convenience and reference only and in no way define or limit the scope of this Agreement or in any way affect its provisions. Whenever the terms hereto, hereunder, herein or hereof are used in this Agreement, they shall be construed as referring to this entire Agreement, rather than to any individual section, subsection or sentence.



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#### **6.08 Mutual Agreement**

Nothing in this Agreement is intended to limit the Parties' ability to mutually agree upon taking a course of action different than that provided for herein; provided that doing so will not adversely affect any other Parties' rights under this Agreement.

#### **6.09 Contract Supremacy**

In the case of a conflict between the express terms of this Agreement and the terms of the ISO Agreement, the express terms of this Agreement shall prevail.

#### **6.10 Additional Remedies**

The Parties agree that remedies at law will be inadequate to protect the interests of the NTO and that irreparable damage would occur in the event that any of the provisions of this Agreement were not performed by the ISO in accordance with their specific terms or were otherwise breached. Accordingly, it is agreed that the NTO shall be entitled to an injunction or injunctions to prevent breaches of this Agreement or an ISO Tariff by the ISO, and specific performance to enforce specifically the terms and provisions thereof in any court of the United States or any state having jurisdiction, this being in addition to any other remedy to which the NTO is entitled at law or in equity.

#### **6.11 No Third Party Rights**

Nothing in this Agreement, express or implied, is intended to confer on any person, other than the Parties hereto, any rights or remedies under or by reason of this Agreement.

#### **6.12 Not Partners**

Nothing contained in this Agreement shall be construed to make the Parties partners or joint venturers or to render either Party liable for the debts or obligations of the other Party.



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### **6.13 Waiver**

Any waiver at any time of the rights of either Party as to any default or failure to require strict adherence to any of the terms herein, on the part of the other Party to this Agreement or as to any other matters arising hereunder shall not be deemed a waiver as to any default or other matter subsequently occurring.

### **6.14 Modification**

This Agreement is subject to change under Section 205 of the Federal Power Act, as that section may be amended or superseded, upon the mutual written agreement of the Parties. Absent mutual agreement of the Parties, it is the intent of this Section 6.14 that, to the maximum extent permitted by law, the terms and conditions set forth in Sections 2.01, 2.13, 3.03, 3.08, 3.09, 4.01, 5.01, 5.02, 5.03, 5.04, 5.05, 5.06, 6.01, 6.02, 6.09 and 6.14 of this Agreement shall not be subject to change, regardless of whether such change is sought (a) by the Commission acting sua sponte on behalf of either Party or third party, (b) by a Party, (c) by a third party, or (d) in any other manner; subject only to an express finding by the Commission that such change is required under the public interest standard under the Mobile-Sierra doctrine. Any other provision of this Agreement may be changed pursuant to a filing with FERC under Section 206 of the Federal Power Act and a finding by the Commission that such change is just and reasonable.

### **6.15 Counterparts**

This Agreement may be executed in counterparts, neither one of which needs to be executed by both Parties, and this Agreement shall be binding upon both Parties with the same force and effect as if both Parties had signed the same document, and each such signed counterpart shall constitute an original of this Agreement.



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IN WITNESS WHEREOF, each of the Parties hereto has caused this Agreement to be executed in its corporate name by its proper officers as of the date first written above.

**New York Independent System Operator, Inc.**

By: \_\_\_\_\_

Name: Rick Gonzales

Title: Chief Operating Officer

Date: \_\_\_\_\_

**NextEra Energy Transmission New York, Inc.**

By: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_





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**APPENDIX A-1**

**LISTING OF NTO TRANSMISSION FACILITIES  
UNDER ISO OPERATIONAL CONTROL\***

<b>EQUIPMENT NAME</b>	<b>FROM BUS NAME</b>	<b>FROM BUS KV</b>	<b>TO BUS NAME</b>	<b>TO BUS KV</b>
LINE SEGMENT # ND1 <sup>±</sup>	NIAGARA	345	DYSINGER	345
LINE SEGMENT # ND2 <sup>±</sup>	NIAGARA	345	DYSINGER	345
LINE SEGMENT # DH1 <sup>±</sup>	DYSINGER	345	STATION 255	345
LINE SEGMENT # DH2 <sup>±</sup>	DYSINGER	345	STATION 255	345
LINE # DES1	DYSINGER	345	EAST STOLLE RD	345
LINE # STL1 <sup>±</sup>	EAST STOLLE RD	345	STOLLE RD	345
LINE # 38 <sup>±</sup>	DYSINGER	345	KINTIGH	345
LINE # 39 <sup>±</sup>	DYSINGER	345	KINTIGH	345
LINE # 29 <sup>±</sup>	EAST STOLLE RD	345	FIVE MILE	345
PAR	DYSINGER	345		
SR REACT	EAST STOLLE RD	345		

\* The transmission facilities listed in this Appendix A-1 that are not in-service as of the effective date of this Agreement will be completed and placed in service by the NTO in accordance with the applicable development agreement entered into by the parties concerning such facilities. If, subsequent to the execution of this Agreement, there are any material changes to the transmission facilities listed in this Appendix A-1, the NTO and ISO shall update this Appendix A-1 in accordance with Section 2.01 of this Agreement.

<sup>±</sup> The NTO owns a portion of the transmission facility.


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**APPENDIX A-2**

**LISTING OF NTO TRANSMISSION FACILITIES  
REQUIRING ISO NOTIFICATION**



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**APPENDIX A-3**

**LISTING OF NTO LOCAL AREA TRANSMISSION SYSTEM FACILITIES**



**SERVICE AGREEMENT NO. 2710**

**SERVICE AGREEMENT NO. 2710**  
**MERCHANT TRANSMISSION FACILITY**  
**INTERCONNECTION AGREEMENT**  
**AMONG THE**  
**NEW YORK INDEPENDENT SYSTEM OPERATOR, INC.**  
**AND**  
**NEW YORK POWER AUTHORITY**  
**AND**  
**CHPE LLC**  
**Dated as of June 3, 2022**  
**(Champlain Hudson Power Express)**



**SERVICE AGREEMENT NO. 2710**

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## **SERVICE AGREEMENT NO. 2710**

### **MERCHANT TRANSMISSION FACILITY INTERCONNECTION AGREEMENT**

**THIS MERCHANT TRANSMISSION FACILITY INTERCONNECTION AGREEMENT** (“Agreement”) is made and entered into this 3rd day of June 2022, by and among CHPE LLC, a limited liability company organized and existing under the laws of the State of New York (“Developer”), the New York Independent System Operator, Inc., a not-for-profit corporation organized and existing under the laws of the State of New York (“NYISO”), and New York Power Authority a corporate municipal instrumentality organized and existing under the laws of the State of New York (“Connecting Transmission Owner”). Developer, the NYISO, or Connecting Transmission Owner each may be referred to as a “Party” or collectively referred to as the “Parties.”

#### **RECITALS**

**WHEREAS**, NYISO operates the New York State Transmission System and Connecting Transmission Owner owns certain facilities included in the New York State Transmission System;

**WHEREAS**, Developer’s proposed 1000 MW HVDC transmission facility (NYISO Queue No. 631) and its proposed 250 MW expansion of the transmission facility (NYISO Queue No. 887) are participating in the Class Year Interconnection Facilities Study for Class Year 2021, and both projects are collectively the Merchant Transmission Facility subject to this Agreement as detailed in Appendix C to this Agreement;

**WHEREAS**, Developer intends to own, lease and/or control and operate the Merchant Transmission Facility; and

**WHEREAS**, Developer, NYISO, and Connecting Transmission Owner have agreed to enter into this Agreement for the purpose of interconnecting the Merchant Transmission Facility with the New York State Transmission System;

**NOW, THEREFORE**, in consideration of and subject to the mutual covenants contained herein, it is agreed:

#### **ARTICLE 1. DEFINITIONS**

Whenever used in this Agreement with initial capitalization, the following terms shall have the meanings specified in this Article 1. Terms used in this Agreement with initial capitalization that are not defined in this Article 1 shall have the meanings specified in Section 1 of the ISO OATT, Section 30.1 of Attachment X of the ISO OATT, Section 25.1.2 of Attachment S of the ISO OATT, the body of the LFIP or the body of this Agreement.

**Affected System** shall mean an electric system other than the transmission system owned, controlled or operated by the Connecting Transmission Owner that may be affected by the proposed interconnection.

**Affected System Operator** shall mean the entity that operates an Affected System.

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**Affected Transmission Owner** shall mean the New York public utility or authority (or its designated agent) other than the Connecting Transmission Owner that (i) owns facilities used for the transmission of Energy in interstate commerce and provides Transmission Service under the Tariff, and (ii) owns, leases or otherwise possesses an interest in a portion of the New York State Transmission System where System Deliverability Upgrades, System Upgrade Facilities, or Network Upgrade Facilities are or will be installed pursuant to Attachment P, Attachment X, Attachment Z, or Attachment S to the ISO OATT.

**Affiliate** shall mean, with respect to a person or entity, any individual, corporation, partnership, firm, joint venture, association, joint-stock company, trust or unincorporated organization, directly or indirectly controlling, controlled by, or under common control with, such person or entity. The term “control” shall mean the possession, directly or indirectly, of the power to direct the management or policies of a person or an entity. A voting interest of ten percent or more shall create a rebuttable presumption of control.

**Ancillary Services** shall mean those services that are necessary to support the transmission of Capacity and Energy from resources to Loads while maintaining reliable operation of the New York State Transmission System in accordance with Good Utility Practice.

**Applicable Laws and Regulations** shall mean all duly promulgated applicable federal, state and local laws, regulations, rules, ordinances, codes, decrees, judgments, directives, or judicial or administrative orders, permits and other duly authorized actions of any Governmental Authority, including but not limited to Environmental Law.

**Applicable Reliability Councils** shall mean the NERC, the NPCC and the NYSRC.

**Applicable Reliability Standards** shall mean the requirements and guidelines of the Applicable Reliability Councils, and the Transmission District to which the Developer’s Merchant Transmission Facility is directly interconnected, as those requirements and guidelines are amended and modified and in effect from time to time; provided that no Party shall waive its right to challenge the applicability or validity of any requirement or guideline as applied to it in the context of this Agreement.

**Attachment Facilities** shall mean the Connecting Transmission Owner’s Attachment Facilities and the Developer’s Attachment Facilities. Collectively, Attachment Facilities include all facilities and equipment between the Merchant Transmission Facility and the Point of Interconnection, including any modification, additions or upgrades that are necessary to physically and electrically interconnect the Merchant Transmission Facility to the New York State Transmission System. Attachment Facilities are sole use facilities and shall not include Stand Alone System Upgrade Facilities, Distribution Upgrades, System Upgrade Facilities or System Deliverability Upgrades.

**Base Case** shall mean the base case power flow, short circuit, and stability data bases used for the Interconnection Studies by NYISO, Connecting Transmission Owner or Developer; described in Section 30.2.3 of the Standard Large Facility Interconnection Procedures.

**Breach** shall mean the failure of a Party to perform or observe any material term or condition of this Agreement.

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**Breaching Party** shall mean a Party that is in Breach of this Agreement.

**Business Day** shall mean Monday through Friday, excluding federal holidays.

**Byway** shall mean all transmission facilities comprising the New York State Transmission System that are neither Highways nor Other Interfaces. All transmission facilities in Zone J and Zone K are Byways.

**Calendar Day** shall mean any day including Saturday, Sunday or a federal holiday.

**Capacity Region** shall mean one of four subsets of the Installed Capacity statewide markets comprised of (1) Rest of State (*i.e.*, Load Zones A through F); (2) Lower Hudson Valley (*i.e.*, Load Zones G, H and I); (3) New York City (*i.e.*, Load Zone J); and (4) Long Island (*i.e.*, Load Zone K), except for Class Year Interconnection Facility Studies conducted prior to Class Year 2012, for which “Capacity Region” shall be defined as set forth in Section 25.7.3 of Attachment S to the ISO OATT.

**Capacity Resource Interconnection Service (“CRIS”)** shall mean the service provided by NYISO to Developers that satisfy the NYISO Deliverability Interconnection Standard or that are otherwise eligible to receive CRIS in accordance with Attachment S to the ISO OATT; such service being one of the eligibility requirements for participation as a NYISO Installed Capacity Supplier.

**Class Year Deliverability Study** shall mean an assessment, conducted by the NYISO staff in cooperation with Market Participants, to determine whether System Deliverability Upgrades are required for Class Year CRIS Projects under the NYISO Deliverability Interconnection Standard.

**Commercial Operation** shall mean the status of a Merchant Transmission Facility that has commenced transmitting electricity for sale, excluding electricity transmitted during Trial Operation.

**Commercial Operation Date** of a unit shall mean the date on which the Merchant Transmission Facility commences Commercial Operation as agreed to by the Parties, notice of which must be provided to the NYISO in the form of Appendix E-2 to this Agreement.

**Confidential Information** shall mean any information that is defined as confidential by Article 22 of this Agreement.

**Connecting Transmission Owner** shall mean the New York public utility or authority (or its designated agent) that (i) owns facilities used for the transmission of Energy in interstate commerce and provides Transmission Service under the Tariff, (ii) owns, leases or otherwise possesses an interest in the portion of the New York State Transmission System or Distribution System at the Point of Interconnection, and (iii) is a Party to this Agreement.

**Connecting Transmission Owner’s Attachment Facilities** shall mean all facilities and

equipment owned, controlled or operated by the Connecting Transmission Owner from the Point of Change of Ownership to the Point of Interconnection as identified in Appendix A to this Agreement, including any modifications, additions or upgrades to such facilities and equipment.

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Connecting Transmission Owner's Attachment Facilities are sole use facilities and shall not include Stand Alone System Upgrade Facilities, System Upgrade Facilities, or System Deliverability Upgrades.

**Contingent Facilities** shall mean those Attachment Facilities and System Upgrade Facilities and/or System Deliverability Upgrades associated with Class Year Projects upon which the Merchant Transmission Facility's Class Year Project Cost Allocations are dependent, and if delayed or not built, could impact the actual costs and timing of the Merchant Transmission Facility's Project Cost Allocation for System Upgrade Facilities or System Deliverability Upgrades.

**Control Area** shall mean an electric power system or combination of electric power systems to which a common automatic generation control scheme is applied in order to: (1) match, at all times, the power output of the Generators within the electric power system(s) and capacity and energy purchased from entities outside the electric power system(s), with the Load within the electric power system(s); (2) maintain scheduled interchange with other Control Areas, within the limits of Good Utility Practice; (3) maintain the frequency of the electric power system(s) within reasonable limits in accordance with Good Utility Practice; and (4) provide sufficient generating capacity to maintain Operating Reserves in accordance with Good Utility Practice. A Control Area must be certified by the NPCC.

**Default** shall mean the failure of a Party in Breach of this Agreement to cure such Breach in accordance with Article 17 of this Agreement.

**Developer** shall mean an Eligible Customer developing a Merchant Transmission Facility, proposing to connect to the New York State Transmission System, in compliance with the NYISO Minimum Interconnection Standard.

**Developer's Attachment Facilities** shall mean all facilities and equipment, as identified in Appendix A of this Agreement, that are located between the Merchant Transmission Facility and the Point of Change of Ownership, including any modification, addition, or upgrades to such facilities and equipment necessary to physically and electrically interconnect the Merchant Transmission Facility to the New York State Transmission System. Developer's Attachment Facilities are sole use facilities.

**Distribution System** shall mean the Connecting Transmission Owner's facilities and equipment used to distribute electricity that are subject to FERC jurisdiction, and are subject to the NYISO's Large Facility Interconnection Procedures in Attachment X to the ISO OATT or Small Generator Interconnection Procedures in Attachment Z to the ISO OATT under FERC Order Nos. 2003 and/or 2006. The term Distribution System shall not include LIPA's distribution facilities.

**Distribution Upgrades** shall mean the additions, modifications, and upgrades to the Connecting Transmission Owner's Distribution System at or beyond the Point of Interconnection to facilitate interconnection of a Merchant Transmission Facility and render the transmission service

necessary to affect the Developer's wholesale sale of electricity in interstate commerce.  
Distribution Upgrades do not include Attachment Facilities, System Upgrade Facilities, or



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System Deliverability Upgrades. Distribution Upgrades are sole use facilities and shall not include Stand Alone System Upgrade Facilities, System Upgrade Facilities, or System Deliverability Upgrades.

**Effective Date** shall mean the date on which this Agreement becomes effective upon execution by the Parties, subject to acceptance by the Commission, or if filed unexecuted, upon the date specified by the Commission.

**Emergency State** shall mean the condition or state that the New York State Power System is in when an abnormal condition occurs that requires automatic or immediate manual action to prevent or limit loss of the New York State Transmission System or Generators that could adversely affect the reliability of the New York State Power System.

**Energy Resource Interconnection Service (“ERIS”)** shall mean the service provided by NYISO to interconnect the Developer’s Merchant Transmission Facility to the New York State Transmission System or to the Distribution System in accordance with the NYISO Minimum Interconnection Standard, to enable the New York State Transmission System to receive Energy and Ancillary Services from the Merchant Transmission Facility, pursuant to the terms of the ISO OATT.

**Environmental Law** shall mean Applicable Laws and Regulations relating to pollution or protection of the environment or natural resources.

**Federal Power Act** shall mean the Federal Power Act, as amended, 16 U.S.C. §§ 791a *et seq.* (“FPA”).

**FERC** shall mean the Federal Energy Regulatory Commission (“Commission”) or its successor.

**Force Majeure** shall mean any act of God, labor disturbance, act of the public enemy, war, insurrection, riot, fire, storm or flood, explosion, breakage or accident to machinery or equipment, any order, regulation or restriction imposed by governmental, military or lawfully established civilian authorities, or any other cause beyond a Party’s control. A Force Majeure event does not include acts of negligence or intentional wrongdoing by the Party claiming Force Majeure.

**Good Utility Practice** shall mean any of the practices, methods and acts engaged in or approved by a significant portion of the electric industry during the relevant time period, or any of the practices, methods and acts which, in the exercise of reasonable judgment in light of the facts known at the time the decision was made, could have been expected to accomplish the desired result at a reasonable cost consistent with good business practices, reliability, safety and expedition. Good Utility Practice is not intended to be limited to the optimum practice, method, or act to the exclusion of all others, but rather to delineate acceptable practices, methods, or acts generally accepted in the region.

**Governmental Authority** shall mean any federal, state, local or other governmental regulatory or administrative agency, court, commission, department, board, or other governmental

subdivision, legislature, rulemaking board, tribunal, or other governmental authority having jurisdiction over any of the Parties, their respective facilities, or the respective services they

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provide, and exercising or entitled to exercise any administrative, executive, police, or taxing authority or power; provided, however, that such term does not include Developer, NYISO, Affected Transmission Owner, Connecting Transmission Owner, or any Affiliate thereof.

**Hazardous Substances** shall mean any chemicals, materials or substances defined as or included in the definition of “hazardous substances,” “hazardous wastes,” “hazardous materials,” “hazardous constituents,” “restricted hazardous materials,” “extremely hazardous substances,” “toxic substances,” “radioactive substances,” “contaminants,” “pollutants,” “toxic pollutants” or words of similar meaning and regulatory effect under any applicable Environmental Law, or any other chemical, material or substance, exposure to which is prohibited, limited or regulated by any applicable Environmental Law.

**Highway** shall mean 115 kV and higher transmission facilities that comprise the following NYCA interfaces: Dysinger East, West Central, Volney East, Moses South, Central East/Total East, and UPNY-ConEd, and their immediately connected, in series, bulk power system facilities in New York State. Each interface shall be evaluated to determine additional “in series” facilities, defined as any transmission facility higher than 115 kV that (a) is located in an upstream or downstream zone adjacent to the interface and (b) has a power transfer distribution factor (DFAX) equal to or greater than five percent when the aggregate of generation in zones or systems adjacent to the upstream zone or zones that define the interface is shifted to the aggregate of generation in zones or systems adjacent to the downstream zone or zones that define the interface. In determining “in series” facilities for Dysinger East and West Central interfaces, the 115 kV and 230 kV tie lines between NYCA and PJM located in LBMP Zones A and B shall not participate in the transfer. Highway transmission facilities are listed in ISO Procedures.

**Initial Synchronization Date** shall mean the date upon which the Merchant Transmission Facility is initially synchronized and upon which Trial Operation begins, notice of which must be provided to the NYISO in the form of Appendix E-1.

**In-Service Date** shall mean the date upon which the Developer reasonably expects it will be ready to begin use of the Connecting Transmission Owner’s Attachment Facilities to obtain back feed power.

**Interconnection Facilities Study** shall mean a study conducted by NYISO or a third party consultant for the Developer to determine a list of facilities (including Connecting Transmission Owner’s Attachment Facilities, Distribution Upgrades, System Upgrade Facilities and System Deliverability Upgrades as identified in the Interconnection System Reliability Impact Study), the cost of those facilities, and the time required to interconnect the Merchant Transmission Facility with the New York State Transmission System or with the Distribution System. The scope of the study is defined in Section 30.8 of the Standard Large Facility Interconnection Procedures.

**Interconnection Facilities Study Agreement (“Class Year Study Agreement”)** shall mean the form of agreement contained in Appendix 2 of the Standard Large Facility Interconnection Procedures for conducting the Interconnection Facilities Study.



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**Interconnection Request** shall mean a Developer's request, in the form of Appendix 1 to the Standard Large Facility Interconnection Procedures, in accordance with the Tariff, to interconnect a new Merchant Transmission Facility to the New York State Transmission System or to the Distribution System, or to materially increase the capacity of, or make a material modification to the operating characteristics of, an existing Merchant Transmission Facility that is interconnected with the New York State Transmission System or with the Distribution System.

**Interconnection Study** shall mean any of the following studies: the Optional Interconnection Feasibility Study, the Interconnection System Reliability Impact Study, and the Interconnection Facilities Study described in the Standard Large Facility Interconnection Procedures.

**Interconnection System Reliability Impact Study ("SRIS")** shall mean an engineering study, conducted in accordance with Section 30.7 of the Standard Large Facility Interconnection Procedures, that evaluates the impact of the proposed Merchant Transmission Facility on the safety and reliability of the New York State Transmission System and, if applicable, an Affected System, to determine what Attachment Facilities, Distribution Upgrades and System Upgrade Facilities are needed for the proposed Merchant Transmission Facility of the Developer to connect reliably to the New York State Transmission System or to the Distribution System in a manner that meets the NYISO Minimum Interconnection Standard in Attachment X to the ISO OATT.

**IRS** shall mean the Internal Revenue Service.

**Material Modification** shall mean those modifications that have a material impact on the cost or timing of any Interconnection Request with a later queue priority date.

**Merchant Transmission Facility** shall mean generally a merchant facility for the transmission of electricity, and specifically the Developer's facility for the transmission of electricity as described in this Agreement and the Appendices hereto.

**Merchant Transmission Facility Interconnection Agreement** shall mean this Agreement.

**Metering Equipment** shall mean all metering equipment installed or to be installed at the Point of Interconnection, including but not limited to instrument transformers, MWh-meters, data acquisition equipment, transducers, remote terminal unit, communications equipment, phone lines, and fiber optics.

**NERC** shall mean the North American Electric Reliability Council or its successor organization.

**New York State Transmission System** shall mean the entire New York State electric transmission system, which includes (i) the Transmission Facilities Under ISO Operational Control; (ii) the Transmission Facilities Requiring ISO Notification; and (iii) all remaining transmission facilities within the New York Control Area.

**Notice of Dispute** shall mean a written notice of a dispute or claim that arises out of or in connection with this Agreement or its performance.

**NPCC** shall mean the Northeast Power Coordinating Council or its successor organization.

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**NYISO Deliverability Interconnection Standard** - The standard that must be met, unless otherwise provided for by Attachment S to the ISO OATT, by (i) any generation facility larger than 2MW in order for that facility to obtain CRIS; (ii) any Class Year Transmission Project; (iii) any entity requesting External CRIS Rights, and (iv) any entity requesting a CRIS transfer pursuant to Section 25.9.5 of Attachment S to the ISO OATT. To meet the NYISO Deliverability Interconnection Standard, the Developer must, in accordance with the rules in Attachment S to the ISO OATT, fund or commit to fund any System Deliverability Upgrades identified for its project in the Class Year Deliverability Study.

**NYISO Minimum Interconnection Standard** - The reliability standard that must be met by any generation facility or Class Year Transmission Project that is subject to NYISO's Large Facility Interconnection Procedures in Attachment X to the ISO OATT or the NYISO's Small Generator Interconnection Procedures in Attachment Z, that is proposing to connect to the New York State Transmission System or Distribution System, to obtain ERIS. The Minimum Interconnection Standard is designed to ensure reliable access by the proposed project to the New York State Transmission System or to the Distribution System. The Minimum Interconnection Standard does not impose any deliverability test or deliverability requirement on the proposed interconnection.

**NYSRC** shall mean the New York State Reliability Council or its successor organization.

**Other Interfaces** shall mean the following interfaces into Capacity Regions: Lower Hudson Valley [*i.e.*, Rest of State (Load Zones A-F) to Lower Hudson Valley (Load Zones G, H and I)]; New York City [*i.e.*, Lower Hudson Valley (Load Zones G, H and I) to New York City (Load Zone J)]; and Long Island [*i.e.*, Lower Hudson Valley (Load Zones G, H and I) to Long Island (Load Zone K)], and the following Interfaces between the NYCA and adjacent Control Areas: PJM to NYISO, ISO-NE to NYISO, Hydro-Quebec to NYISO, and Norwalk Harbor (Connecticut) to Northport (Long Island) Cable.

**Party or Parties** shall mean NYISO, Connecting Transmission Owner, or Developer or any combination of the above.

**Point of Change of Ownership** shall mean the point, as set forth in Appendix A to this Agreement, where the Developer's Attachment Facilities connect to the Connecting Transmission Owner's Attachment Facilities.

**Point of Interconnection** shall mean the point, as set forth in Appendix A to this Agreement, where the Attachment Facilities connect to the New York State Transmission System or to the Distribution System.

