

January 15, 2015

BY HAND DELIVERY AND ELECTRONIC MAIL

Luly E. Massaro, Commission Clerk Rhode Island Public Utilities Commission 89 Jefferson Boulevard Warwick, RI 02888

RE: Docket 4483 – In Re: Petition of Wind Energy Development, LLC and ACP Land, LLC Relating to Interconnection

Dear Ms. Massaro:

On behalf of National Grid¹, I have attached clean and redlined versions of the Company's Distributed Generation (DG) Interconnection Tariff (R.I.P.U.C. No. 2078) (DG Tariff), in compliance with the Rhode Island Public Utilities Commission's (PUC) November 12, 2014 interim order (Interim Order) (item 4), which states that:

National Grid will convene a working group of parties interested in providing input into possible revisions to the Distributed Generation Interconnection Tariff (R.I.P.U.C. No. 2078). By December 1, 2014, the Company will file proposed tariff revisions resulting from the working group, including an explanation of any unresolved issues. The proposed revisions may also include recent changes to ISO-NE rules or operating procedures and the Renewable Energy Growth law.

To date, National Grid has solicited feedback from interested stakeholders concerning the DG Tariff at two DG Seminars, three workshops, and one webinar. Specifically, on April 3, 2014 and November 18, 2014, National Grid held two public DG Seminars, during which the Company provided members of the public with background information concerning the Company's DG interconnection policies and procedures. During these seminars, National Grid solicited feedback from stakeholders concerning proposed revisions to the DG Tariff. National Grid received little to no feedback concerning proposed changes to the DG Tariff at these seminars.

After the PUC issued the Interim Order on November 12, 2014, National Grid held a three-hour DG Tariff workshop on November 24, 2014 that was solely focused on current and proposed revisions to the DG Tariff. Eight members from the public, including counsel for Wind Energy Development LLC and ACP Land, LLC, attended the workshop. During the workshop, National

The Narragansett Electric Company d/b/a National Grid (National Grid or Company).

The PUC granted the Company's Motion for an Extension of Time (45 days) to submit its proposed tariff revisions.

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Grid discussed its current proposed revisions to the DG Tariff with workshop attendees and considered comments from the workshop attendees concerning modifications they would like to see in the DG Tariff. The Company conducted additional workshops on December 12, 2014, and January 6, 2015. There were 17 attendees at the December 12 workshop and 10 attendees at the January 6 workshop. On January 13, 2015, the Company held a webinar and received additional suggestions regarding modifications to the DG Tariff. There were four attendees at the webinar. Members of Commerce RI and the Rhode Island Office of Energy Resources, along with solar developers Newport Solar, RGC Energy, Megawatt Energy Solutions, Nexamp, KJA Developers, ISM Solar, Tecta Solar, E2Solutions, were among the workshop and webinar attendees.

Based on the feedback provided by developers and other stakeholders at the Company's DG seminars, workshops, and webinar, the Company is filing the following revisions³ to the DG Tariff:

Section 1.2 (Definitions)

- "Impact Study": revised definition to note the time during which the Company's cost estimate for proposed System Modifications would be valid to mirror existing Company policy relative to estimates given for any sort of customer-driven work (i.e. new service for a business, relocation of Company equipment, etc.).
- "Impact Study for Renewable DG (ISRDG): edited for grammar.
- "Interconnection Service Agreement": memorialized term.
- "System Improvement": added definition to distinguish investments to the Company's electric power system that are distinct from those necessary to interconnect a particular distributed generation facility.

Section 2.0 (Basic Understandings)

• Reference to "Detailed Study" on Sheet 9 removed because the reference is best explained in Section 3.3.

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The Company is aware that several provisions the DG Tariff, which were originally developed on a collaborative basis with DG stakeholders in both Rhode Island and Massachusetts, may benefit from further clarification. The Company's Massachusetts affiliate has worked with DG stakeholders in Massachusetts and the Massachusetts Department of Energy Resources to offer such clarifications to the Massachusetts DG Tariff, which are pending approval before the Massachusetts Department of Public Utilities. That process has taken well over one year, and the "clean-up" language has not yet been approved. Accordingly, the Company is not yet proposing similar revisions to those offered in Massachusetts in this filing. However, once such language has been approved in Massachusetts, the Company will review the Rhode Island DG Tariff and may offer similar clarification language in Rhode Island at a future date.

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Added language on Sheet 10 to note that facilities larger than 3 MWs (nameplate capacity), or those that require substation upgrades may be subject to special interconnection requirements and may require timelines for studies to be conducted on a mutually agreed upon basis versus the timelines noted in Section 3. Upgrades that involved work at Company substations is more complicated and difficult to study within the existing timeframes.

Section 3.0 (Process Overview)

- Added language on Sheet 10 to clarify the applicability of time frames included in the DG Tariff.
- Added language on Sheet 10 in Section 3.0 (4) clarifying that process overview in Section 3.0 associated with Customers requesting an ISRDG is related to renewable Facilities.
- Added language on Sheet 11 noting that, for those projects where a Renewable Interconnecting Customer requests either a Feasibility or an ISRDG study, they will pay the Feasibility Study Fee in lieu of the Application Fee.

Section 3.1 (Simplified Process)

- Revised and added language on Sheet 11 regarding the qualification criteria for the Simplified interconnection process to allow larger projects (increase current limit of 10 kWs single phase to 15 kWs single phase to use this process.
- Revised language on Sheets 12-13 regarding the Simplified application process and screening process. These changes reflect the Company's intention to keep Simplified projects within the Simplified process even though System Modifications would be required. These changes also clarify the procedure if System Modifications were to occur.

Section 3.2 (Pre-Application Reports) (Sheets 13-14)

 Added Section 3.2 regarding use of Pre-Application Reports to facilitate interconnection study process. This report provides valuable information to prospective customers regarding the 'condition' of the electric distribution system in the location for proposed DG and enables customers to better understand the impact of their proposed project. Luly Massaro, Commission Clerk DG Tariff Revisions January 15, 2015 Page 4 of 8

Section 3.3 (Expedited Process) (Sheets 14-16)

• Revised language regarding the Expedited application process and screening process to clarify that projects that are in the Expedited process are not always required to pay for an Impact Study for Distributed Renewable Generation.

Section 3.4 (Standard Process) (Sheets 16-18)

Revised language regarding the Standard application process and study process.
 Language includes possible effect on timelines associated with potential applicability of ISO-NE Operating Procedure 14 to a project. OP14 affects all projects that in aggregate with other nearby DG that are greater than or equal to 5 MWs.

Section 3.5 (Time Frames) (Sheet 19)

Clarified language noting that, in the event that the Customer cannot provide
evidence that an issue beyond a customer's control is impeding the construction
process, (i.e. the project's permitting has been appealed or other reasons beyond the
Interconnecting Customer's control), the Company reserves the right to require an
additional study or require the Customer to reapply for interconnection if
construction has not been initiated within twelve (12) months of signing an
Interconnection Service Agreement.

Section 3.6 (Fee Schedules)

- Updated terms in Figure 1 (Sheet 20) to reflect revisions to Simplified Process applicability noted in Section 3.1. Specifically allowing projects to pass screen #2 if the DG capacity is less than 15% of the feeder peak load versus the original screen of 7.5% of feeder peak load. This will allow many more projects to be interconnected faster.
- Revised Note 2 on Sheet 22 regarding eligibility for the Simplified Process because it is redundant with Section 3.1.
- Revised Table 1 (Sheet 25) and Table 2 (Sheet 26) clarifying fee schedules for Standard applications.
- Revised Explanatory Notes Accompanying Tables 1 and 2 (Sheet 27).

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Section 4.1.5 (Machine Reactive Capability) (Sheet 30)

• Clarified that reactive capability requirements shall be reviewed as part of the Impact Study and Detailed Study (vs. the term Facilities Study because it does not exist in the tariff).

Section 4.2.1 (General Requirements) (Sheet 30)

• Added language noting that, in the event that the IEEE or UL Standards conflict with the Company-specific Energy Service Bulletin (ESB) 756, the Company-specific ESB 756 controls and shall be followed. In addition, removed language that referenced a specific IEEE standard.

Section 4.2.3 (Protective Requirements) (Sheets 31-35)

• Removed excerpt from IEEE Standard 1547-2003 and updated protection requirements. Because IEEE Standard 1547is protected by copyright law, it's inclusion in the tariff could be construed as out of compliance with the requirements. Moreover, since this standard is updated regularly, the reference to the 2003 version is not accurate.

Section 4.2.3.2.2 (Requirements for Induction and Synchronous Generator Facilities) (Sheets 36-37)

• Updated references to IEEE Standard 1547.

Section 4.2.4 (Protection System Testing and Maintenance) (Sheet 39)

• Removed reference to certain tests from the Company's typical tests required for protection system testing because the language was redundant.

Section 4.2.6 (Protection System Changes) (Sheet 40)

• Clarified process for protection system changes to include the requirement for the Company to review and approve any proposed changes.

Section 5.2 (Interconnection Equipment Costs) (Sheet 41)

• Revised language regarding responsibility of costs associated with the installation and construction of a Facility to reflect Company-driven System Improvement.

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Section 5.3 (System Modification Costs) (Sheet 41)

 Clarified provisions governing system modification costs and included language regarding potential refunds if a future customer can take advantage of a System Modification paid for by an existing customer.

Section 5.5 (Normal Payment Procedure) (Sheet 42)

• Added provision noting that the Company will not be required to initiate any work for which it has not been reimbursed.

Section 6.3 (Safe Operation and Maintenance) (Sheet 43)

• Corrected "Agreement" reference to "Interconnection Tariff."

Section 8.1 (Metering, Related Equipment and Billing Options (Sheets 46 and 48)

- Added provision noting that all metering must meet the requirements contained in the Company's Electric Service Bulletin (ESB).
- Added language concerning metering requirements for customers who enroll in the Renewable Energy Growth (REG) program.
- Clarified provisions governing metering and consistency with NEPOOL and Company standards.

Section 9.2 (Mediation/Non-binding Arbitration) (Sheet 49)

• Revised provisions for consistency with Company's May 14, 2014 correspondence to the PUC in this proceeding.

Exhibit A (Sheet 55)

 Added detail related to information required to enroll in REG program for smallscale solar projects.

Exhibit B⁴ (Generating Facility Expedited/Standard Pre-Application Report Form) (Sheet 63-64)

 Added Expedited/Standard Pre-Application Report Form as referenced in Section 3.2.

The addition of Exhibit B required the re-lettering of the subsequent exhibits in the DG Tariff.

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Exhibit C (Expedited/Standard Process Interconnection Application) (Sheet 66, 67)

• Added Jurisdictional Statement and clarifications regarding requested information to assist in Company's FERC compliance requirements.

Exhibit C (Expedited/Standard Process Interconnection Application) (Sheet 69, 70)

• Clarified Generating Facility Technical Detail required for application.

Exhibit C (Expedited/Standard Process Interconnection Application) (Sheet 71)

Clarified Interconnection Equipment Technical Detail required for application.
 Added additional information requirements to try to prevent the need to ask customer for additional information during the study process which interrupts the study.

Exhibit C (Expedited/Standard Process Interconnection Application) (Sheet 73)

• Clarified General Technical Detail required for application.

Exhibit F (Impact Study or ISRDG Agreement) (Sheet 78-79)

- Clarified part 4 of conditions upon which the Company will provide an executable ISA or a cost estimate for known System Modification costs to an Interconnecting Customer.
- Clarified part 5 regarding third-party approvals, if any, of facilities required.
- Revised part 7 regarding Final Accounting procedure.

Exhibit G (Detailed Study Agreement) (Sheet 82)

• Revised part 7 regarding Final Accounting procedure.

Exhibit H (Interconnection Service Agreement (Sheets 85, 90)

- Revised part 7 regarding Final Accounting procedure.
- Corrected grammar in part 18.1.

The following revisions are being proposed pursuant to provisions of the Company's Renewable Energy Growth (REG) program tariffs:

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Section 8.1 (Metering, Related Equipment and Billing Options (Sheet 47)

Added provisions consistent with metering provisions in Section 6 of RIPUC No. 2152.

Exhibit A- Simplified Process Interconnection Application (Sheets 56, 58-59)

• Added eligibility requirements for REG program.

Exhibit C (Expedited/Standard Process Interconnection Application) (Sheet 67-69)

Added checklist of information to determine whether project falls under the REG program.

Thank you for your attention to this matter. If you have any questions, please contact me at 781-907-2121.

Sincerely,

Raquel J. Webster

Docket 4483 Service List cc: Leo Wold, Esq. Steve Scialabba, Division

Certificate of Service

I hereby certify that a copy of the cover letter and any materials accompanying this certificate was electronically transmitted to the individuals listed below.

Copies of this filing are being hand delivered to the Rhode Island Public Utilities Commission and the Rhode Island Division of Public Utilities and Carriers.

Joanne M. Scanlon

January 15, 2015
Date

Docket No. 4483 – Wind Energy Development LLC & ACP Land, LLC – Petition for Dispute Resolution Relating to Interconnection Service List updated 12/1/14

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R.I.P.U.C. No. Canceling R.I.P.U.C. No. 2078

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1.0 Introduction

1.1 Applicability

This document ("Interconnection Tariff") describes the process and requirements for an Interconnecting Customer to connect a power-generating facility to the Company's Electric Power System ("Company EPS"), including discussion of technical and operating requirements, metering and billing options, and other matters.

The procedure for momentary paralleling to the Company EPS with back-up generation is described within Section 4.0 Interconnection Requirements.

If the Facility will always be isolated from the Company's EPS, (<u>i.e.</u>, it will never operate in parallel to the Company's EPS), then this Interconnection Tariff does not apply.

1.2 Definitions

The following words and terms shall be understood to have the following meanings when used in this Interconnection Tariff:

Affected System: Any neighboring EPS not under the control of the Company (<u>i.e.</u>, a municipal electric light company or other regulated utility).

Affiliate: A person or entity controlling, controlled by or under common control with a Party.

Anti-Islanding: Describes the ability of a Facility to avoid unintentional islanding through some form of active control technique.

Application: The notice provided by the Interconnecting Customer to the Company in the form shown in Exhibits A and B, which initiates the interconnection process.

Area EPS: The Company EPS. This term is used in the Institute of Electrical and Electronics Engineers (IEEE) Standard 1547-2003, "IEEE Standard for Interconnecting Distributed Resources with Electric Power Systems" ("IEEE Standard 1547-2003").

Commission: Rhode Island Public Utilities Commission

Company: Narragansett Electric Company d/b/a National Grid

Company EPS: The electric power system owned, controlled or operated by the Company used to provide distribution service to its Customers.

Customer: Company's retail customer; host site or premises, may be the same as Interconnecting Customer or Renewable Interconnecting Customer.

Detailed Study: The final phase of engineering study, if necessary, conducted by the Company to determine substantial System Modifications to its EPS, resulting in project cost estimates for such modifications that will be required to provide the requested interconnection service.

DG: Distributed Generation.

DR: The Facility. This term is used in IEEE Standard 1547-2003.

Expedited Process: As described in Section 3.2, process steps for Listed Facilities from initial application to final written authorization, using a set of technical screens to determine grid impact.

Facility: A source of electricity owned and/or operated by the Interconnecting Customer that is located on the Customer's side of the PCC, and all facilities ancillary and appurtenant thereto, including interconnection equipment, which the Interconnecting Customer requests to interconnect to the Company EPS.

Feasibility Study: A high-level project assessment that includes an estimate of the cost of interconnecting a Renewable Distributed Generation Resource to the distribution system that would be assessed on the applicant for an interconnection. Such estimate is not based on any engineering study, but is based on past experience and judgment of the Company, taking into account the information in the application, the location of the interconnection, and general knowledge of the distribution and transmission system. Such estimate cannot be relied upon the by applicant for the purposes of holding the Company liable or responsible for its accuracy as long as the Company has provided the estimate in good faith. The feasibility study estimate shall be a range within which the Company believes the interconnection costs are likely to be and shall include a disclaimer that explains the nature of the estimate.

FERC: Federal Energy Regulatory Commission.

Good Utility Practice: Any of the practices, methods and acts engaged in or approved by a significant portion of the electric utility 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 be acceptable practices, methods, or acts generally accepted in the region.

Impact Study: The engineering study conducted by the Company under the Standard Process to determine the scope of the required modifications to its EPS and/or the Facility to provide the requested interconnection service. Unless otherwise noted in the Impact Study, the cost estimate provided will be valid for 60 business days from delivery of the study.

