

GRANITE STATE ELECTRIC COMPANY
INTERCONNECTION STANDARDS PROVISION
FOR INVERTERS SIZED UP TO 100 KVA

Exhibit A – Simplified Process Interconnection Application
Instructions *(please do not submit this page)*

General Information: If you, the Interconnecting Customer, wish to submit an application to interconnect your generating Facility using the Simplified Process (reference Section 3.1 of the Interconnection Standard for eligibility) please fill out the attached application form completely (not including this page of instructions), including your signature in the space provided. Interconnections that may be eligible for this Simplified Process include UL 1741-Listed inverter-based Facilities that are either (1) connecting to radial electric power systems with power ratings of ≤ 100 kVA, or (2) connecting to spot network electric power systems with power ratings of ≤ 10 kVA single-phase. Please attach any documentation provided by the inverter manufacturer concerning the UL 1741. Facilities larger than 10 kVA will be required to install a fully rated lockable switch near the service entrance for use by utility personnel.

Mail all material to:

National Grid
Attn: Distributed Generation (Alex Kuriakose)
40 Sylvan Rd (E1.553)
Waltham, MA 02451-1120

or e-mail to Distributed.Generation@us.ngrid.com
or fax to 781-907-5705 (attn: Alex Kuriakose)

The Simplified Process is as follows:

1. Application process:
 - a. Interconnecting Customer submits a Simplified Application filled out properly and completely.
 - b. Company evaluates the application for completeness and notifies the Interconnecting Customer within 10 business 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.
3. If approved, the Company signs the application and returns a copy to the Interconnecting Customer.
4. Upon receipt of the signed application, the Interconnecting Customer installs the Facility. Then the Interconnecting Customer arranges for inspection of the completed installation by the local electrical wiring inspector, or other authority having jurisdiction, and this person signs the Certificate of Completion. If the Facility was installed by an electrical contractor, this person also fills out the Certificate of Completion.
5. In certain circumstances, the Company will require the Interconnecting Customer to pay for System Modifications. If so, a description of work and an estimate will be sent back to the Interconnecting Customer for approval. The Interconnecting Customer would then approve via a signature and payment for the System Modifications. If the Interconnecting Customer approves, the Company performs the System Modifications. Then, the Company signs the application and sends the approved application back to the Interconnecting Customer.
6. The Interconnecting Customer returns the Certificate of Completion to the Company.
7. Following receipt of the Certificate of Completion, the Company may inspect the Facility for compliance with standards by arranging for a Witness Test. Except for a short test by the installer to confirm the system works properly, the Interconnecting Customer has no right to operate in parallel (interconnect) until a Witness Test has been performed or has been previously waived by the Company on the Application Form. The Company is will make every attempt to complete this Witness Test within 10 business days of its receipt of the Certificate of Completion. All projects larger than 10 kVA will need to be witness tested, unless waived by the Company.
8. Assuming the wiring inspection and/or Witness Test is satisfactory, the Company notifies the Interconnecting Customer in writing that interconnection is authorized. If the Witness Test is not satisfactory, the Company has the right to disconnect the Facility, and will provide information to the Interconnecting Customer describing clearly what is required for approval.

Contact Information: You must provide the contact information for the legal applicant (i.e. the Interconnecting Customer). If other parties are responsible for interfacing with the Company, you should provide their contact information as well.

Ownership Information: Please enter the legal names of the owner or owners of the Facility.

Generating Facility Information: Please consult an actual electric bill from the Electric Service Company and enter the correct Account Number and meter number on this application. If the facility is to be installed in a new location, a temporary number may be assigned by the Electric Company.

Confidentiality: Information on this form will be shared with the Commission and other State Agencies as required.

UL 1741 Listed? The standard UL 1741.1 dated May, 2007 or later, “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 UL 1741.1. This term “Listed” is then marked on the equipment and supporting documentation.