**Provisional Interconnection Service** shall mean interconnection service provided by the ISO associated with interconnecting the Developer's Merchant Transmission Facility to the New York State Transmission System (or Distribution System as applicable) and enabling the transmission system to receive electric energy from the Merchant Transmission Facility at the Point

of Interconnection, pursuant to the terms of the Provisional Large Facility Interconnection Agreement and, if applicable, the ISO OATT.



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**Provisional Merchant Transmission Facility Interconnection Agreement** shall mean the interconnection agreement for Provisional Interconnection Service established between the ISO, Connecting Transmission Owner(s) and the Developer. This agreement shall take the form of the Merchant Transmission Facility Interconnection Agreement, modified for provisional purposes and type of facility.

**Reasonable Efforts** shall mean, with respect to an action required to be attempted or taken by a Party under this Agreement, efforts that are timely and consistent with Good Utility Practice and are otherwise substantially equivalent to those a Party would use to protect its own interests.

**Services Tariff** shall mean the NYISO Market Administration and Control Area Tariff, as filed with the Commission, and as amended or supplemented from time to time, or any successor tariff thereto.

**Stand Alone System Upgrade Facilities** shall mean System Upgrade Facilities that are not part of an Affected System that a Developer may construct without affecting day-to-day operations of the New York State Transmission System during their construction. NYISO, the Connecting Transmission Owner and the Developer must agree as to what constitutes Stand Alone System Upgrade Facilities and identify them in Appendix A to this Agreement. If NYISO, the Connecting Transmission Owner and the Developer disagree about whether a particular System Upgrade Facility is a Stand Alone System Upgrade Facility, NYISO and the Connecting Transmission Owner must provide the Developer a written technical explanation outlining why NYISO and the Connecting Transmission Owner does not consider the System Upgrade Facility to be a Stand Alone System Upgrade Facility within fifteen (15) days of its determination.

**Standard Large Facility Interconnection Procedures (“Large Facility Interconnection Procedures” or “LFIP”)** shall mean the interconnection procedures applicable to an Interconnection Request pertaining to a Merchant Transmission Facility that are included in Attachment X of the ISO OATT.

**System Deliverability Upgrades** shall mean the least costly configuration of commercially available components of electrical equipment that can be used, consistent with Good Utility Practice and Applicable Reliability Requirements, to make the modifications or additions to Byways and Highways and Other Interfaces on the existing New York State Transmission System and Distribution System that are required for the proposed project to connect reliably to the system in a manner that meets the NYISO Deliverability Interconnection Standard at the requested level of Capacity Resource Interconnection Service.

**System Protection Facilities** shall mean the equipment, including necessary protection signal communications equipment, required to (1) protect the New York State Transmission System from faults or other electrical disturbances occurring at the Merchant Transmission Facility and (2) protect the Merchant Transmission Facility from faults or other electrical system disturbances occurring on the New York State Transmission System or on other delivery systems or other generating systems to which the New York State Transmission System is directly connected.

**System Upgrade Facilities** shall mean the least costly configuration of commercially available components of electrical equipment that can be used, consistent with Good Utility Practice and

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Applicable Reliability Requirements, to make the modifications to the existing transmission system that are required to maintain system reliability due to: (i) changes in the system, including such changes as load growth and changes in load pattern, to be addressed in the form of generic generation or transmission projects; and (ii) proposed interconnections. In the case of proposed interconnection projects, System Upgrade Facilities are the modifications or additions to the existing New York State Transmission System that are required for the proposed project to connect reliably to the system in a manner that meets the NYISO Minimum Interconnection Standard.

**Tariff** shall mean the NYISO Open Access Transmission Tariff (“OATT”), as filed with the Commission, and as amended or supplemented from time to time, or any successor tariff.

**Trial Operation** shall mean the period during which Developer is engaged in on-site test operations and commissioning of the Merchant Transmission Facility prior to Commercial Operation.

## **ARTICLE 2. EFFECTIVE DATE, TERM AND TERMINATION**

### **2.1 Effective Date.**

This Agreement shall become effective upon execution by the Parties, subject to acceptance by FERC, or if filed unexecuted, upon the date specified by FERC. The NYISO and Connecting Transmission Owner shall promptly file this Agreement with FERC upon execution in accordance with Article 3.

### **2.2 Term of Agreement.**

Subject to the provisions of Article 2.3, this Agreement shall remain in effect for a period of thirty (30) years from the Effective Date and shall be automatically renewed for each successive one-year period thereafter.

### **2.3 Termination.**

#### **2.3.1 Written Notice.**

This Agreement may be terminated by the Developer after giving the NYISO and Connecting Transmission Owner ninety (90) Calendar Days advance written notice, or by the NYISO and Connecting Transmission Owner notifying FERC after the Merchant Transmission Facility permanently ceases Commercial Operation.

#### **2.3.2 Default.**

Any Party may terminate this Agreement in accordance with Article 17.

#### **2.3.3 Compliance.**

Notwithstanding Articles 2.3.1 and 2.3.2, no termination of this Agreement shall become effective until the Parties have complied with all Applicable Laws and Regulations applicable to

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such termination, including the filing with FERC of a notice of termination of this Agreement, which notice has been accepted for filing by FERC.

### **2.4 Termination Costs.**

If a Party elects to terminate this Agreement pursuant to Article 2.3.1 above, the terminating Party shall pay all costs incurred (including any cancellation costs relating to orders or contracts for Attachment Facilities and equipment) or charges assessed by the other Parties, as of the date of the other Parties' receipt of such notice of termination, that are the responsibility of the terminating Party under this Agreement. In the event of termination by a Party, all Parties shall use commercially Reasonable Efforts to mitigate the costs, damages and charges arising as a consequence of termination. Upon termination of this Agreement, unless otherwise ordered or approved by FERC:

**2.4.1** With respect to any portion of the Connecting Transmission Owner's Attachment Facilities that have not yet been constructed or installed, the Connecting Transmission Owner shall to the extent possible and with Developer's authorization cancel any pending orders of, or return, any materials or equipment for, or contracts for construction of, such facilities; provided that in the event Developer elects not to authorize such cancellation, Developer shall assume all payment obligations with respect to such materials, equipment, and contracts, and the Connecting Transmission Owner shall deliver such material and equipment, and, if necessary, assign such contracts, to Developer as soon as practicable, at Developer's expense. To the extent that Developer has already paid Connecting Transmission Owner for any or all such costs of materials or equipment not taken by Developer, Connecting Transmission Owner shall promptly refund such amounts to Developer, less any costs, including penalties incurred by the Connecting Transmission Owner to cancel any pending orders of or return such materials, equipment, or contracts.

If Developer terminates this Agreement, it shall be responsible for all costs incurred in association with Developer's interconnection, including any cancellation costs relating to orders or contracts for Attachment Facilities and equipment, and other expenses including any System Upgrade Facilities and System Deliverability Upgrades for which the Connecting Transmission Owner has incurred expenses and has not been reimbursed by the Developer.

**2.4.2** Connecting Transmission Owner may, at its option, retain any portion of such materials, equipment, or facilities that Developer chooses not to accept delivery of, in which case Connecting Transmission Owner shall be responsible for all costs associated with procuring such materials, equipment, or facilities.

**2.4.3** With respect to any portion of the Attachment Facilities, and any other facilities already installed or constructed pursuant to the terms of this Agreement, Developer shall be



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responsible for all costs associated with the removal, relocation or other disposition or retirement of such materials, equipment, or facilities.

### **2.5 Disconnection.**

Upon termination of this Agreement, Developer and Connecting Transmission Owner will take all appropriate steps to disconnect the Developer's Merchant Transmission Facility from the New York State Transmission System. All costs required to effectuate such disconnection shall be borne by the terminating Party, unless such termination resulted from the non-terminating Party's Default of this Agreement or such non-terminating Party otherwise is responsible for these costs under this Agreement.

### **2.6 Survival.**

This Agreement shall continue in effect after termination to the extent necessary to provide for final billings and payments and for costs incurred hereunder; including billings and payments pursuant to this Agreement; to permit the determination and enforcement of liability and indemnification obligations arising from acts or events that occurred while this Agreement was in effect; and to permit Developer and Connecting Transmission Owner each to have access to the lands of the other pursuant to this Agreement or other applicable agreements, to disconnect, remove or salvage its own facilities and equipment.

## **ARTICLE 3. REGULATORY FILINGS**

NYISO and Connecting Transmission Owner shall file this Agreement (and any amendment hereto) with the appropriate Governmental Authority, if required. Any information related to studies for interconnection asserted by Developer to contain Confidential Information shall be treated in accordance with Article 22 of this Agreement and Attachment F to the ISO OATT. If the Developer has executed this Agreement, or any amendment thereto, the Developer shall reasonably cooperate with NYISO and Connecting Transmission Owner with respect to such filing and to provide any information reasonably requested by NYISO and Connecting Transmission Owner needed to comply with Applicable Laws and Regulations.

## **ARTICLE 4. SCOPE OF INTERCONNECTION SERVICE**

### **4.1 Provision of Service.**

NYISO will provide Developer with interconnection service of the following type for the term of this Agreement.

#### **4.1.1 Product.**

NYISO will provide Energy Resource Interconnection Service and Capacity Resource Interconnection Service to Developer at the Point of Interconnection, subject to the requirements in Section 9 of Appendix A and Section 2(b) of Appendix C.

**4.1.2 Developer** is responsible for ensuring that its actual Merchant Transmission Facility output matches the scheduled delivery from the Merchant Transmission Facility to the



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New York State Transmission System, consistent with the scheduling requirements of the NYISO's FERC-approved market structure, including ramping into and out of such scheduled delivery, as measured at the Point of Interconnection, consistent with the scheduling requirements of the ISO OATT and any applicable FERC-approved market structure.

### **4.2 No Transmission Delivery Service.**

The execution of this Agreement does not constitute a request for, nor agreement to provide, any Transmission Service under the ISO OATT, and does not convey any right to deliver electricity to any specific customer or Point of Delivery. If Developer wishes to obtain Transmission Service on the New York State Transmission System, then Developer must request such Transmission Service in accordance with the provisions of the ISO OATT.

### **4.3 No Other Services.**

The execution of this Agreement does not constitute a request for, nor agreement to provide Energy, any Ancillary Services or Installed Capacity under the NYISO Market Administration and Control Area Services Tariff ("Services Tariff"). If Developer wishes to supply Energy, Installed Capacity or Ancillary Services, then Developer will make application to do so in accordance with the NYISO Services Tariff.

## **ARTICLE 5. INTERCONNECTION FACILITIES ENGINEERING, PROCUREMENT, AND CONSTRUCTION**

### **5.1 Options.**

Unless otherwise mutually agreed to by Developer and Connecting Transmission Owner, Developer shall select the In-Service Date, Initial Synchronization Date, and Commercial Operation Date; and either the Standard Option or Alternate Option set forth below, and such dates and selected option shall be set forth in Appendix B hereto. At the same time, Developer shall indicate whether it elects to exercise the Option to Build set forth in Article 5.1.3 below. If the dates designated by the Developer are not acceptable to the Connecting Transmission Owner, the Connecting Transmission Owner shall so notify the Developer within thirty (30) Calendar Days. Upon receipt of the notification that Developer's designated dates are not acceptable to the Connecting Transmission Owner, the Developer shall notify the Connecting Transmission Owner within thirty (30) Calendar Days whether it elects to exercise the Option to Build if it has not already elected to exercise the Option to Build.

#### **5.1.1 Standard Option.**

The Connecting Transmission Owner shall design, procure, and construct the Connecting Transmission Owner's Attachment Facilities and System Upgrade Facilities and System Deliverability Upgrades, using Reasonable Efforts to complete the Connecting Transmission Owner's Attachment Facilities and System Upgrade Facilities and System Deliverability Upgrades by the dates set forth in Appendix B hereto. The Connecting Transmission Owner

shall not be required to undertake any action which is inconsistent with its standard safety practices, its material and equipment specifications, its design criteria and construction

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procedures, its labor agreements, and Applicable Laws and Regulations. In the event the Connecting Transmission Owner reasonably expects that it will not be able to complete the Connecting Transmission Owner's Attachment Facilities and System Upgrade Facilities and System Deliverability Upgrades by the specified dates, the Connecting Transmission Owner shall promptly provide written notice to the Developer and NYISO, and shall undertake Reasonable Efforts to meet the earliest dates thereafter.

### **5.1.2 Alternate Option.**

If the dates designated by Developer are acceptable to Connecting Transmission Owner, the Connecting Transmission Owner shall so notify Developer and NYISO within thirty (30) Calendar Days, and shall assume responsibility for the design, procurement and construction of the Connecting Transmission Owner's Attachment Facilities by the designated dates. If Connecting Transmission Owner subsequently fails to complete Connecting Transmission Owner's Attachment Facilities by the In-Service Date, to the extent necessary to provide back feed power; or fails to complete System Upgrade Facilities or System Deliverability Upgrades by the Initial Synchronization Date to the extent necessary to allow for Trial Operation at full power output, unless other arrangements are made by the Developer and Connecting Transmission Owner for such Trial Operation; or fails to complete the System Upgrade Facilities and System Deliverability Upgrades by the Commercial Operation Date, as such dates are reflected in Appendix B hereto; Connecting Transmission Owner shall pay Developer liquidated damages in accordance with Article 5.3, Liquidated Damages, provided, however, the dates designated by Developer shall be extended day for day for each day that NYISO refuses to grant clearances to install equipment.

### **5.1.3 Option to Build.**

Developer shall have the option to assume responsibility for the design, procurement and construction of Connecting Transmission Owner's Attachment Facilities and Stand Alone System Upgrade Facilities on the dates specified in Article 5.1.2; provided that if an Attachment Facility or Stand Alone System Upgrade Facility is needed for more than one Developer's project, Developer's option to build such facility shall be contingent on the agreement of all other affected Developers. NYISO, Connecting Transmission Owner and Developer must agree as to what constitutes Stand Alone System Upgrade Facilities and identify such Stand Alone System Upgrade Facilities in Appendix A hereto. Except for Stand Alone System Upgrade Facilities, Developer shall have no right to construct System Upgrade Facilities under this option.

### **5.1.4 Negotiated Option.**

If the dates designated by Developer are not acceptable to the Connecting Transmission Owner, the Developer and Connecting Transmission Owner shall in good faith attempt to negotiate terms and conditions (including revision of the specified dates and liquidated damages, the provision of incentives or the procurement and construction of all facilities other than the

Connecting Transmission Owner's Attachment Facilities and Stand Alone System Upgrade Facilities if the Developer elects to exercise the Option to Build under Article 5.1.3. If the two

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Parties are unable to reach agreement on such terms and conditions, then, pursuant to Article 5.1.1 (Standard Option), Connecting Transmission Owner shall assume responsibility for the design, procurement and construction of all facilities other than the Connecting Transmission Owner's Attachment Facilities and Stand Alone System Upgrade Facilities if the Developer elects to exercise the Option to Build.

### **5.2 General Conditions Applicable to Option to Build.**

If Developer assumes responsibility for the design, procurement and construction of the Connecting Transmission Owner's Attachment Facilities and Stand Alone System Upgrade Facilities, the following conditions apply:

**5.2.1** Developer shall engineer, procure equipment, and construct the Connecting Transmission Owner's Attachment Facilities and Stand Alone System Upgrade Facilities (or portions thereof) using Good Utility Practice and using standards and specifications provided in advance by the Connecting Transmission Owner;

**5.2.2** Developer's engineering, procurement and construction of the Connecting Transmission Owner's Attachment Facilities and Stand Alone System Upgrade Facilities shall comply with all requirements of law to which Connecting Transmission Owner would be subject in the engineering, procurement or construction of the Connecting Transmission Owner's Attachment Facilities and Stand Alone System Upgrade Facilities;

**5.2.3** Developer agrees to comply with all applicable provisions of Section 220 of the New York Labor Law ("Section 220"), as it may be amended from time to time. Pursuant to the requirements of Section 220, Developer agrees that, for work performed on existing Connecting Transmission Owner facilities (i.e., "public work"):

(i) Each laborer, workman or mechanic shall be paid no less than the prevailing wages as defined in Section 220,

(ii) The filing of payrolls shall be made in a manner consistent with subdivision threea (3(a)) of Section 220; this is a condition precedent to payment of any sums due and owing to any person for work done upon the project, and

(iii) No laborer, worker, or mechanic shall be permitted or required to work more than eight hours in any one calendar day or more than five days in any one week except in cases of extraordinary emergency including fire, flood, or danger to life or property.

Developer reserves its rights set forth in Section 220 to obtain dispensation permitting laborers, workers and mechanics to work additional hours or days per week.

**5.2.4** Connecting Transmission Owner shall review and approve the engineering design, equipment acceptance tests, and the construction of the Connecting Transmission Owner's Attachment Facilities and Stand Alone System Upgrade Facilities;

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**5.2.5** Prior to commencement of construction, Developer shall provide to Connecting Transmission Owner and NYISO a schedule for construction of the Connecting Transmission Owner's Attachment Facilities and Stand Alone System Upgrade Facilities, and shall promptly respond to requests for information from Connecting Transmission Owner or NYISO;

**5.2.6** At any time during construction, Connecting Transmission Owner shall have the right to gain unrestricted access to the Connecting Transmission Owner's Attachment Facilities and Stand Alone System Upgrade Facilities and to conduct inspections of the same;

**5.2.7** At any time during construction, should any phase of the engineering, equipment procurement, or construction of the Connecting Transmission Owner's Attachment Facilities and Stand Alone System Upgrade Facilities not meet the standards and specifications provided by Connecting Transmission Owner, the Developer shall be obligated to remedy deficiencies in that portion of the Connecting Transmission Owner's Attachment Facilities and Stand Alone System Upgrade Facilities;

**5.2.8** Developer shall indemnify Connecting Transmission Owner and NYISO for claims arising from the Developer's construction of Connecting Transmission Owner's Attachment Facilities and Stand Alone System Upgrade Facilities under procedures applicable to Article 18.1 Indemnity;

**5.2.9** Developer shall transfer control of Connecting Transmission Owner's Attachment Facilities and Stand Alone System Upgrade Facilities to the Connecting Transmission Owner;

**5.2.10** Unless the Developer and Connecting Transmission Owner otherwise agree, Developer shall transfer ownership of Connecting Transmission Owner's Attachment Facilities and Stand Alone System Upgrade Facilities to Connecting Transmission Owner;

**5.2.11** Connecting Transmission Owner shall approve and accept for operation and maintenance the Connecting Transmission Owner's Attachment Facilities and Stand Alone System Upgrade Facilities to the extent engineered, procured, and constructed in accordance with this Article 5.2; and

**5.2.12** Developer shall deliver to NYISO and Connecting Transmission Owner "as built" drawings, information, and any other documents that are reasonably required by NYISO or Connecting Transmission Owner to assure that the Attachment Facilities and Stand Alone System Upgrade Facilities are built to the standards and specifications required by Connecting Transmission Owner.

**5.2.13** If Developer exercises the Option to Build pursuant to Article 5.1.3, the Developer shall pay the Connecting Transmission Owner the agreed upon amount of \$100,000 for the Connecting Transmission Owner to execute the responsibilities enumerated to





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Connecting Transmission Owner under Article 5.2. The Connecting Transmission Owner shall invoice Developer for this total amount to be divided on a monthly basis pursuant to Article 12.

### **5.3 Liquidated Damages.**

The actual damages to the Developer, in the event the Connecting Transmission Owner's Attachment Facilities or System Upgrade Facilities or System Deliverability Upgrades are not completed by the dates designated by the Developer and accepted by the Connecting Transmission Owner pursuant to subparagraphs 5.1.2 or 5.1.4, above, may include Developer's fixed operation and maintenance costs and lost opportunity costs. Such actual damages are uncertain and impossible to determine at this time. Because of such uncertainty, any liquidated damages paid by the Connecting Transmission Owner to the Developer in the event that Connecting Transmission Owner does not complete any portion of the Connecting Transmission Owner's Attachment Facilities, System Upgrade Facilities or System Deliverability Upgrades by the applicable dates, shall be an amount equal to 1/2 of 1 percent per day of the actual cost of the Connecting Transmission Owner's Attachment Facilities and System Upgrade Facilities and System Deliverability Upgrades, in the aggregate, for which Connecting Transmission Owner has assumed responsibility to design, procure and construct.

However, in no event shall the total liquidated damages exceed 20 percent of the actual cost of the Connecting Transmission Owner Attachment Facilities and System Upgrade Facilities and System Deliverability Upgrades for which the Connecting Transmission Owner has assumed responsibility to design, procure, and construct. The foregoing payments will be made by the Connecting Transmission Owner to the Developer as just compensation for the damages caused to the Developer, which actual damages are uncertain and impossible to determine at this time, and as reasonable liquidated damages, but not as a penalty or a method to secure performance of this Agreement. Liquidated damages, when the Developer and Connecting Transmission Owner agree to them, are the exclusive remedy for the Connecting Transmission Owner's failure to meet its schedule.

Further, Connecting Transmission Owner shall not pay liquidated damages to Developer if: (1) Developer is not ready to commence use of the Connecting Transmission Owner's Attachment Facilities or System Upgrade Facilities or System Deliverability Upgrades to take the delivery of power for the Developer's Merchant Transmission Facility's Trial Operation or to transmit power from the Developer's Merchant Transmission Facility on the specified dates, unless the Developer would have been able to commence use of the Connecting Transmission Owner's Attachment Facilities or System Upgrade Facilities or System Deliverability Upgrades to take the delivery of power for Developer's Merchant Transmission Facility's Trial Operation or to export power from the Developer's Merchant Transmission Facility, but for Connecting Transmission Owner's delay; (2) the Connecting Transmission Owner's failure to meet the specified dates is the result of the action or inaction of the Developer or any other Developer who has entered into a Merchant Transmission Facility Interconnection Agreement with the Connecting Transmission Owner and NYISO, or action or inaction by any other Party, or any other cause beyond Connecting Transmission Owner's reasonable control or reasonable ability to cure; (3) the Developer has assumed responsibility for the design, procurement and construction

of the Connecting Transmission Owner's Attachment Facilities and Stand Alone System Upgrade Facilities; or (4) the Connecting Transmission Owner and Developer have otherwise

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agreed. In no event shall NYISO have any liability whatever to Developer for liquidated damages associated with the engineering, procurement or construction of Attachment Facilities or System Upgrade Facilities or System Deliverability Upgrades.

### **5.4 Reserved.**

### **5.5 Equipment Procurement.**

If responsibility for construction of the Connecting Transmission Owner's Attachment Facilities or System Upgrade Facilities or System Deliverability Upgrades is to be borne by the Connecting Transmission Owner, then the Connecting Transmission Owner shall commence design of the Connecting Transmission Owner's Attachment Facilities or System Upgrade Facilities or System Deliverability Upgrades and procure necessary equipment as soon as practicable after all of the following conditions are satisfied, unless the Developer and Connecting Transmission Owner otherwise agree in writing:

**5.5.1** NYISO and Connecting Transmission Owner have completed the Interconnection Facilities Study pursuant to the Interconnection Facilities Study Agreement;

**5.5.2** The NYISO has completed the required cost allocation analyses, and Developer has accepted its share of the costs for necessary System Upgrade Facilities and System Deliverability Upgrades in accordance with the provisions of Attachment S of the ISO OATT;

**5.5.3** The Connecting Transmission Owner has received written authorization to proceed with design and procurement from the Developer by the date specified in Appendix B hereto; and

**5.5.4** The Developer has provided security to the Connecting Transmission Owner in accordance with Article 11.5 by the dates specified in Appendix B hereto.

### **5.6 Construction Commencement.**

The Connecting Transmission Owner shall commence construction of the Connecting Transmission Owner's Attachment Facilities and System Upgrade Facilities and System Deliverability Upgrades for which it is responsible as soon as practicable after the following additional conditions are satisfied:

**5.6.1** Approval of the appropriate Governmental Authority has been obtained for any facilities requiring regulatory approval;

**5.6.2** Necessary real property rights and rights-of-way have been obtained, to the extent required for the construction of a discrete aspect of the Connecting Transmission Owner's Attachment Facilities and System Upgrade Facilities and System Deliverability Upgrades;

**5.6.3** The Connecting Transmission Owner has received written authorization to

proceed with construction from the Developer by the date specified in Appendix B hereto; and

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**5.6.4** The Developer has provided security to the Connecting Transmission Owner in accordance with Article 11.5 by the dates specified in Appendix B hereto.

### **5.7 Work Progress.**

The Developer and Connecting Transmission Owner will keep each other, and NYISO, advised periodically as to the progress of their respective design, procurement and construction efforts. Any Party may, at any time, request a progress report from the Developer or Connecting Transmission Owner. If, at any time, the Developer determines that the completion of the Connecting Transmission Owner's Attachment Facilities will not be required until after the specified In-Service Date, the Developer will provide written notice to the Connecting Transmission Owner and NYISO of such later date upon which the completion of the Connecting Transmission Owner's Attachment Facilities will be required.

### **5.8 Information Exchange.**

As soon as reasonably practicable after the Effective Date, the Developer and Connecting Transmission Owner shall exchange information, and provide NYISO the same information, regarding the design and compatibility of their respective Attachment Facilities and compatibility of the Attachment Facilities with the New York State Transmission System, and shall work diligently and in good faith to make any necessary design changes.

### **5.9 Other Interconnection Options**

#### **5.9.1 Limited Operation.**

If any of the Connecting Transmission Owner's Attachment Facilities or System Upgrade Facilities or System Deliverability Upgrades are not reasonably expected to be completed prior to the Commercial Operation Date of the Developer's Merchant Transmission Facility, NYISO shall, upon the request and at the expense of Developer, in conjunction with the Connecting Transmission Owner, perform operating studies on a timely basis to determine the extent to which the Developer's Merchant Transmission Facility and the Developer's Attachment Facilities may operate prior to the completion of the Connecting Transmission Owner's Attachment Facilities or System Upgrade Facilities or System Deliverability Upgrades consistent with Applicable Laws and Regulations, Applicable Reliability Standards, Good Utility Practice, and this Agreement. Connecting Transmission Owner and NYISO shall permit Developer to operate the Developer's Merchant Transmission Facility and the Developer's Attachment Facilities in accordance with the results of such studies.