Impact Study for Renewable DG (ISRDG): An engineering study conducted by the Company that includes an estimate of the cost of interconnecting a Renewable Distributed Generation Resource to the distribution system that would be assessed on the applicant for an interconnection that is based on an engineering study of the details of the proposed generation project. Such estimate generally will have a probability of accuracy of plus or minus twenty five percent (25%). Such an estimate may be relied upon by the applicant for purposes of determining the expected cost of interconnection, but the Company may not be held liable or responsible if the actual costs exceed the estimate as long as the estimate was provided in good faith and the interconnection was implemented prudently by the Company.

In-Service Date: The date on which the Facility and System Modifications (if applicable) are complete and ready for service, even if the Facility is not placed in service on or by that date.

Interconnecting Customer: Entity that owns and/or operates the Facility interconnected to the Company EPS, with legal authority to enter into agreements regarding the construction or operation of the Facility.¹

Interconnection Service Agreement (ISA): An agreement for interconnection service, the form of which is provided in Exhibit F, between the Interconnecting Customer and the Company. The agreement also includes any amendments or supplements thereto entered into by the Interconnecting Customer and the Company.

Islanding: A situation where electrical power remains in a portion of an electrical power system when the Company's transmission or distribution system has ceased providing power for whatever reason (emergency conditions, maintenance, etc.) Islanding may be intentional, such as when certain segregated loads in a Customer's premises are provided power by a Facility after being isolated from the Company EPS after a power failure. Unintentional Islanding, especially past the PCC, is to be strictly avoided.

ISO-New England, Inc ("ISO-NE"): The Independent System Operator established in accordance with the NEPOOL Agreement and applicable FERC approvals, which is responsible for managing the bulk power generation and transmission systems in New England.

Isolated: The state of operating the Facility when electrically disconnected from the Company EPS on the Interconnecting Customer's side of the PCC.

Local EPS: The customer premises within which are contained the Facility. This term is used in the IEEE Standard 1547-2003.

¹ An entity which owns the Facility interconnected to the Company EPS solely as part of a financing arrangement, which could include the acquisition of the tax credits related to the Facility, but is neither the Customer nor the operator of that Facility, shall not be considered the Interconnecting Customer hereunder.

Listed: A Facility that has successfully passed all pertinent tests to conform with IEEE 1547.1.

Metering Point: For meters that do not use instrument transformers, the point at which the billing meter is connected. For meters that use instrument transformers, the point at which the instrument transformers are connected.

NEPOOL: New England Power Pool.

Net Metering: Customers of the Company who, pursuant to the provisions of the Company's Net Metering Provision, R.I.P.U.C. No. 2075, as amended and superseded from time to time, are eligible to receive Renewable Generation Credits and Excess Renewable Generation Credits, as applicable, as defined in R.I.P.U.C. No. 2075, Section II.

Network Distribution System (Area or Spot): Electrical service from an EPS consisting of one or more primary circuits from one or more substations or transmission supply points arranged such that they collectively feed secondary circuits serving one (a spot network) or more (an area network) Interconnecting Customers.

Non-Islanding: Describes the ability of a Facility to avoid unintentional islanding through the operation of its interconnection equipment.

NPCC: Northeast Power Coordinating Council.

On-Site Generating Facility: A class of Interconnecting Customer-owned generating Facilities with peak capacity as specified in R.I.P.U.C. No. 2074, Qualifying Facilities Power Purchase Rate.

Parallel: The state of operating the Facility when electrically connected to the Company EPS (sometimes known as grid-parallel).

Parties: The Company and the Interconnecting Customer.

Point of Common Coupling (PCC): The point where the Interconnecting Customer's local electric power system connects to the Company EPS, such as the electric power revenue meter or premises service transformer. See the Company for the location at a particular Interconnecting Customer site.

Point of Delivery: A point on the Company EPS where the Interconnecting Customer makes capacity and energy available to the Company. The Point of Delivery shall be specified in the Interconnection Service Agreement.

Point of Receipt: A point on the Company EPS where the Company delivers capacity and energy to the Interconnecting Customer. The Point of Receipt shall be specified in the Interconnection Service Agreement.

Qualifying Facility: A generation Facility that has received certification as a Qualifying Facility from the FERC in accordance with the Federal Power Act, as amended by the Public Utility Regulatory Policies Act of 1978.

Radial Distribution Circuit: Electrical service from an EPS consisting of one primary circuit extending from a single substation or transmission supply point arranged such that the primary circuit serves Interconnecting Customers in a particular local area.

Renewable Distributed Generation Resource: A Facility which is a renewable distributed generation project that, as contemplated, meets the eligibility requirements for net metering contained within R.I.G.L. Title 39 or the eligibility requirements for a standard contract contained within R.I.G.L. Title 39.

Renewable Interconnecting Customer: Entity that owns and/or operates the Renewable Distributed Generation Resource interconnected to the Company EPS, with legal authority to enter into agreements regarding the construction or operation of the Facility

Screen(s): Criteria by which the Company will determine if a proposed Facility's installation will adversely impact the Company EPS in the Simplified and Expedited Processes as set forth in Section 3.0.

Simplified Process: As described in Section 3.1, process steps from initial application to final written authorization for certain inverter-based Facilities of limited scale and minimal apparent grid impact.

Standard Process: As described in Section 3.3, process steps from initial application to final written authorization for Facilities that do not qualify for Simplified or Expedited treatment.

Supplemental Review: Additional engineering study to evaluate the potential impact of the Facility on the Company EPS so as to determine any requirements for processing the application through the Expedited Process.

System Improvement: Economically justified upgrades determined by the Company in the Facility interconnection design phase for capital investments associated with improving the capacity or reliability of the EPS.

System Modification: Modifications or additions to distribution-related Company facilities that are integrated with the Company EPS for the benefit of the Interconnecting Customer.

Unintentional Islanding: A situation where the electrical power from the Facility continues to supply a portion of the Company EPS past the PCC when the Company's transmission or distribution system has ceased providing power for whatever reason (emergency conditions, maintenance, etc.).

Witness Test: The Company's right to witness the commissioning testing. Commissioning testing is defined in IEEE Standard 1547-2003.

1.3 Forms and Agreements

The following documents for the interconnection process are included as Exhibits:

1. Interconnection Service Agreement for Expedited and Standard Process (Exhibit G) referencing Attachments 1 – 6 (Attachments 1 – 5 to be developed and included as appropriate for each specific Interconnection Service Agreement) as follows:

Attachment 1: Definitions (Section 1.2)

Attachment 2: Description of Facilities, including demarcation of PCC

Attachment 3: Description of System Modifications

Attachment 4: Costs of System Modifications and Payment Terms

Attachment 5: Special Operating Requirements, if any

Attachment 6: Agreement between the Company and the Company's Retail Customer (to be signed by the Company's retail customer where DG installation and interconnection will be placed, when retail customer is not the owner and/or operator of the distributed generation facility -- Exhibit H)

2. Application forms:

- a. Simplified Process (Facilities meeting the requirements of Section 3.1) application form and service agreement (Exhibit A)
- b. Expedited and Standard Process application form (Exhibit B)
- 3. Supplemental Review Agreement for those projects which have failed one or more screens in the Expedited Process (Exhibit C)
- 4. Feasibility Study Agreement (Exhibit D)
- 5. Impact Study Agreement or ISRDG Agreement under the Standard Process (Exhibit E)
- 6. Detailed Study Agreement for the more detailed study under the Standard Process which requires substantial System Modifications (Exhibit F)

2.0 Basic Understandings

Customer intends to install a Facility on the Customer's side of the PCC that will be connected electrically to the Company EPS and operate in parallel, synchronized with the voltage and frequency maintained by the Company during all operating conditions. It is the responsibility of the Interconnecting Customer to design, procure, install, operate, and maintain all necessary equipment on its property for connection to the Company EPS. The Customer and the Company shall enter into an Interconnection Service Agreement to provide for parallel operation of a Customer's Facility with Company EPS. A form of this agreement is attached as Exhibit G to this Interconnection Tariff. If the Interconnecting Customer or Renewable Interconnecting Customer is not the Customer, an Agreement between the Company and the Company's Customer must be signed and included as an attachment to the Interconnection Service Agreement; a form of this agreement is attached as Exhibit H.

The interconnection of the Facility with the Company EPS must be reviewed for potential impact on the Company EPS under the process described in Section 3.0 and meet the technical requirements in Section 4.0, and must be operated as described under Section 6.0. In order to meet these requirements, an upgrade or other modifications to the Company EPS may be necessary. Subject to the requirements contained in this Interconnection Tariff, the Company or its Affiliate shall modify the Company EPS accordingly. Unless otherwise specified, the Company will build and own, as part of the Company EPS, all facilities necessary to interconnect the Company EPS with the Facility up to and including terminations at the PCC. The Interconnecting Customer shall pay all System Modification costs as set forth in Section 5.0.

A Renewable Interconnecting Customer has the initial option of having the Company do a Feasibility Study prior to continuing on to an ISRDG.

The Interconnecting Customer should consult the Company before designing, purchasing and installing any generation equipment, in order to verify the nominal utilization voltages, frequency, and phase characteristics of the service to be supplied, the capacity available, and the suitability of the proposed equipment for operation at the intended location. Attempting to operate a generator at other than its nameplate characteristics may result in unsatisfactory performance or, in certain instances, injury to personnel and/or damage to equipment. The Interconnecting Customer will be responsible for ascertaining from the Company, and the Company will diligently cooperate in providing, the service characteristics of the Company EPS at the proposed PCC. The Company will in no way be responsible for damages sustained as a result of the Interconnecting Customer's failure to ascertain the service characteristics at the proposed PCC.

The crossing of a public way by the Interconnecting Customer with any equipment is prohibited due to public safety reasons.

Due to voltage regulation issues, Facilities larger than 3 MWs (nameplate capacity), or those that require substation upgrades, may be subject to special interconnection requirements and may require timelines for studies to be conducted on a mutually agreed upon basis versus the timelines noted in Section 3.

The Facility should operate in such a manner that does not compromise or conflict with, the safety or reliability of the Company EPS. The Interconnecting Customer should design its equipment in such a manner that faults or other disturbances on the Company EPS do not cause damage to the Interconnecting Customer's equipment.

Authorization to interconnect will be provided once the Interconnecting Customer has met all terms of the interconnection process as outlined below.

This Interconnection Tariff does not cover general distribution service needed to serve the Interconnecting Customer. Please refer to the Company's Terms and Conditions for Distribution Service.

3.0 Process Overview

There are four basic paths for interconnection of the Interconnecting Customer's Facility in Rhode Island. They are described below and detailed in Figures 1 and 2 with their accompanying notes. Tables 1 and 2, respectively, describe the timelines and fees for these paths. Unless otherwise noted, all times in the Interconnection Tariff reference Company business days to study the proposed Facility and provide an executable ISA under normal work conditions.

- Simplified This is for Listed inverter-based Facilities with a power rating of 15 kW or less single phase or 25 kW or less three-phase depending on the service configuration, and located on radial EPSs under certain conditions. A Listed inverter-based Facility with a power rating of 15 kW or less single phase located on a spot network EPS under certain conditions would also be eligible.
- 2. **Expedited** This is for Listed Facilities that pass certain pre-specified screens on a radial EPS.
- 3. <u>Standard</u> This is for all facilities not qualifying for either the Simplified or Expedited interconnection processes on radial and spot network EPSs, and for all Facilities on area network EPSs.
- 4. Renewable Interconnecting Customer This process is for Customers who are requesting either a Feasibility Study or an ISRDG for renewable Facilities. For these requests, the processes above will be followed except where outlined in the descriptions below, any references to Interconnecting Customer should be construed to be Renewable Interconnecting Customer for this purpose.

All proposed new sources of electric power without respect to generator ownership, dispatch control, or prime mover that plan to operate in parallel with the Company EPS must submit a completed application and pay the appropriate application fee to the Company with which it wishes to interconnect. For those projects where a Renewable Interconnecting Customer requests either a Feasibility or an ISRDG study, the Renewable Interconnecting Customer will pay the Feasibility Study fee in lieu of the Application Fee. The application will be acknowledged by the Company, and the Interconnecting Customer will be notified of the application's

completeness. Interconnecting Customers who are not likely to qualify for Simplified or Expedited Process may opt to go directly into the Standard Process path. Interconnecting Customers proposing to interconnect on area networks will also go directly to the Standard Process. All other Interconnecting Customers must proceed through a series of screens to determine their ultimate interconnection path. (Interconnecting Customers not sure whether a particular location is on a radial circuit, spot network, or area network should check with the Company serving the proposed Facility location prior to filing and the Company will verify the circuit type upon filing.)

If the Interconnecting Customer has not yet selected the generation equipment, the Interconnecting Customer may submit an interconnection application to the Company with generator data for up to three different suppliers for review and acceptance for interconnection by the Company. Upon completion of the initial review of such an application, Company may increase the cost to screen each option submitted and, if an increase is warranted, Company will notify the applicant in writing of the Company's additional cost for reviewing all options submitted by the applicant. Interconnecting Customer's application will be on hold until applicant responds with written authorization to either proceed with the original application submittal for the additional quoted cost or to proceed with reviewing only the "worst case" option at no additional cost for which the Company will provide "worst case" interconnection requirements and associated costs that apply to all the generators included in the application. For the multiple generator review, the Company will screen each generator and provide the Interconnecting Customer with the interconnection requirements and associated cost for interconnecting each generator included in the application. Prior to the Company preparing a final Interconnection Agreement, the Interconnecting Customer will provide the Company written confirmation of which generator the Interconnecting Customer will install at the Interconnecting Customer's Facility and, if the "worst case" option was not selected by the applicant, the interconnection requirements previously determined for that specific generator will be included in the final Interconnection Agreement.

3.1 Simplified Process

Interconnecting Customers using Listed single-phase inverter-based Facilities with power ratings of 15 kW or less at locations receiving single-phase secondary service from a single-phase transformer, or using Listed three-phase inverter-based Facilities with power ratings of 25 kW or less at locations receiving three-phase secondary service from a three-phase transformer configuration, and requesting an interconnection on radial EPSs where the aggregate Facility capacity on the circuit is less than 15% of circuit annual peak load qualify for Simplified interconnection. This is the fastest and least costly interconnection path. There is also a Simplified interconnection path for Listed single-phase inverter-based Facilities with power ratings of 15 kW or less requesting an interconnection on spot networks when the aggregate Facility capacity is less than one-fifteenth of the Customer's minimum load.

The Simplified Process is as follows:

- a. Application process:
 - i. Interconnecting Customer submits a Simplified Process application filled out properly and completely (Exhibit A).

- ii. Company acknowledges to the Interconnecting Customer receipt of the application within 3 business days of receipt.
- iii. 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.

A Renewable Interconnecting Customer may request a Feasibility Study. Upon receipt of an executed Feasibility Study Agreement and receipt of the applicable Feasibility Study fee, the Company shall conduct the Feasibility Study.

- b. The Company verifies Facility equipment passes screens 1-5 in Figure 1 if a radial EPS, or the screens in Figure 2 if a network EPS. If a Facility fails Screen #5 in Figure 1, the Facility will not be automatically evaluated under the Expedited Process. The Company shall have 20 Business Days to review an application where the Facility has failed screen #5 in Figure 1.
- c. If approved, the Company signs the application approval line and sends to the Interconnecting Customer. In certain rare circumstances, the Company may require the Interconnecting Customer to pay for minor System Modifications. If so, a description of work and an estimate will be sent back to the Interconnecting Customer for approval prior to the Company signing the application approval line. The Interconnecting Customer would then approve via a signature and payment for the minor System Modifications. Once payment has been made, the Company will sign the application approval line and send the executed document to the Interconnecting Customer.
- d. Upon receipt of 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.
- e. The Interconnecting Customer returns Certificate of Completion to the Company (refer to Attachment 2 of the Simplified Process Application for the Certificate of Completion).
- f. Following receipt of the Certificate of Completion, the Company may inspect the Facility for compliance with standards by arranging for a Witness Test. The Interconnecting Customer has no right to operate in parallel until a Witness Test has been performed or has been previously waived on the Application Form. The Company is obligated to complete this Witness Test within 10 business days of the receipt of the Certificate of Completion. If the Company does not inspect in 10 business days or by mutual agreement of the Parties, the Witness Test is deemed waived.
- g. 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.

h. The Interconnecting Customer has no right to operate in parallel until they have received the Authorization to Interconnect.

