



## Simplified Process Interconnection Application Instructions

### General Information

If you wish to submit an application to interconnect your generating Facility using the Simplified Process (10KW or less 1-Phase or up to 25 kW 3-Phase, inverter-based, IEEE 1547 / UL1741-listed) please fill out the attached application form down to the space for your signature. Once complete, please sign and attach any documentation provided by the generator manufacturer describing the IEEE 1547 / UL1741 listing for the generator. The process is as follows:

1. Application process:
  - a. Interconnecting Customer submits a Simplified Application filled out properly and completely.
  - b. The electric utility Company acknowledges to the Interconnecting Customer receipt of the application within three business days of receipt.
  - c. Company evaluates the application for completeness and notifies the Interconnecting Customer within 10 days of receipt that the application is or is not complete and, if not, advises what is missing.
2. Company verifies Facility equipment can be interconnected safely and reliably. Company signs application approval line and sends to Customer. In certain rare circumstances, the Company may require the Interconnecting Customer to pay for minor System Modifications, if so, an estimate will be sent back with the approved application requiring the Interconnecting Customer's consent to pay for the modifications.
3. After installation, customer returns Certificate of Completion. Prior to parallel operation Company may inspect Facility for compliance with standards which may include a witness test, and schedules appropriate metering replacement, if necessary.

Company notifies Interconnecting Customer in writing that interconnection of the Facility is authorized. If the witness test is not satisfactory, the Company has the right to disconnect the Facility. The Interconnecting Customer has no right to operate in parallel until a witness test has been performed or previously waived on the Application Form. The Company is obligated to complete this witness test within 10 days of the receipt of the Certificate of Completion. If the Company does not inspect in 10 days or by mutual agreement of the Parties, the Witness Test is deemed waived.

**Contact Information:** You must provide the contact information for the legal applicant (i.e. the Interconnecting Customer). If another party is responsible for interfacing with the Company (utility), you should provide his/her/its contact information as well.

**Ownership Information:** Please enter the legal names of the owner or owners of the Facility. Include the percentage ownership (if any) by any Company or public utility holding company, or by any entity owned by either.



## **Simplified Process - Interconnection Application Instructions, cont'd**

**Confidentiality Statement:** In an ongoing effort to improve the interconnection process for Interconnecting Customers, the information you provide and the results of the application process will be aggregated with the information of other applicants and periodically reviewed by a DG Collaborative of industry participants that has been organized by the Massachusetts Department of Telecommunications and Energy (DTE). The aggregation process mixes the data together so that specific details for one Interconnecting Customer are not revealed. In addition to this process, you may choose to allow the information specific to your application to be shared with the Collaborative by answering “Yes” to the Confidentiality Statement question on the first page. Please note that even in this case your identification information (contact data) and specific Facility location will not be shared.

**Facility Information - UL1741 Listed?** This standard (“Inverters, Converters, and Controllers for Use in Independent Power Systems”) addresses the electrical interconnection design of various forms of generating equipment. Many manufacturers choose to submit their equipment to a Nationally Recognized Testing Laboratory (NRTL) that verifies compliance with UL1741. This “listing” is then marked on the equipment and supporting documentation.

**DEP Air Quality Permit Needed?** A Facility may be considered a point source of emissions of concern by the Massachusetts Department of Environmental Protection (DEP). Therefore, when submitting this application, please indicate whether the proposed Facility will require an Air Quality Permit. You must answer these questions, however, your specific answers will not affect whether your application is deemed complete. Please contact the DEP to determine whether the generating technology planned for your Facility qualifies for a DEP waiver or requires a permit.