#### **5.9.2 Provisional Interconnection Service.**

Prior to the completion of the Large Facility Interconnection Procedures and prior to completion of requisite Attachment Facilities, Distribution Upgrades, System Upgrade Facilities, System Distribution Upgrades, or System Protection Facilities, the Developer may request an evaluation for Provisional Interconnection Service. NYISO, in conjunction with the Connecting

Transmission Owner, shall determine, through available studies or additional studies as necessary, whether stability, short circuit, thermal, and/or voltage issues would arise if the

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Developer interconnects without modifications to the Merchant Transmission Facility or the New York State Transmission System (or Distribution System as applicable). NYISO, in conjunction with the Connecting Transmission Owner, shall determine whether any Attachment Facilities, Distribution Upgrades, System Upgrade Facilities, System Deliverability Upgrades, or System Protection Facilities, which are necessary to meet Applicable Laws and Regulations, Applicable Reliability Standards, and Good Utility Practice, are in place prior to the commencement of interconnection service from the Merchant Transmission Facility. Where available studies indicate that the Attachment Facilities, Distribution Upgrades, System Upgrade Facilities, System Deliverability Upgrades, or System Protection Facilities are required for the interconnection of a new, modified and/or expanded Merchant Transmission Facility but such facilities are not currently in place, NYISO, in conjunction with the Connecting Transmission Owner, will perform a study, at the Developer's expense, to confirm the facilities that are required for Provisional Interconnection Service. The maximum permissible output of the Merchant Transmission Facility in the Provisional Merchant Transmission Facility Interconnection Agreement shall be studied, at the Developer's expense, and updated annually. The NYISO shall issue the study's findings in writing to the Developer and Connecting Transmission Owner(s). Following a determination by NYISO, in conjunction with the Connecting Transmission Owner, that the Developer may reliably provide Provisional Interconnection Service, NYISO shall tender to the Developer and Connecting Transmission Owner, a Provisional Large Facility Interconnection Agreement. NYISO, Developer, and Connecting Transmission Owner may execute the Provisional Merchant Transmission Facility Interconnection Agreement, or the Developer may request the filing of an unexecuted Provisional Merchant Transmission Facility Interconnection Agreement with the Commission. The Developer shall assume all risk and liabilities with respect to changes between the Provisional Merchant Transmission Facility Interconnection Agreement and the Merchant Transmission Facility Interconnection Agreement, including changes in output limits and the cost responsibilities for the Attachment Facilities, System Upgrade Facilities, System Deliverability Upgrades, and/or System Protection Facilities.

### **5.10 Developer's Attachment Facilities ("DAF").**

Developer shall, at its expense, design, procure, construct, own and install the DAF, as set forth in Appendix A hereto.

#### **5.10.1 DAF Specifications.**

Developer shall submit initial specifications for the DAF, including System Protection Facilities, to Connecting Transmission Owner and NYISO at least one hundred eighty (180) Calendar Days prior to the Initial Synchronization Date; and final specifications for review and comment at least ninety (90) Calendar Days prior to the Initial Synchronization Date. Connecting Transmission Owner and NYISO shall review such specifications to ensure that the DAF are compatible with the technical specifications, operational control, and safety requirements of the Connecting Transmission Owner and NYISO and comment on such specifications within thirty (30) Calendar Days of Developer's submission. All specifications provided hereunder shall be deemed to be Confidential Information.





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### **5.10.2 No Warranty.**

The review of Developer's final specifications by Connecting Transmission Owner and NYISO shall not be construed as confirming, endorsing, or providing a warranty as to the design, fitness, safety, durability or reliability of the Merchant Transmission Facility, or the DAF. Developer shall make such changes to the DAF as may reasonably be required by Connecting Transmission Owner or NYISO, in accordance with Good Utility Practice, to ensure that the DAF are compatible with the technical specifications, operational control, and safety requirements of the Connecting Transmission Owner and NYISO.

### **5.10.3 DAF Construction.**

The DAF shall be designed and constructed in accordance with Good Utility Practice. Within one hundred twenty (120) Calendar Days after the Commercial Operation Date, unless the Developer and Connecting Transmission Owner agree on another mutually acceptable deadline, the Developer shall deliver to the Connecting Transmission Owner and NYISO "as-built" drawings, information and documents for the DAF, such as: a one-line diagram, a site plan showing the Merchant Transmission Facility and the DAF, plan and elevation drawings showing the layout of the DAF, a relay functional diagram, relaying AC and DC schematic wiring diagrams and relay settings for all facilities associated with the Developer's step-up transformers, the facilities connecting the Merchant Transmission Facility to the step-up transformers and the DAF, and the impedances (determined by factory tests) for the associated step-up transformers and the Merchant Transmission Facility. The Developer shall provide to, and coordinate with, Connecting Transmission Owner and NYISO with respect to proposed specifications for the excitation system, automatic voltage regulator, Merchant Transmission Facility control and protection settings, transformer tap settings, and communications, if applicable.

### **5.11 Connecting Transmission Owner's Attachment Facilities Construction.**

The Connecting Transmission Owner's Attachment Facilities shall be designed and constructed in accordance with Good Utility Practice. Upon request, within one hundred twenty (120) Calendar Days after the Commercial Operation Date, unless the Connecting Transmission Owner and Developer agree on another mutually acceptable deadline, the Connecting Transmission Owner shall deliver to the Developer "as-built" drawings, relay diagrams, information and documents for the Connecting Transmission Owner's Attachment Facilities set forth in Appendix A.

The Connecting Transmission Owner shall transfer operational control of the Connecting Transmission Owner's Attachment Facilities and Stand Alone System Upgrade Facilities to the NYISO upon completion of such facilities.

### **5.12 Access Rights.**

Upon reasonable notice and supervision by the Granting Party, and subject to any

required or necessary regulatory approvals, either the Connecting Transmission Owner or Developer (“Granting Party”) shall furnish to the other of those two Parties (“Access Party”) at

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no cost any rights of use, licenses, rights of way and easements with respect to lands owned or controlled by the Granting Party, its agents (if allowed under the applicable agency agreement), or any Affiliate, that are necessary to enable the Access Party to obtain ingress and egress at the Point of Interconnection to construct, operate, maintain, repair, test (or witness testing), inspect, replace or remove facilities and equipment to: (i) interconnect the Merchant Transmission Facility with the New York State Transmission System; (ii) operate and maintain the Merchant Transmission Facility, the Attachment Facilities and the New York State Transmission System; and (iii) disconnect or remove the Access Party's facilities and equipment upon termination of this Agreement. In exercising such licenses, rights of way and easements, the Access Party shall not unreasonably disrupt or interfere with normal operation of the Granting Party's business and shall adhere to the safety rules and procedures established in advance, as may be changed from time to time, by the Granting Party and provided to the Access Party. The Access Party shall indemnify the Granting Party against all claims of injury or damage from third parties resulting from the exercise of the access rights provided for herein.

### **5.13 Lands of Other Property Owners.**

If any part of the Connecting Transmission Owner's Attachment Facilities and/or System Upgrade Facilities and/or System Deliverability Upgrades is to be installed on property owned by persons other than Developer or Connecting Transmission Owner, the Connecting Transmission Owner agrees, to the extent consistent with applicable law, at Developer's expense to use efforts, similar in nature and extent to those that it typically undertakes for its own or affiliated generation or transmission facilities, including use of its eminent domain authority, and to the extent consistent with state law, to procure from such persons any rights of use, licenses, rights of way and easements that are necessary to construct, operate, maintain, test, inspect, replace or remove the Connecting Transmission Owner's Attachment Facilities and/or System Upgrade Facilities and/or System Deliverability Upgrades upon such property. Notwithstanding the previous sentence, the Connecting Transmission Owner's exercise of powers and rights to acquire real property or any rights in real property, pursuant to this Section 5.13, is subject to the provisions of the New York Public Authorities Law (or any amendments thereto), including Section 1007.

### **5.14 Permits.**

NYISO, Connecting Transmission Owner and the Developer shall cooperate with each other in good faith in obtaining all permits, licenses and authorizations that are necessary to accomplish the interconnection in compliance with Applicable Laws and Regulations. With respect to this paragraph, Connecting Transmission Owner shall provide permitting assistance to the Developer comparable to that provided to the Connecting Transmission Owner's own, or an Affiliate's generation or transmission facilities, if any.

### **5.15 Early Construction of Base Case Facilities.**

Developer may request Connecting Transmission Owner to construct, and Connecting Transmission Owner shall construct, subject to a binding cost allocation agreement reached in

accordance with Attachment S to the ISO OATT, including Section 25.8.7 thereof, using Reasonable Efforts to accommodate Developer's In-Service Date, all or any portion of any

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System Upgrade Facilities or System Deliverability Upgrades required for Developer to be interconnected to the New York State Transmission System which are included in the Base Case of the Class Year Study for the Developer, and which also are required to be constructed for another Developer, but where such construction is not scheduled to be completed in time to achieve Developer's In-Service Date.

### **5.16 Suspension.**

Developer reserves the right, upon written notice to Connecting Transmission Owner and NYISO, to suspend at any time all work by Connecting Transmission Owner associated with the construction and installation of Connecting Transmission Owner's Attachment Facilities and/or System Upgrade Facilities and/or System Deliverability Upgrades required for only that Developer under this Agreement with the condition that the New York State Transmission System shall be left in a safe and reliable condition in accordance with Good Utility Practice and the safety and reliability criteria of Connecting Transmission Owner and NYISO. In such event, Developer shall be responsible for all reasonable and necessary costs and/or obligations in accordance with Attachment S to the ISO OATT including those which Connecting Transmission Owner (i) has incurred pursuant to this Agreement prior to the suspension and (ii) incurs in suspending such work, including any costs incurred to perform such work as may be necessary to ensure the safety of persons and property and the integrity of the New York State Transmission System during such suspension and, if applicable, any costs incurred in connection with the cancellation or suspension of material, equipment and labor contracts which Connecting Transmission Owner cannot reasonably avoid; provided, however, that prior to canceling or suspending any such material, equipment or labor contract, Connecting Transmission Owner shall obtain Developer's authorization to do so.

Connecting Transmission Owner shall invoice Developer for such costs pursuant to Article 12 and shall use due diligence to minimize its costs. In the event Developer suspends work by Connecting Transmission Owner required under this Agreement pursuant to this Article 5.16, and has not requested Connecting Transmission Owner to recommence the work required under this Agreement on or before the expiration of three (3) years following commencement of such suspension, this Agreement shall be deemed terminated. The three-year period shall begin on the date the suspension is requested, or the date of the written notice to Connecting Transmission Owner and NYISO, if no effective date is specified.

### **5.17 Taxes.**

#### **5.17.1 Developer Payments Not Taxable.**

The Developer and Connecting Transmission Owner intend that all payments or property transfers made by Developer to Connecting Transmission Owner for the installation of the Connecting Transmission Owner's Attachment Facilities and the System Upgrade Facilities and the System Deliverability Upgrades shall be non-taxable, either as contributions to capital, or as an advance, in accordance with the Internal Revenue Code and any applicable state income tax laws

and shall not be taxable as contributions in aid of construction or otherwise under the Internal Revenue Code and any applicable state income tax laws.

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### **5.17.2 Representations and Covenants.**

In accordance with IRS Notice 2001-82 and IRS Notice 88-129, as applicable to the Merchant Transmission Facility, Developer represents and covenants that (i) ownership of the electricity transmitted on the Merchant Transmission Facility will pass to another party prior to the transmission of the electricity on the New York State Transmission System from the Point of Interconnection, (ii) for income tax purposes, the amount of any payments and the cost of any property transferred to the Connecting Transmission Owner for the Connecting Transmission Owner's Attachment Facilities will be capitalized by Developer as an intangible asset and recovered using the straight-line method over a useful life of twenty (20) years, and (iii) any portion of the Connecting Transmission Owner's Attachment Facilities that is a "dual-use intertie," within the meaning of IRS Notice 88-129, is reasonably expected to carry only a de minimis amount of electricity in the direction of the Merchant Transmission Facility. For this purpose, "de minimis amount" means no more than 5 percent of the total power flows in both directions, calculated in accordance with the "5 percent test" set forth in IRS Notice 88-129. This is not intended to be an exclusive list of the relevant conditions that must be met to conform to IRS requirements for non-taxable treatment.

At Connecting Transmission Owner's request, Developer shall provide Connecting Transmission Owner with a report from an independent engineer confirming its representation in clause (iii), above. Connecting Transmission Owner represents and covenants that the cost of the Connecting Transmission Owner's Attachment Facilities and System Upgrade Facilities paid for by Developer will have no net effect on the base upon which rates are determined.

### **5.17.3 Indemnification for the Cost Consequences of Current Tax Liability Imposed Upon the Connecting Transmission Owner.**

Notwithstanding Article 5.17.1, Developer shall protect, indemnify and hold harmless Connecting Transmission Owner from the cost consequences of any current tax liability imposed against Connecting Transmission Owner as the result of payments or property transfers made by Developer to Connecting Transmission Owner under this Agreement, as well as any interest and penalties, other than interest and penalties attributable to any delay caused by Connecting Transmission Owner.

Connecting Transmission Owner shall not include a gross-up for the cost consequences of any current tax liability in the amounts it charges Developer under this Agreement unless (i) Connecting Transmission Owner has determined, in good faith, that the payments or property transfers made by Developer to Connecting Transmission Owner should be reported as income subject to taxation or (ii) any Governmental Authority directs Connecting Transmission Owner to report payments or property as income subject to taxation; provided, however, that Connecting Transmission Owner may require Developer to provide security, in a form reasonably acceptable to Connecting Transmission Owner (such as a parental guarantee or a letter of credit), in an amount equal to the cost consequences of any current tax liability under this Article 5.17. Developer shall reimburse Connecting Transmission Owner for such costs on a fully grossed-up basis, in accordance with Article 5.17.4, within thirty (30) Calendar Days of receiving written

notification from Connecting Transmission Owner of the amount due, including detail about how the amount was calculated.



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This indemnification obligation shall terminate at the earlier of (1) the expiration of the ten-year testing period and the applicable statute of limitation, as it may be extended by the Connecting Transmission Owner upon request of the IRS, to keep these years open for audit or adjustment, or (2) the occurrence of a subsequent taxable event and the payment of any related indemnification obligations as contemplated by this Article 5.17.

### **5.17.4 Tax Gross-Up Amount.**

Developer's liability for the cost consequences of any current tax liability under this Article 5.17 shall be calculated on a fully grossed-up basis. Except as may otherwise be agreed to by the parties, this means that Developer will pay Connecting Transmission Owner, in addition to the amount paid for the Attachment Facilities and System Upgrade Facilities and System Deliverability Upgrades, an amount equal to (1) the current taxes imposed on Connecting Transmission Owner ("Current Taxes") on the excess of (a) the gross income realized by Connecting Transmission Owner as a result of payments or property transfers made by Developer to Connecting Transmission Owner under this Agreement (without regard to any payments under this Article 5.17) (the "Gross Income Amount") over (b) the present value of future tax deductions for depreciation that will be available as a result of such payments or property transfers (the "Present Value Depreciation Amount"), plus (2) an additional amount sufficient to permit the Connecting Transmission Owner to receive and retain, after the payment of all Current Taxes, an amount equal to the net amount described in clause (1).

For this purpose, (i) Current Taxes shall be computed based on Connecting Transmission Owner's composite federal and state tax rates at the time the payments or property transfers are received and Connecting Transmission Owner will be treated as being subject to tax at the highest marginal rates in effect at that time (the "Current Tax Rate"), and (ii) the Present Value Depreciation Amount shall be computed by discounting Connecting Transmission Owner's anticipated tax depreciation deductions as a result of such payments or property transfers by Connecting Transmission Owner's current weighted average cost of capital. Thus, the formula for calculating Developer's liability to Connecting Transmission Owner pursuant to this Article 5.17.4 can be expressed as follows:  $(\text{Current Tax Rate} \times (\text{Gross Income Amount} - \text{Present Value Depreciation Amount})) / (1 - \text{Current Tax Rate})$ . Developer's estimated tax liability in the event taxes are imposed shall be stated in Appendix A, Attachment Facilities and System Upgrade Facilities and System Deliverability Upgrades.

### **5.17.5 Private Letter Ruling or Change or Clarification of Law.**

At Developer's request and expense, Connecting Transmission Owner shall file with the IRS a request for a private letter ruling as to whether any property transferred or sums paid, or to be paid, by Developer to Connecting Transmission Owner under this Agreement are subject to federal income taxation. Developer will prepare the initial draft of the request for a private letter ruling, and will certify under penalties of perjury that all facts represented in such request are true and accurate to the best of Developer's knowledge. Connecting Transmission Owner and Developer shall cooperate in good faith with respect to the submission of such request.



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Connecting Transmission Owner shall keep Developer fully informed of the status of such request for a private letter ruling and shall execute either a privacy act waiver or a limited power of attorney, in a form acceptable to the IRS, that authorizes Developer to participate in all discussions with the IRS regarding such request for a private letter ruling. Connecting Transmission Owner shall allow Developer to attend all meetings with IRS officials about the request and shall permit Developer to prepare the initial drafts of any follow-up letters in connection with the request.

### **5.17.6 Subsequent Taxable Events.**

If, within 10 years from the date on which the relevant Connecting Transmission Owner Attachment Facilities are placed in service, (i) Developer Breaches the covenants contained in Article 5.17.2, (ii) a “disqualification event” occurs within the meaning of IRS Notice 88-129, or (iii) this Agreement terminates and Connecting Transmission Owner retains ownership of the Connecting Transmission Owner’s Attachment Facilities and System Upgrade Facilities and System Deliverability Upgrades, the Developer shall pay a tax gross-up for the cost consequences of any current tax liability imposed on Connecting Transmission Owner, calculated using the methodology described in Articles 5.17.3 and 5.17.4 and in accordance with IRS Notice 90-60.

### **5.17.7 Contests.**

In the event any Governmental Authority determines that Connecting Transmission Owner’s receipt of payments or property constitutes income that is subject to taxation, Connecting Transmission Owner shall notify Developer, in writing, within thirty (30) Calendar Days of receiving notification of such determination by a Governmental Authority. Upon the timely written request by Developer and at Developer’s sole expense, Connecting Transmission Owner may appeal, protest, seek abatement of, or otherwise oppose such determination. Upon Developer’s written request and sole expense, Connecting Transmission Owner may file a claim for refund with respect to any taxes paid under this Article 5.17, whether or not it has received such a determination. Connecting Transmission Owner reserves the right to make all decisions with regard to the prosecution of such appeal, protest, abatement or other contest, including the selection of counsel and compromise or settlement of the claim, but Connecting Transmission Owner shall keep Developer informed, shall consider in good faith suggestions from Developer about the conduct of the contest, and shall reasonably permit Developer or an Developer representative to attend contest proceedings.

Developer shall pay to Connecting Transmission Owner on a periodic basis, as invoiced by Connecting Transmission Owner, Connecting Transmission Owner’s documented reasonable costs of prosecuting such appeal, protest, abatement or other contest, including any costs associated with obtaining the opinion of independent tax counsel described in this Article 5.17.7. The Connecting Transmission Owner may abandon any contest if the Developer fails to provide payment to the Connecting Transmission Owner within thirty (30) Calendar Days of receiving such invoice. At any time during the contest, Connecting Transmission Owner may agree to a

settlement either with Developer's consent or after obtaining written advice from nationally-recognized tax counsel, selected by Connecting Transmission Owner, but reasonably acceptable

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to Developer, that the proposed settlement represents a reasonable settlement given the hazards of litigation. Developer's obligation shall be based on the amount of the settlement agreed to by Developer, or if a higher amount, so much of the settlement that is supported by the written advice from nationally-recognized tax counsel selected under the terms of the preceding sentence. The settlement amount shall be calculated on a fully grossed-up basis to cover any related cost consequences of the current tax liability. The Connecting Transmission Owner may also settle any tax controversy without receiving the Developer's consent or any such written advice; however, any such settlement will relieve the Developer from any obligation to indemnify Connecting Transmission Owner for the tax at issue in the contest (unless the failure to obtain written advice is attributable to the Developer's unreasonable refusal to the appointment of independent tax counsel).

### **5.17.8 Refund.**

In the event that (a) a private letter ruling is issued to Connecting Transmission Owner which holds that any amount paid or the value of any property transferred by Developer to Connecting Transmission Owner under the terms of this Agreement is not subject to federal income taxation, (b) any legislative change or administrative announcement, notice, ruling or other determination makes it reasonably clear to Connecting Transmission Owner in good faith that any amount paid or the value of any property transferred by Developer to Connecting Transmission Owner under the terms of this Agreement is not taxable to Connecting Transmission Owner, (c) any abatement, appeal, protest, or other contest results in a determination that any payments or transfers made by Developer to Connecting Transmission Owner are not subject to federal income tax, or (d) if Connecting Transmission Owner receives a refund from any taxing authority for any overpayment of tax attributable to any payment or property transfer made by Developer to Connecting Transmission Owner pursuant to this Agreement, Connecting Transmission Owner shall promptly refund to Developer the following:

- (i) Any payment made by Developer under this Article 5.17 for taxes that is attributable to the amount determined to be non-taxable, together with interest thereon,
- (ii) Interest on any amounts paid by Developer to Connecting Transmission Owner for such taxes which Connecting Transmission Owner did not submit to the taxing authority, calculated in accordance with the methodology set forth in FERC's regulations at 18 C.F.R. §35.19a(a)(2)(iii) from the date payment was made by Developer to the date Connecting Transmission Owner refunds such payment to Developer, and
- (iii) With respect to any such taxes paid by Connecting Transmission Owner, any refund or credit Connecting Transmission Owner receives or to which it may be entitled from any Governmental Authority, interest (or that portion thereof attributable to the payment described in clause (i), above) owed to the Connecting Transmission Owner for such overpayment of taxes (including any reduction in interest otherwise payable by Connecting Transmission Owner to any Governmental Authority resulting from an offset or credit);

provided, however, that Connecting Transmission Owner will remit such amount promptly to Developer only after and to the extent that Connecting Transmission Owner has received a tax

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refund, credit or offset from any Governmental Authority for any applicable overpayment of income tax related to the Connecting Transmission Owner's Attachment Facilities.

The intent of this provision is to leave both the Developer and Connecting Transmission Owner, to the extent practicable, in the event that no taxes are due with respect to any payment for Connecting Transmission Owner's Attachment Facilities and System Upgrade Facilities and System Deliverability Upgrades hereunder, in the same position they would have been in had no such tax payments been made.

### **5.17.9 Taxes Other Than Income Taxes.**

Upon the timely request by Developer, and at Developer's sole expense, Connecting Transmission Owner shall appeal, protest, seek abatement of, or otherwise contest any tax (other than federal or state income tax) asserted or assessed against Connecting Transmission Owner for which Developer may be required to reimburse Connecting Transmission Owner under the terms of this Agreement. Developer shall pay to Connecting Transmission Owner on a periodic basis, as invoiced by Connecting Transmission Owner, Connecting Transmission Owner's documented reasonable costs of prosecuting such appeal, protest, abatement, or other contest. Developer and Connecting Transmission Owner shall cooperate in good faith with respect to any such contest. Unless the payment of such taxes is a prerequisite to an appeal or abatement or cannot be deferred, no amount shall be payable by Developer to Connecting Transmission Owner for such taxes until they are assessed by a final, non-appealable order by any court or agency of competent jurisdiction. In the event that a tax payment is withheld and ultimately due and payable after appeal, Developer will be responsible for all taxes, interest and penalties, other than penalties attributable to any delay caused by Connecting Transmission Owner.

## **5.18 Tax Status; Non-Jurisdictional Entities.**

### **5.18.1 Tax Status.**

Each Party shall cooperate with the other Parties to maintain the other Parties' tax status. Nothing in this Agreement is intended to adversely affect the tax status of any Party including the status of NYISO, or the status of any Connecting Transmission Owner with respect to the issuance of bonds including, but not limited to, Local Furnishing Bonds. Notwithstanding any other provisions of this Agreement, LIPA, NYPA and Consolidated Edison Company of New York, Inc. shall not be required to comply with any provisions of this Agreement that would result in the loss of tax-exempt status of any of its Tax-Exempt Bonds or impair their ability to issue future tax-exempt obligations. For purposes of this provision, Tax-Exempt Bonds shall include the obligations of the Long Island Power Authority, NYPA and Consolidated Edison Company of New York, Inc., the interest on which is not included in gross income under the Internal Revenue Code.

### **5.18.2 Non-Jurisdictional Entities.**

LIPA and NYPA do not waive their exemptions, pursuant to Section 201(f) of the FPA, from Commission jurisdiction with respect to the Commission's exercise of the FPA's general ratemaking authority.



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### **5.19 Modification.**

#### **5.19.1 General.**

Either the Developer or Connecting Transmission Owner may undertake modifications to its facilities covered by this Agreement. If either the Developer or Connecting Transmission Owner plans to undertake a modification that reasonably may be expected to affect the other Party's facilities, that Party shall provide to the other Party, and to NYISO, sufficient information regarding such modification so that the other Party and NYISO may evaluate the potential impact of such modification prior to commencement of the work. Such information shall be deemed to be Confidential Information hereunder and shall include information concerning the timing of such modifications and whether such modifications are expected to interrupt the flow of electricity from the Merchant Transmission Facility. The Party desiring to perform such work shall provide the relevant drawings, plans, and specifications to the other Party and NYISO at least ninety (90) Calendar Days in advance of the commencement of the work or such shorter period upon which the Parties may agree, which agreement shall not unreasonably be withheld, conditioned or delayed.