If the Interconnecting Customer does not substantially complete construction within 12 months after receiving approval from the Company, the Company will require the Interconnecting Customer to reapply for interconnection.

3.2 Pre-Application Reports

Prior to submitting an Interconnection Application through either the Expedited or Standard Process (see Sections 3.3 and 3.4), all Interconnecting Customers with Facilities that are 500 kW or greater must request and receive a Pre-Application Report from the Company. The Pre-Application Form is provided in Exhibit B. The Pre-Application Report is optional at the election of the Interconnecting Customer for those Facilities that are less than 500 kW. There is no fee for either a mandatory or optional Pre-Application Report.

Following the submission for either a mandatory or optional Pre-Application Report, the Company shall provide the Report within 10 Business Days. The Pre-Application Report produced by the Company is non-binding, and the Interconnecting Customer must still successfully apply to interconnect to the Company's EPS.

The Company shall provide the following information for the proposed Facility interconnection location in the Pre-Application Report:

Circuit voltage at the substation;

Circuit name:

Circuit voltage at proposed Facility;

Whether Single or three phase is available near site;

If single phase – distance from three phase service;

Aggregate connected Facilities (kW) on circuit;

Submitted complete applications of Facilities (kW) on circuit that have not yet been interconnected;

Whether the Interconnecting Customer is served by an area network, a spot network, or radial system;

Identification of feeders within ¼ mile of the proposed interconnection site through a snap-shot of GIS map or other means; and

Other obvious system constraints or critical items that may impact the proposed Facility.

3.3 Expedited Process

Other Interconnecting Customers not qualifying for the Simplified Process or not in the Standard Process must pass a series of screens before qualifying for Expedited interconnection. Depending on whether one or more screens are passed, additional steps may be required.

The Expedited Process is as follows:

- a. Application process:
 - i. Interconnecting Customer submits an Expedited/Standard application filled out properly and completely (Exhibit B).
 - ii. Company acknowledges to the Interconnecting Customer receipt of the application within 3 business days of receipt.
 - iii. 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.
 - iv. A Renewable Interconnecting Customer may request a Feasibility Study. Upon receipt of an executed Feasibility Study Agreement and receipt of the applicable Feasibility Study fee, the Company shall conduct the Feasibility Study. Upon receipt of an executed Feasibility Study Agreement and receipt of the applicable Feasibility Study fee, the Company shall conduct the Feasibility Study. If the results of the Feasibility Study allow the Company to provide an executable ISA, it will do so. Otherwise, the Company will provide an ISRDG Study Agreement.
- b. Company then conducts an initial review which includes applying the screening methodology (Screens 1 through 8 in Figure 1).
- c. The Company reserves the right to conduct internal studies if deemed necessary and at no additional cost to the Interconnecting Customer, such as but not limited to: protection review, aggregate harmonics analysis review, aggregate power factor review and voltage regulation review. Likewise, when the proposed interconnection may result in reversed load flow through the Company's load tap changing transformer(s), line voltage regulator(s), control modifications necessary to mitigate the effects may be made to these devices by the Company at the Interconnecting Customer's expense or the Facility may be required to limit its output so reverse load flow cannot occur or to provide reverse power relaying that trips the Facility.

As part of the Expedited Process, the Company will assess whether any System Modifications are required for interconnection, even if the project passes all of the applicable Screens. If the needed modifications are minor, that is, the requirement can be determined within the time allotted through the application fee and any internal studies, then the modification requirements, reasoning, and costs for these minor modifications will be identified and included in the executable Interconnection Service Agreement. If the requirements cannot be determined within the time and cost alloted in the initial review and any internal studies, the Company may require that the project undergo additional review to determine those requirements. The time allocated for additional review is a maximum of 10 hours of engineering time.

If after this review, the Company still cannot determine the requirements, the Company will document the reasons why and will meet with the Interconnecting Customer to

determine how to move the process forward to the Parties' mutual satisfaction. In all cases, the Interconnecting Customer will pay for the cost of modifications as discussed in Section 5.0.

- d. Assuming that all applicable Screens are passed and the Company has no concerns with the proposed interconnection, the Company sends the Interconnecting Customer an executable Interconnection Service Agreement and a quote for any required System Modifications or reasonable Witness Test costs. No other studies will be required.
- e. If one or more Screens are not passed, the Company will provide a Supplemental Review Agreement. If the Interconnecting Customer executes the agreement, the Company will conduct the review. If the Supplemental Review determines the requirements for processing the application through the Expedited Process including any System Modifications, then the modification requirements, reasoning, and costs for these modifications as defined in Section 5.0 will be identified and included in an executable Interconnection Service Agreement sent to the Interconnecting Customer for execution. If the Supplemental Review does not determine the requirements, it will include a proposed Impact Study Agreement or ISRDG Agreement as part of the Standard Process which will include an estimate of the cost of the study. Even if a proposed project initially fails a particular Screen in the Expedited Process, if Supplemental Review shows that it can return to the Expedited Process then it will do so. Supplemental Review includes up to 10 hours of engineering time.
- f. Interconnecting Customer returns the signed Interconnection Service Agreement which is then executed by the Company.
- g. Interconnecting Customer completes installation and, upon receipt of payment, the Company completes System Modifications, if required.
- h. Company inspects completed installation for compliance with standards and attends Witness Test, if required.
- i. Interconnecting Customer sends Certificate of Completion to Company.
- j. Assuming inspection is satisfactory, the Company notifies Interconnecting Customer in writing that interconnection is authorized.
- k. The Interconnecting Customer has no right to operate in parallel until it has received the Authorization to Interconnect.

3.4 Standard Process

The Standard Process has the longest maximum time period and highest potential costs. There are three ways to enter the Standard Process:

1. Interconnecting Customers may choose to proceed immediately to the Standard Process. Application process:

- i. Interconnecting Customer submits an Expedited/Standard Application filled out properly and completely (Exhibit B).
- ii. Company acknowledges to the Interconnecting Customer receipt of the application within 3 business days.
- iii. 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.
- iv. A Renewable Interconnecting Customer may initially request a Feasibility Study prior to requesting an ISRDG, but the applicant is not required to do so. Upon receipt of an executed Feasibility Study Agreement and receipt of the applicable Feasibility Study fee, the Company shall conduct the Feasibility Study.
- v. If the Renewable Interconnecting Customer requests a follow-up ISRDG, the Renewable Interconnecting Customer shall execute an ISRDG Agreement and send in the appropriate payment as per Table 2 and continue on with process as outlined below.
- 2. Based upon the results of the initial and Supplemental Reviews, Interconnecting Customers may be required to enter the Standard Process.
- 3. Based on the results of the Screens in Figure 2 for networks, Interconnecting Customers may be required to enter the Standard Process.

The Standard Process is as follows:

- a. The Company will conduct an initial review that includes a scoping meeting/discussion with the Interconnecting Customer (if necessary) to review the application. At the scoping meeting the Company will provide pertinent information such as:
 - The available fault current at the proposed location;
 - The existing peak loading on the lines in the general vicinity of the Facility;
 - The configuration of the distribution lines.
- b. A Renewable Interconnecting Customer may initially request a Feasibility Study prior to requesting an ISRDG, but the applicant is not required to do so. Upon receipt of an executed Feasibility Study Agreement and receipt of the applicable Feasibility Study fee, the Company will conduct the Feasibility Study.
- c. Company provides an Impact Study Agreement, or an ISRDG, including a cost estimate for the study or the costs for an ISRDG as outlined in table 2. Where there are other potentially Affected Systems, and no single Party is in a position to prepare an Impact Study covering all potentially Affected Systems, the Company will coordinate but not be responsible for the timing of any studies required to determine the impact of the interconnection request on other potentially Affected Systems. The Interconnecting Customer will be directly responsible to the potentially Affected

System operators for all costs of any additional studies required to evaluate the impact of the interconnection on the potentially Affected Systems. The timelines in Table 1 will be affected if the ISO-NE's Operating Procedure 14 will be required. This will occur if the Interconnecting Customer's Facility is greater than or equal to 5 MWs and could occur if the aggregate capacity of Facilities connected (which are on the same feeder and are physically close to each other) is greater than or equal to 5 MWs.

- d. Once the Interconnecting Customer executes the Impact Study Agreement, or an ISRDG Agreement, and pays pursuant to the terms thereof, the Company will conduct the Impact Study or ISRDG.
- e. If the Company determines, in accordance with Good Utility Practice, that the System Modifications to the Company EPS are not substantial (i.e., no substation upgrades, etc.), the Impact Study or ISRDG will determine the scope and cost of the modifications as defined in Section 5.0. If the Company determines, in accordance with Good Utility Practice, that the System Modifications to the Company EPS are substantialthe Impact Study or ISRDG will produce an estimate for the modification costs (within ±25%) and a Detailed Study Agreement and estimated Detailed Study cost for Interconnecting Customer's approval.
- f. The Interconnecting Customer will have 10 business days to provide comments on the Impact Study..
- g. Once the Interconnecting Customer executes the Detailed Study Agreement and pays pursuant to the terms thereof, the Company will conduct the Detailed Study.
- h. Upon completion of any necessary studies and upon request from the customer, the Company shall send the Interconnecting Customer an executable Interconnection Service Agreement including a quote for any required System Modifications and reasonable Witness Test costs, assuming the customer has met all necessary obligations up to this point.
- i. Interconnecting Customer returns signed Interconnection Service Agreement.
- j. Interconnecting Customer completes installation and Company completes System Modifications, if required.
- k. Company inspects completed installation for compliance with requirements and attends Witness Test, if required.
- 1. Interconnecting Customer sends Certificate of Completion to Company.
- m. Assuming inspection is satisfactory, the Company notifies Interconnecting Customer in writing that interconnection is authorized.
- n. The Interconnecting Customer has no right to operate in parallel until it has received the Authorization to Interconnect

3.5 Time Frames

Unless otherwise noted, all days in the Interconnection Tariff reference Company business days under normal work conditions

For a Renewable Interconnecting Customer, the timeframes for a Feasibility Study will be 30 calendar days after returning an executed Feasibility Study agreement with payment.

For a Renewable Interconnecting Customer, the timeframes for an ISRDG Study will be 90 calendar days after returning an executed ISRDG agreement with payment.

Table 1 lays out the maximum timeframes allowed under the Simplified, Expedited, and Standard Review processes. The maximum time allowed for the Company to execute the entire Simplified Process is 15 days. The maximum time allowed for the Company to execute the entire Expedited Process on a radial system is 40 days where no Supplemental Review is needed and 60 days where it is needed. The maximum time allowed for the Company to execute the entire Standard Process is 125 days for the Standard Review Process if the Customer goes directly to Standard Review and 150 days if the Customer goes from the Expedited Process into Standard Review. For Customers qualifying for the Simplified Process on a spot network, the maximum time is 40 days if load data is available and 100 days if it is not. The Company clock is stopped when awaiting information from Customers. Any delays caused by Customer will interrupt the applicable clock. Moreover, if an Interconnecting Customer fails to act expeditiously to continue the interconnection process or delays the process by failing to provide necessary information within the longer of 15 days or half the time allotted to the Company to perform a given step, or as extended by mutual agreement, then the Company may terminate the application and the Interconnecting Customer must re-apply. However, the Company will be required to retain the work previously performed in order to reduce the initial and Supplemental Review costs incurred for a period of no less than 1 year. If the Interconnecting Customer does not initiate construction within twelve (12) months of signing the Interconnection Agreement, the Company may require the customer to provide evidence that the project is moving toward construction. In the event that the Customer cannot provide such evidence (i.e., the project's permitting has been appealed or other reasons beyond the Interconnecting Customer's control), the Company reserves the right to require additional study or require the Customer to reapply for interconnection. Situations that could trigger enforcement of this time limit are: (1) material changes on the distribution circuits (e.g. load changes, circuit reconfiguration) or (2) a second application for interconnection received by the Company on a circuit from the same substation. The same rights of the Company to require the customer to reapply for interconnection pertains if the interconnecting customer, after initiating construction, does not complete construction within twenty-four months. Notwithstanding these maximum time frames, the Company shall endeavor to meet the Customer's needs.

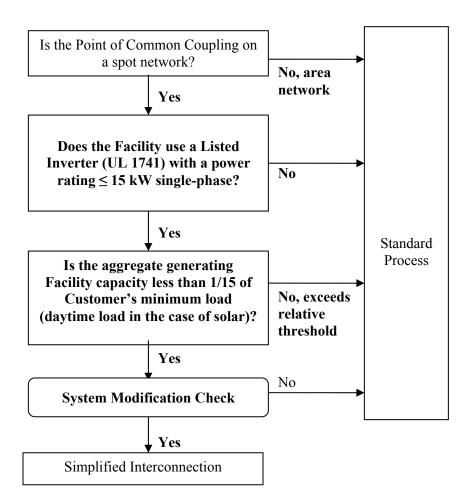
3.6 Fee Schedules

Table 2 lays out the fees required for Interconnecting Customers and Renewable Interconnecting Customers to apply for interconnection.

Figure 1 – Schematic of Rhode Island DG Interconnection Process

Interconnecting Customer submits complete application and application fee 1. Is the Point of Common Coupling on a radial Interconnecting Customer opts Go to Figure 2 distribution system? for Standard Process Yes 2. Is the aggregate generating Facility capacity on the circuit less No_ than 15% of circuit annual peak load? (Note 1) Yes 3. Does the Facility use a Listed Inverter (UL 1741)? (Note 3) 4. Is the Facility power rating \leq 15 kWs single-phase or \leq 25 kWs Perform Standard three-phase? Supplemental **Process** 5. Is the Service Type Screen met? (Note 2) Review Initial Review Yes No No Does the Facility pass all the following Screens? 6. Is the Facility Listed per Note 3? 7. Is the Starting Voltage Drop Screen met? (Note 4) Does Supplemental Review determine requirements? 8. Is the Fault Current Contribution Screen met? (Note 5) Yes 9. Is the Service Configuration Screen met? (Note 6) Company provides cost estimate and schedule for Interconnection Study(ies) 10. Is the Transient Stability Screen met? (Note 7) Interconnecting Customer accepts Company performs Impact and Yes Detailed (if required) Study System Modification Check Facility Processed for Facility Processed for Facility Processed for **Simplified** Interconnection **Expedited** Interconnection **Standard** Interconnection **Under Interconnection Tariff Under Interconnection Tariff Under Interconnection Tariff**

Figure 2 – Simplified Interconnection to Networks



Explanatory Notes to Accompany Figure 1

- **Note 1.** On a typical radial distribution EPS circuit ("feeder") the annual peak load is measured at the substation circuit breaker, which corresponds to the supply point of the circuit. A circuit may also be supplied from a tap on a higher-voltage line, sometimes called a subtransmission line. On more complex radial EPSs, where bidirectional power flow is possible due to alternative circuit supply options ("loop service"), the normal supply point is the loop tap.
- **Note 2**. This screen includes a review of the type of electrical service provided to the Interconnection Customer, including the service transformer configuration and service type to limit the potential for creating unacceptable voltage imbalance, over-voltage or under-voltage conditions, or service equipment overloads on the Company EPS due to a mismatch between the size and phasing of the energy source, the service loads fed from the service transformer(s), and the service equipment ratings.
- **Note 3**. A Listed Facility has successfully passed all pertinent tests to conform with IEEE Standard 1547. IEEE Standard 1547 includes design specifications, operational requirements, and a list of tests that are required for Facilities. IEEE Standard 1547.1 describes how to conduct tests to show compliance with provisions of IEEE Standard 1547. To meet Screen 3 or 4, Interconnecting Customers must provide information or documentation that demonstrates how the Facility is in compliance with the IEEE Standard 1547.1 A Facility will be deemed to be in compliance with the IEEE Standard 1547.1 if the Company previously determined it was in compliance. Applicants who can demonstrate Facility compliance with IEEE Standard 1547.1, with the testing done by a nationally recognized testing laboratory, will be eligible for the Expedited Process, and may be eligible for the Simplified process upon review by the utility.

Rhode Island has adopted UL1741 (Inverters, Converters and Charge Controllers for Use in Independent Power Systems) and UL2200 (Stationary Engine Generator Assemblies) as the standard for power systems to comply with IEEE Std. 1547 and 1547.1. Equipment listed to UL1741 or UL2200 by a nationally recognized testing laboratory will be considered in compliance with IEEE Std. 1547 and 1547.1. An Interconnecting Customer should contact the Facility supplier(s) to determine if it has been listed to either of these standards.