## Simplified Interconnection Application and Service Agreement

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

### Contact Information

Legal Name and address of Interconnecting Customer applicant (or, if an Individual, Individual's Name)

Company Name: \_\_\_\_\_ Contact Person: \_\_\_\_\_

Mailing Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone (Daytime): \_\_\_\_\_ (Evening): \_\_\_\_\_

Facsimile Number: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

### Alternative Contact Information (if different from Applicant)

Name: \_\_\_\_\_ Mailing Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_

Zip Code: \_\_\_\_\_ Telephone (Daytime): \_\_\_\_\_ (Evening): \_\_\_\_\_ Facsimile Number: \_\_\_\_\_

E-Mail Address: \_\_\_\_\_ Ownership (include % ownership by any electric utility): \_\_\_\_\_

**Confidentiality Statement:** "I agree to allow information regarding the processing of my application (without my name and address) to be reviewed by the Massachusetts DG Collaborative that is exploring ways to further expedite future interconnections." Yes \_\_\_\_\_ No \_\_\_\_\_

### Facility Information

Location (if different from above): \_\_\_\_\_ Electric Service Company: \_\_\_\_\_

Account Number: \_\_\_\_\_ Inverter Manufacturer: \_\_\_\_\_ Model: \_\_\_\_\_

Nameplate Rating: \_\_\_\_\_ (KW) \_\_\_\_\_ (kVA) \_\_\_\_\_ (AC Volts) Single \_\_\_ or Three \_\_\_ Phase

System Design Capacity: \_\_\_\_\_ (KW) \_\_\_\_\_ (kVA)

Prime Mover: Photovoltaic  Reciprocating Engine  Fuel Cell  Turbine  Other: \_\_\_\_\_

Energy Source: Solar  Wind  Hydro  Diesel  Natural Gas  Fuel Oil  Other: \_\_\_\_\_

**IEEE 1547.1 (UL 1741) Listed** Yes \_\_\_\_\_ No \_\_\_\_\_ **Need an air quality permit from DEP?** Yes \_\_\_\_\_ No \_\_\_\_\_

**Estimated Install Date:** \_\_\_\_\_ **Est. In-Service Date:** \_\_\_\_\_

**Is there other electrical work being done in the facility?** Yes \_\_\_ No \_\_\_

### Customer Signature

I hereby certify that, to the best of my knowledge, all of the information provided in this application is true and I agree to the Terms and Conditions on the following page:

Interconnecting Customer Signature: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

**Please attach any documentation provided by the inverter manufacturer describing the inverter's UL 1741 listing.**

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### Approval to Install Facility (For Company use only)

Installation of the Facility is approved contingent upon the terms and conditions of this Agreement, and agreement to any system modifications, if required. Are system modifications required? Yes \_\_\_\_\_ No \_\_\_\_\_

Application ID number: \_\_\_\_\_ Company waives inspection/witness test? Yes \_\_\_\_\_ No \_\_\_\_\_



## **TERMS AND CONDITIONS FOR SIMPLIFIED INTERCONNECTIONS**

1. Construction of the Facility. The Interconnecting Customer may proceed to construct the Facility once the Approval to Install the Facility has been signed by the Company.
2. Interconnection and operation. The Interconnecting Customer may operate Facility and interconnect with the Company's system once the following has occurred:
  - 2.1. Municipal Inspection: Upon completing construction, the Interconnecting Customer will cause the Facility to be inspected or otherwise certified by the local electrical wiring inspector with jurisdiction.
  - 2.2. Certificate of Completion: The Interconnecting Customer returns the Certificate of Completion appearing as Attachment 2 to the Agreement to the Company at address noted.
  - 2.3. Company has completed or waived the right to inspection.
3. Company Right of Inspection. Within ten (10) business days after receipt of the Certificate of Completion, the Company may, upon reasonable notice and at a mutually convenient time, conduct an inspection of the Facility to ensure that all equipment has been appropriately installed and that all electrical connections have been made in accordance with the Tariff. The Company has the right to disconnect the Facility in the event of improper installation or failure to return Certificate of Completion. If the Company does not inspect in 10 days or by mutual agreement of the Parties, the Witness Test is deemed waived.
4. Safe Operations and Maintenance. The Interconnecting Customer shall be fully responsible to operate, maintain, and repair the Facility.
5. Access. The Company shall have access to the disconnect switch (if required) of the Facility at all times.
6. Disconnection. The Company may temporarily disconnect the Facility to facilitate planned or emergency Company work.
7. Metering and Billing. All Facilities approved under this Agreement qualify for net metering, as approved by the Department from time to time, and the following is necessary to implement the net metering provisions:
  - 7.1. Interconnecting Customer Provides Meter Socket. The Interconnecting Customer shall furnish and install, if not already in place, the necessary meter socket and wiring in accordance with accepted electrical standards.
  - 7.2. Company Installs Meter. The Company shall furnish and install a meter capable of net metering within ten (10) business days after receipt of the Certificate of Completion if inspection is waived, or within 10 business days after the inspection is completed, if such meter is not already in place.