In the case of Merchant Transmission Facility modifications that do not require Developer to submit an Interconnection Request, the NYISO shall provide, within sixty (60) Calendar Days (or such other time as the Parties may agree), an estimate of any additional modifications to the New York State Transmission System, Connecting Transmission Owner's Attachment Facilities or System Upgrade Facilities or System Deliverability Upgrades necessitated by such Developer modification and a good faith estimate of the costs thereof. The Developer shall be responsible for the cost of any such additional modifications, including the cost of studying the impact of the Developer modification.

#### **5.19.2 Standards.**

Any additions, modifications, or replacements made to a Party's facilities shall be designed, constructed and operated in accordance with this Agreement, NYISO requirements and Good Utility Practice.

#### **5.19.3 Modification Costs.**

Developer shall not be assigned the costs of any additions, modifications, or replacements that Connecting Transmission Owner makes to the Connecting Transmission Owner's Attachment Facilities or the New York State Transmission System to facilitate the interconnection of a third party to the Connecting Transmission Owner's Attachment Facilities or the New York State Transmission System, or to provide Transmission Service to a third party under the ISO OATT, except in accordance with the cost allocation procedures in Attachment S of the ISO OATT. Developer shall be responsible for the costs of any additions, modifications, or replacements to the Developer's Attachment Facilities that may be necessary to maintain or upgrade such Developer's Attachment Facilities consistent with Applicable Laws and Regulations, Applicable Reliability Standards or Good Utility Practice.



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### **ARTICLE 6. TESTING AND INSPECTION**

#### **6.1 Pre-Commercial Operation Date Testing and Modifications.**

Prior to the Commercial Operation Date, the Connecting Transmission Owner shall test the Connecting Transmission Owner's Attachment Facilities (including required control technologies and protection systems) and System Upgrade Facilities and System Deliverability Upgrades and Developer shall test the Merchant Transmission Facility and the Developer's Attachment Facilities to ensure their safe and reliable operation. Similar testing may be required after initial operation. Developer and Connecting Transmission Owner shall each make any modifications to its facilities that are found to be necessary as a result of such testing. Developer shall bear the cost of all such testing and modifications. Developer shall transmit test energy over the Merchant Transmission Facility only if it has arranged for the injection into the New York Control Area of such test energy in accordance with NYISO procedures.

#### **6.2 Post-Commercial Operation Date Testing and Modifications.**

Developer and Connecting Transmission Owner shall each at its own expense perform routine inspection and testing of its facilities and equipment in accordance with Good Utility Practice and Applicable Reliability Standards as may be necessary to ensure the continued interconnection of the Merchant Transmission Facility with the New York State Transmission System in a safe and reliable manner. Developer and Connecting Transmission Owner shall each have the right, upon advance written notice, to require reasonable additional testing of the other Party's facilities, at the requesting Party's expense, as may be in accordance with Good Utility Practice.

#### **6.3 Right to Observe Testing.**

Developer and Connecting Transmission Owner shall each notify the other Party, and the NYISO, in advance of its performance of tests of its Attachment Facilities and the Merchant Transmission Facility. The other Party, and the NYISO, shall each have the right, at its own expense, to observe such testing.

#### **6.4 Right to Inspect.**

Developer and Connecting Transmission Owner shall each have the right, but shall have no obligation to: (i) observe the other Party's tests and/or inspection of any of its System Protection Facilities and other protective equipment; (ii) review the settings of the other Party's System Protection Facilities and other protective equipment; and (iii) review the other Party's maintenance records relative to the Attachment Facilities, the System Protection Facilities and other protective equipment. NYISO shall have these same rights of inspection as to the facilities and equipment of Developer and Connecting Transmission Owner. A Party may exercise these rights from time to time as it deems necessary upon reasonable notice to the other Party. The exercise or non-exercise by a Party of any such rights shall not be construed as an endorsement or confirmation of any element or condition of the Attachment Facilities or the System

Protection Facilities or other protective equipment or the operation thereof, or as a warranty as to the fitness, safety, desirability, or reliability of same. Any information that a Party obtains

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through the exercise of any of its rights under this Article 6.4 shall be treated in accordance with Article 22 of this Agreement and Attachment F to the ISO OATT.

### **ARTICLE 7. METERING**

#### **7.1 General.**

Developer and Connecting Transmission Owner shall each comply with applicable requirements of NYISO and the New York Public Service Commission when exercising its rights and fulfilling its responsibilities under this Article 7. Unless otherwise agreed by the Connecting Transmission Owner and NYISO approved meter service provider and Developer, the Connecting Transmission Owner shall install Metering Equipment at the Point of Interconnection prior to any operation of the Merchant Transmission Facility and shall own, operate, test and maintain such Metering Equipment. Net power flows including MW and MVAR, MWHR and loss profile data to and from the Merchant Transmission Facility shall be measured at the Point of Interconnection. Connecting Transmission Owner shall provide metering quantities, in analog and/or digital form, as required, to Developer or NYISO upon request. Developer shall bear all reasonable documented costs associated with the purchase, installation, operation, testing and maintenance of the Metering Equipment.

#### **7.2 Check Meters.**

Developer, at its option and expense, may install and operate, on its premises and on its side of the Point of Interconnection, one or more check meters to check Connecting Transmission Owner's meters. Such check meters shall be for check purposes only and shall not be used for the measurement of power flows for purposes of this Agreement, except as provided in Article 7.4 below. The check meters shall be subject at all reasonable times to inspection and examination by Connecting Transmission Owner or its designee. The installation, operation and maintenance thereof shall be performed entirely by Developer in accordance with Good Utility Practice.

#### **7.3 Standards.**

Connecting Transmission Owner shall install, calibrate, and test revenue quality Metering Equipment including potential transformers and current transformers in accordance with applicable ANSI and PSC standards as detailed in the NYISO Control Center Communications Manual and in the NYISO Revenue Metering Requirements Manual.

#### **7.4 Testing of Metering Equipment.**

Connecting Transmission Owner shall inspect and test all of its Metering Equipment upon installation and at least once every two (2) years thereafter. If requested to do so by NYISO or Developer, Connecting Transmission Owner shall, at Developer's expense, inspect or test Metering Equipment more frequently than every two (2) years. Connecting Transmission Owner shall give reasonable notice of the time when any inspection or test shall take place, and Developer and NYISO may have representatives present at the test or inspection. If at any time

Metering Equipment is found to be inaccurate or defective, it shall be adjusted, repaired or replaced at Developer's expense, in order to provide accurate metering, unless the inaccuracy or

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defect is due to Connecting Transmission Owner's failure to maintain, then Connecting Transmission Owner shall pay. If Metering Equipment fails to register, or if the measurement made by Metering Equipment during a test varies by more than two percent from the measurement made by the standard meter used in the test, Connecting Transmission Owner shall adjust the measurements by correcting all measurements for the period during which Metering Equipment was in error by using Developer's check meters, if installed. If no such check meters are installed or if the period cannot be reasonably ascertained, the adjustment shall be for the period immediately preceding the test of the Metering Equipment equal to one-half the time from the date of the last previous test of the Metering Equipment. The NYISO shall reserve the right to review all associated metering equipment installation on the Developer's or Connecting Transmission Owner's property at any time.

### **7.5 Metering Data.**

At Developer's expense, the metered data shall be telemetered to one or more locations designated by Connecting Transmission Owner, Developer and NYISO. Such telemetered data shall be used, under normal operating conditions, as the official measurement of the amount of energy delivered from the Merchant Transmission Facility to the Point of Interconnection.

## **ARTICLE 8. COMMUNICATIONS**

### **8.1 Developer Obligations.**

In accordance with applicable NYISO requirements, Developer shall maintain satisfactory operating communications with Connecting Transmission Owner and NYISO. Developer shall provide standard voice line, dedicated voice line and facsimile communications at its Merchant Transmission Facility control room or central dispatch facility through use of either the public telephone system, or a voice communications system that does not rely on the public telephone system. Developer shall also provide the dedicated data circuit(s) necessary to provide Developer data to Connecting Transmission Owner and NYISO as set forth in Appendix D hereto. The data circuit(s) shall extend from the Merchant Transmission Facility to the location(s) specified by Connecting Transmission Owner and NYISO. Any required maintenance of such communications equipment shall be performed by Developer. Operational communications shall be activated and maintained under, but not be limited to, the following events: system paralleling or separation, scheduled and unscheduled shutdowns, equipment clearances, and hourly and daily load data.

### **8.2 Remote Terminal Unit.**

Prior to the Initial Synchronization Date of the Merchant Transmission Facility, a Remote Terminal Unit, or equivalent data collection and transfer equipment acceptable to the Parties, shall be installed by Developer, or by Connecting Transmission Owner at Developer's expense, to gather accumulated and instantaneous data to be telemetered to the location(s) designated by Connecting Transmission Owner and NYISO through use of a dedicated point-to-point data

circuit(s) as indicated in Article 8.1. The communication protocol for the data circuit(s) shall be specified by Connecting Transmission Owner and NYISO. Instantaneous bi-directional analog



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real power and reactive power flow information must be telemetered directly to the location(s) specified by Connecting Transmission Owner and NYISO.

Each Party will promptly advise the appropriate other Party if it detects or otherwise learns of any metering, telemetry or communications equipment errors or malfunctions that require the attention and/or correction by that other Party. The Party owning such equipment shall correct such error or malfunction as soon as reasonably feasible.

### **8.3 No Annexation.**

Any and all equipment placed on the premises of a Party shall be and remain the property of the Party providing such equipment regardless of the mode and manner of annexation or attachment to real property, unless otherwise mutually agreed by the Party providing such equipment and the Party receiving such equipment.

## **ARTICLE 9. OPERATIONS**

### **9.1 General.**

Each Party shall comply with Applicable Laws and Regulations and Applicable Reliability Standards. Each Party shall provide to the other Parties all information that may reasonably be required by the other Parties to comply with Applicable Laws and Regulations and Applicable Reliability Standards.

### **9.2 NYISO and Connecting Transmission Owner Obligations.**

Connecting Transmission Owner and NYISO shall cause the New York State Transmission System and the Connecting Transmission Owner's Attachment Facilities to be operated, maintained and controlled in a safe and reliable manner in accordance with this Agreement and the NYISO Tariffs. Connecting Transmission Owner and NYISO may provide operating instructions to Developer consistent with this Agreement, NYISO procedures and Connecting Transmission Owner's operating protocols and procedures as they may change from time to time. Connecting Transmission Owner and NYISO will consider changes to their respective operating protocols and procedures proposed by Developer.

### **9.3 Developer Obligations.**

Developer shall at its own expense operate, maintain and control the Merchant Transmission Facility and the Developer's Attachment Facilities in a safe and reliable manner and in accordance with this Agreement. Developer shall operate the Merchant Transmission Facility and the Developer's Attachment Facilities in accordance with NYISO and Connecting Transmission Owner requirements, as such requirements are set forth or referenced in Appendix C hereto. Appendix C will be modified to reflect changes to the requirements as they may change from time to time. Any Party may request that the appropriate other Party or Parties provide copies of the requirements set forth or referenced in Appendix C hereto.



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### **9.4 Start-Up and Synchronization.**

Consistent with the mutually acceptable procedures of the Developer and Connecting Transmission Owner, the Developer is responsible for the proper synchronization of the Merchant Transmission Facility to the New York State Transmission System in accordance with NYISO and Connecting Transmission Owner procedures and requirements.

### **9.5 Real and Reactive Power Control and Primary Frequency Response.**

#### **9.5.1 Power Factor Design Criteria**

Developer shall design the Merchant Transmission Facility to maintain an effective power delivery at maximum rated power of 0.95 inductive to 0.95 capacitive at the Point of Interconnection.

#### **9.5.2 Voltage Schedules.**

Once the Developer has synchronized the Merchant Transmission Facility with the New York State Transmission System, NYISO shall require Developer to operate the Merchant Transmission Facility to produce or absorb reactive power within the design capability of the Merchant Transmission Facility set forth in Article 9.5.1 (Power Factor Design Criteria). NYISO's voltage schedules shall treat all sources of reactive power in the New York Control Area in an equitable and not unduly discriminatory manner. NYISO shall exercise Reasonable Efforts to provide Developer with such schedules in accordance with NYISO procedures, and may make changes to such schedules as necessary to maintain the reliability of the New York State Transmission System. Developer shall operate the Merchant Transmission Facility to maintain the specified output voltage or power factor at the Point of Interconnection within the design capability of the Merchant Transmission Facility set forth in Article 9.5.1 (Power Factor Design Criteria) as directed by the Connecting Transmission Owner's system operator or the NYISO. If Developer is unable to maintain the specified voltage or power factor, it shall promptly notify NYISO.

#### **9.5.3 Payment for Reactive Power.**

NYISO shall pay Developer for reactive power or voltage support service that Developer provides from the Merchant Transmission Facility in accordance with the provisions of Rate Schedule 2 of the NYISO Services Tariff.

#### **9.5.4 Voltage Regulators.**

Whenever the Merchant Transmission Facility is operated in parallel with the New York State Transmission System, the automatic voltage regulators shall be in automatic operation at all times. If the Merchant Transmission Facility's automatic voltage regulators are not capable of such automatic operation, the Developer shall immediately notify NYISO, or its designated representative, and ensure that such Merchant Transmission Facility's real and reactive power are within the design

capability of the Merchant Transmission Facility's transmission facilities and steady state stability limits and NYISO system operating (thermal, voltage and transient stability) limits. Developer shall

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not cause its Merchant Transmission Facility to disconnect automatically or instantaneously from the New York State Transmission System or trip any transmission facilities comprising the Merchant Transmission Facility for an under or over frequency condition unless the abnormal frequency condition persists beyond the limits set forth in Table 1 below.

Under-Frequency	Over-Frequency	Duration
≤58.5 Hz	≥62 Hz	30 seconds
≤56 Hz	-	10 seconds

**Table 1. Power frequency characteristics**

**9.6 Outages and Interruptions.**

**9.6.1 Outages.**

**9.6.1.1 Outage Authority and Coordination.**

Developer and Connecting Transmission Owner may each, in accordance with NYISO procedures and Good Utility Practice and in coordination with the other Party, remove from service any of its respective Attachment Facilities or System Upgrade Facilities and System Deliverability Upgrades that may impact the other Party’s facilities as necessary to perform maintenance or testing or to install or replace equipment. Absent an Emergency State, the Party scheduling a removal of such facility(ies) from service will use Reasonable Efforts to schedule such removal on a date and time mutually acceptable to both the Developer and the Connecting Transmission Owner. In all circumstances either Party planning to remove such facility(ies) from service shall use Reasonable Efforts to minimize the effect on the other Party of such removal.

**9.6.1.2 Outage Schedules.**

The Connecting Transmission Owner shall post scheduled outages of its transmission facilities on the NYISO OASIS. Developer shall submit its planned maintenance schedules for the Merchant Transmission Facility to Connecting Transmission Owner and NYISO for a minimum of a rolling thirty-six month period. Developer shall update its planned maintenance schedules as necessary. NYISO may direct, or the Connecting Transmission Owner may request, Developer to reschedule its maintenance as necessary to maintain the reliability of the New York State Transmission System. Compensation to Developer for any additional direct costs that the Developer incurs as a result of rescheduling maintenance, including any additional overtime, breaking of maintenance contracts or other costs above and beyond the cost the Developer would have incurred absent the request to reschedule maintenance, shall be in accordance with the ISO OATT. Developer will not be eligible to receive compensation, if during the twelve (12) months prior to the date of the scheduled maintenance, the Developer had

modified its schedule of maintenance activities other than at the direction of the NYISO or request of the Connecting Transmission Owner.

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### **9.6.1.3 Outage Restoration.**

If an outage on the Attachment Facilities or System Upgrade Facilities or System Deliverability Upgrades of the Connecting Transmission Owner or Developer adversely affects the other Party's operations or facilities, the Party that owns the facility that is out of service shall use Reasonable Efforts to promptly restore such facility(ies) to a normal operating condition consistent with the nature of the outage. The Party that owns the facility that is out of service shall provide the other Party and NYISO, to the extent such information is known, information on the nature of the Emergency State, an estimated time of restoration, and any corrective actions required. Initial verbal notice shall be followed up as soon as practicable with written notice explaining the nature of the outage.

**9.6.2 Interruption of Service.** If required by Good Utility Practice or Applicable Reliability Standards to do so, the NYISO or Connecting Transmission Owner may require Developer to interrupt or reduce transmission of electricity over the Merchant Transmission Facility if such transmission could adversely affect the ability of NYISO and Connecting Transmission Owner to perform such activities as are necessary to safely and reliably operate and maintain the New York State Transmission System. The following provisions shall apply to any interruption or reduction permitted under this Article 9.6.2:

**9.6.2.1** The interruption or reduction shall continue only for so long as reasonably necessary under Good Utility Practice;

**9.6.2.2** Any such interruption or reduction shall be made on an equitable, nondiscriminatory basis with respect to all generating and merchant transmission facilities directly connected to the New York State Transmission System;

**9.6.2.3** When the interruption or reduction must be made under circumstances which do not allow for advance notice, NYISO or Connecting Transmission Owner shall notify Developer by telephone as soon as practicable of the reasons for the curtailment, interruption, or reduction, and, if known, its expected duration. Telephone notification shall be followed by written notification as soon as practicable;

**9.6.2.4** Except during the existence of an Emergency State, when the interruption or reduction can be scheduled without advance notice, NYISO or Connecting Transmission Owner shall notify Developer in advance regarding the timing of such scheduling and further notify Developer of the expected duration. NYISO or Connecting Transmission Owner shall coordinate with each other and the Developer using Good Utility Practice to schedule the interruption or reduction during periods of least impact to the Developer, the Connecting Transmission Owner and the New York State Transmission System;

**9.6.2.5** The Parties shall cooperate and coordinate with each other to the extent necessary in order to restore the Merchant Transmission Facility, Attachment Facilities, and the New York State Transmission System to their normal operating state, consistent with system conditions and Good Utility Practice.





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### **9.6.3 Under-Frequency and Over Frequency Conditions.**

The New York State Transmission System is designed to automatically activate a load-shed program as required by the NPCC in the event of an under-frequency system disturbance. Developer shall implement under-frequency and over-frequency relay set points for the Merchant Transmission Facility as required by the NPCC to ensure “ride through” capability of the New York State Transmission System. Merchant Transmission Facility response to frequency deviations of predetermined magnitudes, both under-frequency and over-frequency deviations, shall be studied and coordinated with the NYISO and Connecting Transmission Owner in accordance with Good Utility Practice. The term “ride through” as used herein shall mean the ability of a Merchant Transmission Facility to stay connected to and synchronized with the New York State Transmission System during system disturbances within a range of under-frequency and over-frequency conditions, in accordance with Good Utility Practice and with NPCC Regional Reliability Reference Directory # 12, or its successor.

### **9.6.4 System Protection and Other Control Requirements.**

**9.6.4.1 System Protection Facilities.** Developer shall, at its expense, install, operate and maintain System Protection Facilities as a part of the Merchant Transmission Facility or Developer’s Attachment Facilities. Connecting Transmission Owner shall install at Developer’s expense any System Protection Facilities that may be required on the Connecting Transmission Owner’s Attachment Facilities or the New York State Transmission System as a result of the interconnection of the Merchant Transmission Facility and Developer’s Attachment Facilities.

**9.6.4.2** The protection facilities of both the Developer and Connecting Transmission Owner shall be designed and coordinated with other systems in accordance with Good Utility Practice and Applicable Reliability Standards.

**9.6.4.3** The Developer and Connecting Transmission Owner shall each be responsible for protection of its respective facilities consistent with Good Utility Practice and Applicable Reliability Standards.

**9.6.4.4** The protective relay design of the Developer and Connecting Transmission Owner shall each incorporate the necessary test switches to perform the tests required in Article 6 of this Agreement. The required test switches will be placed such that they allow operation of lockout relays while preventing breaker failure schemes from operating and causing unnecessary breaker operations and/or the tripping of the Developer’s Merchant Transmission Facility or the Connecting Transmission Owner’s facilities.

**9.6.4.5** The Developer and Connecting Transmission Owner will each test, operate and maintain System Protection Facilities in accordance with Good Utility Practice, NERC and NPCC criteria.

**9.6.4.6** Prior to the In-Service Date, and again prior to the Commercial Operation Date, the Developer and Connecting Transmission Owner shall each perform, or their agents shall perform, a complete calibration test and functional trip test of the System Protection

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Facilities. At intervals suggested by Good Utility Practice and following any apparent malfunction of the System Protection Facilities, the Developer and Connecting Transmission Owner shall each perform both calibration and functional trip tests of its System Protection Facilities. These tests do not require the tripping of any in-service generation unit. These tests do, however, require that all protective relays and lockout contacts be activated.

### **9.6.5 Requirements for Protection.**

In compliance with NPCC requirements and Good Utility Practice, Developer shall provide, install, own, and maintain relays, circuit breakers and all other devices necessary to remove any fault contribution of the Merchant Transmission Facility to any short circuit occurring on the New York State Transmission System not otherwise isolated by Connecting Transmission Owner's equipment, such that the removal of the fault contribution shall be coordinated with the protective requirements of the New York State Transmission System. Developer shall be solely responsible to disconnect the Merchant Transmission Facility and Developer's other equipment if conditions on the New York State Transmission System could adversely affect the Merchant Transmission Facility.

### **9.6.6 Power Quality.**

Neither the facilities of Developer nor the facilities of Connecting Transmission Owner shall cause excessive voltage flicker nor introduce excessive distortion to the sinusoidal voltage or current waves as defined by ANSI Standard C84.1-1989, in accordance with IEEE Standard 519, or any applicable superseding electric industry standard. In the event of a conflict between ANSI Standard C84.1-1989, or any applicable superseding electric industry standard, ANSI Standard C84.1-1989, or the applicable superseding electric industry standard, shall control.

## **9.7 Switching and Tagging Rules.**

The Developer and Connecting Transmission Owner shall each provide the other Party a copy of its switching and tagging rules that are applicable to the other Party's activities. Such switching and tagging rules shall be developed on a nondiscriminatory basis. The Parties shall comply with applicable switching and tagging rules, as amended from time to time, in obtaining clearances for work or for switching operations on equipment.

## **9.8 Use of Attachment Facilities by Third Parties.**

### **9.8.1 Purpose of Attachment Facilities.**

Except as may be required by Applicable Laws and Regulations, or as otherwise agreed to among the Parties, the Attachment Facilities shall be constructed for the sole purpose of interconnecting the Merchant Transmission Facility to the New York State Transmission System and shall be used for no other purpose.



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### **9.8.2 Third Party Users.**

If required by Applicable Laws and Regulations or if the Parties mutually agree, such agreement not to be unreasonably withheld, to allow one or more third parties to use the Connecting Transmission Owner's Attachment Facilities, or any part thereof, Developer will be entitled to compensation for the capital expenses it incurred in connection with the Attachment Facilities based upon the pro rata use of the Attachment Facilities by Connecting Transmission Owner, all third party users, and Developer, in accordance with Applicable Laws and Regulations or upon some other mutually-agreed upon methodology. In addition, cost responsibility for ongoing costs, including operation and maintenance costs associated with the Attachment Facilities, will be allocated between Developer and any third party users based upon the pro rata use of the Attachment Facilities by Connecting Transmission Owner, all third party users, and Developer, in accordance with Applicable Laws and Regulations or upon some other mutually agreed upon methodology. If the issue of such compensation or allocation cannot be resolved through such negotiations, it shall be submitted to FERC for resolution.

### **9.9 Disturbance Analysis Data Exchange.**

The Parties will cooperate with one another and the NYISO in the analysis of disturbances to either the Merchant Transmission Facility or the New York State Transmission System by gathering and providing access to any information relating to any disturbance, including information from disturbance recording equipment, protective relay targets, breaker operations and sequence of events records, and any disturbance information required by Good Utility Practice.

### **9.10 Phasor Measurement Units**

A Developer or the Connecting Transmission Owner shall install, at Developer's expense, a phasor measurement unit ("PMU") if the Developer meets the following criteria: (1) completed a Class Year after Class Year 2017; and (2) proposes a new Large Facility that either (a) has a maximum net output equal to or greater than 100 MW or (b) requires, as Attachment Facilities or System Upgrade Facilities, a new substation of 230kV or above.

The PMU shall be installed on the high side of the Point of Interconnection. The PMU must be capable of performing phasor measurements at a minimum of 60 samples per second which are synchronized via a high-accuracy satellite clock. To the extent Developer or Connecting Transmission Owner installs similar quality equipment, such as relays or digital fault recorders, that can collect data at least at the same rate as PMUs and which data is synchronized via a high-accuracy satellite clock, such equipment would satisfy this requirement.

Developer or Connecting Transmission Owner shall be required to install, at Developer's expense, PMU equipment, which includes the communication circuit capable of carrying the PMU data to the Connecting Transmission Owner's data concentrator. Connecting Transmission Owner will store the PMU data locally for thirty days. The Developer's and Connecting Transmission Owner's responsibilities concerning the PMU and PMU equipment shall be set

forth in Appendix A to this Agreement. Connecting Transmission Owner shall provide the NYISO all necessary and requested information through its and the NYISO's synchrophasor

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system, including the following: (a) gross MW and MVAR measured at the high side of the Point of Interconnection; (b) terminal voltage and current magnitudes and angles at the high side of the Point of Interconnection; (c) terminal frequency and frequency rate of change at the high side of the Point of Interconnection; and (d) breaker status, if available. The Connecting Transmission Owner will provide for the ongoing support and maintenance of the network communications linking its data concentrator to the NYISO, consistent with ISO Procedures detailing the obligations related to SCADA data.

### **ARTICLE 10. MAINTENANCE**

#### **10.1 Connecting Transmission Owner Obligations.**

Connecting Transmission Owner shall maintain its transmission facilities and Attachment Facilities in a safe and reliable manner and in accordance with this Agreement.