In addition, California and New York have adopted rules for expediting application review and approval of Facility interconnections onto electric distribution systems. Facilities in these states must meet the applicable commission approved tests and/or criteria for expedited procedures in these states. The Company will accept a Facility as eligible for "Listed" and a candidate for the Rhode Island Simplified or Expedited Process if it has been approved for such expedited procedures, or approved for interconnection, in California or New York. It is the Interconnecting Customer's responsibility to determine if, and submit verification that, the proposed Facility has been so approved in California or New York.

Note 4. This Screen only applies to Facilities that start by motoring the generating unit(s) or the act of connecting synchronous generators. The voltage drops should be less than the criteria below. There are two options in determining whether Starting Voltage Drop could be a problem. The option to be used is at the Company's discretion:

Option 1: The Company may determine that the Facility's starting inrush current is equal to or less than the continuous ampere rating of the Facility's service equipment.

Option 2: The Company may determine the impedances of the service distribution transformer (if present) and the secondary conductors to the Facility's service equipment and perform a voltage drop calculation. Alternatively, the Company may use tables or nomographs to determine the voltage drop. Voltage drops caused by starting a generating unit as a motor must be less than 2.5% for primary interconnections and 5% for secondary interconnections.

Note 5. The purpose of this Screen is to ensure that fault (short-circuit) current contributions from all Facilities will have no significant impact on the Company's protective devices and EPS. All of the following criteria must be met when applicable:

- a. The proposed Facility, in aggregation with other generation on the distribution circuit, will not contribute more than 10% to the distribution circuit's maximum fault current under normal operating conditions at the point on the high voltage (primary) level nearest the proposed PCC.
- b. The proposed Facility, in aggregate with other generation on the distribution circuit, will not cause any distribution protective devices and equipment (including but not limited to substation breakers, fuse cutouts, and line reclosers), or Interconnecting Customer equipment on the EPS to exceed 85% of the short-circuit interrupting capability. In addition, the proposed Facility will not be installed on a circuit that already exceeds 85% of the short-circuit interrupting capability.
- c. When measured at the secondary side (low side) of a shared distribution transformer, the short-circuit contribution of the proposed Facility must be less than or equal to 2.5% of the interrupting rating of the Company's service equipment.

Coordination of fault-current protection devices and systems will be examined as part of this Screen.

Note 6. This Screen includes a review of the type of electrical service provided to the Interconnecting Customer, including line configuration and the transformer connection to limit the potential for creating over voltages on the Company EPS due to a loss of ground during the operating time of any anti-islanding function.

Primary Distribution Line Type	Type of Interconnection to Primary Distribution Line	Result/Criteria
Three-phase, three wire	3-phase or single phase, phase-to-phase	Pass Screen
Three-phase, four wire	Effectively-grounded 3 phase or single-phase, line-to-neutral	Pass Screen

R.I.P.U.C. No. Canceling R.I.P.U.C. No. 2078 Sheet 23

The Narragansett Electric Company Standards for Connecting Distributed Generation

If the proposed generator is to be interconnected on a single-phase transformer shared secondary, the aggregate generation capacity on the shared secondary, including the proposed generator, will not exceed 20 kilovolt-ampere ("kVA").

If the proposed generator is single-phase and is to be interconnected on a center tap neutral of a 240 volt service, its addition will not create an imbalance between the two sides of the 240 volt service of more than 20% of nameplate rating of the service transformer.

Note 7. The proposed Facility, in aggregate with other Facilities interconnected to the distribution low voltage side of the substation transformer feeding the distribution circuit where the Facility proposes to interconnect, will not exceed 10 MW in an area where there are known or posted transient stability limitations to generating units located in the general electrical vicinity (e.g., 3 or 4 transmission voltage level buses from the PCC).

Table 1 - Time Frames (Note 1)

Review Process	Simplified	Expedited	Standard		Simplified Spot Network
Eligible Facilities	Listed Small Inverter	Listed DG	Non- renewable DG	Renewable DG	Listed Inverter ≤ 15 kW single-phase
Acknowledge receipt of Application	(3 days)	(3 days)	(3 days)	(3 days)	(3 days)
Review Application for completeness	10 days	10 days	10 days	10 days	10 days
Complete Review of all screens	10 days	25 days	n/a	n/a	Site review 30/90 days (Note 2)
Complete Supplemental Review (if needed)	n/a	20 days	n/a	n/a	
Complete Standard Process Initial Review	n/a		20 days	20 days if Feasibility Study not requested	n/a
Send Follow-on Studies Cost/Agreement	n/a		5 days	5 days	n/a
Feasibility Study (if requested)			n/a	30 calendar days	
Complete Impact Study or ISRDG (if requested)	n/a		55 days	The shorter of 55 days or 90 calendar days	n/a
Complete Detailed Study (if requested)	n/a	n/a	30 days	30 days	n/a
Send Executable Agreement (Note 3)	Done	10 days	15 days	15 days	Done (comparable to Simplified for radial)
Total Maximum Days	15 days	40/ 60 days (Note 4)	125/150 days (Note 5)	Varies depending on which studies are done (Note 5)	40/ 100 days
Notice/ Witness Test	< 1 day with 10 day notice or by mutual agreement	1-2 days with 10 day notice or by mutual agreement	By mutual agreement	By mutual agreement	1 day with 10- day notice or by mutual agreement

Table 2 - Fee Schedules

	Simplified	Expedited	Standard		Simplified Spot Network
	Listed Small Inverter	Listed DG	Non-renewable DG	Renewable DG requesting a Feasibility Study or ISRDG	Listed Inverter ≤ 15 kW
Application Fee (covers Screens)	0 (Note 1)	\$3/kW, minimum \$300, maximum \$2,500	\$3/kW, minimum \$300, maximum \$2,500	Feasibility Study Fee required in lieu of Application Fee	≤\$3/kW \$100, >3 kW \$300
Supplemental Review or Additional Review (if applicable)	N/A	Up to 10 engineering hours at \$125/hr (\$1,250 maximum) (Note2)	N/A	N/A	N/A
Standard Interconnection Initial Review	N/A	N/A	Included in application fee (if applicable)	N/A	N/A
Feasibility Study	N/A	N/A	N/A	Residential:	N/A
Impact Study or ISRDG	N/A	N/A	Actual cost (Note 3)	Residential: ≤25kW: \$0 >25kW: \$100 Non-residential: ≤100kW: \$500 ≤250kW: \$1,000 250kW-1MW: \$5,000 >1MW: \$10,000 (Note 4)	N/A
Detailed Study (if required)	N/A	N/A	Actual cost (Note 3)	Actual cost (Note 3)	N/A
Facility Upgrades	N/A (Note 5)	Actual cost	Actual cost	Actual cost	N/A
O&M (Note 6)	N/A	TBD	TBD	TBD	N/A
Witness Test	0	Actual cost, up to \$300 + travel time (Note 7)	Actual Cost	Actual Cost	0 (Note 8)

Explanatory Notes to Accompany Tables 1 and 2

Table 1 – Time Frames

- **Note 1.** All days listed apply to Company business days under normal work conditions unless otherwise noted. All numbers in this table assume a reasonable number of applicants under review. All timelines may be extended by mutual agreement. Any delays caused by Interconnecting Customer will interrupt the applicable clock. Moreover, if an Interconnecting Customer fails to act expeditiously to continue the interconnection process or delays the process by failing to provide necessary information within the longer of 15 days or half the time allotted to the Company to perform a given step, or as extended by mutual agreement, then the Company may terminate the application and the Interconnecting Customer must reapply. However, the Company will be required to retain the work previously performed in order to reduce the initial and Supplemental Review costs incurred for a period of no less than 1 year. The timelines in Table 1 will be affected if ISO-NE determines that a system impact study is required. This will occur if the Interconnecting Customer's Facility is greater than 5 MW and may occur if the Interconnecting Customer's Facility is greater than 1 MW.
- **Note 2.** 30 days if load is known or can be reasonably determined, 90 days if it has to be metered
- **Note 3.** Company delivers an executable agreement form. Once the Interconnection Service Agreement is delivered by the Company, any further modification and timetable will be established by mutual agreement.
- **Note 4.** Shorter time applies to Expedited Process without Supplemental Review; longer time applies to Expedited Process with Supplemental Review.
- **Note 5.** 125 day maximum applies to an Interconnecting Customer opting to begin directly in Standard Process, and 150 days is for an Interconnecting Customer who goes through initial Expedited Process first. In both cases this assumes that both the Impact Study or ISRDG and Detailed Studies are needed. If the Detailed Study is not needed, the timelines will be shorter.

Table 2 – Fee Schedules

- **Note 1.** If the Company determines that the Facility does not qualify for the Simplified Process, it will let the Interconnecting Customer know what the appropriate fee is.
- **Note 2.** Supplemental Review and additional review are defined in Section 3.2.
- **Note 3.** This is the actual cost only attributable to the applicant. Any costs not expended from the application fee previously collected will go toward the costs of these studies.

- **Note 4.** To the extent that an ISRDG fee established under this section does not cover the reasonable cost of an ISRDG for a given non-residential project that commences operation, the balance of such costs shall be recovered from such applicant through billings after the project is online. The Company may, at its sole election, offset net metering credits or any standard contract payments until the full fee(s) is reimbursed, if it finds it administratively convenient to use that means of billing for the balance of the fee for a given project.
- **Note 5.** Not applicable except in certain rare cases where a System Modification would be needed. If so, the modifications are the Interconnecting Customer's responsibility.
- **Note 6.** O & M is defined as the Company's operations and maintenance carrying charges on the incremental costs associated with serving the Interconnecting Customer.
- **Note 7.** The fee will be based on actual cost up to \$300 plus driving time, unless Company representatives are required to do additional work due to extraordinary circumstances or due to problems on the Interconnecting Customer's side of the PCC (e.g., Company representative required to make two trips to the site), in which case Interconnecting Customer will cover the additional cost.

Note 8. Unless extraordinary circumstances.

4.0 Interconnection Requirements

4.1 General Design Considerations

Interconnecting Customer shall design and construct the Facility in accordance with the applicable manufacturer's recommended maintenance schedule, in compliance with all aspects of the Company's Interconnection Tariff. Interconnecting Customer agrees to cause its Facility to be constructed in accordance with applicable specifications that meet or exceed those provided under this Section of the Interconnection Tariff.

4.1.1 Transient Voltage Conditions

Because of unusual events in the Company's EPS, there will be transient voltage fluctuations, which will result in voltages exceeding the limits of the stated ranges. These transient voltage fluctuations, which generally last only a few milliseconds, arise due to EPS disturbances including, but not limited to, lightning strikes, clearing of faults, and other switching operations. The magnitude of transient voltage fluctuations varies with EPS configuration, grounding methods utilized, local short circuit availability, and other parameters, which vary from point-to-point and from time-to-time on the distribution EPS.

The fluctuations may result in voltages exceeding the limits of the stated ranges and occur because of EPS disturbance, clearing of faults and other switching operations. These unavoidable transients are generally of too short duration and insufficient magnitude to have any adverse effects on general service applications. They may, however, cause malfunctions in equipment highly sensitive to voltage changes, and protective devices may operate to shut down such devices. The magnitude, duration and frequency of transient fluctuations will vary due to EPS configuration and/or circuit arrangement. In addition, disturbances of indeterminate magnitude and duration may occur on infrequent occasions due to short circuits, faults, and other unpredictable conditions.

Transient voltages should be evaluated in the design of the Facility.

4.1.2 Noise and Harmonics

The introduction of abnormal noise/harmonics can cause abnormal neutral current flow, and excessive heating of electrical equipment. Harmonics may also cause distortion in TV pictures, telephone interference, and malfunctions in digital equipment such as computers. The permissible level of harmonics is dependent upon the voltage level and short circuit ratio at a given location. IEEE Standard 1547-2003 provides these levels at the PCC. In requiring adherence to IEEE Standard 1547-2003 the Company is in no way making a recommendation regarding the level of harmonics that a given piece of equipment can tolerate nor is it making a recommendation as to the permissible level in the Interconnecting Customer's Facility.

4.1.3 Frequency

The interconnected electric power system in North America, which is maintained at 60 hertz ("Hz") frequency on its alternating current services, is subject to certain deviations. The

usual maximum instantaneous deviation from the standard 60 Hz is $\pm 2/10$ cycle ($\pm 0.33\%$), except on infrequent occasions when the deviation may reach $\pm 1/10$ cycle ($\pm 0.17\%$). The usual normal deviation is approximately $\pm 1/20$ cycle ($\pm 0.083\%$). These conditions are subject to occur at any time of the day or night and should be considered in the design of the Facility. All are measured on a 60 Hz base.

4.1.4 Voltage Level

All electricity flow across the PCC shall be in the form of single-phase or three-phase 60 Hz alternating current at a voltage class determined by mutual agreement of the Parties.

4.1.5 Machine Reactive Capability

Facilities less than 1 megawatt ("MW") will not be required to provide reactive capability, except as may be provided by the retail rate schedule and Terms and Conditions for Distribution Services under which the Customer takes service.

Facilities greater than or equal to 1 MW interconnected with the Company EPS shall be required to provide reactive capability to regulate and maintain EPS voltage at the PCC as per NEPOOL requirements. The Company and NEPOOL shall establish a scheduled range of voltages to be maintained by the Facility. The reactive capability requirements shall be reviewed as part of the Impact Study and Detailed Study.

4.2 Protection Requirements for New or Modified Facility Interconnections with the

EPS

4.2.1 General Requirements

Any Facility desiring to interconnect with the Company EPS or modify an existing interconnection must meet minimum specifications, where applicable, as set forth in the following documents and standards and requirements in this Section.

- IEEE Standard 1547, "IEEE Standard for Interconnecting Distributed Resources with Electric Power Systems."
- UL Standard 1741, "Inverters, Converters and Charge Controllers for Use in Independent Power Systems."

In the event that the IEEE or UL Standards referenced above conflict with the Company's ESB 756, the Company's ESB 756 shall be followed.

The specifications and requirements listed herein are intended to mitigate possible adverse impacts caused by the Facility on the Company's equipment and personnel and on other Interconnecting Customers of the Company. They are not intended to address protection of the Facility itself or its internal load. It is the responsibility of the Facility to comply with the requirements of all appropriate standards, codes, statutes and authorities to protect itself and its loads.

The Company shall not be responsible for the protection of the Facility. The Facility shall be responsible for protection of its system against possible damage resulting from parallel operation with the Company so long as the Company adheres to Good Utility Practice. If requested by the Interconnecting Customer, the Company will provide system protection information for the line terminal(s) directly related to the interconnection. This protection information contained herein is provided exclusively for use by the Interconnecting Customer to evaluate protection of its Facility during parallel operation.

At its sole discretion, the Company may consider approving alternatives that satisfy the intent of the requirements contained in this Section.

4.2.2 Facility Classification

To determine the protection requirements for a given Facility, the following Groups have been established:

Group	Type of Interconnection		
1	Facilities Qualified for Simplified Interconnection		
2	All Facilities Not Qualified for Simplified Interconnection		

4.2.3 Protection Requirements

All Facilities must meet performance requirements set forth in relevant sections of IEEE Standard 1547, in particular the attachments specific to Under Voltage Ride Through, Under Frequency Ride Through and VAr control. Additionally, all Facilities must meet the Company's ESB-756.

4.2.3.1 Group 1 Facilities

- a. The inverter-based Facility shall be considered *Listed* if it meets requirements set forth in Section 3.1 "Simplified Process".
- b. **External Disconnect Switch:** For Listed inverters, the Company may require an external disconnect switch (or comparable device by mutual agreement of the Parties) at the PCC with the Company or at another mutually agreeable point that is accessible to Company personnel at all times and that can be opened for isolation if the switch is required. The switch shall be gang operated, have a visible break when open, be rated to interrupt the maximum generator output and be capable of being locked open, tagged and grounded on the Company side by Company personnel. The visible break requirement can be met by opening the enclosure to observe the contact separation. The Company shall have the right to open this disconnect switch in accordance with this Interconnection Tariff.

4.2.3.2 Group 2 Facilities

4.2.3.2.1 General Requirements

- a. **Non Export Power:** If the Parties mutually agree that non-export functionality will be part of the interconnection protection equipment then it will include one of the following: (1) a reverse power relay with mutually agreed upon delay intervals, or (2) a minimum power function with mutually agreed upon delay intervals, or (3) other mutually agreeable approaches, for example, a comparison of nameplate rating versus certified minimum Customer premises load.
- b. The ISO-NE is responsible for assuring compliance with NPCC criteria. For the interconnection of some larger units, the NPCC criteria may additionally require:

NPCC Protective Relaying Requirements: The Company may require the Facility to be equipped with two independent, redundant relaying systems in accordance with NPCC criteria, where applicable, for the protection of the bulk power system if the interconnection is to the bulk power system or if it is determined that delayed clearing of faults within the Facility adversely affects the bulk power system.

