

**APPENDIX 7:**  
**SYSTEM STUDY REQUEST SUBMITTED TO ISO-NE**

**APPENDIX 3**  
**INTERCONNECTION SYSTEM IMPACT STUDY AGREEMENT**

**THIS AGREEMENT** is made and entered into this 30 day of April, 2019 by and between Chinook Solar, LLC, a limited liability company organized and existing under the laws of the State of Delaware ("Interconnection Customer,") and ISO New England Inc., a non-stock corporation existing under the laws of the State of Delaware ("System Operator"), and New England Power Company dba National Grid, a company organized and existing under the laws of the Commonwealth of Massachusetts ("Interconnecting Transmission Owner"). Interconnection Customer, System Operator, and Interconnecting Transmission Owner may be referred to as a "Party," or collectively as the "Parties."

**RECITALS**

**WHEREAS**, Interconnection Customer is proposing to develop a Large Generating Facility or generating capacity addition to an existing Generating Facility consistent with the Interconnection Request submitted by the Interconnection Customer dated April 25, 2018; and

**WHEREAS**, Interconnection Customer desires to interconnect the Large Generating Facility to the Administered Transmission System;

**WHEREAS**, System Operator and Interconnecting Transmission Owner have completed an Interconnection Feasibility Study (the "Feasibility Study") and provided the results of said study to the Interconnection Customer, or Interconnection Customer has requested that the Feasibility Study be completed as part of the System Impact Study pursuant to Section 6.1 of the LGIP, or in the other provisions of the ISO New England Inc. Transmission, Markets and Services Tariff (the "Tariff") (This recital is to be omitted if Interconnection Customer has elected to forego the Interconnection Feasibility Study); and

**WHEREAS**, Interconnection Customer has requested System Operator and Interconnecting Transmission Owner to perform an Interconnection System Impact Study to assess the impact of

interconnecting the Large Generating Facility to the Administered Transmission System, and any Affected Systems.

**NOW, THEREFORE,** in consideration of and subject to the mutual covenants contained herein the Parties agreed as follows:

- 1.0 When used in this Agreement, with initial capitalization, the terms specified shall have the meanings indicated in the Commission-approved Large Generator Interconnection Procedure ("LGIP").
- 2.0 Interconnection Customer elects and System Operator and Interconnecting Transmission Owner shall cause to be performed an Interconnection System Impact Study consistent with Section 7.0 of the LGIP in accordance with the Tariff.
- 3.0 The scope of the Interconnection System Impact Study shall be subject to the assumptions set forth in Attachment A to this Agreement.
- 4.0 The Interconnection System Impact Study will be based upon the results of the Interconnection Feasibility Study, whether performed separately or as part of the Interconnection System Impact Study, and the technical information provided by Interconnection Customer in Attachment A to the Interconnection Request, subject to any modifications in accordance with Section 4.4 of the LGIP. System Operator and Interconnecting Transmission Owner reserve the right to request additional technical information from Interconnection Customer as may reasonably become necessary consistent with Good Utility Practice during the course of the Interconnection System Impact Study. If Interconnection Customer modifies its designated Point of Interconnection, Interconnection Request, or the technical information provided therein is modified, the time to complete the Interconnection System Impact Study may be extended.
- 5.0 The Interconnection System Impact Study report shall provide the following information:

- identification of any circuit breaker or other facility short circuit capability limits exceeded as a result of the interconnection;
- identification of any thermal overload of any transmission facility or system voltage limit violations resulting from the interconnection;
- initial review of grounding requirements and electric system protection;
- identification of any instability or inadequately damped response to system disturbances resulting from the interconnection;
- description and non-binding, good faith estimated cost of and the time to construct the facilities required to interconnect the Large Generating Facility to the Administered Transmission System and to address the identified short circuit, instability, and power flow issues; and
- to the extent the Interconnection Customer requested a preliminary analysis as described in this Section 7.4 of the LGIP, the report will also provide a list of potential upgrades that may be necessary for the Interconnection Customer's Generating Facility to qualify for participation in a Forward Capacity Auction under Section III.13 of the Tariff.