#### **10.2 Developer Obligations.**

Developer shall maintain its Merchant Transmission Facility and Attachment Facilities in a safe and reliable manner and in accordance with this Agreement.

#### **10.3 Coordination.**

The Developer and Connecting Transmission Owner shall confer regularly to coordinate the planning, scheduling and performance of preventive and corrective maintenance on the Merchant Transmission Facility and the Attachment Facilities. The Developer and Connecting Transmission Owner shall keep NYISO fully informed of the preventive and corrective maintenance that is planned, and shall schedule all such maintenance in accordance with NYISO procedures.

#### **10.4 Secondary Systems.**

The Developer and Connecting Transmission Owner shall each cooperate with the other in the inspection, maintenance, and testing of control or power circuits that operate below 600 volts, AC or DC, including, but not limited to, any hardware, control or protective devices, cables, conductors, electric raceways, secondary equipment panels, transducers, batteries, chargers, and voltage and current transformers that directly affect the operation of Developer or Connecting Transmission Owner's facilities and equipment which may reasonably be expected to impact the other Party. The Developer and Connecting Transmission Owner shall each provide advance notice to the other Party, and to NYISO, before undertaking any work on such circuits, especially on electrical circuits involving circuit breaker trip and close contacts, current transformers, or potential transformers.

#### **10.5 Operating and Maintenance Expenses.**

Subject to the provisions herein addressing the use of facilities by others, and except for operations and maintenance expenses associated with modifications made for providing

interconnection or transmission service to a third party and such third party pays for such expenses, Developer shall be responsible for all reasonable expenses including overheads,



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associated with: (1) owning, operating, maintaining, repairing, and replacing Developer's Attachment Facilities; and (2) operation, maintenance, repair and replacement of Connecting Transmission Owner's Attachment Facilities. The Connecting Transmission Owner shall be entitled to the recovery of incremental operating and maintenance expenses that it incurs associated with System Upgrade Facilities and System Deliverability Upgrades if and to the extent provided for under Attachment S to the ISO OATT.

### **ARTICLE 11. PERFORMANCE OBLIGATION**

#### **11.1 Developer's Attachment Facilities.**

Developer shall design, procure, construct, install, own and/or control the Developer's Attachment Facilities described in Appendix A hereto, at its sole expense.

#### **11.2 Connecting Transmission Owner's Attachment Facilities.**

Connecting Transmission Owner shall design, procure, construct, install, own and/or control the Connecting Transmission Owner's Attachment Facilities described in Appendix A hereto, at the sole expense of the Developer.

#### **11.3 System Upgrade Facilities and System Deliverability Upgrades.**

Connecting Transmission Owner shall design, procure, construct, install, and own the System Upgrade Facilities and System Deliverability Upgrades described in Appendix A hereto. The responsibility of the Developer for costs related to System Upgrade Facilities and System Deliverability Upgrades shall be determined in accordance with the provisions of Attachment S to the ISO OATT.

#### **11.4 Special Provisions for Affected Systems.**

For the re-payment of amounts advanced to Affected System Operator for System Upgrade Facilities or System Deliverability Upgrades, the Developer and Affected System Operator shall enter into an agreement that provides for such re-payment, but only if responsibility for the cost of such System Upgrade Facilities or System Deliverability Upgrades is not to be allocated in accordance with Attachment S to the ISO OATT. The agreement shall specify the terms governing payments to be made by the Developer to the Affected System Operator as well as the re-payment by the Affected System Operator.

#### **11.5 Provision of Security.**

At least thirty (30) Calendar Days prior to the commencement of the procurement, installation, or construction of a discrete portion of a Connecting Transmission Owner's Attachment Facilities, Developer shall provide Connecting Transmission Owner, at Developer's option, a guarantee, a surety bond, letter of credit or other form of security that is reasonably acceptable to Connecting Transmission Owner and is consistent with the Uniform Commercial Code of the jurisdiction identified in Article 14.2.1 of this Agreement. Such security for

payment shall be in an amount sufficient to cover the cost for the Developer's share of constructing, procuring and installing the applicable portion of Connecting Transmission

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Owner's Attachment Facilities, and shall be reduced on a dollar-for-dollar basis for payments made to Connecting Transmission Owner for these purposes.

In addition:

**11.5.1** The guarantee must be made by an entity that meets the commercially reasonable creditworthiness requirements of Connecting Transmission Owner, and contains terms and conditions that guarantee payment of any amount that may be due from Developer, up to an agreed-to maximum amount.

**11.5.2** The letter of credit must be issued by a financial institution reasonably acceptable to Connecting Transmission Owner and must specify a reasonable expiration date.

**11.5.3** The surety bond must be issued by an insurer reasonably acceptable to Connecting Transmission Owner and must specify a reasonable expiration date.

**11.5.4** Attachment S to the ISO OATT shall govern the Security that Developer provides for System Upgrade Facilities and System Deliverability Upgrades.

### **11.6 Developer Compensation for Emergency Services.**

If, during an Emergency State, the Developer provides services at the request or direction of the NYISO or Connecting Transmission Owner, the Developer will be compensated for such services in accordance with the NYISO Services Tariff.

### **11.7 Line Outage Costs.**

Notwithstanding anything in the ISO OATT to the contrary, the Connecting Transmission Owner may propose to recover line outage costs associated with the installation of Connecting Transmission Owner's Attachment Facilities or System Upgrade Facilities or System Deliverability Upgrades on a case-by-case basis.

## **ARTICLE 12. INVOICE**

### **12.1 General.**

The Developer and Connecting Transmission Owner shall each submit to the other Party, on a monthly basis, invoices of amounts due for the preceding month. Each invoice shall state the month to which the invoice applies and fully describe the services and equipment provided. The Developer and Connecting Transmission Owner may discharge mutual debts and payment obligations due and owing to each other on the same date through netting, in which case all amounts one Party owes to the other Party under this Agreement, including interest payments or credits, shall be netted so that only the net amount remaining due shall be paid by the owing Party.



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### **12.2 Final Invoice.**

Within six months after completion of the construction of the Connecting Transmission Owner's Attachment Facilities and the System Upgrade Facilities and System Deliverability Upgrades, Connecting Transmission Owner shall provide an invoice of the final cost of the construction of the Connecting Transmission Owner's Attachment Facilities and the System Upgrade Facilities and System Deliverability Upgrades, determined in accordance with Attachment S to the ISO OATT, and shall set forth such costs in sufficient detail to enable Developer to compare the actual costs with the estimates and to ascertain deviations, if any, from the cost estimates. Connecting Transmission Owner shall refund to Developer any amount by which the actual payment by Developer for estimated costs exceeds the actual costs of construction within thirty (30) Calendar Days of the issuance of such final construction invoice.

### **12.3 Payment.**

Invoices shall be rendered to the paying Party at the address specified in Appendix F hereto. The Party receiving the invoice shall pay the invoice within thirty (30) Calendar Days of receipt. All payments shall be made in immediately available funds payable to the other Party, or by wire transfer to a bank named and account designated by the invoicing Party. Payment of invoices will not constitute a waiver of any rights or claims the paying Party may have under this Agreement.

### **12.4 Disputes.**

In the event of a billing dispute between Connecting Transmission Owner and Developer, Connecting Transmission Owner shall continue to perform under this Agreement as long as Developer: (i) continues to make all payments not in dispute; and (ii) pays to Connecting Transmission Owner or into an independent escrow account the portion of the invoice in dispute, pending resolution of such dispute. If Developer fails to meet these two requirements for continuation of service, then Connecting Transmission Owner may provide notice to Developer of a Default pursuant to Article 17. Within thirty (30) Calendar Days after the resolution of the dispute, the Party that owes money to the other Party shall pay the amount due with interest calculated in accord with the methodology set forth in FERC's Regulations at 18 C.F.R. § 35.19a(a)(2)(iii).

## **ARTICLE 13. EMERGENCIES**

### **13.1 Obligations.**

Each Party shall comply with the Emergency State procedures of NYISO, the applicable Reliability Councils, Applicable Laws and Regulations, and any emergency procedures agreed to by the NYISO Operating Committee.

### **13.2 Notice.**

NYISO or, as applicable, Connecting Transmission Owner shall notify Developer

promptly when it becomes aware of an Emergency State that affects the Connecting Transmission Owner's Attachment Facilities or the New York State Transmission System that

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may reasonably be expected to affect Developer's operation of the Merchant Transmission Facility or the Developer's Attachment Facilities. Developer shall notify NYISO and Connecting Transmission Owner promptly when it becomes aware of an Emergency State that affects the Merchant Transmission Facility or the Developer's Attachment Facilities that may reasonably be expected to affect the New York State Transmission System or the Connecting Transmission Owner's Attachment Facilities. To the extent information is known, the notification shall describe the Emergency State, the extent of the damage or deficiency, the expected effect on the operation of Developer's or Connecting Transmission Owner's facilities and operations, its anticipated duration and the corrective action taken and/or to be taken. The initial notice shall be followed as soon as practicable with written notice.

### **13.3 Immediate Action.**

Unless, in Developer's reasonable judgment, immediate action is required, Developer shall obtain the consent of Connecting Transmission Owner, such consent to not be unreasonably withheld, prior to performing any manual switching operations at the Merchant Transmission Facility or the Developer's Attachment Facilities in response to an Emergency State either declared by NYISO, Connecting Transmission Owner or otherwise regarding New York State Transmission System.

### **13.4 NYISO and Connecting Transmission Owner Authority.**

#### **13.4.1 General.**

NYISO or Connecting Transmission Owner may take whatever actions with regard to the New York State Transmission System or the Connecting Transmission Owner's Attachment Facilities it deems necessary during an Emergency State in order to (i) preserve public health and safety, (ii) preserve the reliability of the New York State Transmission System or the Connecting Transmission Owner's Attachment Facilities, (iii) limit or prevent damage, and (iv) expedite restoration of service.

NYISO and Connecting Transmission Owner shall use Reasonable Efforts to minimize the effect of such actions or inactions on the Merchant Transmission Facility or the Developer's Attachment Facilities. NYISO or Connecting Transmission Owner may, on the basis of technical considerations, require the Merchant Transmission Facility to mitigate an Emergency State by taking actions necessary and limited in scope to remedy the Emergency State, including, but not limited to, directing Developer to shut-down, start-up, increase or decrease the real or reactive power output of the Merchant Transmission Facility; implementing a reduction or disconnection pursuant to Article 13.4.2; directing the Developer to assist with blackstart (if available) or restoration efforts; or altering the outage schedules of the Merchant Transmission Facility and the Developer's Attachment Facilities. Developer shall comply with all of the NYISO and Connecting Transmission Owner's operating instructions concerning Merchant Transmission Facility real power and reactive power output within the manufacturer's design limitations of the Merchant Transmission Facility's equipment that is in service and physically available for operation at the time, in compliance with Applicable Laws and Regulations.





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### **13.4.2 Reduction and Disconnection.**

NYISO or Connecting Transmission Owner may reduce Energy Resource Interconnection Service and Capacity Resource Interconnection Service or disconnect the Merchant Transmission Facility or the Developer's Attachment Facilities, when such reduction or disconnection is necessary under Good Utility Practice due to an Emergency State. These rights are separate and distinct from any right of Curtailment of NYISO pursuant to the ISO OATT. When NYISO or Connecting Transmission Owner can schedule the reduction or disconnection in advance, NYISO or Connecting Transmission Owner shall notify Developer of the reasons, timing and expected duration of the reduction or disconnection. NYISO or Connecting Transmission Owner shall coordinate with the Developer using Good Utility Practice to schedule the reduction or disconnection during periods of least impact to the Developer and the New York State Transmission System. Any reduction or disconnection shall continue only for so long as reasonably necessary under Good Utility Practice. The Parties shall cooperate with each other to restore the Merchant Transmission Facility, the Attachment Facilities, and the New York State Transmission System to their normal operating state as soon as practicable consistent with Good Utility Practice.

### **13.5 Developer Authority.**

Consistent with Good Utility Practice and this Agreement, the Developer may take whatever actions or inactions with regard to the Merchant Transmission Facility or the Developer's Attachment Facilities during an Emergency State in order to (i) preserve public health and safety, (ii) preserve the reliability of the Merchant Transmission Facility or the Developer's Attachment Facilities, (iii) limit or prevent damage, and (iv) expedite restoration of service. Developer shall use Reasonable Efforts to minimize the effect of such actions or inactions on the New York State Transmission System and the Connecting Transmission Owner's Attachment Facilities. NYISO and Connecting Transmission Owner shall use Reasonable Efforts to assist Developer in such actions.

### **13.6 Limited Liability.**

Except as otherwise provided in Article 11.6 of this Agreement, no Party shall be liable to another Party for any action it takes in responding to an Emergency State so long as such action is made in good faith and is consistent with Good Utility Practice and the NYISO Tariffs.

## **ARTICLE 14. REGULATORY REQUIREMENTS AND GOVERNING LAW**

### **14.1 Regulatory Requirements.**

Each Party's obligations under this Agreement shall be subject to its receipt of any required approval or certificate from one or more Governmental Authorities in the form and substance satisfactory to the applying Party, or the Party making any required filings with, or providing notice to, such Governmental Authorities, and the expiration of any time period

associated therewith. Each Party shall in good faith seek and use its Reasonable Efforts to obtain such other approvals. Nothing in this Agreement shall require Developer to take any action that could result in its inability to obtain, or its loss of, status or exemption under the Federal Power

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Act or the Public Utility Holding Company Act of 2005 or the Public Utility Regulatory Policies Act of 1978, as amended.

### **14.2 Governing Law.**

**14.2.1** The validity, interpretation and performance of this Agreement and each of its provisions shall be governed by the laws of the state of New York, without regard to its conflicts of law principles.

**14.2.2** This Agreement is subject to all Applicable Laws and Regulations.

**14.2.3** Each Party expressly reserves the right to seek changes in, appeal, or otherwise contest any laws, orders, rules, or regulations of a Governmental Authority.

## **ARTICLE 15. NOTICES**

### **15.1 General.**

Unless otherwise provided in this Agreement, any notice, demand or request required or permitted to be given by a Party to the other Parties and any instrument required or permitted to be tendered or delivered by a Party in writing to the other Parties shall be effective when delivered and may be so given, tendered or delivered, by recognized national courier, or by depositing the same with the United States Postal Service with postage prepaid, for delivery by certified or registered mail, addressed to the Party, or personally delivered to the Party, at the address set out in Appendix F hereto.

A Party may change the notice information in this Agreement by giving five (5) Business Days written notice prior to the effective date of the change.

### **15.2 Billings and Payments.**

Billings and payments shall be sent to the addresses set out in Appendix F hereto.

### **15.3 Alternative Forms of Notice.**

Any notice or request required or permitted to be given by a Party to the other Parties and not required by this Agreement to be given in writing may be so given by telephone, facsimile or email to the telephone numbers and email addresses set out in Appendix F hereto.

### **15.4 Operations and Maintenance Notice.**

Developer and Connecting Transmission Owner shall each notify the other Party, and NYISO, in writing of the identity of the person(s) that it designates as the point(s) of contact with respect to the implementation of Articles 9 and 0 of this Agreement.

## **ARTICLE 16. FORCE MAJEURE**

**16.1** Economic hardship is not considered a Force Majeure event.

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**16.2** A Party shall not be responsible or liable, or deemed, in Default with respect to any obligation hereunder, (including obligations under Article 4 of this Agreement) , other than the obligation to pay money when due, to the extent the Party is prevented from fulfilling such obligation by Force Majeure. A Party unable to fulfill any obligation hereunder (other than an obligation to pay money when due) by reason of Force Majeure shall give notice and the full particulars of such Force Majeure to the other Parties in writing or by telephone as soon as reasonably possible after the occurrence of the cause relied upon. Telephone notices given pursuant to this Article shall be confirmed in writing as soon as reasonably possible and shall specifically state full particulars of the Force Majeure, the time and date when the Force Majeure occurred and when the Force Majeure is reasonably expected to cease. The Party affected shall exercise due diligence to remove such disability with reasonable dispatch, but shall not be required to accede or agree to any provision not satisfactory to it in order to settle and terminate a strike or other labor disturbance.

## **ARTICLE 17. DEFAULT**

### **17.1 General.**

No Breach shall exist where such failure to discharge an obligation (other than the payment of money) is the result of Force Majeure as defined in this Agreement or the result of an act or omission of the other Parties. Upon a Breach, the non-Breaching Parties shall give written notice of such to the Breaching Party. The Breaching Party shall have thirty (30) Calendar Days from receipt of the Breach notice within which to cure such Breach; provided however, if such Breach is not capable of cure within thirty (30) Calendar Days, the Breaching Party shall commence such cure within thirty (30) Calendar Days after notice and continuously and diligently complete such cure within ninety (90) Calendar Days from receipt of the Breach notice; and, if cured within such time, the Breach specified in such notice shall cease to exist.

### **17.2 Right to Terminate.**

If a Breach is not cured as provided in this Article 17, or if a Breach is not capable of being cured within the period provided for herein, the non-Breaching Parties acting together shall thereafter have the right to declare a Default and terminate this Agreement by written notice at any time until cure occurs, and be relieved of any further obligation hereunder and, whether or not those Parties terminate this Agreement, to recover from the defaulting Party all amounts due hereunder, plus all other damages and remedies to which they are entitled at law or in equity. The provisions of this Article will survive termination of this Agreement.

## **ARTICLE 18. INDEMNITY, CONSEQUENTIAL DAMAGES AND INSURANCE**

### **18.1 Indemnity.**

Each Party (the “Indemnifying Party”) shall at all times indemnify, defend, and save harmless, as applicable, the other Parties (each an “Indemnified Party”) from, any and all

damages, losses, claims, including claims and actions relating to injury to or death of any person or damage to property, the alleged violation of any Environmental Law, or the release or threatened release of any Hazardous Substance, demand, suits, recoveries, costs and expenses,

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court costs, attorney fees, and all other obligations by or to third parties (any and all of these a “Loss”), arising out of or resulting from (i) the Indemnified Party’s performance of its obligations under this Agreement on behalf of the Indemnifying Party, except in cases where the Indemnifying Party can demonstrate that the Loss of the Indemnified Party was caused by the gross negligence or intentional wrongdoing of the Indemnified Party or (ii) the violation by the Indemnifying Party of any Environmental Law or the release by the Indemnifying Party of any Hazardous Substance.

### **18.1.1 Indemnified Party.**

If a Party is entitled to indemnification under this Article 18 as a result of a claim by a third party, and the Indemnifying Party fails, after notice and reasonable opportunity to proceed under Article 18.1.3, to assume the defense of such claim, such Indemnified Party may at the expense of the Indemnifying Party contest, settle or consent to the entry of any judgment with respect to, or pay in full, such claim.

### **18.1.2 Indemnifying Party.**

If an Indemnifying Party is obligated to indemnify and hold any Indemnified Party harmless under this Article 18, the amount owing to the Indemnified Party shall be the amount of such Indemnified Party’s actual Loss, net of any insurance or other recovery.

### **18.1.3 Indemnity Procedures.**

Promptly after receipt by an Indemnified Party of any claim or notice of the commencement of any action or administrative or legal proceeding or investigation as to which the indemnity provided for in Article 18.1 may apply, the Indemnified Party shall notify the Indemnifying Party of such fact. Any failure of or delay in such notification shall not affect a Party’s indemnification obligation unless such failure or delay is materially prejudicial to the Indemnifying Party.

Except as stated below, the Indemnifying Party shall have the right to assume the defense thereof with counsel designated by such Indemnifying Party and reasonably satisfactory to the Indemnified Party. If the defendants in any such action include one or more Indemnified Parties and the Indemnifying Party and if the Indemnified Party reasonably concludes that there may be legal defenses available to it and/or other Indemnified Parties which are different from or additional to those available to the Indemnifying Party, the Indemnified Party shall have the right to select separate counsel to assert such legal defenses and to otherwise participate in the defense of such action on its own behalf. In such instances, the Indemnifying Party shall only be required to pay the fees and expenses of one additional attorney to represent an Indemnified Party or Indemnified Parties having such differing or additional legal defenses.

The Indemnified Party shall be entitled, at its expense, to participate in any such action, suit or proceeding, the defense of which has been assumed by the Indemnifying Party.

Notwithstanding the foregoing, the Indemnifying Party (i) shall not be entitled to assume and control the defense of any such action, suit or proceedings if and to the extent that, in the opinion



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of the Indemnified Party and its counsel, such action, suit or proceeding involves the potential imposition of criminal liability on the Indemnified Party, or there exists a conflict or adversity of interest between the Indemnified Party and the Indemnifying Party, in such event the Indemnifying Party shall pay the reasonable expenses of the Indemnified Party, and (ii) shall not settle or consent to the entry of any judgment in any action, suit or proceeding without the consent of the Indemnified Party, which shall not be unreasonably withheld, conditioned or delayed.

### **18.2 No Consequential Damages.**

Other than the liquidated damages heretofore described and the indemnity obligations set forth in Article 18.1, in no event shall any Party be liable under any provision of this Agreement for any losses, damages, costs or expenses for any special, indirect, incidental, consequential, or punitive damages, including but not limited to loss of profit or revenue, loss of the use of equipment, cost of capital, cost of temporary equipment or services, whether based in whole or in part in contract, in tort, including negligence, strict liability, or any other theory of liability; provided, however, that damages for which a Party may be liable to another Party under separate agreement will not be considered to be special, indirect, incidental, or consequential damages hereunder.

### **18.3 Insurance.**

Developer and Connecting Transmission Owner shall each, at its own expense, procure and maintain in force throughout the period of this Agreement and until released by the other Parties, the following minimum insurance coverages, with insurance companies licensed to write insurance or approved eligible surplus lines carriers in the state of New York with a minimum A.M. Best rating of A or better for financial strength, and an A.M. Best financial size category of VIII or better:

**18.3.1** Employers' Liability and Workers' Compensation Insurance providing statutory benefits in accordance with the laws and regulations of New York State.

**18.3.2** Commercial General Liability ("CGL") Insurance including premises and operations, personal injury, broad form property damage, broad form blanket contractual liability coverage products and completed operations coverage, coverage for explosion, collapse and underground hazards, independent contractors coverage, coverage for pollution to the extent normally available and punitive damages to the extent normally available using Insurance Services Office, Inc. Commercial General Liability Coverage ("ISO CG") Form CG 00 01 04 13 or a form equivalent to or better than CG 00 01 04 13, with minimum limits of Two Million Dollars (\$2,000,000) per occurrence and Two Million Dollars (\$2,000,000) aggregate combined single limit for personal injury, bodily injury, including death and property damage.

**18.3.3** Comprehensive Automobile Liability Insurance for coverage of owned

and non-owned and hired vehicles, trailers or semi-trailers designed for travel on public roads, with a minimum, combined single limit of One Million Dollars (\$1,000,000) per occurrence for bodily injury, including death, and property damage.

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**18.3.4** If applicable, the Commercial General Liability and Comprehensive Automobile Liability Insurance policies should include contractual liability for work in connection with construction or demolition work on or within 50 feet of a railroad, or a separate Railroad Protective Liability Policy should be provided.

**18.3.5** Excess Liability Insurance over and above the Employers' Liability, Commercial General Liability and Comprehensive Automobile Liability Insurance coverages, with a minimum combined single limit of Twenty Million Dollars (\$20,000,000) per occurrence and Twenty Million Dollars (\$20,000,000) aggregate. The Excess policies should contain the same extensions listed under the Primary policies.

**18.3.6** The Commercial General Liability Insurance, Comprehensive Automobile Insurance and Excess Liability Insurance policies of Developer and Connecting Transmission Owner shall name the other Party, its parent, associated and Affiliate companies and their respective directors, officers, agents, servants and employees ("Other Party Group") as additional insureds using ISO CG Endorsements: CG 20 33 04 13, and CG 20 37 04 13 or CG 20 10 04 13 and CG 20 37 04 13 or equivalent to or better forms. All policies shall contain provisions whereby the insurers waive all rights of subrogation in accordance with the provisions of this Agreement against the Other Party Group and provide thirty (30) Calendar days advance written notice to the Other Party Group prior to anniversary date of cancellation or any material change in coverage or condition.

**18.3.7** The Commercial General Liability Insurance, Comprehensive Automobile Liability Insurance and Excess Liability Insurance policies shall contain provisions that specify that the policies are primary and non-contributory. Developer and Connecting Transmission Owner shall each be responsible for its respective deductibles or retentions.

**18.3.8** The Commercial General Liability Insurance, Comprehensive Automobile Liability Insurance and Excess Liability Insurance policies, if written on a Claims First Made Basis, shall be maintained in full force and effect for at least three (3) years after termination of this Agreement, which coverage may be in the form of tail coverage or extended reporting period coverage if agreed by the Developer and Connecting Transmission Owner.

**18.3.9** If applicable, Pollution Liability Insurance in an amount no less than \$7,500,000 per occurrence and \$7,500,000 in the aggregate. The policy will provide coverage for claims resulting from pollution or other environmental impairment arising out of or in connection with work performed on the premises by the other party, its contractors and and/or subcontractors. Such insurance is to include coverage for, but not be limited to, cleanup, third party bodily injury and property damage and remediation and will be written on an occurrence basis. The policy shall name the Other Party Group as additional insureds, be primary and contain a waiver of subrogation.

**18.3.10** The requirements contained herein as to the types and limits of all insurance to be maintained by the Developer and Connecting Transmission Owner are not



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intended to and shall not in any manner, limit or qualify the liabilities and obligations assumed by those Parties under this Agreement.

**18.3.11** Within ninety (90) days following execution of this Agreement, and as soon as practicable after the end of each fiscal year or at the renewal of the insurance policy and in any event within ninety (90) days thereafter, Developer and Connecting Transmission Owner shall provide certificate of insurance for all insurance required in this Agreement, executed by each insurer or by an authorized representative of each insurer.