NPCC Requirements: During system conditions where local area load exceeds system generation, NPCC Emergency Operation Criteria requires a program of phased automatic under frequency load shedding of up to 25% of area load to assist in arresting frequency decay and to minimize the possibility of system collapse. Depending on the point of connection of the Facility to the Company's EPS and in conformance with the NPCC Emergency Operating Criteria, the Facility may be required to remain connected to the EPS during the frequency decline to allow the objectives of the automatic load shedding program to be achieved, or to otherwise provide compensatory load reduction, equivalent to the Facility's generation lost to the system, if the Interconnecting Customer elects to disconnect the Facility at a higher under-frequency set point.

- c. **Disconnect Switch:** The Facility shall provide a disconnect switch (or comparable device mutually agreed upon by the Parties) at the point of Facility interconnection that can be opened for isolation. The switch shall be in a location easily accessible to Company personnel at all times. The switch shall be gang operated, have a visible break when open, be rated to interrupt the maximum generator output and be capable of being locked open, tagged and grounded on the Company side by Company personnel. The visible break requirement can be met by opening the enclosure to observe the contact separation. The Company shall exercise such right in accordance with Section 7.0 of this Interconnection Tariff.
- d. **Transfer Tripping:** A direct transfer tripping system, if one is required by either the Interconnecting Customer or by the Company, shall use equipment generally accepted for use by the Company and shall, at the option of the Company, use dual channels.

4.2.3.2.2 Requirements for Induction and Synchronous Generator Facilities

- a. **Interconnection Interrupting Device:** An interconnection Interrupting Device such as a circuit breaker shall be installed to isolate the Facility from the Company's EPS. If there is more than one Interrupting Device, this requirement applies to each one individually. The Interconnection Interrupting Device must be capable of interrupting the current produced when the Facility is connected out of phase with the Company's EPS, consistent with Section 4.1.8.3 of IEEE Standard 1547 which states, "the interconnection system paralleling-device shall be capable of withstanding 220% of the interconnection system rated voltage."
- b. **Synchronizing Devices:** The Interconnecting Customer shall designate one or more Synchronizing Devices such as motorized breakers, contactor/breaker combinations, or a fused contactor (if mutually agreeable) to be used to connect the Facility's generator to the Company's EPS. This Synchronizing Device could be a device other than the interconnection Interrupting Device. The Synchronizing Device must be capable of interrupting the current produced when the Facility is connected out of phase with the Company's EPS, consistent with Section 4.1.8.3 of IEEE Standard 1547 which states, "the interconnection system paralleling-device shall be capable of withstanding 220% of the interconnection system rated voltage."
- c. **Transformers:** The Company reserves the right to specify the winding connections for the transformer between the Company's voltage and the Facility's voltage ("Step-Up Transformer") as well as whether it is to be grounded or ungrounded at the Company's voltage. In the event that the transformer winding connection is grounded-wye/grounded-wye the Company reserves the right to specify whether the generator stator is to be grounded or not grounded. The Interconnecting Customer shall be responsible for procuring equipment with a level of insulation and fault-withstand capability compatible with the specified grounding method.
- d. **Voltage relays:** Voltage relays shall be frequency compensated to provide a uniform response in the range of 40 to 70 Hz.
- e. **Protective Relaying Redundancy:** For induction generators greater than 1/15 of onsite minimum verifiable load that is not equipped with on-site capacitors or that is greater than 200 kW, and for all synchronous generators, protective relays utilized by the Facility shall be sufficiently redundant and functionally separate so as to provide adequate protection, consistent with Company practices and standards, upon the failure of any one component.
- f. **Protective Relay Hard-Wire Requirement:** Unless authorized otherwise by the Company, protective relays must be hardwired to the device they are tripping. Further, interposing computer or programmable logic controller or the like is not permitted in the trip chain between the relay and the device being tripped.
- g. **Protective Relay Supply:** Where protective relays are required in this Section, their control circuits shall be DC powered from a battery/charger system or a UPS. Solid-state relays shall be self-powered, or DC powered from a battery/charger system or a

UPS. If the Facility uses a Company-acceptable non-latching interconnection contactor, AC powered relaying shall be allowed provided the relay and its method of application are fail safe, meaning that if the relay fails or if the voltage and/or frequency of its AC power source deviate from the relay's design requirements for power, the relay or a separate fail-safe power monitoring relay acceptable to the Company will immediately trip the generator by opening the coil circuit of the interconnection contactor.

- h. Current Transformers ("CT"): CT ratios and accuracy classes shall be chosen such that secondary current is less than 100 amperes and transformation errors are consistent with Company practices. CTs used for revenue class metering must have a secondary current of 20 amperes or less.
- i. Voltage Transformers ("VT")s and Connections: The Facility shall be equipped with a direct voltage connection or a VT, connected to the Company side of the Interrupting Device. The voltage from this VT shall be used in an interlock scheme, if required by the Company. For three-phase applications, a VT for each phase is required. All three phases must be sensed either by three individual relays or by one relay that contains three elements. If the voltage on any of the three phases is outside the bounds specified by the Company the unit shall be tripped. If the Facility's Step-Up Transformer is ungrounded at the Company voltage, this VT shall be a single three-phase device or three single-phase devices connected from each phase to ground on the Company's side of the Facility's Step-Up Transformer, rated for phase-to-phase voltage and provided with two secondary windings. One winding shall be connected in open delta, have a loading resistor to prevent ferroresonance, and be used for the relay specified in these requirements.

4.2.3.2.3 Additional Requirements for Induction Generator Facilities

a. **Self-Excitation:** A Facility using induction generators connected in the vicinity of capacitance sufficient to self-excite the generator(s) shall meet the requirements for synchronous machines. The capacitors that enable self-excitation may actually be external to the Facility. The Company will not restrict its existing or future application of capacitors on its lines nor restrict their use by other Interconnecting Customers of the Company to accommodate a Facility with induction machines. If self-excitation becomes possible due to the installation of or presence of capacitance, the protection requirements of the Facility may need to be reviewed and revised, if applicable.

The Facility may be required to install capacitors to limit the adverse effects of drawing reactive power from the EPS for excitation of the generator. Capacitors for supply of reactive power at or near the induction generator with a kilovolts-ampere reactive ("kVAr") rating greater than 30% of the generator's kW rating may cause the generator to become self-excited. (If self-excitation can occur, the Facility shall be required to provide protection as specified in synchronous machines requirements.)

4.2.3.2.4 Additional Requirements for Synchronous Generator Facilities

- a. **Ungrounded Transformers:** If the Facility's Step-Up Transformer connection is ungrounded, the Facility shall be equipped with a zero sequence over-voltage relay fed from the open delta of the three-phase VT specified in the Voltage Transformers and Connections Section 4.2.3.2.2.i.
- b. **High-Speed Protection:** The Facility may be required to use high-speed protection if time-delayed protection would result in degradation in the existing sensitivity or speed of the protection systems on the Company's EPS.
- c. **Breaker Failure Protection:** The Facility may be required to be equipped to provide local breaker failure protection which may include direct transfer tripping to the Company's line terminal(s) in order to detect and clear faults within the Facility that cannot be detected by the Company's back-up protection.
- d. **Communications Channels:** The Interconnecting Customer is responsible for procuring any communications channels necessary between the Facility and the Company's stations, and for providing protection from transients and over-voltages at all ends of these communication channels. The Interconnecting Customer will also bear the ongoing cost to lease these communication channels. Examples include, but are not limited to, connection to a line using high-speed protection, transfer tripping, generators located in areas with low-fault currents, or back up for generator breaker failure.

4.2.4 Protection System Testing and Maintenance

The Company shall have the right to witness the commissioning testing as defined in IEEE Standard 1547-2003 at the completion of construction and to receive a copy of all test data. The Facility shall be equipped with whatever equipment is required to perform this test.

Testing typically includes, but is not limited to:

- CT and VT circuit polarity, ratio, insulation, excitation, continuity and burden tests,
- Relay pick-up and time delay tests.
- Functional breaker trip tests from protective relays,
- Relay in-service test to check for proper phase rotation and magnitudes of applied currents and voltages.
- Breaker closing interlock tests, and
- Paralleling and disconnection operation.

Prior to final approval by the Company or anytime thereafter, the Company reserves the right to test the generator relaying and control related to the protection of the Company's EPS.

The Interconnecting Customer has the full responsibility for the proper periodic maintenance of its generating equipment and its associated control, protective equipment and interrupting devices.

The Interconnecting Customer is responsible for the periodic maintenance of those relays, interrupting devices, control schemes, and batteries that involve the protection of the Company's EPS. A periodic maintenance program, mutually agreeable to both the Company and to the Interconnecting Customer is to be established in each case. The Company shall have the right to monitor the periodic maintenance performed.

For relays installed in accordance with the NPCC Criteria for the Protection of the Bulk Power System, maintenance intervals shall be in accordance with such criteria. The results of these tests shall be summarized by the Interconnecting Customer and reported in writing to the Company.

The Company reserves the right to install special test equipment as may be required to monitor the operation of the Facility and its control or for evaluating the quality of power produced by the Facility at a mutually agreed upon location. The cost of this testing will be borne by the Company unless there is shown to be a problem associated with the Facility or if the test was performed at the request of the Interconnecting Customer.

Each routine check shall include both a calibration check and an actual trip of the circuit breaker or contactor from the device being tested. Visually setting a calibration dial, index or tap is not considered an adequate calibration check.

Inverters with field adjustable settings for their internal protective elements shall be periodically tested if those internal elements are being used by the Facility to satisfy the requirements of this Section.

4.2.5 Protection Requirements – Momentary Paralleling of Standby Generators

Protective relays to isolate the Facility for faults in the Company EPS are not required if the paralleling operation is automatic and takes place for less than one-half of a second. An Interrupting Device with a half-second timer (30 cycles) is required as a fail-safe mechanism.

Parallel operation of the Facility with the Company EPS shall be prevented when the Company's line is dead or out of phase with the Facility.

The control scheme for automatic paralleling must be submitted by the Interconnecting Customer for review and acceptance by the Company prior to the Facility being allowed to interconnect with the Company EPS.

4.2.6 Protection System Changes

The Interconnecting Customer must provide the Company with reasonable advance notice of any proposed changes to be made to the protective relay system, relay settings, operating procedures or equipment that affect the interconnection. The Company will determine if such proposed changes require additional review and/or approval of the interconnection per the requirements of this Section.

In the future, should the Company implement changes to the EPS to which the Facility is interconnected, the Interconnecting Customer will be responsible at its own expense for

identifying and incorporating any necessary changes to its protection equipment. These changes to the Facility's protection equipment are subject to review and approval by the Company.

5.0 Responsibility for Costs of Interconnecting a Facility

5.1 Review and Study Costs

The Interconnecting Customer shall be responsible for the reasonably incurred costs of the review by the Company and any interconnection studies conducted as defined by Table 2 ("Fee Schedules") of Section 3.0 of this Interconnection Tariff solely to determine the requirements of interconnecting a Facility with the Company EPS.

5.2 Interconnection Equipment Costs

The Interconnecting Customer shall be responsible for all costs associated with the installation and construction of the Facility and associated interconnection equipment on the Interconnecting Customer's side of the PCC, less any System Improvements.

5.3 System Modification Costs

The Interconnecting Customer shall also be responsible for all costs reasonably incurred by Company attributable to the proposed interconnection project in designing, constructing, operating and maintaining the System Modifications. At the time that the Company provides an Interconnecting Customer with any Impact Study or Detailed Study, the Company shall also provide, along with that Study, a statement of the Company's policies on collection of tax gross-ups. As appropriate, to the extent that subsequent Interconnecting Customers benefit from System Modifications that were paid for by an earlier Interconnecting Customer, the Company may assess a portion of the costs to such subsequent Interconnecting Customers, which will be refunded to the earlier Interconnecting Customer if actually collected. Such assessments may occur for a period of up to five years from the Effective Date of the earlier Interconnecting Customer's Interconnection Service Agreement.

5.4 Separation of Costs

Should the Company combine the installation of System Modifications with additions to the Company's EPS to serve other customers or interconnecting customers, the Company shall not include the costs of such separate or incremental facilities in the amounts billed to the Interconnecting Customer for the System Modifications required pursuant to this Interconnection Tariff.

The Interconnecting Customer shall only pay for that portion of the interconnection costs resulting solely from the System Modifications required to allow for safe, reliable parallel operation of the Facility with the Company EPS.

5.5 Normal Payment Procedure

All application, study fees, and System Modification costs (except as noted below) are due in full prior to the execution of the work as outlined in this Interconnection Tariff. If the anticipated costs exceed \$25,000, the Interconnecting Customer is eligible for a payment plan, including a payment and construction schedule with milestones for both parties. At the request of the Interconnecting Customer, the Company will break the costs into phases in which the costs will be collected prior to Company expenditures for each phase of the study and/or construction including ordering equipment. The payment plan will be attached as an exhibit to the ISA or relevant study agreements. The Company will not be required to initiate any work for which advanced payment has not been received.

5.6 Security and Creditworthiness

In order for the Company to agree to any payment plan where some work may be performed in advance of payment, the Company may require the Interconnecting Customer to provide evidence of creditworthiness. In the event that Interconnecting Customer cannot provide such evidence to the satisfaction of the Company, then the Company may require the Interconnecting Customer to provide sufficient security in order to take advantage of a payment plan. Interconnecting Customer acknowledges that it will be responsible for the actual costs of the System Modifications described in the attached exhibit to the Interconnection Service Agreement, whether greater or lesser than the amount of the payment security provided under this section.

6.0 Operating Requirements

6.1 General Operating Requirements

Interconnecting Customer shall operate and maintain the Facility in accordance with the applicable manufacturer's recommended maintenance schedule, in compliance with all aspects of the Company's Interconnection Tariff. The Interconnecting Customer will continue to comply with all applicable laws and requirements after interconnection has occurred. In the event the Company has reason to believe that the Interconnecting Customer's installation may be the source of problems on the Company EPS, the Company has the right to install monitoring equipment at a mutually agreed upon location to determine the source of the problems. If the Facility is determined to be the source of the problems, the Company may require disconnection as outlined in Section 7.0 of this Interconnection Tariff. The cost of this testing will be borne by the Company unless the Company demonstrates that the problem or problems are caused by the Facility or if the test was performed at the request of the Interconnecting Customer.

6.2 No Adverse Effects; Non-interference

Company shall notify Interconnecting Customer if there is evidence that the operation of the Facility could cause disruption or deterioration of service to other Customers served from the same Company EPS or if operation of the Facility could cause damage to Company EPS or Affected Systems. The deterioration of service could be, but is not limited to, harmonic

injection in excess of IEEE Standard 1547-2003, as well as voltage fluctuations caused by large step changes in loading at the Facility. Each Party will notify the other of any emergency or hazardous condition or occurrence with its equipment or facilities which could affect safe operation of the other Party's equipment or facilities. Each Party shall use reasonable efforts to provide the other Party with advance notice of such conditions.

The Company will operate the EPS in such a manner so as to not unreasonably interfere with the operation of the Facility. The Interconnecting Customer will protect itself from normal disturbances propagating through the Company EPS, and such normal disturbances shall not constitute unreasonable interference unless the Company has deviated from Good Utility Practice. Examples of such disturbances could be, but are not limited to, single-phasing events, voltage sags from remote faults on the Company EPS, and outages on the Company EPS. If the Interconnecting Customer demonstrates that the Company EPS is adversely affecting the operation of the Facility and if the adverse effect is a result of a Company deviation from Good Utility Practice, the Company shall take appropriate action to eliminate the adverse effect.

6.3 Safe Operations and Maintenance

Each Party shall operate, maintain, repair, and inspect, and shall be fully responsible for, the facility or facilities that it now or hereafter may own unless otherwise specified in this Interconnection Tariff. Each Party shall be responsible for the maintenance, repair and condition of its respective lines and appurtenances on their respective side of the PCC. The Company and the Interconnecting Customer shall each provide equipment on its respective side of the PCC that adequately protects the Company's EPS, personnel, and other persons from damage and injury.

6.4 Access

The Company shall have access to the disconnect switch of the Facility at all times.