6.0 The Interconnection Customer is providing a deposit equal to:

- i. the greater of 100 percent of the estimated cost of the Interconnection System Impact Study or \$250,000;  
or
- ii. the lower of 100 percent of the estimated cost of the Interconnection System Impact Study or \$50,000, if the Interconnection Customer is providing herewith either:
  - (a) evidence of applications for all Major Permits, as defined in Section III.13.1.1.2.2.2(a) of the Tariff, required in support of the Interconnection Request, or provide certification that Major Permits are not required or

(b) evidence acceptable to the System Operator of At-Risk Expenditures (excluding study costs) totaling at least the amounts of money described in (i) above.

or

iii the lower of 100 percent of the estimated costs of the study or \$50,000 if the Interconnection Request is for a modification to an existing Large Generating Facility that does not increase the energy capability or capacity capability of the Large Generating Facility.

The deposit shall be applied toward the cost of the Interconnection System Impact Study and the development of this Interconnection System Impact Study Agreement and its attachment(s) and the LGIA. Interconnecting Transmission Owner's and System Operator's good faith estimate for the times of commencement and completion of the Interconnection System Impact Study is 28 weeks after study initiation.

The total estimated cost of the performance of the Interconnection System Impact Study consists of \$169,450 which is comprised of the System Operator's estimated cost of \$119,450 and the Interconnecting Transmission Owner's estimated cost of \$7,500 and the Affected Parties' cost of \$42,500.

Any difference between the deposit and the actual cost of the Interconnection System Impact Study shall be paid by or refunded to the Interconnection Customer, as appropriate.

Upon receipt of the Interconnection System Impact Study, System Operator and Interconnecting Transmission Owner shall charge and the Interconnection Customer shall pay the actual costs of the Interconnection System Impact Study.

System Operator and Interconnecting Transmission Owner may, in the exercise of reasonable discretion, invoice the Interconnection Customer on a monthly basis for the work to be conducted on the Interconnection System Impact Study each month. Interconnection Customer shall pay any invoiced amounts within thirty (30) Calendar Days of receipt of the invoice.

In accordance with the LGIP, in performing the Interconnection System Impact Study, System Operator and Interconnecting Transmission Owner shall coordinate with Affected Parties, shall receive and incorporate input from such entities into its study, and shall provide copies of the final study report to such entities.

7.0 Miscellaneous.

7.1 Accuracy of Information. Except as a Party ("Providing Party") may otherwise specify in writing when it provides information to the other Parties under this Agreement, the Providing Party represents and warrants that, to the best of its knowledge, the information it provides to the other Parties shall be accurate and complete as of the date the information is provided. The Providing Party shall promptly provide the other Parties with any additional information needed to update information previously provided.

7.2 Disclaimer of Warranty. In preparing and/or participating in the Interconnection System Impact Study, as applicable, each Party and any subcontractor consultants employed by it shall have to rely on information provided by the Providing Party, and possibly by third parties, and may not have control over the accuracy of such information. Accordingly, beyond the commitment to use Reasonable Efforts in preparing and/or participating in the Interconnection System Impact Study (including, but not limited to, exercise of Good Utility Practice in verifying the accuracy of information provided for or used in the Interconnection System Impact Study), as applicable, no Party nor any subcontractor consultant employed by it makes any warranties, express or implied, whether arising by operation of law, course of performance or dealing, custom, usage in the trade or profession, or otherwise, including without limitation implied warranties of

merchantability and fitness for a particular purpose, with regard to the accuracy of the information considered in conducting the Interconnection System Impact Study, the content of the Interconnection System Impact Study, or the conclusions of the Interconnection System Impact Study. Interconnection Customer acknowledges that it has not relied on any representations or warranties not specifically set forth herein and that no such representations or warranties have formed the basis of its bargain hereunder.

7.3 Force Majeure, Liability and Indemnification.

7.3.1 Force Majeure. Neither System Operator, Interconnecting Transmission Owner nor an Interconnection Customer will be considered in default as to any obligation under this Agreement if prevented from fulfilling the obligation due to an event of Force Majeure; provided that no event of Force Majeure affecting any entity shall excuse that entity from making any payment that it is obligated to make hereunder. However, an entity whose performance under this Agreement is hindered by an event of Force Majeure shall make all reasonable efforts to perform its obligations under this Agreement, and shall promptly notify the System Operator, the Interconnecting Transmission Owner or the Interconnection Customer, whichever is appropriate, of the commencement and end of each event of Force Majeure.