**18.3.12** Notwithstanding the foregoing, Developer and Connecting Transmission Owner may each self-insure to meet the minimum insurance requirements of Articles 18.3.1 through 18.3.9 to the extent it maintains a self-insurance program; provided that, such Party's senior debt is rated at investment grade, or better, by Standard & Poor's and that its self-insurance program meets the minimum insurance requirements of Articles 18.3.1 through 18.3.9. In the event that a Party is permitted to self-insure pursuant to this Article 18.3.12, it shall notify the other Party that it meets the requirements to self-insure and that its self-insurance program meets the minimum insurance requirements in a manner consistent with that specified in Articles 18.3.1 through 18.3.9 and provide evidence of such coverages. For any period of time that a Party's senior debt is unrated by Standard & Poor's or is rated at less than investment grade by Standard & Poor's, such Party shall comply with the insurance requirements applicable to it under Articles 18.3.1 through 18.3.9.

**18.3.13** Developer and Connecting Transmission Owner agree to report to each other in writing as soon as practical all accidents or occurrences resulting in injuries to any person, including death, and any property damage arising out of this Agreement.

**18.3.14** Subcontractors of each party must maintain the same insurance requirements stated under Articles 18.3.1 through 18.3.9 and comply with the Additional Insured requirements herein. In addition, their policies must state that they are primary and non-contributory and contain a waiver of subrogation.

## **ARTICLE 19. ASSIGNMENT**

This Agreement may be assigned by a Party only with the written consent of the other Parties; provided that a Party may assign this Agreement without the consent of the other Parties to any Affiliate of the assigning Party with an equal or greater credit rating and with the legal authority and operational ability to satisfy the obligations of the assigning Party under this Agreement; provided further that a Party may assign this Agreement without the consent of the other Parties in connection with the sale, merger, restructuring, or transfer of a substantial portion or all of its assets, including the Attachment Facilities it owns, so long as the assignee in such a transaction directly assumes in writing all rights, duties and obligations arising under this Agreement; and provided further that the Developer shall have the right to assign this Agreement, without the consent of the NYISO or Connecting Transmission Owner, for collateral security purposes to aid in providing financing for the Merchant Transmission Facility, provided that the Developer will promptly notify the NYISO and Connecting Transmission Owner of any

such assignment. Any financing arrangement entered into by the Developer pursuant to this Article will provide that prior to or upon the exercise of the secured party's, trustee's or

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mortgagee's assignment rights pursuant to said arrangement, the secured creditor, the trustee or mortgagee will notify the NYISO and Connecting Transmission Owner of the date and particulars of any such exercise of assignment right(s) and will provide the NYISO and Connecting Transmission Owner with proof that it meets the requirements of Articles 11.5 and 18.3. Any attempted assignment that violates this Article is void and ineffective. Any assignment under this Agreement shall not relieve a Party of its obligations, nor shall a Party's obligations be enlarged, in whole or in part, by reason thereof. Where required, consent to assignment will not be unreasonably withheld, conditioned or delayed.

### **ARTICLE 20. SEVERABILITY**

If any provision in this Agreement is finally determined to be invalid, void or unenforceable by any court or other Governmental Authority having jurisdiction, such determination shall not invalidate, void or make unenforceable any other provision, agreement or covenant of this Agreement; provided that if the Developer (or any third party, but only if such third party is not acting at the direction of the Connecting Transmission Owner) seeks and obtains such a final determination with respect to any provision of the Alternate Option (Article 5.1.2), or the Negotiated Option (Article 5.1.4), then none of these provisions shall thereafter have any force or effect and the rights and obligations of Developer and Connecting Transmission Owner shall be governed solely by the Standard Option (Article 5.1.1).

### **ARTICLE 21. COMPARABILITY**

The Parties will comply with all applicable comparability and code of conduct laws, rules and regulations, as amended from time to time.

### **ARTICLE 22. CONFIDENTIALITY**

#### **22.1 Confidentiality.**

Certain information exchanged by the Parties during the term of this Agreement shall constitute confidential information ("Confidential Information") and shall be subject to this Article 22.

If requested by a Party receiving information, the Party supplying the information shall provide in writing, the basis for asserting that the information referred to in this Article warrants confidential treatment, and the requesting Party may disclose such writing to the appropriate Governmental Authority. Each Party shall be responsible for the costs associated with affording confidential treatment to its information.

#### **22.2 Term.**

During the term of this Agreement, and for a period of three (3) years after the expiration or termination of this Agreement, except as otherwise provided in this Article 22, each Party shall hold in confidence and shall not disclose to any person Confidential Information.





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### **22.3 Confidential Information.**

The following shall constitute Confidential Information: (1) any non-public information that is treated as confidential by the disclosing Party and which the disclosing Party identifies as Confidential Information in writing at the time, or promptly after the time, of disclosure; or (2) information designated as Confidential Information by the NYISO Code of Conduct contained in Attachment F to the ISO OATT.

### **22.4 Scope.**

Confidential Information shall not include information that the receiving Party can demonstrate: (1) is generally available to the public other than as a result of a disclosure by the receiving Party; (2) was in the lawful possession of the receiving Party on a non-confidential basis before receiving it from the disclosing Party; (3) was supplied to the receiving Party without restriction by a third party, who, to the knowledge of the receiving Party after due inquiry, was under no obligation to the disclosing Party to keep such information confidential; (4) was independently developed by the receiving Party without reference to Confidential Information of the disclosing Party; (5) is, or becomes, publicly known, through no wrongful act or omission of the receiving Party or Breach of this Agreement; or (6) is required, in accordance with Article 22.9 of this Agreement, Order of Disclosure, to be disclosed by any Governmental Authority or is otherwise required to be disclosed by law or subpoena, or is necessary in any legal proceeding establishing rights and obligations under this Agreement. Information designated as Confidential Information will no longer be deemed confidential if the Party that designated the information as confidential notifies the other Party that it no longer is confidential.

### **22.5 Release of Confidential Information.**

No Party shall release or disclose Confidential Information to any other person, except to its Affiliates (limited by FERC Standards of Conduct requirements), subcontractors, employees, consultants, or to parties who may be considering providing financing to or equity participation with Developer, or to potential purchasers or assignees of a Party, on a need-to-know basis in connection with this Agreement, unless such person has first been advised of the confidentiality provisions of this Article 22 and has agreed to comply with such provisions. Notwithstanding the foregoing, a Party providing Confidential Information to any person shall remain primarily responsible for any release of Confidential Information in contravention of this Article 22.

### **22.6 Rights.**

Each Party retains all rights, title, and interest in the Confidential Information that each Party discloses to the other Party. The disclosure by each Party to the other Parties of Confidential Information shall not be deemed a waiver by any Party or any other person or entity of the right to protect the Confidential Information from public disclosure.

### **22.7 No Warranties.**

By providing Confidential Information, no Party makes any warranties or representations as to its accuracy or completeness. In addition, by supplying Confidential Information, no Party

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obligates itself to provide any particular information or Confidential Information to the other Parties nor to enter into any further agreements or proceed with any other relationship or joint venture.

### **22.8 Standard of Care.**

Each Party shall use at least the same standard of care to protect Confidential Information it receives as it uses to protect its own Confidential Information from unauthorized disclosure, publication or dissemination. Each Party may use Confidential Information solely to fulfill its obligations to the other Parties under this Agreement or its regulatory requirements, including the ISO OATT and NYISO Services Tariff. The NYISO shall, in all cases, treat the information it receives in accordance with the requirements of Attachment F to the ISO OATT.

### **22.9 Order of Disclosure.**

If a court or a Government Authority or entity with the right, power, and apparent authority to do so requests or requires any Party, by subpoena, oral deposition, interrogatories, requests for production of documents, administrative order, or otherwise, to disclose Confidential Information, that Party shall provide the other Parties with prompt notice of such request(s) or requirement(s) so that the other Parties may seek an appropriate protective order or waive compliance with the terms of this Agreement. Notwithstanding the absence of a protective order or waiver, the Party may disclose such Confidential Information which, in the opinion of its counsel, the Party is legally compelled to disclose. Each Party will use Reasonable Efforts to obtain reliable assurance that confidential treatment will be accorded any Confidential Information so furnished.

### **22.10 Termination of Agreement.**

Upon termination of this Agreement for any reason, each Party shall, within ten (10) Calendar Days of receipt of a written request from the other Parties, use Reasonable Efforts to destroy, erase, or delete (with such destruction, erasure, and deletion certified in writing to the other Parties) or return to the other Parties, without retaining copies thereof, any and all written or electronic Confidential Information received from the other Parties pursuant to this Agreement.

### **22.11 Remedies.**

The Parties agree that monetary damages would be inadequate to compensate a Party for another Party's Breach of its obligations under this Article 22. Each Party accordingly agrees that the other Parties shall be entitled to equitable relief, by way of injunction or otherwise, if the first Party Breaches or threatens to Breach its obligations under this Article 22, which equitable relief shall be granted without bond or proof of damages, and the receiving Party shall not plead in defense that there would be an adequate remedy at law. Such remedy shall not be deemed an exclusive remedy for the Breach of this Article 22, but shall be in addition to all other remedies available at law or in equity. The Parties further acknowledge and agree that the covenants contained herein are necessary for the protection of legitimate business interests and are

reasonable in scope. No Party, however, shall be liable for indirect, incidental, or consequential

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or punitive damages of any nature or kind resulting from or arising in connection with this Article 22.

### **22.12 Disclosure to FERC, its Staff, or a State.**

Notwithstanding anything in this Article 22 to the contrary, and pursuant to 18 C.F.R. section 1b.20, if FERC or its staff, during the course of an investigation or otherwise, requests information from one of the Parties that is otherwise required to be maintained in confidence pursuant to this Agreement or the ISO OATT, the Party shall provide the requested information to FERC or its staff, within the time provided for in the request for information. In providing the information to FERC or its staff, the Party must, consistent with 18 C.F.R. section 388.112, request that the information be treated as confidential and non-public by FERC and its staff and that the information be withheld from public disclosure. Parties are prohibited from notifying the other Parties to this Agreement prior to the release of the Confidential Information to the Commission or its staff. The Party shall notify the other Parties to the Agreement when it is notified by FERC or its staff that a request to release Confidential Information has been received by FERC, at which time the Parties may respond before such information would be made public, pursuant to 18 C.F.R. section 388.112. Requests from a state regulatory body conducting a confidential investigation shall be treated in a similar manner if consistent with the applicable state rules and regulations. A Party shall not be liable for any losses, consequential or otherwise, resulting from that Party divulging Confidential Information pursuant to a FERC or state regulatory body request under this paragraph.

### **22.13 Required Notices Upon Requests or Demands for Confidential Information**

Except as otherwise expressly provided herein, no Party shall disclose Confidential Information to any person not employed or retained by the Party possessing the Confidential Information, except to the extent disclosure is (i) required by law; (ii) reasonably deemed by the disclosing Party to be required to be disclosed in connection with a dispute between or among the Parties, or the defense of litigation or dispute; (iii) otherwise permitted by consent of the other Party, such consent not to be unreasonably withheld; or (iv) necessary to fulfill its obligations under this Agreement, the ISO OATT or the NYISO Services Tariff. Prior to any disclosures of a Party's Confidential Information under this subparagraph, or if any third party or Governmental Authority makes any request or demand for any of the information described in this subparagraph, the disclosing Party agrees to promptly notify the other Party in writing and agrees to assert confidentiality and cooperate with the other Party in seeking to protect the Confidential Information from public disclosure by confidentiality agreement, protective order or other reasonable measures.

## **ARTICLE 23. DEVELOPER AND CONNECTING TRANSMISSION OWNER NOTICES OF ENVIRONMENTAL RELEASES**

Developer and Connecting Transmission Owner shall each notify the other Party, first orally and then in writing, of the release of any Hazardous Substances, any asbestos or lead abatement activities, or any type of remediation activities related to the Merchant Transmission

Facility or the Attachment Facilities, each of which may reasonably be expected to affect the other Party. The notifying Party shall: (i) provide the notice as soon as practicable, provided

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such Party makes a good faith effort to provide the notice no later than twenty-four hours after such Party becomes aware of the occurrence; and (ii) promptly furnish to the other Party copies of any publicly available reports filed with any Governmental Authorities addressing such events.

### **ARTICLE 24. INFORMATION REQUIREMENT**

#### **24.1 Information Acquisition.**

Connecting Transmission Owner and Developer shall each submit specific information regarding the electrical characteristics of their respective facilities to the other, and to NYISO, as described below and in accordance with Applicable Reliability Standards.

#### **24.2 Information Submission by Connecting Transmission Owner.**

The initial information submission by Connecting Transmission Owner shall occur no later than one hundred eighty (180) Calendar Days prior to Trial Operation and shall include New York State Transmission System information necessary to allow the Developer to select equipment and meet any system protection and stability requirements, unless otherwise mutually agreed to by the Developer and Connecting Transmission Owner. On a monthly basis Connecting Transmission Owner shall provide Developer and NYISO a status report on the construction and installation of Connecting Transmission Owner's Attachment Facilities and System Upgrade Facilities and System Deliverability Upgrades, including, but not limited to, the following information: (1) progress to date; (2) a description of the activities since the last report; (3) a description of the action items for the next period; and (4) the delivery status of equipment ordered.

#### **24.3 Updated Information Submission by Developer.**

The updated information submission by the Developer, including manufacturer information, shall occur no later than one hundred eighty (180) Calendar Days prior to the Trial Operation. Developer shall submit a completed copy of the Merchant Transmission Facility data requirements contained in Appendix 1 to the Standard Large Facility Interconnection Procedures. It shall also include any additional information provided to Connecting Transmission Owner for the Interconnection Facilities Study. Information in this submission shall be the most current Merchant Transmission Facility design or expected performance data. Information submitted for stability models shall be compatible with NYISO standard models. If there is no compatible model, the Developer will work with a consultant mutually agreed to by the Parties to develop and supply a standard model and associated information.

If the Developer's data is different from what was originally provided to Connecting Transmission Owner and NYISO pursuant to an Interconnection Study Agreement among Connecting Transmission Owner, NYISO and Developer and this difference may be reasonably expected to affect the other Parties' facilities or the New York State Transmission System, but does not require the submission of a new Interconnection Request, then NYISO will conduct

appropriate studies to determine the impact on the New York State Transmission System based on the actual data submitted pursuant to this Article 24.3. Such studies will provide an estimate



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of any additional modifications to the New York State Transmission System, Connecting Transmission Owner's Attachment Facilities or System Upgrade Facilities or System Deliverability Upgrades based on the actual data and a good faith estimate of the costs thereof. The Developer shall not begin Trial Operation until such studies are completed. The Developer shall be responsible for the cost of any modifications required by the actual data, including the cost of any required studies.

### **24.4 Information Supplementation.**

Prior to the Commercial Operation Date, the Developer and Connecting Transmission Owner shall supplement their information submissions described above in this Article 24 with any and all "as-built" Merchant Transmission Facility information or "as-tested" performance information that differs from the initial submissions or, alternatively, written confirmation that no such differences exist. The Developer shall conduct tests on the Merchant Transmission Facility as required by Good Utility Practice. Developer shall provide the Connecting Transmission Owner and NYISO validated test recordings showing the responses of the Merchant Transmission Facility.

Subsequent to the Commercial Operation Date, the Developer shall provide Connecting Transmission Owner and NYISO any information changes due to equipment replacement, repair, or adjustment. Connecting Transmission Owner shall provide the Developer and NYISO any information changes due to equipment replacement, repair or adjustment in the directly connected substation or any adjacent Connecting Transmission Owner substation that may affect the Merchant Transmission Facility or Developer Attachment Facilities equipment ratings, protection or operating requirements. The Developer and Connecting Transmission Owner shall provide such information no later than thirty (30) Calendar Days after the date of the equipment replacement, repair or adjustment.

## **ARTICLE 25. INFORMATION ACCESS AND AUDIT RIGHTS**

### **25.1 Information Access.**

Each Party ("Disclosing Party") shall make available to another Party ("Requesting Party") information that is in the possession of the Disclosing Party and is necessary in order for the Requesting Party to: (i) verify the costs incurred by the Disclosing Party for which the Requesting Party is responsible under this Agreement; and (ii) carry out its obligations and responsibilities under this Agreement. The Parties shall not use such information for purposes other than those set forth in this Article 25.1 of this Agreement and to enforce their rights under this Agreement.

### **25.2 Reporting of Non-Force Majeure Events.**

Each Party (the "Notifying Party") shall notify the other Parties when the Notifying Party becomes aware of its inability to comply with the provisions of this Agreement for a reason other than a Force Majeure event. The Parties agree to cooperate with each other and provide

necessary information regarding such inability to comply, including the date, duration, reason for the inability to comply, and corrective actions taken or planned to be taken with respect to such

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inability to comply. Notwithstanding the foregoing, notification, cooperation or information provided under this Article shall not entitle the Party receiving such notification to allege a cause for anticipatory breach of this Agreement.

### **25.3 Audit Rights.**

Subject to the requirements of confidentiality under Article 22 of this Agreement, each Party shall have the right, during normal business hours, and upon prior reasonable notice to another Party, to audit at its own expense the other Party's accounts and records pertaining to the other Party's performance or satisfaction of its obligations under this Agreement. Such audit rights shall include audits of the other Party's costs, calculation of invoiced amounts, and each Party's actions in an Emergency State. Any audit authorized by this Article shall be performed at the offices where such accounts and records are maintained and shall be limited to those portions of such accounts and records that relate to the Party's performance and satisfaction of obligations under this Agreement. Each Party shall keep such accounts and records for a period equivalent to the audit rights periods described in Article 25.4 of this Agreement.

### **25.4 Audit Rights Periods.**

#### **25.4.1 Audit Rights Period for Construction-Related Accounts and Records.**

Accounts and records related to the design, engineering, procurement, and construction of Connecting Transmission Owner's Attachment Facilities and System Upgrade Facilities and System Deliverability Upgrades shall be subject to audit for a period of twenty-four months following Connecting Transmission Owner's issuance of a final invoice in accordance with Article 12.2 of this Agreement.

#### **25.4.2 Audit Rights Period for All Other Accounts and Records.**

Accounts and records related to a Party's performance or satisfaction of its obligations under this Agreement other than those described in Article 25.4.1 of this Agreement shall be subject to audit as follows: (i) for an audit relating to cost obligations, the applicable audit rights period shall be twenty-four months after the auditing Party's receipt of an invoice giving rise to such cost obligations; and (ii) for an audit relating to all other obligations, the applicable audit rights period shall be twenty-four months after the event for which the audit is sought.

### **25.5 Audit Results.**

If an audit by a Party determines that an overpayment or an underpayment has occurred, a notice of such overpayment or underpayment shall be given to the other Party together with those records from the audit which support such determination.

## **ARTICLE 26. SUBCONTRACTORS**

### **26.1 General.**

Nothing in this Agreement shall prevent a Party from utilizing the services of any subcontractor as it deems appropriate to perform its obligations under this Agreement; provided,

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however, that each Party shall require its subcontractors to comply with all applicable terms and conditions of this Agreement in providing such services and each Party shall remain primarily liable to the other Parties for the performance of such subcontractor.

### **26.2 Responsibility of Principal.**

The creation of any subcontract relationship shall not relieve the hiring Party of any of its obligations under this Agreement. The hiring Party shall be fully responsible to the other Parties for the acts or omissions of any subcontractor the hiring Party hires as if no subcontract had been made; provided, however, that in no event shall the NYISO or Connecting Transmission Owner be liable for the actions or inactions of the Developer or its subcontractors with respect to obligations of the Developer under Article 5 of this Agreement. Any applicable obligation imposed by this Agreement upon the hiring Party shall be equally binding upon, and shall be construed as having application to, any subcontractor of such Party.

### **26.3 No Limitation by Insurance.**

The obligations under this Article 26 will not be limited in any way by any limitation of subcontractor's insurance.

## **ARTICLE 27. DISPUTES**

### **27.1 Submission.**

In the event any Party has a dispute, or asserts a claim, that arises out of or in connection with this Agreement or its performance (a "Dispute"), such Party shall provide the other Parties with written notice of the Dispute ("Notice of Dispute"). Such Dispute shall be referred to a designated senior representative of each Party for resolution on an informal basis as promptly as practicable after receipt of the Notice of Dispute by the other Parties. In the event the designated representatives are unable to resolve the Dispute through unassisted or assisted negotiations within thirty (30) Calendar Days of the other Parties' receipt of the Notice of Dispute, such Dispute may, upon mutual agreement of the Parties, be submitted to arbitration and resolved in accordance with the arbitration procedures set forth below. In the event the Parties do not agree to submit such Dispute to arbitration, each Party may exercise whatever rights and remedies it may have in equity or at law consistent with the terms of this Agreement.

### **27.2 External Arbitration Procedures.**

Any arbitration initiated under this Agreement shall be conducted before a single neutral arbitrator appointed by the Parties. If the Parties fail to agree upon a single arbitrator within ten (10) Calendar Days of the submission of the Dispute to arbitration, each Party shall choose one arbitrator who shall sit on a three-member arbitration panel. In each case, the arbitrator(s) shall be knowledgeable in electric utility matters, including electric transmission and bulk power issues, and shall not have any current or past substantial business or financial relationships with any party to the arbitration (except prior arbitration). The arbitrator(s) shall provide each of the Parties an opportunity to be heard and, except as otherwise provided herein, shall conduct the

arbitration in accordance with the Commercial Arbitration Rules of the American Arbitration Association (“Arbitration Rules”) and any applicable FERC regulations or RTO rules; provided,

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however, in the event of a conflict between the Arbitration Rules and the terms of this Article 27, the terms of this Article 27 shall prevail.

### **27.3 Arbitration Decisions.**

Unless otherwise agreed by the Parties, the arbitrator(s) shall render a decision within ninety (90) Calendar Days of appointment and shall notify the Parties in writing of such decision and the reasons therefor. The arbitrator(s) shall be authorized only to interpret and apply the provisions of this Agreement and shall have no power to modify or change any provision of this Agreement in any manner. The decision of the arbitrator(s) shall be final and binding upon the Parties, and judgment on the award may be entered in any court having jurisdiction. The decision of the arbitrator(s) may be appealed solely on the grounds that the conduct of the arbitrator(s), or the decision itself, violated the standards set forth in the Federal Arbitration Act or the Administrative Dispute Resolution Act. The final decision of the arbitrator must also be filed with FERC if it affects jurisdictional rates, terms and conditions of service, Attachment Facilities, System Upgrade Facilities, or System Deliverability Upgrades.

### **27.4 Costs.**

Each Party shall be responsible for its own costs incurred during the arbitration process and for the following costs, if applicable: (1) the cost of the arbitrator chosen by the Party to sit on the three member panel; or (2) one-third the cost of the single arbitrator jointly chosen by the Parties.

### **27.5 Termination.**

Notwithstanding the provisions of this Article 27, any Party may terminate this Agreement in accordance with its provisions or pursuant to an action at law or equity. The issue of whether such a termination is proper shall not be considered a Dispute hereunder.

## **ARTICLE 28. REPRESENTATIONS, WARRANTIES AND COVENANTS**

### **28.1 General.**

Each Party makes the following representations, warranties and covenants:

#### **28.1.1 Good Standing.**

Such Party is duly organized, validly existing and in good standing under the laws of the state in which it is organized, formed, or incorporated, as applicable; that it is qualified to do business in the state or states in which the Merchant Transmission Facility, Attachment Facilities and System Upgrade Facilities and System Deliverability Upgrades owned by such Party, as applicable, are located; and that it has the corporate power and authority to own its properties, to carry on its business as now being conducted and to enter into this Agreement and carry out the transactions contemplated hereby and perform and carry out all covenants and obligations on its part to be performed under and pursuant to this Agreement.





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### **28.1.2 Authority.**

Such Party has the right, power and authority to enter into this Agreement, to become a Party hereto and to perform its obligations hereunder. This Agreement is a legal, valid and binding obligation of such Party, enforceable against such Party in accordance with its terms, except as the enforceability thereof may be limited by applicable bankruptcy, insolvency, reorganization or other similar laws affecting creditors' rights generally and by general equitable principles (regardless of whether enforceability is sought in a proceeding in equity or at law).

### **28.1.3 No Conflict.**

The execution, delivery and performance of this Agreement does not violate or conflict with the organizational or formation documents, or bylaws or operating agreement, of such Party, or any judgment, license, permit, order, material agreement or instrument applicable to or binding upon such Party or any of its assets.

### **28.1.4 Consent and Approval.**

Such Party has sought or obtained, or, in accordance with this Agreement will seek or obtain, each consent, approval, authorization, order, or acceptance by any Governmental Authority in connection with the execution, delivery and performance of this Agreement, and it will provide to any Governmental Authority notice of any actions under this Agreement that are required by Applicable Laws and Regulations.

## **ARTICLE 29. MISCELLANEOUS**

### **29.1 Binding Effect.**

This Agreement and the rights and obligations hereof, shall be binding upon and shall inure to the benefit of the successors and permitted assigns of the Parties hereto.

### **29.2 Conflicts.**

If there is a discrepancy or conflict between or among the terms and conditions of this cover agreement and the Appendices hereto, the terms and conditions of this cover agreement shall be given precedence over the Appendices, except as otherwise expressly agreed to in writing by the Parties.

### **29.3 Rules of Interpretation.**

This Agreement, unless a clear contrary intention appears, shall be construed and interpreted as follows: (1) the singular number includes the plural number and vice versa; (2) reference to any person includes such person's successors and assigns but, in the case of a Party, only if such successors and assigns are permitted by this Agreement, and reference to a person in a particular capacity excludes such person in any other capacity or individually; (3) reference to

any agreement (including this Agreement), document, instrument or tariff means such agreement, document, instrument, or tariff as amended or modified and in effect from time to

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time in accordance with the terms thereof and, if applicable, the terms hereof; (4) reference to any Applicable Laws and Regulations means such Applicable Laws and Regulations as amended, modified, codified, or reenacted, in whole or in part, and in effect from time to time, including, if applicable, rules and regulations promulgated thereunder; (5) unless expressly stated otherwise, reference to any Article, Section or Appendix means such Article of this Agreement or such Appendix to this Agreement, or such Section to the Standard Large Facility Interconnection Procedures or such Appendix to the Standard Large Facility Interconnection Procedures, as the case may be; (6) “hereunder”, “hereof”, “herein”, “hereto” and words of similar import shall be deemed references to this Agreement as a whole and not to any particular Article or other provision hereof or thereof; (7) “including” (and with correlative meaning “include”) means including without limiting the generality of any description preceding such term; and (8) relative to the determination of any period of time, “from” means “from and including”, “to” means “to but excluding” and “through” means “through and including”.