6.4.1 Company and Interconnecting Customer Representatives

Each Party shall provide and update as necessary the telephone number that can be used at all times to allow either Party to report an emergency.

6.4.2 Company Right to Access Company-Owned Facilities and Equipment

If necessary for the purposes of this Interconnection Tariff and in the manner it describes, the Interconnecting Customer shall allow the Company access to the Company's equipment and the Company's facilities located on the Interconnecting Customer's or Customer's premises. To the extent that the Interconnecting Customer does not own all or any part of the property on which the Company is required to locate its equipment or facilities to serve the Interconnecting Customer under this Interconnection Tariff, the Interconnecting Customer shall secure and provide in favor of the Company the necessary rights to obtain access to such equipment or facilities, including easements if the circumstances so require.

6.4.3 Right to Review Information

The Company shall have the right to review and obtain copies of Interconnecting Customer's operations and maintenance records, logs, or other information such as, unit availability, maintenance outages, circuit breaker operation requiring manual reset, relay targets and unusual events pertaining to Interconnecting Customer's Facility or its interconnection with the Company EPS. This information will be treated as customer-confidential and only used for the purposes of meeting the requirements of Section 4.2.4.

7.0 Disconnection

7.1 Temporary Disconnection

- a. **Emergency Conditions.** Company shall have the right to immediately and temporarily disconnect the Facility without prior notification in cases where, in the reasonable judgment of Company, continuance of such service to Interconnecting Customer is imminently likely to (i) endanger persons or damage property or (ii) cause a material adverse effect on the integrity or security of, or damage to, Company EPS or to the electric systems of others to which the Company EPS is directly connected. Company shall notify Interconnecting Customer promptly of the emergency condition. Interconnecting Customer shall notify Company promptly when it becomes aware of an emergency condition that affects the Facility that may reasonably be expected to affect the Company EPS. To the extent information is known, the notification shall describe the emergency condition, the extent of the damage or deficiency, or the expected effect on the operation of both Parties' facilities and operations, its anticipated duration and the necessary corrective action.
- b. Routine Maintenance, Construction and Repair. Company shall have the right to disconnect the Facility from the Company EPS when necessary for routine maintenance, construction and repairs on the Company EPS. The Company shall provide the Interconnecting Customer with a minimum of seven calendar days planned outage notification consistent with the Company's planned outage notification protocols. If the Interconnecting Customer requests disconnection by the Company at the PCC, the Interconnecting Customer will provide a minimum of seven days notice to the Company. Any additional notification requirements will be specified by mutual agreement in the Interconnection Service Agreement. Company shall make an effort to schedule such curtailment or temporary disconnection with Interconnecting Customer.
- c. **Forced Outages.** During any forced outage, Company shall have the right to suspend interconnection service to effect immediate repairs on the Company EPS; provided, however, Company shall use reasonable efforts to provide the Interconnecting Customer with prior notice. Where circumstances do not permit such prior notice to Interconnecting Customer, Company may interrupt Interconnection Service and disconnect the Facility from the Company EPS without such notice.

- d. **Non-Emergency Adverse Operating Effects.** The Company may disconnect the Facility if the Facility is having an adverse operating effect on the Company EPS or other customers that is not an emergency, and the Interconnecting Customer fails to correct such adverse operating effect after written notice has been provided and a maximum of 45 days to correct such adverse operating effect has elapsed.
- e. **Modification of the Facility.** Company shall notify Interconnecting Customer if there is evidence of a material modification to the Facility and shall have the right to immediately suspend interconnection service in cases where such material modification has been implemented without prior written authorization from the Company.
- f. **Re-connection.** Any curtailment, reduction or disconnection shall continue only for so long as reasonably necessary. The Interconnecting Customer and the Company shall cooperate with each other to restore the Facility and the Company EPS, respectively, to their normal operating state as soon as reasonably practicable following the cessation or remedy of the event that led to the temporary disconnection.

7.2 Permanent Disconnection

The Interconnecting Customer has the right to permanently disconnect at any time with 30 days written notice to the Company.

The Company may permanently disconnect the Facility upon termination of the Interconnection Service Agreement in accordance with the terms thereof.

8.0 Metering, Monitoring, and Communication

This Section sets forth the rules, procedures and requirements for metering, monitoring and communication between the Facility and the Company EPS where the Facility exports power or is net metered or is otherwise subject to NEPOOL requirements. Interconnecting Customer will be responsible for reasonable and necessary costs incurred by Company for the purchase, installation, operation, maintenance, testing, repair and replacement of metering and data acquisition equipment specified in the Attachments to the Interconnection Service Agreement. Interconnecting Customer's metering (and data acquisition, as required) equipment shall conform to rules and applicable operating requirements.

8.1 Metering, Related Equipment and Billing Options

The Company shall furnish, read and maintain all revenue metering equipment. The Interconnecting Customer shall furnish and maintain all meter mounting equipment such as or including meter sockets, test switches, conduits, and enclosures. The Company shall own the meter and the Interconnecting Customer shall pay to the Company a monthly charge to cover taxes, meter maintenance, incremental reading and billing costs, the allowable return on the invoice cost of the meter and the depreciation of the meter. These charges are set

forth in the applicable Company tariff(s), as amended from time to time. Metering requirements and associated charges for Qualifying Facilities and On-Site Generating Facilities are set forth in the applicable Company tariff(s), as amended from time to time. All metering must meet the requirements contained in the Company's Electric Service Bulletin (ESB) 750, section 7; Metering, as may be amended from time to time.

The Interconnecting Customer shall provide suitable space within the Facility for installation of the metering, and communication equipment at no cost to the Company.

All metering equipment installed pursuant to this Interconnection Tariff and associated with the Facility shall be routinely tested by the Company at Interconnecting Customer's expense, in accordance with applicable Company and/or ISO-NE criteria, rules and standards. If, at any time, any metering equipment is found to be inaccurate by a margin greater than that allowed under applicable criteria, rules and standards, the Company shall cause such metering equipment to be made accurate or replaced. The cost to repair or replace the meter shall be borne by the Customer. Meter readings for the period of inaccuracy shall be adjusted so far as the same can be reasonably ascertained; provided, however, no adjustment prior to the beginning of the preceding month shall be made except by agreement of the Parties. Each Party shall comply with any reasonable request of the other concerning the sealing of meters, the presence of a representative of the other Party when the seals are broken and the tests are made, and other matters affecting the accuracy of the measurement of electricity delivered from the Facility. If either Party believes that there has been a meter failure or stoppage, it shall immediately notify the other.

If the Metering Point and the Point of Receipt or Point of Delivery are not at the same location, the metering equipment shall record delivery of electricity in a manner that accounts for losses occurring between the Metering Point and the Point of Receipt or Point of Delivery. Losses between the Metering Point and Point of Receipt will be reflected pursuant to applicable Company, NEPOOL or ISO-NE criteria, rules or standards.

The type of metering equipment to be installed at a Facility is dependent on the (size) of the Facility and how and if the Facility plans to export power or net meter. For those that will export power or net meter, the available equipment options and associated requirements are:

• Net Metering – For Facilities described in the Company's Net Metering Provision, the Facilities will be equipped with net metering in which metering equivalent to or replicating that of a standard distribution class meter is installed and is enabled to run in a normal direction during periods of net consumption and to run backwards during periods of net generator output. All metering equipment included in this type of installation, including self-contained meters and instrument transformers and meters, shall meet ANSI C12.1 Metering Accuracy Standards and ANSI C57.13 accuracy requirements for instrument transformers. For net-metered units over 25 kW, remote access will be required. The Interconnecting Customer shall be responsible for providing all necessary leased or wireless telephone lines and any necessary protection for leased lines to remotely access these meters. In the event a wireless meter is requested, and the request is granted by the Company, the Interconnecting Customer will be

- responsible for all wireless communication charges paid on behalf of the Interconnecting Customer by the Company.
- Renewable Energy Growth Program For Facilities enrolled in the Company's Renewable Energy Growth Program, metering shall be installed in parallel with the existing metering on-site (if applicable)
- kW: Bi-directional, non-interval meter without remote access in which a distribution class meter with import and export capabilities is installed. Import capabilities will record energy flows from the Company to the Facility during periods when the Facility is a net consumer of energy (the export function will record no flow during these periods) and an export capabilities will record energy flows from the Facility to the Company during periods when the Facility is a net producer of energy (the import function will record no flow during these periods). The import and export capabilities will record total flows only and will not record flows during specific intervals. All metering equipment included in this type of installation, including self-contained meters and instrument transformers and meters, shall meet ANSI C12.1 Metering Accuracy Standards and ANSI C57.13 accuracy requirements for instrument transformers.
- Renewable Energy Growth Program and other non-net metered units over 25 kW: Bi-directional, interval meter with remote access – in which a distribution class meter with import and export capabilities is installed. Import capabilities will record energy flows from the Company to the Facility during periods when the Facility is a net consumer of energy (the export function will record no flow during these periods) and an export capabilities will record energy flows from the Facility to the Company during periods when the Facility is a net producer of energy (the import function will record no flow during these periods). The import and export capabilities will record total flows as well as flows during hourly intervals. In addition, the meters will be equipped with remote access capability that may include communication to the extent required by applicable NEPOOL standards. Any existing Company meter on the Interconnecting Customer's premise will be changed to an interval meter and will require remote access as outlined below. All metering equipment included in this type of installation shall meet the requirements contained in NEPOOL Operating Procedure No. 18, "Metering and Telemetering Criteria" and the Company's Electric Service Bulletin (ESB) 750, section 7; Metering, as may be amended from time to time. Copies of both publications are available from the Company upon request. The Interconnecting Customer shall be responsible for providing all necessary leased or wired telephone lines and any necessary protection for leased lines to remotely access these meters. In the event that an Interconnecting Customer requests a wireless meter and the Company grants the request, the Interconnecting Customer will be responsible for all wireless communication charges paid on behalf of the Interconnecting Customer by the Company. In addition, the Interconnecting Customer is responsible for all communication required by ISO-NE, or by ISO-NE's designated satellite. The Interconnecting Customer shall maintain all communication and transducer equipment at the Facility in accordance with ISO-NE criteria, rules and standards.

Units over 5 MW: Facilities which are greater than or equal to 5 MW or in aggregate with other Facilities on the same feeder and near the point of interconnection are 5 MW or greater are governed by NEPOOL Operating Procedures No. 14 and No. 18 and are required to provide communication equipment and to supply accurate and reliable information to system operators regarding metered values for MW, MVAR, volt, amp, frequency, breaker status and all other information deemed necessary by ISO-NE and the NEPOOL Satellite (REMVEC) as well as a 24/7 contact name and phone number for operational instructions from the ISO-NE.

8.2 Additional Monitoring and Communication Requirements

As the amount of distributed generation on the Company EPS grows significantly, additional monitoring and communication may be required by the Commission pursuant to a future proceeding.

9.0 Dispute Resolution Process

The Dispute Resolution Process is a multi-stage process described below, beginning with negotiation, then mediation, followed by non-binding arbitration and then adjudication. All days in this Section are calendar days.

9.1 Good Faith Negotiation

- a. One party submits a request in writing to the other party for initiation of Step 9.1 of the Dispute Resolution Process. The Parties will elevate the dispute to a Vice President or senior management with sufficient authority to make a decision.
- b. If, after 8 days, the dispute is still not resolved, one or both Parties may initiate Section 9.2.a

9.2 Mediation/Non-binding Arbitration

- a. One party to the dispute requests dispute resolution assistance by submitting a written request to the Commission, with a summary of the situation. The party requesting dispute resolution ("Requesting Party") assistance shall provide a copy of the written request to the other party at the same time that it submits its written request to the Commission. Within ten business days after the written request to the Commission for dispute resolution, the other party shall also submit a summary of the situation to the Commission and provide a copy of the summary to the Requesting Party.
- b. Within 17 business days of the submission of a petition to convene the Dispute Resolution Process, the Parties will meet with Commission staff at a date and time set by the Commission staff. During that meeting, the Commission staff may assist the parties in attempting to resolve the outstanding differences, or shall provide two options to the parties: (1) to engage with the Commission staff to attempt to resolve the dispute or make recommendations to the Commission or (2) to proceed with

formal mediation/arbitration as set forth in 9.2.c-l.

In the event the parties choose to engage the assistance of the Commission staff, the Commission staff will set a reasonable schedule for the submission of any discovery issued by the Commission staff and for a subsequent meeting with the parties. The matter will proceed as directed by the Commission staff and any party may request to move to the formal third-party mediation/arbitration set forth in 9.2.c-l prior to the final meeting conducted by the Commission staff. Any information obtained by the Commission staff, maintained by the Commission Clerk, shall be made available to the third-party mediator/arbitrator. Within ninety (90) business days of the convening of the Dispute Resolution Process, the Commission staff shall submit a summary of the dispute resolution process with the resolution, if one was agreed to, or recommendations to the Commission for its review under Rule 9.3.

- c. If the differences are not resolved in Step 9.2.b, the Commission will provide a list of qualified neutrals and manage the selection of individual neutrals for the case. The Commission will use a list of pre-qualified neutrals maintained at the Commission and, the Parties will select a mutually agreeable mediator pursuant to a reverse-strike-out process¹ or another mutually-agreeable method. If either party requests a technical expert, both a mediator and a technical expert will be selected, and the technical expert will be selected using the same strike out process or another mutually-agreeable method as that used for selection of the mediator.
- d. Parties will complete the neutral selection process with the Commission within seven days. This timetable will only be possible if the Commission has, during the initial 14 days, identified mediators and technical experts who have the time available to assist the Parties in a timely manner.
- e. The Commission will arrange for the selected mediator to contact Parties.
- f. The Parties will contract with neutrals for services, splitting the fees 50/50.
- g. The mediator begins by discussing the case with the disputing Parties to assess the scope of issues and understand the Parties' positions and interests. The mediator and Parties will establish a schedule for completion of mediation within 30 days. Ten days after the 30-day time period begins, the Commission will issue a public notice of the proceeding and will schedule a pre-hearing conference for Section 9.3. The mediator will assist the Parties in developing a scope of work for the technical expert if one is needed. The mediator will also assist the Parties in estimating the Dispute Resolution Process costs and addressing any concerns about those costs.
- h. Mediation meeting or meetings are held.
- i. If the Parties reach agreement, the Dispute Resolution Process ends here.

¹ A "reverse strike out process" involves each party eliminating the least desirable mediator until one is left standing.

- j. If the Parties do not reach a mediated agreement, the neutral(s) will issue a brief recommended solution or decision.
- k. If the Parties accept the neutral's recommendation, the Dispute Resolution Process ends here.
- 1. If one or both Parties do not accept the neutral recommendation and there is still no agreement, the dispute proceeds to Step 9.3.

9.3 Commission Adjudicatory Hearing

The goal of this Step is an adjudicatory hearing at the Commission, with witnesses, evidence, etc. that results in a binding precedential decision, appealable to the Rhode Island Supreme Court.

- a. In the event a party does not accept the recommendation in Step 9.2, it may request, in writing, a Commission adjudication.
- b. The Commission holds a pre-hearing conference for which notice has been provided in accordance with Section 9.2.g. The Parties, to the extent desirable and feasible, exchange information and establish an expedited schedule during the pre-hearing conference.
- c. The Commission and the Parties engage in pre-hearing discovery, as needed in the specific case, building on the information developed in Step 9.2, including the mediator's recommendation.
- d. The Commission conducts a hearing.
- e. The Parties file briefs, if one or both desire to do so or the Commission requests they do so. The Parties and the Commission will complete Step 9.3.b through 9.3.e in 90 days.
- f. The Commission issues its order within 20 days. If it is unable to do so, it will notify the Parties and provide a revised decision date.

The Commission will appoint a hearing officer or other Commission staff person familiar with the DG interconnection process in Rhode Island to oversee the selection of private neutrals and otherwise serve as a resource for DG cases.