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Simplified Process Interconnection Application and Service Agreement

Contact Information: Date Prepared: _____

Legal Name and address of Interconnecting Customer (or, Company name, if appropriate)

Customer or Company Name (print): _____ Contact Person, if Company: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Telephone (Daytime): _____ (Evening): _____

Facsimile Number: _____ E-Mail Address: _____

Alternative Contact Information (e.g., system installation contractor or coordinating company, if appropriate):

Name: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Telephone (Daytime): _____ (Evening): _____

Facsimile Number: _____ E-Mail Address: _____

Electrical Contractor Contact Information (if appropriate):

Name: _____ Telephone: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Facility Information:

Address of Facility: _____

City: _____ State: _____ Zip Code: _____

Electric Service Company: _____ Account Number: _____ Meter Number: _____

Inverter Manufacturer: _____ Model Name and Number: _____ Quantity: _____

Nameplate Rating: _____ (kW) _____ (kVA) _____ (AC Volts) Single ___ or Three ___ Phase

System Design Capacity: _____ (kVA) _____ (kVA)

Net Metering: If Renewably Fueled, will the account be Net Metered? Yes _____ No _____

Prime Mover: Photovoltaic Reciprocating Engine Fuel Cell Turbine Other _____

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

UL 1741.1 (IEEE 1547.1) Listed? Yes _____ No _____

Estimated Install Date: _____ Estimated In-Service Date: _____

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.

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 ___ To be Determined ___):

Company Signature: _____ Title: _____ Date: _____

Company waives inspection/Witness Test? Yes ___ No ___

Terms and Conditions for Simplified Process Interconnections

1. **Construction of the Facility.** The Interconnecting Customer may proceed to construct the Facility in compliance with the specifications of its Application 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 all of 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 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.** The Company will make every attempt within ten (10) business days after receipt of the Certificate of Completion, and 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 Interconnection Standard. The Company has the right to disconnect the Facility in the event of improper installation or failure to return Certificate of Completion. All projects larger than 10 kVA will be witness tested, unless waived by the Company.
4. **Safe Operations and Maintenance.** The Interconnecting Customer shall be fully responsible to operate, maintain, and repair the Facility.
5. **Disconnection.** The Company may temporarily disconnect the Facility to facilitate planned or emergency Company work.
6. **Metering and Billing.** All renewable Facilities approved under this Agreement that qualify for net metering, as approved by the Commission from time to time, and the following is necessary to implement the net metering provisions:
 - 6.1. **Interconnecting Customer Provides:** The Interconnecting Customer shall furnish and install, if not already in place, the necessary meter socket and wiring in accordance with accepted electrical standards. In some cases the Interconnecting Customer may be required to install a separate telephone line.
 - 6.2. **Company Installs Meter.** The Company will make every attempt to 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.
7. **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.
8. **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.
9. **Termination.** This Agreement may be terminated under the following conditions:
 - 9.1. **By Mutual Agreement.** The Parties agree in writing to terminate the Agreement.
 - 9.2. **By Interconnecting Customer.** The Interconnecting Customer may terminate this Agreement by providing written notice to Company.
 - 9.3. **By 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 or, in the good faith judgment of the Company, may imminently impair 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.
10. **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.
11. **Interconnection Standard.** These Terms and Conditions are pursuant to the Company's "Interconnection Standards for Inverters Sized Up to 100 kVA" for the Interconnection of Customer-Owned Generating Facilities, as approved by the Commission and as the same may be amended from time to time ("Interconnection Standard"). All defined terms set forth in these Terms and Conditions are as defined in the Interconnection Standard (see Company's website for the complete document).

Exhibit B - Certificate of Completion for Simplified Process Interconnections

Installation Information: Check if owner-installed

Customer or Company Name (print): _____ Contact Person, if Company: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Telephone (Daytime): _____ (Evening): _____

Facsimile Number: _____ E-Mail Address: _____

Address of Facility (if different from above): _____

City: _____ State: _____ Zip Code: _____

Electrical Contractor's Name (if appropriate): _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Telephone (Daytime): _____ (Evening): _____

Facsimile Number: _____ E-Mail Address: _____

License number: _____

Date of approval to 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 to (insert Company's name below):

Name: Alex Kuriakose
Company: National Grid
Mail 1: Attn: Distributed Generation
Mail 2: 40 Sylvan Rd (E1.553)
City, State ZIP: Waltham, MA 02451-1120
Fax No.: 781-907-5705
e-mail: Distributed.Generation@us.ngrid.com