### **29.4 Compliance.**

Each Party shall perform its obligations under this Agreement in accordance with Applicable Laws and Regulations, Applicable Reliability Standards, the ISO OATT and Good Utility Practice. To the extent a Party is required or prevented or limited in taking any action by such regulations and standards, such Party shall not be deemed to be in Breach of this Agreement for its compliance therewith. When any Party becomes aware of such a situation, it shall notify the other Parties promptly so that the Parties can discuss the amendment to this Agreement that is appropriate under the circumstances.

### **29.5 Joint and Several Obligations.**

Except as otherwise stated herein, the obligations of NYISO, Developer and Connecting Transmission Owner are several, and are neither joint nor joint and several.

### **29.6 Entire Agreement.**

This Agreement, including all Appendices and Schedules attached hereto, constitutes the entire agreement between the Parties with reference to the subject matter hereof, and supersedes all prior and contemporaneous understandings or agreements, oral or written, between the Parties with respect to the subject matter of this Agreement. There are no other agreements, representations, warranties, or covenants which constitute any part of the consideration for, or any condition to, either Party’s compliance with its obligations under this Agreement.

### **29.7 No Third Party Beneficiaries.**

This Agreement is not intended to and does not create rights, remedies, or benefits of any character whatsoever in favor of any persons, corporations, associations, or entities other than the Parties, and the obligations herein assumed are solely for the use and benefit of the Parties, their successors in interest and permitted their assigns.



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### **29.8 Waiver.**

The failure of a Party to this Agreement to insist, on any occasion, upon strict performance of any provision of this Agreement will not be considered a waiver of any obligation, right, or duty of, or imposed upon, such Party. Any waiver at any time by either Party of its rights with respect to this Agreement shall not be deemed a continuing waiver or a waiver with respect to any other failure to comply with any other obligation, right, duty of this Agreement. Termination or Default of this Agreement for any reason by the Developer shall not constitute a waiver of the Developer's legal rights to obtain Capacity Resource Interconnection Service and Energy Resource Interconnection Service from the NYISO and Connecting Transmission Owner in accordance with the provisions of the ISO OATT. Any waiver of this Agreement shall, if requested, be provided in writing.

### **29.9 Headings.**

The descriptive headings of the various Articles of this Agreement have been inserted for convenience of reference only and are of no significance in the interpretation or construction of this Agreement.

### **29.10 Multiple Counterparts.**

This Agreement may be executed in two or more counterparts, each of which is deemed an original but all constitute one and the same instrument.

### **29.11 Amendment.**

The Parties may by mutual agreement amend this Agreement, by a written instrument duly executed by all three of the Parties.

### **29.12 Modification by the Parties.**

The Parties may by mutual agreement amend the Appendices to this Agreement, by a written instrument duly executed by all three of the Parties. Such an amendment shall become effective and a part of this Agreement upon satisfaction of all Applicable Laws and Regulations.

### **29.13 Reservation of Rights.**

NYISO and Connecting Transmission Owner shall have the right to make unilateral filings with FERC to modify this Agreement with respect to any rates, terms and conditions, charges, classifications of service, rule or regulation under section 205 or any other applicable provision of the Federal Power Act and FERC's rules and regulations thereunder, and Developer shall have the right to make a unilateral filing with FERC to modify this Agreement pursuant to section 206 or any other applicable provision of the Federal Power Act and FERC's rules and regulations thereunder; provided that each Party shall have the right to protest any such filing by another Party and to participate fully in any proceeding before FERC in which such

modifications may be considered. Nothing in this Agreement shall limit the rights of the Parties or of FERC under sections 205 or 206 of the Federal Power Act and FERC's rules and

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regulations thereunder, except to the extent that the Parties otherwise mutually agree as provided herein.

### **29.14 No Partnership.**

This Agreement shall not be interpreted or construed to create an association, joint venture, agency relationship, or partnership among the Parties or to impose any partnership obligation or partnership liability upon any Party. No Party shall have any right, power or authority to enter into any agreement or undertaking for, or act on behalf of, or to act as or be an agent or representative of, or to otherwise bind, any other Party.

### **29.15 Other Transmission Rights.**

Notwithstanding any other provision of this Agreement, nothing herein shall be construed as relinquishing or foreclosing any rights, including but not limited to firm transmission rights, capacity rights, or transmission congestion rights that the Developer shall be entitled to, now or in the future under any other agreement or tariff as a result of, or otherwise associated with, the transmission capacity, if any, created by the System Upgrade Facilities and System Deliverability Upgrades.





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**IN WITNESS WHEREOF**, the Parties have executed this Agreement in duplicate originals, each of which shall constitute and be an original effective Agreement between the Parties.

**New York Independent System Operator, Inc.**

By:

Name:

Title:

Date:

**New York Power Authority**

By:

Name:

Title:

Date:

**CHPE LLC**

By:

Name:

Title:

Date:



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### **APPENDICES**

#### **Appendix A**

Attachment Facilities and System Upgrade Facilities

#### **Appendix B**

Milestones

#### **Appendix C**

Interconnection Details

#### **Appendix D**

Security Arrangements Details

#### **Appendix E-1**

Initial Synchronization Date

#### **Appendix E-2**

Commercial Operation Date

#### **Appendix F**

Addresses for Delivery of Notices and Billings

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### APPENDIX A

#### ATTACHMENT FACILITIES AND SYSTEM UPGRADE FACILITIES

##### 1. Attachment Facilities

###### (a) Developer's Attachment Facilities ("DAF"):

The Developer's Attachment Facilities include all of the facilities between the Developer's side of the Point of Change of Ownership ("PCO") and the Merchant Transmission Facility. As depicted in Figure A-2 to this Appendix A, the DAF will be comprised of the following facilities:

- One (1) 345kV SF6 circuit breaker, 3000A, 63kA momentary, provided with 24 bushing current transformers ("CTs") (4 CTs on each bushing), 3000/5A multi-ratio ("MR"), 3 CT cores for protection, accuracy C800\*, 1 CT core for metering, accuracy 0.2B0.1-1.8\*, thermal rating factor ("TRF") = 2;
- One (1) set of 3 phase CTs for revenue metering, 3000/5A MR, revenue metering accuracy 0.15SB0.1-1.8\*, TRF = 2;
- One (1) set of 3 phase voltage transformers ("VTs") for revenue metering, 345kV/69-115V, 1 secondary winding, accuracy: 0.15ZZ\*, 1800/3000-1;
- One (1) 345kV motor operated disconnect switch and manual grounding switch (3phase) 3000A, 63kA momentary;
- Three (3) 345kV/69-115V capacitor voltage transformers ("CVTs") for relaying and metering, 3 secondary windings, accuracy: 0.3ZZ\*, 1800/3000-1;
- Three (3) 345kV surge arresters, station class, maximum continuously operating voltage ("MCOV") 289kV;
- Bus work, 3000A continuous, 1050kV BIL;
- Steel structure for gantry, equipment, and bus supports and for gas insulated switchgear ("GIS") transition at PCO;
- Foundations/piles;
- Grounding materials, below ground and above ground;
- Conduit and control cables;
- GIS miscellaneous equipment; and
- 345 kV lead line from the converter station to be located in Astoria, New York to the PCO, including:
  - Conductor, twin bundle conductor, 2x795 kcmil ACSR 26/7 "DRAKE";
  - Overhead shield wire ("OHSW"), 3/8" x 7 Strand extra high strength ("EHS") steel with spacers and dampers as required; and
  - Steel towers/poles and foundations.

###### (b) Connecting Transmission Owner's Attachment Facilities ("CTOAFs"):

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The Connecting Transmission Owner's Attachment Facilities include the facilities from the PCO and the Point of Interconnection ("POI"). The PCO and the POI are designated in Figure A-1 to this Appendix A. As depicted in Figure A-1, the CTOAFs include the following major electrical and physical equipment:

- One (1) set of three phase, 345 kV GIS VTs for relaying and metering, 3 secondary windings, accuracy: 0.3ZZ, 1800/3000:1;
  - One (1) set of three phase 345 kV GIS ring core current transformers (revenue metering) 1500/5A single ratio ("SR"), revenue meter accuracy 0.15S-B0.1-1.8, TRF=2;
  - Two (2) sets of three phrase 345 kV GIS ring core current transformers (relay) 3000/5A MR, relay accuracy C800, TRF=1.5;
  - One (1) 345 kV GIS motor operated disconnect switch and grounding switch (three phase) 3000A continuous, 63 kA momentary;
  - One (1) 345 kV GIS fast acting grounding switch (three phase); •
- 345 kV GIS Bus, 3000 A continuous rating, 1050 kV BIL;
- Steel structures for 345 kV gas insulated bus support per design and for GIS transition at PCO;
  - Foundations /piles;
  - Grounding materials, below grade and above grade;
  - Conduit and control cables; and
  - GIS miscellaneous equipment.

Pursuant to Article 5.1.3 of this Agreement, Developer has exercised its option to build the CTOAFs as detailed in Section 3 of this Appendix A.

The new Point of Interconnection ("POI") at the Astoria Annex 345 kV GIS Substation is within Zone J North with Connecting Transmission Owner as the metering authority. Consistent with Section 7.3 of this Agreement, metering equipment shall be in compliance with the NYISO Revenue Metering Requirements, the New York State Department of Public Service Approved Meter List dated 9/18/2018, and NERC FAC-001-3 (Facility Interconnection Requirements). Wound type Voltage Transformers are not approved for metering and dedicated metering accuracy. Current Transformers are required.

### **2. System Upgrade Facilities**

The Merchant Transmission Facility shall interconnect at the Connecting Transmission Owner's existing Astoria Annex 345 kV GIS Substation ("Astoria Annex Substation") between existing breakers 3 and 5.

#### **(a) Stand Alone System Upgrade Facilities**

None.

#### **(b) Other System Upgrade Facilities**

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The interconnection of the Merchant Transmission Facility requires the expansion of Connecting Transmission Owner's Astoria Annex Substation from a four (4) breaker ring bus configuration to an eight (8) breaker ring bus configuration.

Pursuant to Article 5.1.3, Developer may not exercise as a right the option to build the System Upgrade Facilities other than Stand Alone System Upgrade Facilities. However, Connecting Transmission Owner and Developer have agreed that Developer shall perform the design, procurement, and construction of the Other SUFs described in this Appendix A and that Developer perform this Other System Facilities work consistent with the requirements applicable to Stand-Alone SUFs in Article 5.2 of this Agreement.

### *i. Summary of Changes at the Astoria Annex Substation to Accommodate Merchant Transmission Facility*

As illustrated in Figure A-1, the Astoria Annex Substation currently provides the interface among:

- Connecting Transmission Owner's existing 345 kV feeders FDR Q35L and FDR Q35M, which connect to Con Edison's East 13<sup>th</sup> Street 345 kV Substation;
- Con Edison's feeder FDR 34091, which connects to Con Edison's 138 kV Astoria East Substation (also referred to as 138 kV Astoria East PAR); and
- The existing 345/16.5 kV Developer's Attachment Facilities owned by Astoria Energy LLC for the Astoria Energy II generating facility.

In connection with modifications to the Astoria Annex Substation to accommodate the Merchant Transmission Facility, the substation will also provide the interface with:

- The 345kV AC line to the converter substation for the Merchant Transmission Facility located in Astoria, Queens, New York; and
- Connecting Transmission Owner's 345 kV cable from the Astoria Annex Substation to Con Edison's Rainey Substation.

As illustrated in Figure A-1, as part of the expansion to an eight breaker GIS ring bus at the Astoria Annex Substation, the following changes will be made to the interfaces at the Astoria Annex Substation:

- The existing Con Edison 138kV Astoria East Substation connection FDR 34091 (i.e., the 138 kV Astoria East PAR) will be relocated from between existing breakers 3 and 5 (Bus Section 3) to between existing breaker 2 and future breaker 4 (future Bus Section 4). The Point of Change of Ownership for the 138kV Astoria East PAR is at GIS gas-to-air bushings, located at the Astoria Annex GIS switchyard.
- The existing Con Edison 345kV E13th St. Substation connection via Q35M transmission line will be relocated from between existing breakers 2 and 5 (Bus Section 5) to between future breaker 6 and future breaker 8 (future Bus Section 8). The GIS building will be expanded on the south side to accommodate future breakers #7 and #8. This GIS bus expansion will require the following:



- The existing equipment for Q35M (air disconnect switch and ground switch) located outside the GIS building on the switch structure to be removed.

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- Existing line exit GIS equipment (VTs, motor operated disconnect switch, and grounding switch) needs to be relocated on the future extension line exit inside the expanded GIS building. New sets of CTs need to be installed.
- The gas to air bushing and its structure needs to be relocated further south in the yard.
- The proposed connection at the Astoria Annex Substation for the 345 kV cable to Con Edison's Rainey Substation will be between existing breaker 5 and future breaker 7 (Bus Section 5).
- The GIS building extension on the south side will affect one of the existing yard cable trenches. The GIS building extension will not be built over the existing trench. All the existing control cables associated with Q35M, Reactor R2, and associated equipment will be rerouted from the control building to a new junction box. New cables will need to be installed from the aforementioned yard equipment to the junction box.
- Developer shall implement one of the two options in order to maintain access for oversized equipment to the switchyard as it presently exists.
  - Option 1 - maintain the existing east side access road width (in a straight path entire length) after the building is expanded (as proposed) by moving the existing fence line over and by acquiring the required property easement.
  - Option 2 - acquire the required property easement and construct a new road in south east corner of switchyard (where existing access gate is located) to existing road along with required security equipment and the raising of existing utility lines along road. New road shall be designed for extra heavy equipment and shall be paved per New York City Department of Buildings standards.
- New Geotech testing for the design associated with this project is required.
- New soil testing, removal and disposal are required.
- As part of the Storm Hardening Initiatives and requirements for Flood-Resistant Construction within the NYC Department of Buildings after Hurricane Sandy, a survey shall be initiated by the Developer for the Astoria Annex Substation. The cost associated with storm hardening was not covered in the Q631/Q887 Part 1 Facilities Study and additional study is required per NYC Building Code Appendix G Flood -Resistant Construction which references ASCE 24-14. Any additional costs associated with storm hardening will be allocated in accordance with the requirements in Section 25.8.6.4 of Attachment S to the NYISO OATT to the extent applicable.

Responsible party to follow the more stringent design standards as prescribed by either NYC Building Code or the NYS Building Code. Currently, The NYS Building Code references ASCE 24-14 (Code Reference Book) requiring design of critical infrastructure to the HIGHER of 3' above the Base Flood Elevation or the 500-year flood as indicated by the FEMA Firm maps, which governs over the current NYC Building Code.

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- From a security standpoint, Con Edison monitors access and control to all of Connecting Transmission Owner's Astoria Annex Substation. If the NPCC re-classifies the Astoria Annex Substation due to the interconnection of the Merchant Transmission Facility, additional upgrades may be required. Any additional costs associated with additional upgrades due to the reclassification of the Astoria Annex Substation will be allocated in accordance with requirements in Section 25.8.6.4 of Attachment S to the NYISO OATT to the extent applicable.

*ii. Equipment and Physical Equipment Required for Modifications to Astoria Annex Substation to Accommodate Merchant Transmission Facility*

The expansion of the Astoria Annex Substation includes the following major electrical and physical equipment:

- Four (4) SF6, GIS circuit breakers 345 kV nominal system voltage, 3000 A continuous, 1050 kV BIL, 63 kA interrupting;
- Six (6) sets of GIS current transformers 3000/5A MR Relay Acc.C800, TRF1.5;
- One (1) set of GIS current transformers 3000/5A MR Meter Acc.0.3B0.2, TRF=1.5;
- Eight (8) GIS motor operated combined disconnect/grounding switches 345 kV nominal, 3000 A continuous, 1050 kV BIL, 63 kA momentary;
- One (1) GIS grounding switch 345kV nominal, 1050 kV BIL, 63 kA momentary;
- Four (4) sets of three phase 345 kV GIS voltage transformers for relaying and metering, 3 secondary windings, accuracy: 0.3Z, 1800/3000:1; and
- Two (2) sets of three phase 345 kV GIS ring core current transformers (relay) 3000/5A MR, relay accuracy C800, TRF=1.5 (345kV FDR Q35M relocation).

In addition, the Other SUFs include the following additional equipment at the Astoria Annex Substation:

- 345 kV GIS structures (including GIS to underground cable termination structure);
- 345 kV GIS bus work (includes 138 kV Astoria East PAR relocation);
- Conduit and trench;
- Control cabling;
- Foundations/piles;
- Grounding materials;
- GIS building:
  - GIS building expansion on south side;
- Control building:
  - 1st and 2nd relay room expansion;
  - Twelve (12) relaying, metering, control and communication panels;
  - Two (2) AC switchboards; and
  - Two (2) 125 VDC switchboards.

Note: existing GIS motor operated disconnect switches/ ground switches, fast acting ground switches and voltage transformers installed on 345kV FDR Q35M and 138kV Astoria East PAR

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and also the GIS Bus #5 voltage transformers will be reused and relocated for the new configuration.

### **Substation Physical Requirements:**

Foundations: New foundations required for control house and GIS building expansion and for new equipment.

Tray/Conduit/Cable: New tray, conduit and cable required for all new equipment and to reroute circuits to existing equipment.

Grounding: Grounding for new equipment in accordance with applicable codes, standards, Connecting Transmission Owner's requirements and Con Edison's specifications.

GIS Building: Existing to be expanded to accommodate the expanded ring bus per design.

Control House: Existing to be expanded to accommodate additional new protective relaying panels per design.

Battery/Charger: Existing, to be verified if supports the additional DC load per design and upgrade if necessary.

AC Station Service: Existing, to be verified if supports the additional AC load per design and upgrade if necessary.

HVAC and Space Heaters: Existing, to be verified if supports the expanded building and relay rooms and upgrade if necessary.

Fire Detection/Protection: To be upgraded for GIS building extension and control building extension.

Security System: To be upgraded for GIS building extension and control building extension.

Sequence of Events Recorder ("SER")/Digital Fault Recorder ("DFR")Equipment: Existing, to be verified if supports the additional required inputs per design and upgrade if necessary.

RTU: Existing, to be verified if supports the additional required inputs per design and upgrade if necessary.

Outdoor Enclosures: a cable transition box will be installed to accommodate the existing circuits displaced by the building expansion

Lightning Protection: N/A.

Bus Layout: Per Con Edison's TRANSMISSION PLANNING CRITERIA (EP-7100-10 paragraph 1.7), "Interconnection plans will avoid overhead crossings of other feeders and

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associated substation bus sections, provide adequate separation and when necessary independent routing of underground feeders, and provide separation of control and relay protection wiring.” Crossing gas insulated sections of 345kV Rainey/Q35L, Q631/Q35L, is acceptable per Con Edison.

### **Phasor Measurement Unit Requirements**

In accordance with Article 9.10 of this Agreement, the Developer will also be responsible for installing at the Astoria Annex Substation one (1) phasor measurement unit (“PMU”) and optical transport network equipment and its associated equipment for transmitting PMU data to NYPA and NYISO. Connecting Transmission Owner will own, operate, and maintain this equipment.

### **Protective Relaying Requirements:**

The conceptual Main One Line Diagram (Dwg. No. 2375573-001) is provided in Figure A-1 to this Appendix A.

Based on a site visit on 01.25.2022: In each room there is space for an additional three (3) panels. The expansion of both “1st Line Relay Protection” room and “2nd Line Relay Protection” room is required in order to accommodate at least 4 (four) more panels beyond the existing space already available in each room.

Some of the existing relays can be relocated to allow for more space for new panels. One possible arrangement of the relay panels, without considering any of the existing relay to be relocated so less disturbing (subject to detailed engineering and Connecting Transmission Owner approval) in each expanded control room, is detailed below:

#### **I. Control Room “1<sup>st</sup> Line Protection”**

- **Existing Bus Section 1-** Existing 345kV FDR.Q35L connection:
  - Existing Panel 1-1A -no equipment update
  - Existing Panel 1-1B -no equipment update
  - Existing Panel 1-1C -no equipment update
  
- **Existing Bus Section 2-** Existing 345kV FDR.G13 connection:
  - Existing Panel 2-1A -no equipment update
  - Existing Panel 2-1B -no equipment update
  
- **New Bus Section 8-** Existing 345kV FDR Q35M:
  - Existing Panel 5-1A rename as 8-1A
  - Existing Panel 5-1B rename as 8-1B
  - Existing Panel 5-1C rename as 8-1C



- **New Bus Section 4-** Existing 345kV Astoria PAR 138kV:  
Existing Panel 3-1A rename as 4-1A  
Existing Panel 3-1B rename as 4-1B

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Existing Panel FDR 34091 rename as 4-1C

- **New Bus Section 6-** SPARE Position:
  - New Panel 6-1A**
    - Bus Diff 87B-1/BS#6
    - BKR 6 Failure (50/62-1/6)
    - Lock Out Relays for breaker failure and bus differential, FT test switches
  
- **Existing Bus Section 3** -New 345kV feeder -single circuit overhead tie line approximately 0.3 miles in length within the Astoria complex from the Merchant Transmission Facility (Q631/887):
  - New Panel 3-1A**
    - Line Differential and direct transfer trip (“DTT”): 85-1
    - BKR 3 Failure (50/62-1/3)
    - LOR relays for 85-1and breaker failure, FT test switches
  - New Panel 3-1B**
    - Bus Diff 87B/BS#3
    - Communication /fiber equipment
    - FT test switches
  
- **New Bus Section 5-** New 345kV Astoria-Rainey Cable connection:
  - New Panel 5-1A**
    - Line protection and DTT: 85-1
    - BKR 5 failure (50/62-1/5)
    - LOR relays for 85-1 and breaker failure, FT test switches
  - New Panel 5-1B**
    - Bus Diff 87B/BS#5
    - Communication /fiber equipment
    - FT test switches
  
- **New Bus Section 7-** SPARE Position:
  - New Panel 7-1A**
    - Bus Diff 87B-1/BS#7
    - BKR 7 failure (50/62-1/7)
    - LOR relays for breaker failure and bus differential, FT test switches

## II. Control Room “2<sup>nd</sup> Line Protection”

- **Existing Bus Section 1-** Existing 345kV FDR.Q35L connection:
  - Existing Panel 1-2A -no equipment update
  - Existing Panel 1-2B -no equipment update
  - Existing Panel 1-2C -no equipment update

- **Existing Bus Section 2**- Existing 345kV FDR.G13 connection:  
Existing Panel 2-2A -no equipment update

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Existing Panel 2-2B -no equipment update

- **New Bus Section 8-** Existing 345kV FDR Q35M:
  - Existing Panel 5-2A rename as 8-2A
  - Existing Panel 5-2B rename as 8-2B
  - Existing Panel 5-2C rename as 8-2C
  
- **New Bus Section 4-** Existing 345kV Astoria PAR 138kV:
  - Existing Panel 3-2A rename as 4-2A
  - Existing Panel 3-2B rename as 4-2B
  - Existing Panel FDR 34091 rename as 4-2C
  
- **New Bus Section 6-** SPARE Position:
  - New Panel 6-2A**
    - Bus Diff 87B-2/BS#6
    - BKR 6 Failure (50/62-2/6)
    - LOR relays for breaker failure and bus differential, FT test switches
  
- **Existing Bus Section 3-**New 345kV feeder - single circuit overhead tie line approximately 0.3 miles in length within the Astoria complex from the Merchant Transmission Facility (Q631/887):
  - New Panel 3-2A**
    - Line differential and DTT: 85-2
    - BKR 3 failure (50/62-2/3)
    - LOR relays for 85-2 and breaker failure, FT test switches
  
  - New Panel 3-2B**
    - Communication /fiber equipment
    - FT test switches
  
- **New Bus Section 5-** New 345kV Astoria-Rainey Cable connection:
  - New Panel 5-2A**
    - Line differential and DTT: 85-2
    - BKR 5 failure (50/62-2/5)
    - LOR relays for 85-2 and breaker failure, FT test switches
  - New Panel 5-2B**
    - Communication /fiber equipment
    - FT test switches
  
- **New Bus Section 7-** SPARE Position:
  - New Panel 7-2A**
    - Bus Diff 87B-2/BS#7
    - BKR 7 failure (50/62-2/7)

- LOR relays for breaker failure and bus differential, FT test switches

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### Revenue Meter:

- Two (2) new revenue meters for the Merchant Transmission Facility will be installed in the existing Connecting Transmission Owner's metering cabinet, located in the Astoria Annex control room.

#### *iii. Astoria-Rainey Cable*

Pursuant to Section 25.6.1.4.1 of Attachment S of the NYISO OATT, Developer elected to construct the Astoria-Rainey Cable as a System Upgrade Facility that is more extensive than the minimum facilities required to reliably interconnect the Merchant Transmission Facility project and is reasonably related to the interconnection of the project ("Elective SUF"). The demarcation points for the Astoria-Rainey Cable are the 345 kV cable potheads exiting the Astoria Annex Substation and Consolidated Edison Company of New York, Inc.'s ("Con Edison's") Rainey Substations.