10.0 Insurance Requirements

10.1 General Liability

- 10.1(a) In connection with Interconnecting Customer's performance of its duties and obligations under the Interconnection Service Agreement, Interconnecting Customer shall maintain, during the term of the Agreement, general liability insurance with a combined single limit of not less than:
 - i. Five million dollars (\$5,000,000) for each occurrence and in the aggregate if the Gross Nameplate Rating of Interconnecting Customer's Facility is greater than five (5) MW;
 - ii. Two million dollars (\$2,000,000) for each occurrence and five million dollars (\$5,000,000) in the aggregate if the Gross Nameplate Rating of Interconnecting Customer's Facility is greater than one (1) MW and less than or equal to five (5) MW;
 - iii. One million dollars (\$1,000,000) for each occurrence and in the aggregate if the Gross Nameplate Rating of Interconnecting Customer's Facility is greater than one hundred (100) kW and less than or equal to one (1) MW;
 - iv. Five hundred thousand dollars (\$500,000) for each occurrence and in the aggregate if the Gross Nameplate Rating of Interconnecting Customer's Facility is greater than ten (10) kW and less than or equal to one hundred (100) kW, except for eligible net metered customers which are exempt from insurance requirements.
- 10.1(b) No insurance is required for a Facility with a Gross Nameplate Rating less than or equal to 50 kW that is eligible for net metering. However, the Company recommends that the Interconnecting Customer obtain adequate insurance to cover potential liabilities.
- 10.1(c) Any combination of General Liability and Umbrella/Excess Liability policy limits can be used to satisfy the limit requirements stated above.
- 10.1(d) The general liability insurance required to be purchased in this Section may be purchased for the direct benefit of the Company and shall respond to third party claims asserted against the Company (hereinafter known as "Owners Protective Liability"). Should this option be chosen, the requirement of Section 10.2(a) will not apply but the Owners Protective Liability policy will be purchased for the direct benefit of the Company and the Company will be designated as the primary and "Named Insured" under the policy.
- 10.1(e) The insurance hereunder is intended to provide coverage for the Company solely with respect to claims made by third parties against the Company.

10.1(f) In the event the State of Rhode Island and the Providence Plantations, or any other governmental subdivision thereof subject to the claims limits of R.I.G.L. Chapter 9-31 (hereinafter referred to as the "Governmental Entity") is the Interconnecting Customer, any insurance maintained by the Governmental Entity shall contain an endorsement that strictly prohibits the applicable insurance company from interposing the claims limits of R.I.G.L. Chapter 9-31 as a defense in either the adjustment of any claim, or in the defense of any lawsuit directly asserted against the insurer by the Company. Nothing herein is intended to constitute a waiver or indication of an intent to waive the protections of R.I.G.L. Chapter 9-31 by the Governmental Entity. The Interconnecting Customer must provide proof of their eligibility to be classified a Governmental Entity.

10.2 Insurer Requirements and Endorsements

All required insurance shall be carried by reputable insurers qualified to underwrite insurance in Rhode Island having a Best Rating of "A-". In addition, all insurance shall, (a) include Company as an additional insured; (b) contain a severability of interest clause or crossliability clause; (c) provide that Company shall not incur liability to the insurance carrier for payment of premium for such insurance; and (d) provide for thirty (30) calendar days' written notice to Company prior to cancellation, termination, or material change of such – insurance; provided that to the extent the Interconnecting Customer is satisfying the requirements of subpart (e) of this paragraph by means of a presently existing insurance policy, the Interconnecting Customer shall only be required to make good faith efforts to satisfy that requirement and will assume the responsibility for notifying the Company as required above.

10.3 Evidence of Insurance

Evidence of the insurance required shall state that coverage provided is primary and is not in excess to or contributing with any insurance or self-insurance maintained by Interconnecting Customer.

The Interconnecting Customer is responsible for providing the Company with evidence of insurance in compliance with this Interconnection Tariff on an annual basis.

Prior to the Company commencing work on System Modifications, and annually thereafter, the Interconnecting Customer shall have its insurer furnish to the Company certificates of insurance evidencing the insurance coverage required above. The Interconnecting Customer shall notify and send to the Company a certificate of insurance for any policy written on a "claims-made" basis. The Interconnecting Customer will maintain extended reporting coverage for three years on all policies written on a "claims-made" basis.

In the event that an Owners Protective Liability policy is provided, the original policy shall be provided to the Company.

Dispute Resolution	Timeline
Step 9.1: Good faith negotiation – party submits a request in writing to the other party	-
Parties elevate dispute to VP or Sr. Mgt for decision	Within 8 days
If dispute not resolved to step 9.2	_
Step 9.2: Submit a written request to the Commission	_
Meet with Commission hearing officer to convene dispute resolution process	Within 17 days
If needed, neutral third party and technical expert are selected	Within 7 days
Public notice of mediation process	Within 10 days of the 30 days listed below
Mediation process	Within 30 days
If still not resolved proceed to step 9.3	_
Step 9.3: Adjudicatory hearing	Within 90 days
Commission issues order	Within 20 days

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 Tariff 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 \leq 10 kW single-phase or \leq 25 kW three-phase, or (2) connecting to spot network electric power systems with power ratings of \leq 15 kW single-phase. Please attach any documentation provided by the inverter manufacturer concerning the UL 1741 listing provided by the manufacturer.

Mail all material to: COMPANY SPECIFIC ADDRESS

The Simplified 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 3 business days of receipt.
 - c. 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 approval line and sends to the Interconnecting Customer. In certain rare circumstances, the Company may require the Interconnecting Customer to pay for minor 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 minor System Modifications. If the Interconnecting Customer approves, the Company performs the System Modifications. Then, the Company signs the application approval line and sends 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. The Interconnecting Customer returns the Certificate of Completion to the Company.
- 6. Following receipt of the Certificate of Completion, the Company may inspect the Facility for compliance with standards by arranging for a Witness Test. The Interconnecting Customer has no right to operate in parallel (interconnect) until a Witness Test has been performed or has been previously waived on the Application Form. The Company is obligated to complete this Witness Test within 10 business days of the receipt of the Certificate of Completion. If the Company does not inspect in 10 business days or by mutual agreement of the Parties, the Witness Test is deemed waived.
- 7. 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.

<u>Contact Information</u>: 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. Include the percentage ownership (if any) by any Company or public utility holding company, or by any entity owned by either.

<u>Generating Facility Information</u>: 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.

<u>UL 1741 Listed?</u> The standard UL 1741, "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. This term "Listed" is then marked on the equipment and supporting documentation.

Eligibility Requirements for the Renewable Energy Growth (REG) Program

Introduction

To be eligible, a Small-Scale Solar Project must meet certain requirements, and National Grid will review the interconnection application to determine whether the project meets these requirements. Projects that do not meet eligibility requirements will be disqualified from the REG Program.

Eligible Applicant

An Applicant must be in good standing with regard to obligations to National Grid. Such obligations include but are not limited to being current with amounts due on the electric service account(s) or fulfilling the requirements of an approved payment plan.

Eligible Facilities

To be eligible as a Small-Scale Solar Project, a project must: (1) be a Small-Scale Solar renewable energy resource; (2) have a nameplate capacity equal to or less than 25 kW; and (3) interconnect with the Company's electric power system. A Small-Scale Solar Project's nameplate capacity is the total rated power output of all solar panels measured in DC. Before applying to the RE Growth Program, a project must not be: (1) already operating; or (2) under construction, except for preparatory site work that is less than twenty-five percent (25%) of the estimated total project cost.

Residential

To be eligible as a Residential Small-Scale Solar Project, a project must be located at a National Grid customer's residence where the residential customer receives electric service under the Company's residential rate schedules as provided for in the tariffs govering the REG Program, as may be amended from time to time.

Non-Residential

Any Small-Scale Solar Project that is not eligible to enroll as a Residential Small-Scale Solar Project will be enrolled as a Non-Residential Small-Scale Solar Project. Note that these projects may also be configured for net metering but are not required to do so. These projects will receive retail delivery service pursuant to the Company's small and medium rate schedules as provided for in the tariffs governing the REG Program, as may be amended from time to time.

Prohibition on Project Segmentation

Project segmentation occurs when one distributed generation project is divided or segregated into multiple projects on a single parcel or on contiguous parcels in order to qualify under smaller size project classifications.

Under the REG Program, project segmentation is not allowed. However, a project developer may designate an additional distributed generation unit or portion of a unit on the same parcel or on a contiguous parcel for net metering or for other means of participating in electricity markets, as long as any such unit or portion of such unit: (1) is not receiving Performance-Based Incentives through the REG Program; (2) is segregated electrically; and (3) is separately metered.

A distributed generation project is not considered segmented if: (1) at least twenty-four (24) months elapse between the operating start-date of the distributed generation project and the start of construction of new

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The Narragansett Electric Company Standards for Connecting Distributed Generation

distributed generation unit(s) on the same parcel or a contiguous parcel; or (2) the distributed generation projects use different renewable resources.

Exhibit A - Simplified Process Interconnection Application and Service Agreement

Contact Information (PRINT):		
Customer or Contact Name:	Company Name:_	
Mailing Address:		
City:	State:	Zip Code:
Telephone (Primary):	Telephone (Secondary)):
Fax:	E-Mail (s):	
Alternative Contact Information (e.g., sy	ystem installation contractor or coordin	nating company, if appropriate):
Contact Name:	Company Name:	
Mailing Address:		
City:	State:	Zip Code:
Telephone (Primary):	Telephone (Secondary)):
Fax:	E-Mail (s):	
Electrical Contractor Contact Information	on (if appropriate):	
Name (Print):		
Mailing Address:		Telephone:
City:		
State:		
Zip Code:		
Ownership Information (include % own		
Facility Information:		
Address of Facility:		
City:		
Electric Service Company: National Gri	d Account Number:	Meter Number:
Work Request Number (For Upgrades o	r New Service):	
Inverter Manufacturer:	Model Name and Num	ber: Quantity:
Nameplate Rating: (kW)	(kVA) (AC Volts)	Single or Three Phase
System Design Capacity:(k	W) (kVA) For Solar PV prov	ride the DC-STS rating:(kW)
Prime Mover: Photovoltaic Recipro	cating Engine 🗌 Fuel Cell 🔲 T	Curbine Other
Energy Source: Solar Wind Hyd		
IEEE 1547.1 (UL 1741) Listed? Yes 🗌	No Generating system already exi	sts on current account? Yes \(\square\) No \(\square\)
<u>Customer Program Elections</u> :		
A customer may make a program election		
the customer's responses provided here requirements.	and other information to determine wh	nether the project meets these
Applying for Net Metering? Yes \(\simeg\) No	П	
Applying to Renewable Energy Growth		t be configured for Net Metering and the
Customer electric account(s) must be in		to cominguiou for the mactering and in
Is the Customer receiving electric service	e as Basic Residential Rate A-16 or Le	ow Income Rate A-60? Yes No
Does the Customer have site control for	the Project? Yes 🗌 No 🗌	
Is the Project already operating? Yes □] No [(If yes, not eligible for Renew	vable Energy Growth Program)
Is the Project more than 25% constructe	d? ☐ Yes ☐ No (If yes, not eligible f	for Renewable Energy Growth Program

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Is the Project segmented (divided or split into multi qualify under smaller size project classifications)? [Program)				
Estimated Install Date:	Estimated In-Service Date:			
<u>Customer Signature</u>				
I hereby certify that, to the best of my knowledge, a agree to the Terms and Conditions on the following	*	nis application is true and I		
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 National Grid 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 \sum No \sup To be Determined \sum)				
National Grid Signature:	Title:	Date:		
Application ID number:				

Terms and Conditions for Simplified Process 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 Interconnection 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 Commission 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**. Except as precluded by the laws of the State of Rhode Island and the Providence Plantations, 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 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.

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- 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 Customer-Owned Generating Facilities, as approved by the Rhode Island Public Utilities Commission 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 for Simplified Process Interconnections

Installation Information:		Check if owner-installed
Customer or Company Name (print):		
Contact Person, if Company:		
Mailing Address:		
City:		
Telephone (Primary):		
Fax:	E-Mail (s):	
Address of Facility (if different from abo	ve):	
City:	State:	Zip Code:
Account Number:	Meter Number	
Electrical Contractor's Company or Nam	e (print):	
Electrician Name, if Company:		
Mailing Address:		
City:	State:	Zip Code:
Telephone (Primary):		
Fax:	E-Mail (s):	
License number:		
Date of approval to install Facility grante		
Inspection:		
The system has been installed and inspec	ted in compliance with the local Bu	ilding/Electrical Code of :
	(City/Town)	
Signed/Date (Local/Federal Electrical W Inspector, or attach signed electrical insp		
Wiring Inspector Name (printed):		
Telephone Number:		
Email Address:		

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 Distributed.Generation@nationalgrid.com.

Exhibit B - Generating Facility Expedited/Standard Pre-Application Report Form

State:	Zip Code:
(Evening):	
_ E-Mail Address:	
m installation contr	ractor or coordinating company)
State:	Zip Code:
(Evening):	
_ E-Mail Address:	
address with cross	streets, including town, and a Google Map still picture
guration:	
ling parasitic load)?	?
sed Facility site, pro	ovide:
Customer Account	Number
nd maximum (if ava	ailable) current or proposed electric loads
W:	
kW:	
	State:

7) Is new service or service upgrade needed?

<u>DISCLAIMER</u>: Be aware that this Pre-Application Report is simply a snapshot in time and is non-binding. System conditions can and do change frequently.

Exhibit C- Expedited/Standard Process Interconnection Application

Instructions (please do not submit this page)

General Information

If you wish to submit an application to interconnect your generating facility using the Expedited or Standard Process, please fill out all pages of the attached application form (not including this page of instructions). Once complete, please sign, attach the supporting documentation requested and enclose an application fee of \$3/kW (minimum of \$300 and maximum of \$2,500).

<u>Contact Information</u>: You must provide as a minimum the contact information of the legal applicant. If another party is responsible for interfacing with the Company (utility), you may optionally provide their contact information as well.

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

Generating Facility Information

<u>Account and Meter Numbers</u>: 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.

<u>UL 1741 Listed?</u> The standard UL 1741, "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. This "listing" is then marked on the equipment and supporting documentation.

<u>DEM Air Pollution Control Permit Needed?</u> A generating facility may be considered a point source of emissions of concern by the Rhode Island Department of Environmental Management (RIDEM). Therefore, when submitting this application, please indicate whether your generating facility will require an Air Pollution Control Permit. You must answer these questions, however, your specific answers will not affect whether your application is deemed complete. Please contact the RIDEM to determine whether the generating technology planned for your facility qualifies for a RIDEM waiver or requires a permit.

<u>Jurisdictional Statement</u>: The Company is a public utility subject to the concurrent jurisdiction of the Federal Energy Regulatory Commission (FERC) and the Rhode Island Public Utilities Commission (RIPUC). Pursuant to the Federal Power Act, FERC has jurisdiction over the transmission and sale of electric energy at wholesale in interstate commerce, including jurisdiction over certain generator interconnections. All of the Company's transmission facilities (including distribution facilities and certain generator interconnection facilities serving a FERC-jurisdictional transmission function) are: (1) subject to FERC jurisdiction; (2) under the operating authority of the regional transmission operator ISO New England Inc. (ISO-NE); and (3) subject to the terms and conditions of the ISO-NE Transmission, Markets and Services Tariff (ISO-NE Tariff).

As the result of this application for interconnection service, the Company may determine that the interconnection is under FERC jurisdiction. If this is the case, the Company may direct the Interconnecting Customer to submit an Interconnection Request to ISO-NE under the ISO-NE Tariff or, if an Interconnection Service Agreement (ISA) is executed between the Company and the Interconnecting Customer under this RIPUC Tariff, the Company may file a copy of the ISA with FERC.

Generating Facility Expedited/Standard Process Interconnection Application

Contact Information	Date Prep	pared:
Legal Name and address of Interconnecting C	ustomer (or, Com	pany name, if appropriate)
Customer or Company Name:	Contact Name:	
Mailing Address:		
City:	State:	Zip Code:
Telephone (Primary):	_ Telephone (Secon	ndary):
Fax:	E-Mail (s):	
Alternative Contact Information (e.g. system i Name:		ctor or coordinating company)
Mailing Address:		
City:		
Telephone (Primary):	_ Telephone (Secor	ndary):
Fax:	E-Mail (s):	
Ownership (include % ownership by any electric	c utility):	
Generating Facility Information		
Address of Facility (if different from above):		
City:	State:	Zip Code:
Electric Service Company: National Grid Acco	ount Number:	Meter Number:
Work Request Number (For Upgrades or New Se	ervice):	
Type of Generating Unit: Synchronous Inc	duction Inverte	er 🗌
Manufacturer:	M	lodel:
Nameplate Rating: (kW) (kVAr)	(Volts)	Single or Three Phase
Prime Mover: Fuel Cell Recip Engine Tur	rbine Photo Vol	Itaic Other Specify:
Energy Source: Solar Wind Hydro Di	esel 🗌 Natural Ga	s Fuel Oil Other Specify:
For Solar PV provide system DCC-STC rating:	(kW) Red	questing Feasibility Study? Yes No
Please fill out required fields in the form below f be considered complete unless all required fields		
Need an air quality permit from RIDEM? Yes□	No Not Sure	
If "yes", have you applied for it? Yes No		
For inverter based units – is the unit IEEE 1547.	1 (UL 1741) Listed?	? Yes No
Generating system already exists on current acco	ount? Yes No	
Planning to Export Power? Yes No	A Cogeneration	on Facility? Yes No
Will Customer generate more that 95% of their h	ourly consumption	on an annual basis? Yes No
Anticipated Export Power Purchaser:		

Purpose of Generating Facility:

PLEASE READ THE QUESTIONS BELOW CAREFULLY. YOU MUST NOTIFY THE COMPANY AS EARLY AS POSSIBLE IF YOUR ANSWERS TO THE QUESTIONS IN THIS SECTION WOULD BE DIFFERENT AT ANY POINT IN THE FUTURE.