7.3.2 Liability. System Operator shall not be liable for money damages or other compensation to the Interconnection Customer for action or omissions by System Operator in performing its obligations under this Agreement, except to the extent such act or omission by System Operator is found to result from its gross negligence or willful misconduct. Interconnecting Transmission Owner shall not be liable for money damages or other compensation to the Interconnection Customer for action or omissions by Interconnecting Transmission Owner in performing its obligations under this Agreement, except to the extent such act or omission by Interconnecting Transmission Owner is found to result from its gross negligence or willful misconduct. To the extent the Interconnection

Customer has claims against System Operator or Interconnecting Transmission Owner, the Interconnection Customer may only look to the assets of System Operator or Interconnecting Transmission Owner (as the case may be) for the enforcement of such claims and may not seek to enforce any claims against the directors, members, shareholders, officers, employees or agents of System Operator or Interconnecting Transmission Owner or Affiliate of either who, the Interconnection Customer acknowledges and agrees, have no personal or other liability for obligations of System Operator or Interconnecting Transmission Owner by reason of their status as directors, members, shareholders, officers, employees or agents of System Operator or Interconnecting Transmission Owner or Affiliate of either. In no event shall System Operator, an Interconnecting Transmission Owner or any Interconnection Customer be liable for any incidental, consequential, multiple or punitive damages, loss of revenues or profits, attorneys fees or costs arising out of, or connected in any way with the performance or non-performance under this Agreement. Notwithstanding the foregoing, nothing in this section shall diminish an Interconnection Customer's obligations under the Indemnification section below.

- 7.3.3 Indemnification. Interconnection Customer shall at all times indemnify, defend, and save harmless System Operator and the Interconnecting Transmission Owners and their respective directors, officers, members, employees and agents from any and all damages, losses, claims and liabilities ("Losses") by or to third parties arising out of or resulting from the performance by System Operator or Interconnecting Transmission Owner under this Agreement, any bankruptcy filings made by the Interconnection Customer, or the actions or omissions of the Interconnection Customer in connection with this Agreement, except in the case of System Operator, to the extent such Losses arise from the gross negligence or willful misconduct by System Operator or its directors, officers, members, employees or agents, and, in the case of Interconnecting Transmission Owner, to the extent such Losses arise from the gross negligence or willful misconduct by Interconnecting Transmission Owner or its directors, officers, members,



employees or agents. The amount of any indemnity payment hereunder shall be reduced (including, without limitation, retroactively) by any insurance proceeds or other amounts actually recovered by the indemnified party in respect of the indemnified action, claim, demand, cost, damage or liability. The obligations of Interconnection Customer to indemnify System Operator and Interconnecting Transmission Owners shall be several, and not joint or joint and several. The liability provisions of the Transmission Operating Agreement or other applicable operating agreements shall apply to the relationship between the System Operator and the Interconnecting Transmission Owner.

- 7.4 Third-Party Beneficiaries. Without limitation of Sections 7.2 and 7.3 of this Agreement, the Parties agree that subcontractor consultants hired by them to conduct, participate in, or review, or to assist in the conducting, participating in, or reviewing of, an Interconnection System Impact Study shall be deemed third party beneficiaries of Sections 7.2 and 7.3.
- 7.5 Term and Termination. This Agreement shall be effective from the date hereof and unless earlier terminated in accordance with this Section 7.5, shall continue in effect for a term of one year or until the Interconnection System Impact Study is completed. This Agreement shall automatically terminate upon the withdrawal of Interconnection Request under Section 3.6 of the LGIP. The System Operator or the Interconnecting Transmission Owner may terminate this Agreement fifteen (15) days after providing written notice to the Interconnection Customer that it has breached one of its obligations hereunder, if the breach has not been cured within such fifteen (15) day period.
- 7.6 Governing Law. This Agreement shall be governed by and construed in accordance with the laws of the state where the Point of Interconnection is located without regard to any choice of laws provisions.
- 7.7 Severability. In the event that any part of this Agreement is deemed as a matter of law to be unenforceable or null and void, such unenforceable or void part shall be deemed

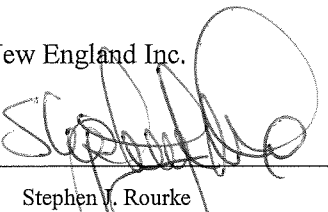
severable from this Agreement and the Agreement shall continue in full force and effect as if each part was not contained herein.