The major equipment to accommodate the Astoria-Rainey Cable project at the Astoria Annex Substation include the following:

- One (1) set of three phase 345 kV GIS voltage transformers for relaying and metering, 3 secondary windings, accuracy: 0.3Z, 1800/3000:1;
- Two (2) sets of three phase 345 kV GIS ring core current transformers (relay) 3000/5A MR, relay accuracy C800, TRF=1.5;
- One (1) 345 kV GIS motor operated disconnect switch and grounding switch (three phase) 3000A continuous, 63 kA momentary;
- One (1) 345 kV GIS fast acting grounding switch (three phase);
- One (1) set of three phase GIS surge arresters, 250kV maximum continuously operating voltage ("MCOV");
- 345 kV XLPE cables;
- 345 kV XLPE cable splices; and
- Control, metering and protection systems.

Additional upgrades will be required at Con Edison's Rainey Substation. In addition, the existing single circuit connection from the Con Edison PAR to the Astoria East 138 kV substation will be upgraded to provide a Long Term Emergency ("LTE") rating of at least 333 MW. As described in Section 4 of this Appendix A below, these upgrades will be addressed through a separate engineering, procurement, and construction agreement among the NYISO, Con Edison, and Developer.

The Connecting Transmission Owner shall supply standard drawings and equipment

specifications for the Developer to finalize the design for the Connecting Transmission Owner's review and approval. The Developer will coordinate the work and necessary outages with NYPA.

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### **3. Developer Election of Option to Build**

Pursuant to Article 5.1.3 of this Agreement, the Developer has chosen the option to build the CTOAFs and Stand Alone System Upgrade Facilities and will construct the Other System Upgrade Facilities and Elective SUF as described in this Appendix A, all of which facilities will be transferred to the Connecting Transmission Owner. The Developer will be responsible for the engineering, design, procurement, construction, installation, testing, commissioning, and transfer of such facilities in accordance with Connecting Transmission Owner's or Consolidated Edison Company of New York ("Con Edison") applicable standards and procedures (including NYPA Division 1 Project Requirements Specifications, NYPA Design Criteria, and applicable NERC Reliability Standards and NPCC directives), to the extent such standards are not inconsistent with the terms of this Agreement, the NYISO OATT, or applicable NYISO procedures. Equipment procurement for the facilities that will be turned over to the Connecting Transmission Owner shall comply with its procurement process including its Appendix P and other NERC CIP program requirements.

### **4. Affected Systems**

The interconnection of the Merchant Transmission Facility will require System Upgrade Facilities at Con Edison's Rainey Substation to accommodate the new underground 345 kV cable from the Astoria Annex Substation, as well as the reconductoring of the overhead portions of Con Edison's Line #34091 from the Astoria Annex Substation to the Astoria East 138 kV PAR. This work will be addressed in a separate engineering, procurement, and construction agreement among the NYISO, Developer, and Con Edison.

### **5. System Deliverability Upgrades**

The System Deliverability Upgrades ("SDUs") required for the Merchant Transmission Facility, if any, will be identified in the Class Year Study for Class Year 2021.

### **6. Cost Estimates**

The cost estimate for the CTOAFs and System Upgrade Facilities will be determined in the Part 1 Study for the Merchant Transmission Facility and the Class Year Study for Class Year 2021.

### **7. O&M for CTOAFS**

Pursuant to Section 10.5 of this Agreement, Developer shall pay the reasonable expenses (including overheads) for the operation, maintenance, repair and replacement of CTOAFs. Such expenses are calculated as follows:

- a) Contractor expenses for labor, equipment and materials. These expenses shall be invoiced as the actual amount of the Contractors' invoices. Connecting Transmission Owner shall also be entitled to a fee of 5 % of such amount(s).



- b) Connecting Transmission Owner's labor, craft and salaried personnel directly working on

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the operation, maintenance or repair of the Connecting Transmission Owner's Attachment Facilities. These expenses shall be invoiced on the basis of Connecting Transmission Owner's standard labor rate times the number of hours worked (including adjustment for overtime hours, if applicable). Such standard rate is subject to change in accordance with Connecting Transmission Owner's normal budgeting practices.

- c) Equipment and materials purchased by the Connecting Transmission Owner (other than those covered under subsection (a), above). These expenses shall be invoiced on the basis of the actual cost of such material. Connecting Transmission Owner shall also be entitled to a fee of 15% of such amount(s).
- d) Use of vehicles and construction equipment. These expenses shall be invoiced at Connecting Transmission Owner's cost. Connecting Transmission Owner shall also be entitled to a fee of 10% of such amount(s).
- e) Miscellaneous expenses (e.g. local utility charges for power; local telephone/communication fees; other fees such as FAA licenses). These expenses shall be invoiced at Connecting Transmission Owner's cost. Connecting Transmission Owner shall also be entitled to a fee of 5% of such amount(s).

### **8. Transfer of Property**

Pursuant to Section 5.2.10 of this Agreement, upon completion of construction, testing, and acceptance of the Astoria Annex Substation improvements and the Astoria-Rainey Cable by the Connecting Transmission Owner, Developer will (a) convey to the Connecting Transmission Owner its entire proprietary interest therein (including any assignable consents issued by the City of New York) including any required right of way as depicted in Site Plan (to be provided by the Developer), and (b) will transfer to Connecting Transmission Owner title to the CTOAFs and SUFs constructed thereon or therein, all free and clear of any liens and encumbrances. All conveyance documents consistent with Connecting Transmission Owner requirements, including those in the Design Criteria for Developer Connection to New York Power Authority's Transmission System document, and will be subject to prior review by, and in form acceptable to, Connecting Transmission Owner. Connecting Transmission Owner will provide the Developer an easement, permit, or contractual access right over such transferred property to allow Developer access to the SUFs and CTOAF. The Connecting Transmission Owner shall, at its discretion and at its expense, maintain any required right of way for its purposes only. Any additional access or maintenance of any required right of way requested or required by Developer or others with whom Developer has obtained an easement, permit or other property interest or contractual access rights for the site access road, including, but not limited to, snow removal, shall be the responsibility of the Developer.

### **9. Additional Requirements**

The Developer has executed Class Year Study Agreements for its Merchant Transmission Facility to enter into Class Year 2021 for both its proposed 1000 MW HVDC merchant

transmission facility project (NYISO Queue No. 631) and its proposed 250 MW expansion project for the merchant transmission facility (NYISO Queue No. 887). The projects in both

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NYISO Queue Positions are collectively the Merchant Transmission Facility subject to this Agreement.

The Class Year Study is divided into two parts. The first part of the study (“Part 1 Facilities Study”) is a design and engineering study performed for an individual Class Year project that identifies the CTOAFs, Local SUFs, and related metering, protection, and telecommunications facilities required to reliably interconnect the project. The second part of the study (“Class Year Study”) is a combined study of the projects participating in the Class Year to identify the remainder of the System Upgrade Facilities required to reliably interconnect the aggregate of projects in the Class Year Study.

At the request of the Developer in accordance with Section 30.11.4 of Attachment X to the NYISO OATT, this Agreement was executed prior to the completion of the Part 1 Facilities Study and the Class Year Study for Class Year 2021 for the consolidated Merchant Transmission Facility project in NYISO Queue Nos. 631 and 887. As a result, the interconnection and operation of the Merchant Transmission Facility may require the construction of CTOAFs, Stand Alone System Upgrade Facilities, Other System Upgrade Facilities (“Other SUFs”) in addition to the CTOAFs, Stand-Alone SUFs, and Other SUFs identified in this Appendix A. Developer agrees that it will accept its Project Cost Allocation for any required System Upgrade Facilities, and will post the related Security or payments, that are identified for its projects with NYISO Queue Nos. 631 and 887 in the Class Year Study for Class Year 2021.

If the CTOAFs, Stand-Alone SUFs, or Other SUFs for Developer’s Merchant Transmission Facility identified in the Class Year Study for Class Year 2021 differ from the facilities identified in the Appendices to this Agreement, or this Agreement otherwise needs to be updated to reflect the results of the Class Year Study for Class Year 2021, the Parties shall amend this Agreement after Developer has accepted its Project Cost Allocation for the Class Year, pursuant to Articles 29.11 and 29.12, to reflect the results of the Class Year Study for Class Year 2021. For the amended Agreement, the Developer will provide updated, simplified one-line diagram(s) concerning the interconnection of the Merchant Transmission Facility. In addition, Developer agrees that following the completion of the Class Year Study for Class Year 2021, it will provide Connecting Transmission Owner with any Security required by Article 11.5 of this Agreement for CTOAFs, which Security will be reflected in the amended Agreement.

### **10. Engineering Services Provided by Connecting Transmission Owner**

The Connecting Transmission Owner will perform its review and approval of engineering designs as required in Article 5.2.4 of this Agreement in the manner described in this Section 10. The Connecting Transmission Owner and Developer’s contact information concerning the performance of the engineering services described in this Section 10 are included in Appendix F of this Agreement.

The Connecting Transmission Owner shall only provide engineering services for equipment and structures to which it is contemplated that title will be transferred to the

Connecting Transmission Owner under this Agreement. The Connecting Transmission Owner is not providing engineering services with respect to any other equipment or structures.

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Developer’s engineering drawings for the interconnection of the Merchant Transmission Facility shall be submitted to the Connecting Transmission Owner and be stamped by a Professional Engineer. If Developer revises any of the drawings, the revised drawings shall be resubmitted to the Connecting Transmission Owner and shall indicate all changes made from the prior submission by highlighting or circling the change. Upon receipt of the Developer’s drawings, the Connecting Transmission Owner shall timely commence its review and provide comments to Developer within 30 calendar days from the date of receipt.

After completing its review, the Connecting Transmission Owner shall send written notice to Developer either: (1) approving the drawings; or (2) detailing any deficiencies and nonconformance with the Connecting Transmission Owner’s criteria and specifications and applicable design requirements, including copies of any relevant design criteria documents and supporting information. To the extent necessary, Developer shall correct any deficiencies and non-conformance and submit revised design criteria information to the Connecting Transmission Owner for further review and acceptance.

**11. Connecting Transmission Owner’s and Developer’s Responsibilities Concerning Attachment Facilities and System Upgrade Facilities**

**Responsibility Matrix for CTO and Developer Scope Concerning Attachment Facilities and System Upgrade Facilities**

Task	Connecting Transmission Owner Scope	Developer Scope
1 Connecting Transmission Owner’s Attachment Facilities <ul style="list-style-type: none"> <li>Merchant Transmission Facility interconnection at Astoria Annex Substation (from POI at Astoria Annex Substation to Point of Change of Ownership (PCO) demarcation)</li> </ul>	<ul style="list-style-type: none"> <li>Review &amp; approve the engineering, design &amp; procurement</li> <li>Oversight for construction/installation, testing, commissioning</li> </ul>	Engineer, design, procure, construct/install, test, commission
2 Other SUF at Astoria Substation <ul style="list-style-type: none"> <li>Expansion of the existing Astoria Annex Substation from a (4) four breaker ring bus to an (8) eight breaker ring bus configuration.</li> </ul>	Review & approves	Engineer, design, procure, construct/install, test, commission

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- 138kV Astoria East PAR relocation on the new (8) eight - breaker ring bus configuration
- FDR Q35M relocation on the new (8) eight breaker ring bus configuration.
- The interconnection at the Astoria Annex Substation of the new 345kV Rainey Cable

	<b>Specific Task with Protection and Control Scope for the expanded Astoria Annex Substation</b>	<b>Connecting Transmission Owner Scope</b>	<b>Developer Scope</b>
3	Protection application document with high level sketches of protection and communication schemes	Review & approves	Develop & submit
4	Drawing package	Review & approves	Develop & submit
5	Finalize drawing package (Professional Engineer (“PE”) Sealed Issued For Construction (“IFC”) Drawings)	For record keeping	Develop & submit
6	Final drawing package approved	Review & approves	Develop & submit
7	Develop bill of materials and bid specification	Review & approves	Develop & submit
8	Procurement of equipment	Review & approves	Develop & submit
9	Perform design and settings development to ensure all BPS NERC and NPCC requirements are met including but not	Review & approves	Develop & submit





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10	Developer to ensure that the project’s expanded Astoria Annex Substation is accurately represented in the NYISO Aspen model	Review & approves	Develop & submit
11	Must provide calculations and final values of new line parameters (facility thermal ratings including impedance, mutual coupling & susceptance)	Review & approves	Develop & submit
12	All as-built drawings comments to be updated electronically	Review & approves	Develop & submit
13	Developer is required to perform protection coordination studies for the project’s expanded Astoria Annex Substation utilizing the ASPEN NYISO model.	Review & approves	Develop & submit
14	Develop relay settings & calculations	Review & approves	Develop & submit
15	NPCC Directory 4 presentation and approval	Support	Develop & submit
16	Program relay settings	Review & approves	Develop & submit
17	Perform test settings	Review & approves	Develop & submit
18	Construction/installation	Oversight	Construction & installation
19	Testing and commissioning ensure all PRC005 requirements are adhered to	Review & approves	Perform testing and commissioning

**Task associated with SCADA/Real-Time Automation Controller Scope for the expanded Astoria Annex Substation**

**Connecting Transmission Owner Scope**

**Developer Scope**



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20	Points development	Review and approve	Develop & submit
21	Provide specifications	Develop & submit review final design specs	Incorporate in final design and Modify/develop additional specifications as needed
22	Procure equipment	Review & approves	Procure, develop & submit
23	Physical installation	Oversight	Complete physical installation; Developer to be available to troubleshooting physical wiring changes during testing
24	Testing	Testing with control room is Connecting Transmission Owner responsibility	Developer responsible to local testing, ensure everything is up and running
25	Commissioning	Responsible	Coordinate with generator side
26	Task associated with communication protocol scope for the expanded Astoria Annex Substation <b>NERC CIP Program Requirements</b>	Review & approves	Develop & submit
27	For the expanded Astoria Annex Substation and CTOAF scope associated with security system that meets Connecting Transmission Owner’s NERC CIP program requirements (physical, electronic, and Cyber) and secure to Medium Impact assets;	Review & approves	Develop & submit
28	Complete Connecting Transmission Owner NERC CIP program requirements for design, engineering, procurement and construction Project turn over and closeout	Review & approve	Develop & submit
29	<ul style="list-style-type: none"> <li>• IFC drawings, real estate transfer, turn over packages</li> <li>• Submit final as-built drawings • OEM, supplier, contractor or subcontractor warranties</li> <li>• Pre-Construction Environmental</li> </ul>	Review & approve	Develop & submit

	Studies, including Phase I and Phase II environmental site assessments,	Review & approve	Develop & submit
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wetlands delineation, and cultural  
resources assessment

- Associated resolutions/remediation reports and regulatory approvals required to address the issues found in the above noted Pre-Construction Environmental Studies

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**FIGURE A-1 -Astoria Annex 345 kV Substation Expansion**

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**FIGURE A-2 -DAF One Line Diagram**

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### APPENDIX B

### MILESTONES

#### 1. Selection Option Pursuant to Article 5.1

Pursuant to Article 5.1.3, Developer has elected the Option to Build for the Connecting Transmission Owner's Attachment Facilities and Stand Alone System Upgrade Facilities.

#### 2. Milestones

<b>Task</b>	<b>Milestone</b>	<b>Date</b>	<b>Responsible Party</b>
	Commence Engineering	Q2, 2022	Developer
	Long Lead Item Purchases	Q4, 2022	Developer
	Commence Construction	Q2, 2023	Developer
	Complete Construction	Q2, 2025	Developer
	In Service Date	Q2, 2025	Developer/ Connecting Transmission Owner
	Initial Synchronization Date	Q2, 2025	Developer/ Connecting Transmission Owner
	Commercial Operation Date	Q2, 2025	Developer/ Connecting Transmission Owner

**The following notes apply to all work performed as required by this Agreement or by Connecting Transmission Owner:**

- A. Connecting Transmission Owner work durations do not include holiday work; if a Connecting Transmission Owner holiday occurs during an event on these Milestones, then effected dates shall be extended day-for-day.
- B. All Connecting Transmission Owner outage durations necessary to interconnect Developer's project are dependent on favorable weather conditions where the work is being

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performed. Unfavorable weather conditions may extend the length of such outage durations.

- C. Transmission System emergencies take precedence over all work and could significantly impact the schedule and durations.
- D. Connecting Transmission Owner schedules its resources months in advance, and its ability to reschedule manpower is limited by resource allocation to other Connecting Transmission Owner projects and tasks. If Developer misses a scheduled Milestone that directly affects performance of a Connecting Transmission Owner's Milestone, performance or completion of Connecting Transmission Owner's relevant Milestone may be delayed until the Connecting Transmission Owner can reschedule its manpower to work on the assigned task.
- E. The Closeout/Turnover Package shall consist of the following: As-built drawings, Punchlist, Record Drawings, all equipment, QA/QC installation, commissioning, Engineer of Record Professional Engineer certification, color markup of design, drawings and warranties, and all documentation necessary for demonstrating compliance with applicable NERC Reliability Standards and NPCC directories.

### **3. Security**

Developer shall provide Connecting Transmission Owner with Security for the System Upgrade Facilities and CTOAFs as described in Section 9 of Appendix A to this Agreement.

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## **SERVICE AGREEMENT NO. 2710**

### **APPENDIX C**

#### **INTERCONNECTION DETAILS**

##### **1. Description of Facilities including Point of Interconnection**

The Merchant Transmission Facility is the U.S. portion of a 1,250 MW HVDC (AC input - DC conversion - AC output) transmission project that will interconnect Hydro Quebec's Hertel 735 kV Substation with the Connecting Transmission Owner's Astoria Annex Substation. The Merchant Transmission Facility will interconnect at the U.S.-Canada border with the approximately 33-mile Quebec portion of the transmission project that will be developed by Hydro-Québec TransÉnergie. The Merchant Transmission Facility will consist of (i) a +/- 400 kV DC cable system extending from the international border to Queens, New York and (ii) a 1250 MW HVDC converter station to be constructed in Astoria, Queens, New York. The Merchant Transmission Facility will have a maximum north to south summer and winter transfer limit of 1,250 MW. The Merchant Transmission Facility will have only unidirectional flow from the control area operated by Hydro-Québec TransÉnergie to the New York Control Area.

The Merchant Transmission Facility includes a 339 mile (-/+400 kV) symmetric monopole HVDC underground cable will be constructed and installed from the converter substation to a 400/345 kV converter station located in Astoria, Queens, New York. The facility will use HVDC Voltage Source Converter ("VSC") technology, and has a reactive capability of 0.95 inductive to 0.95 capacitive at maximum rated power. The converter station in Astoria, New York will convert the 400 kV DC to 345 kV AC. This converter station will connect to Connecting Transmission Owner's Astoria Annex Substation via a 1600 ft overhead line.

The Point of Interconnection ("POI") is located at the Connecting Transmission Owner's existing Astoria Annex Substation between existing Breakers 3 and 5 (existing Bus Section 3). The Point of Change of Ownership ("PCO") is located at the west side building wall of the Connecting Transmission Owner's substation structure where the transmission line enters the building. The location of the POI and PCO is illustrated in Figure A-1.

##### **2. Developer Operating Requirements**

(a) Developer shall comply with all provisions of NYISO tariffs and procedures, as amended from time to time.

(b) Developer may not supply Unforced Capacity to the NYCA from the Merchant Transmission Facility until Developer has complied with the deliverability requirement pursuant to Attachment S of the NYISO OATT, including acceptance of any cost allocation for System Deliverability Upgrades ("SDUs") and the posting of associated security or payments. If SDUs are identified in the Class Year System Deliverability Study for Class Year 2021 and Developer accepts its Project Cost Allocation and posts Security for such SDUs, the Parties shall amend this Agreement, pursuant to Articles 29.11 and 29.12, to reflect the SDUs identified in the System Deliverability Study.



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## **SERVICE AGREEMENT NO. 2710**

(c) The NYISO and Developer will develop an operating agreement concerning the operation of the Merchant Transmission Facility. The Merchant Transmission Facility shall not enter into service prior to the effective date of the operating agreement. If the NYISO determines that any conforming modifications to this Agreement are required in connection with the operating agreement, the NYISO will coordinate with the Connecting Transmission Owner and Developer concerning the review of the modifications and the amendment of this Agreement pursuant to Articles 29.11 and 29.12 of this Agreement.

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## **SERVICE AGREEMENT NO. 2710**

### **APPENDIX D**

#### **SECURITY ARRANGEMENTS DETAILS**

Infrastructure security of New York State Transmission System equipment and operations and control hardware and software is essential to ensure day-to-day New York State Transmission System reliability and operational security. The Commission will expect the NYISO, all Transmission Owners, all Developers and all other Market Participants to comply with the recommendations offered by the President's Critical Infrastructure Protection Board and, eventually, best practice recommendations from the electric reliability authority. All public utilities will be expected to meet basic standards for system infrastructure and operational security, including physical, operational, and cyber-security practices.

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**SERVICE AGREEMENT NO. 2710**

**APPENDIX E-1**

**INITIAL SYNCHRONIZATION DATE**

**[Date]**

New York Independent System Operator, Inc.  
Attn: Vice President, Operations  
10 Krey Boulevard  
Rensselaer, NY 12144

New York Power Authority  
Sr. Vice President Power Supply  
New York Power Authority  
Blenheim-Gilboa Power Project  
397 Power Plant Access Road  
Gilboa, NY 12076  
Phone: (518) 287 6301

Re: Merchant Transmission Facility

Dear :

On **[Date]** **[Developer]** initially synchronized the Merchant Transmission Facility. This letter confirms **[Developer]**'s Initial Synchronization Date was **[specify]**.

Thank you.

**[Signature]**

**[Developer Representative]**

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\_\_\_\_\_

\_\_\_\_\_

**SERVICE AGREEMENT NO. 2710**

**APPENDIX E-2**

**COMMERCIAL OPERATION DATE**

**[Date]**

New York Independent System Operator, Inc.  
Attn: Vice President, Operations  
10 Krey Boulevard  
Rensselaer, NY 12144

New York Power Authority  
Sr. Vice President Power Supply  
New York Power Authority  
Blenheim-Gilboa Power Project  
397 Power Plant Access Road  
Gilboa, NY 12076  
Phone: (518) 287 6301

Re: \_\_\_\_\_ Merchant Transmission Facility

Dear \_\_\_\_\_:

On **[Date]** **[Developer]** has completed Trial Operation. This letter confirms that **[Developer]** commenced Commercial Operation of the Merchant Transmission Facility, effective as of **[Date plus one day]**.

Thank you.

**[Signature]**

**[Developer Representative]**





**SERVICE AGREEMENT NO. 2710**

**APPENDIX F**

**ADDRESSES FOR DELIVERY OF NOTICES AND BILLINGS**

**Notices:**

NYISO:

Before commercial operation of the Merchant Transmission Facility:

New York Independent System Operator, Inc.  
Attn: Vice President, System and Resource Planning  
10 Krey Boulevard  
Rensselaer, NY 12144  
Phone: (518) 356-6000  
Fax: (518) 356-6118

After commercial operation of the Merchant Transmission Facility:

New York Independent System Operator, Inc.  
Attn: Vice President, Operations  
10 Krey Boulevard  
Rensselaer, NY 12144  
Phone: (518) 356-6000  
Fax: (518) 356-6118

Connecting Transmission Owner:

New York Power Authority  
Sr. Vice President Power Supply  
New York Power Authority  
Blenheim-Gilboa Power Project  
397 Power Plant Access Road  
Gilboa, NY 12076  
Phone: (518) 287-6301

Developer:

Transmission Developers, Inc.  
Attn: General Counsel  
Pieter Schuyler Building  
600 Broadway  
Albany, NY 12207  
Phone: (518) 465-0710

With electronic copy to:

Bill.Helmer@transmissiondevelopers.com

Bob.Harrison@transmissiondevelopers.com

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## **SERVICE AGREEMENT NO. 2710**

### **Billings and Payments:**

#### Connecting Transmission Owner:

New York Power Authority  
Sr. Vice President Power Supply  
New York Power Authority  
Blenheim-Gilboa Power Project  
397 Power Plant Access Road  
Gilboa, NY 12076  
Phone: (518) 287 6301

Or

Wire payments to:

New York Power Authority  
Operating Fund c/o  
J.P. Morgan Chase N.A.  
ABA No. 021000021  
Account No. 573-804206

#### Developer:

Transmission Developers, Inc.  
Attn: General Counsel  
Pieter Schuyler Building  
600 Broadway  
Albany, NY 12207  
Phone: (518) 465-0710

With electronic copy to:

Bill.Helmer@transmissiondevelopers.com  
Bob.Harrison@transmissiondevelopers.com

### **Alternative Forms of Delivery of Notices (telephone, facsimile or email):**

#### NYISO:

Before commercial operation of the Merchant Transmission Facility:

New York Independent System Operator, Inc.  
Attn: Vice President, System and Resource Planning  
10 Krey Boulevard

Rensselaer, NY 12144

Phone: (518) 356-6000

Fax: (518) 356-6118

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**SERVICE AGREEMENT NO. 2710**

E-mail: [interconnectionsupport@nyiso.com](mailto:interconnectionsupport@nyiso.com)

After commercial operation of the Merchant Transmission Facility:

New York Independent System Operator, Inc.  
Attn: Vice President, Operations  
10 Krey Boulevard  
Rensselaer, NY 12144  
Phone: (518) 356-6000  
Fax: (518) 356-6118  
E-mail: [interconnectionsupport@nyiso.com](mailto:interconnectionsupport@nyiso.com)

Connecting Transmission Owner:

Brian Saez  
New York Power Authority  
Sr. Vice President Power Supply  
New York Power Authority  
Blenheim-Gilboa Power Project  
397 Power Plant Access Road  
Gilboa, NY 12076  
Phone: (518) 287 6301  
Email address: [Brian.Saez@nypa.gov](mailto:Brian.Saez@nypa.gov)

Developer:

Transmission Developers, Inc.  
Attn: General Counsel  
Pieter Schuyler Building  
600 Broadway  
Albany, NY 12207  
Phone: (518) 465-0710

With electronic copy to:

[Bill.Helmer@transmissiondevelopers.com](mailto:Bill.Helmer@transmissiondevelopers.com)  
[Bob.Harrison@transmissiondevelopers.com](mailto:Bob.Harrison@transmissiondevelopers.com)