8. Indemnification. Interconnecting Customer and Company shall each indemnify, defend and hold the other, its directors, officers, employees and agents (including, but not limited to, Affiliates and contractors and their employees), harmless from and against all liabilities, damages, losses, penalties, claims, demands, suits and proceedings of any nature whatsoever for personal injury (including death) or property damages to unaffiliated third parties that arise out of, or are in any manner connected with, the performance of this Agreement by that party, except to the extent that such injury or damages to unaffiliated third parties may be attributable to the negligence or willful misconduct of the party seeking indemnification.
9. Limitation of Liability. Each party's liability to the other party for any loss, cost, claim, injury, liability, or expense, including reasonable attorney's fees, relating to or arising from any act or omission in its performance of this Agreement, shall be limited to the amount of direct damage actually incurred. In no event shall either party be liable to the other party for any indirect, incidental, special, consequential, or punitive damages of any kind whatsoever.
10. Termination. This Agreement may be terminated under the following conditions:
  - 10.1. By Mutual Agreement. The Parties agree in writing to terminate the Agreement.
  - 10.2. By Interconnecting Customer. The Interconnecting Customer may terminate this Agreement by providing written notice to Company.
  - 10.3. By the Company. The Company may terminate this Agreement (1) if the Facility fails to operate for any consecutive 12 month period, or (2) in the event that the Facility impairs the operation of the electric distribution system or service to other customers or materially impairs the local circuit and the Interconnecting Customer does not cure the impairment.
11. Assignment/Transfer of Ownership of the Facility: This Agreement shall survive the transfer of ownership of the Facility to a new owner when the new owner agrees in writing to comply with the terms of this Agreement and so notifies the Company.
12. Interconnection Tariff: These Terms and Conditions are pursuant to the Company's Tariff for the Interconnection of Interconnecting Customer-Owned Generating Facilities, as approved by the Department of Telecommunications and Energy and as the same may be amended from time to time ("Interconnection Tariff"). All defined terms set forth in these Terms and Conditions are as defined in the Interconnection Tariff (see Company's website for complete tariff).



ATTACHMENT 2

CERTIFICATE OF COMPLETION
SIMPLIFIED PROCESS INTERCONNECTION

Installation Information

Check if owner-installed

Interconnecting Customer: Contact Person:

Mailing Address:

Location of Facility (if different from above):

City: State: Zip Code:

Telephone (Daytime): (Evening):

Facsimile Number: E-Mail Address:

Electrician:

Name:

Mailing Address:

City: State: Zip Code:

Telephone (Daytime): (Evening):

Facsimile Number: E-Mail Address:

License number:

Date Approval of Install Facility granted by the Company:

Application ID number:

Inspection:

The system has been installed and inspected in compliance with the local Building/Electrical Code of

(City/County)

Signed:

Local Electrical Wiring Inspector, or attach signed electrical inspection

Name (printed): Date:

As a condition of interconnection you are required to send/fax a copy of this form along with a copy of the signed electrical permit to the following person at NSTAR Electric:

Name: Joe Feraci
Company: NSTAR Electric
Mail 1: One NSTAR Way
Mail 2: Mailstop: SW360
City, State ZIP: Westwood, MA 02090



*Fax No.:* 781-441-8721