- 7.8 Counterparts. This Agreement may be executed in counterparts, and each counterpart shall have the same force and effect as the original instrument.
- 7.9 Amendment. No amendment, modification or waiver of any term hereof shall be effective unless set forth in writing and signed by the Parties hereto.
- 7.10 Survival. All warranties, limitations of liability and confidentiality provisions provided herein shall survive the expiration or termination hereof.
- 7.11 Independent Contractor. Each of the Parties shall at all times be deemed to be an independent contractor of the other Parties, and none of its employees or the employees of its subcontractors shall be considered to be employees of the other Parties as a result of this Agreement.
- 7.12 No Implied Waivers. The failure of a Party to insist upon or enforce strict performance of any of the provisions of this Agreement shall not be construed as a waiver or relinquishment to any extent of such Party's right to insist or rely on any such provision, rights and remedies in that or any other instance; rather, the same shall be and remain in full force and effect.
- 7.13 Successors and Assigns. This Agreement may not be assigned, by operation of law or otherwise, without the prior written consent of the other Parties hereto, such consent not to be unreasonably withheld. Notwithstanding the foregoing, this Agreement, and each and every term and condition hereof, shall be binding upon and inure to the benefit of the Parties hereto and their respective successors and assigns, to the extent the same are authorized hereunder.

7.14 Due Authorization. Each Party to this Agreement represents and warrants that it has full power and authority to enter into this Agreement and to perform its obligations hereunder, that execution of this Agreement will not violate any other agreement with a third party, and that the person signing this Agreement on its behalf has been properly authorized and empowered to enter into this Agreement.

IN WITNESS THEREOF, the Parties have caused this Agreement to be duly executed by their duly authorized officers or agents on the day and year first above written.

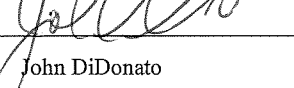
ISO New England Inc.

By:   
Stephen J. Rourke  
Title: Vice President, System Planning  
Date: 4/30/2019

New England Power Company dba National Grid

By: \_\_\_\_\_  
Kathryn Cox-Arslan  
Title: Director, Commercial Services  
Date: \_\_\_\_\_

Chinook Solar, LLC

By:   
John DiDonato  
Title: Vice President  
Date: 4-24-19

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ISO New England Inc.

New England Power Company dba National Grid

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

Stephen J. Rourke

Title: Vice President, System Planning

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

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

Kathryn Cox-Arslan

Title: Director, Commercial Services

Date: April 30, 2019

Chinook Solar, LLC

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

John DiDonato

Title: Vice President

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

Attachment A  
To Appendix 3  
Interconnection System Impact  
Study Agreement

**ASSUMPTIONS USED IN CONDUCTING THE  
INTERCONNECTION SYSTEM IMPACT STUDY**

The Interconnection System Impact Study will be based upon the results of the Interconnection Feasibility Study, whether performed separately or as part of the Interconnection System Impact Study, subject to any modifications in accordance with Section 4.4 of the LGIP, and the following assumptions:

Designation of Point of Interconnection and configuration to be studied.

Point of Interconnection - NGRID 115 kV Line I-135 between Fitzwilliam Substation and Flagg Pond Substation

Configuration - The Project consists of interconnecting a 30 MW Solar PV Project with 14 TMEIC 2.7 MVA inverters, each with a 2.75 MVA padmount GSU, at NGRID 115 kV Line I-135 between Fitzwilliam Substation and Flagg Pond Substation.

Expected In-Service Date - May 1, 2020

There is to be consideration of direct dependencies ahead of QP754, with an assumption that the studies of these projects move forward without any major issues or delays.