1. Exporting Electricity?
Please check only a single response below.
☐ This Facility will never export any electricity to the electric grid.
OR
☐ This Facility will export electricity to the electric grid under the net metering tariff, and Schedule B is attached here.
OR
\square This Facility will export electricity to the electric grid and plans to enroll in the Renewable Growth tariff. If so, does the Facility have site control? \square Yes \square No
OR
☐ This Facility will export electricity to the electric grid under the net metering tariff, and Schedule B is attached here, and plans to enroll in the Renewable Growth tariff.
If so, does the Facility have site control? \(\subseteq \text{Yes} \subseteq \text{No} \)
OR
☐ I do not yet know whether this Facility will export electricity to the electric grid.
2. Net Annual Exporter of Electricity?
Please check only a single response below.
☐ This Facility will never export more electricity than it will consume over the course of one year.
OR
☐ This Facility will export more electricity than it will consume over the course of one year.
OR
☐ I do not yet know whether this Facility will export more electricity than it will consume over the course of one year.
3. Selling Electricity?
Please check only a single response below.
All of the electricity produced by this Facility will be sold to a customer who will seek net metering credits from the Company and use the credits on the customer's electricity accounts.
OR
\square All of the electricity produced by this Facility plans to be sold through the Renewble Energy Growth tariff. If so, does the Facility have site control? \square Yes \square No
OR
All of the electricity from this Facility will be sold directly into the regional wholesale electricity market. (For more information, please see: www.iso-ne.com/regulatory/tariff/sect_3/index.html .)
4. Seeking Capacity Revenue?
Please check only a single response below.
☐ This Facility will never seek capacity credit from the FCM.
OR
☐ This Facility will seek capacity credit from the ISO-New England Forward Capacity Market (FCM). (For more information, please see: www.iso-ne.com/markets/othrmkts_data/fcm/index.html .)
OR
☐ I do not yet know whether this Facility will seek capacity credit from the FCM.

5. Qualifying Facility (Certification?		
Please check only a sin	gle response below.		
☐ This Facility will no	ot seek QF status from FERC		
OR			
(FERC) as a Qualifying	ready sought or will seek cerng Facility (QF). (For more in es/electric/gen-info/qual-fac.	nformation, please see:	Energy Regulatory Commission
OR			
☐ I do not yet know w	hether this Facility will seek	QF status.	
Est. Install Date:	Est. In-Service Date: _	Agreement Need	ded By:
Est. Install Date:	Est. In-Service Date:	Agreem	ent Needed By:
Application Proces	<u>ss</u>		
	5		ided in this application is true:Date:
National Grid Signature	e:	Title:	Date:
	ty Technical Detail		Date:
	nents of the generating facilit ility is using a UL Listed inv		d equipment (i.e., primarily solar, y):
Equipment Type	Manufacturer	Model	National Standard
1			
3			
4			
5			
6			
	rating Units in Facility?		
	Factor Rating:		
-		-	ng Power Factor?
	ic Data (for all inverter-based	ŕ	
_	tribution Current?	Instar	ntaneous or RMS?
Harmonics Characterist	tics:		
Start-up power requirer			
Generator Characteristi	ic Data (for all rotating mach	ines)	
Rotating Frequency:	(rpm)	Neutral Grounding Resis	stor (If Applicable):
Additional Information	for Synchronous Generating	<u>g Units</u>	
Synchronous Reactance	e, Xd:(PU)	Transient Reactance, X'o	d:(PU)

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Subtransient Reactance, X''d:	(PU)	Neg Sequence Reactance, X ₂ :	(PU)
Zero Sequence Reactance, Xo:	(PU)	kVA Base:	
Field Voltage:	(Volts)	Field Current:	(Amps)
Additional information for Induction	Generating U	<u>nits</u>	
Rotor Resistance, Rr:		Stator Resistance, Rs:	
Rotor Reactance, Xr:		Stator Reactance, Xs:	
Magnetizing Reactance, Xm:		Short Circuit Reactance, Xd":	
Exciting Current:		Temperature Rise:	
Frame Size:			
Total Rotating Inertia, H:		Per Unit on kVA Base:	
Reactive Power Required In Vars (No	Load):		
Reactive Power Required In Vars (Fu	ll Load):		
Additional information for Induction	Generating U	nits that are started by motoring	
Motoring Power:		Design Letter:	
Additional information needed for Wi	ind turbines:		
Manufacturer's voltage flicker data (p	olease provide	e source documents):	
Estimated generation data (kW output the proposed site location (please pro-			or estimated wind data at

Interconnection	n Equipment	Technical Detail	<u>Date</u> :
Will a transformer o	r a grounding bank	be used between the generator and the	e point of interconnection? Yes \(\square\) No \(\square\)
Will the transformer	be provided by Inte	erconnecting Customer?	Yes 🗌 No 🔲
		Interconnecting Customer-Owned Tra ansformer or grounding bank):	ansformers including if a grounding bank is
Nameplate Rating:	(kV	VA)	Single or Three Phase
Transformer Impeda	nce:(%)	on akVA Base	
Transformer Primary	y:(Vo	olts) Delta 🗌 Wye 🔲 Wye Gro	unded Other
Transformer Second	ary:(Vo	olts) Delta 🗌 Wye 🔲 Wye Gro	unded Other
Transformer Fuse D	ata (if applicable, fo	or Interconnecting Customer-Owned I	Fuse):
(Attach copy of fu	ise manufacturer's M	Minimum Melt & Total Clearing Tim	ne-Current Curves)
Manufacturer:			ype:
Size:		S	peed:
Will a Neutral groun	nding reactor be insta	alled? Yes \(\square\) No \(\square\), if yes, pleas	se provide the following:
Thermal current ratio	ng: (amps)		
Continous current ra	ting: (amps),	at a rated time of(seconds))
Impedance: (ohms)		
Rated volage:	<u>(kV)</u>		
Interconnection Prot (If microprocessor-c	ective Relays (if appoint on trolled)		g Rating: Trip Speed: (Cycles) oftware:
Setpoint :	Function	Minimum	Maximum
1.			MANIMUM
2.			
3.			
4.			
5.			
6.			
(If discrete compone	ents)		
` .	· · · · · · · · · · · · · · · · · · ·	ver-current Coordination Curves)	
Manufacturer:	Type:	Style/Catalog No.:	Proposed Setting:
Manufacturer:	Type:	Style/Catalog No.:	Proposed Setting:
Manufacturer:	Type:	Style/Catalog No.:	Proposed Setting:
Manufacturer:	Type:	Style/Catalog No.:	Proposed Setting:
Manufacturer:	Type:	Style/Catalog No.:	Proposed Setting:
Manufacturer:	Type:	Style/Catalog No ·	Proposed Setting:

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Current Transformer Data (if applicable):				
(Enclose copy of Mar	nufacturer's Excita	tion & Ratio Correction Curves	5)	
Manufacturer:	Type:	Accuracy Class:	Proposed Ratio Connection:	
Manufacturer:	Type:	Accuracy Class:	Proposed Ratio Connection:	
Potential Transformer Data (if applicable):				
Manufacturer:	Type:	Accuracy Class:	Proposed Ratio Connection:	
Manufacturer:	Type:	Accuracy Class:	Proposed Ratio Connection:	

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The Narragansett Electric Company Standards for Connecting Distributed Generation

General Technical Detail	<u>Date</u> :
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E-mail a copy of the following to Distributed.Generation@nationalgrid.com

- Site electrical One-Line Diagram (relay settings should appear on one-line when applicable) showing the configuration of all generating facility equipment, current and potential circuits, and protection and control schemes with a stamp from a professional engineer (PE) registered in the state where the facility is located.
- Site plan that indicates the precise physical location of the following: a) proposed generating facility, b) external utility disconnect, c) all utility meters, d) location of proposed access to the facility, and, e) any public ways in the area (refer to the sample site plan on the National Grid website). If any of these locations change, provide an updated site plan prior to energizing the Facility
- Three-line diagram for non UL-1741 certified generator or multiple inverter projects, stamped by a Rhode Island Electrical Professional Engineer.
- Links or PDF copies of the specification sheets for the generator, protection equipment, transformer (s) and any other pieces of equipment deemed appropriate.

Mail the Interconnection Application (IA) fees check and first page of the signed IA to:

National Grid Attn: Distributed Generation 40 Sylvan Rd (E3.571A) Waltham, MA 02451-1120

ATTACHMENT 2

Certificate of Completion for Expedited/Standard Process Interconnections

Installation Information:		Check if owner-installed
Customer or Company Name (print):		
Contact Person, if Company:		
Mailing Address:		
City:		
Telephone (Primary):	Telephone (Secondary	/):
Fax:	E-Mail (s):	
Address of Facility (if different from abo	ove):	
City:	State:	Zip Code:
Account Number:	Meter Num	nber:
Electrical Contractor's Company or Nam	ne (print):	
Electrician Name, if Company:		
Mailing Address:		
City:		
Telephone (Primary):	Telephone (Secondary	/):
Fax:	E-Mail (s):	
License number:		
Date of approval to install Facility grante Application ID number:		
The system has been installed and inspec	eted in compliance with the local	Building/Electrical Code of:
(City/Town)		
Signed/Date (Local/Federal Electrical W Inspector, or attach signed electrical insp		
Wiring Inspector Name (printed):		
Telephone Number:		
Email Address:		

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 Distributed.Generation@national grid.com

Exhibit D – Supplemental Review Agreement

This Agreement, dated, is entered into by and between ("Interconnecting Customer") and the Company, for the purpose of setting forth the terms, conditions and costs for conducting a Supplemental Review relative to the Expedited Process as defined in Section 1.0 and outlined in Section 3.0 of the Interconnection Tariff. This Supplemental Review pertains to Application Number (the Interconnecting Customer's application ID number).
If the Supplemental Review determines the requirements for processing the application through the Expedited Process including any System Modifications, then the modification requirements, reasoning, and costs for these modifications will be identified and included in an executable Interconnection Service Agreement sent to the Interconnecting Customer for execution. If the Supplemental Review does not determine the requirements, it will include a proposed Impact Study Agreement as part of the Standard Process which will include an estimate of the cost of the study.
The Interconnecting Customer agrees to provide, in a timely and complete manner, all additional information and technical data necessary for the Company to conduct the Supplemental Review not already provided in the Interconnecting Customer's application.
All work pertaining to the Supplemental Review that is the subject of this Agreement will be approved and coordinated only through designated and authorized representatives of the Company and the Interconnecting Customer. Each party shall inform the other in writing of its designated and authorized representative, if different than what is in the application.
The Company shall perform the Supplemental Review for a fee not to exceed \$1,250. The Company anticipates that the Supplemental Review will cost \$ No work will be performed until payment is received.
Please indicate your acceptance of this Agreement by signing below.
Name:
Title:
Date:
Signature:

Exhibit E – Feasibility Study Agreement

Inte for Sec	s Agreement dated, is entered into by and between ("Renewable erconnecting Customer") and the Company, for the purpose of setting forth the terms, conditions and costs conducting an Feasibility Study relative to the Standard Process as defined in Section 1.0 and outlined in tion 3.0 of the Interconnection Tariff. This Feasibility Study pertains to Application Number (the erconnecting Customer's application ID number).
1.	The Renewable Interconnecting Customer agrees to provide, in a timely and complete manner, all additional information and technical data necessary for the Company to conduct the Feasibility Study not already provided in the Interconnecting Customer's application.
2.	All work pertaining to the Feasibility Study that is the subject of this Agreement will be approved and coordinated only through designated and authorized representatives of the Company and the Renewable Interconnecting Customer. Each party shall inform the other in writing of its designated and authorized representative, if different than what is in the application.
3.	Where there are other potentially Affected Systems, and no single Party is in a position to prepare an Feasibility Study covering all potentially Affected Systems, the Company will coordinate but not be responsible for the timing of any additional studies required to determine the impact of the interconnection request on other potentially Affected Systems. The Renewable Interconnecting Customer will be directly responsible to the potentially Affected System operators for all costs of any additional studies required to evaluate the impact of the interconnection on the potentially Affected Systems. The Company will not proceed with this Feasibility Study without the Renewable Interconnecting Customer's consent to have the other studies conducted.
4.	Feasibility Study, together with any additional studies contemplated in Paragraph 3, shall form the basis for the Renewable Interconnecting Customer's proposed use of the Company EPS and shall be furthermore utilized in obtaining necessary third-party approvals of any required facilities and requested distribution services. The Renewable Interconnecting Customer understands and acknowledges that any use of study results by the Interconnecting Customer or its agents, whether in preliminary or final form, prior to NEPOOL 18.4 approval, should such approval be required, is completely at the Renewable Interconnecting Customer's risk.
5.	The Feasibility Study fee of \$, as per table 2 in Section 3.5 of the interconnection tariff is due in full prior to the execution of the Feasibility Study.
6.	In the event this Agreement is terminated for any reason, the Company shall refund to the Renewable Interconnecting Customer the portion of the above fee or any subsequent payment to the Company by the Renewable Interconnecting Customer that the Company did not expend or commit in performing its obligations under this Agreement. Payments for work performed shall not be subject to refunding except in accordance with Paragraph 10 below.
7.	Nothing in this Agreement shall be interpreted to give the Renewable Interconnecting Customer immediate rights to wheel over or interconnect with the Company's EPS.

8. Except as precluded by the laws of the State of Rhode Island and the Providence Plantations, Renewable 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. Notwithstanding the foregoing, the Renewable Interconnecting Customer hereby waives recourse against the Company and its Affiliates for, and releases the Company and its Affiliates from, any and all liabilities arising from or attributable to incomplete, inaccurate, or otherwise faulty information supplied by the Renewable Interconnecting Customer. Any construction estimate provide as part of the Feasibility Study cannot be relied upon the by applicant for the purposes of holding the Company liable or responsible for its accuracy as long as the Company has provided the estimate in good faith.
- 10. If either party materially breaches any of its covenants hereunder, the other party may terminate this Agreement by serving notice of same on the other party to this Agreement.
- 11. This agreement shall be construed and governed in accordance with the laws of the State of Rhode Island and the Providence Plantations.
- 12. All amendments to this Agreement shall be in written form executed by both Parties.
- 13. The terms and conditions of this Agreement shall be binding on the successors and assigns of either Party.
- 14. This Agreement will remain in effect for a period of up to two years from its effective date.
- 15. This Agreement may be terminated under the following conditions.
 - a) The Parties agree in writing to terminate the Agreement.
 - b) The Renewable Interconnecting Customer may terminate this agreement at any time by providing written notice to Company.
 - c) The Company may terminate this Agreement if the Renewable Interconnecting Customer either:
 (1) has not paid the fee or, (2) has not responded to requests for further information in accordance with provisions in the Interconnection Tariff.

Renewable Interconnecting Customer	:: Narragan	Narragansett Electric Company d/b/a National Grid:	
Name:	Name:		
Title:	Title:		
Date:	Date:		
Signature:	Signature:		

Exhibit F – Impact Study or ISRDG Agreement

("Interd for cond Section	greement, dated, is entered into by and between, onnecting Customer') and the Company, for the purpose of setting forth the terms, conditions and costs ducting an Impact Study relative to the Standard Process as defined in Section 1.0 and outlined in 3.0 of the Interconnection Tariff. This Impact Study pertains to Application Number (the necting Customer's application ID number).
1.	The Interconnecting Customer agrees to provide, in a timely and complete manner, all additional information and technical data necessary for the Company to conduct the Impact Study not already provided in the Interconnecting Customer's application.
2.	All work pertaining to the Impact Study that is the subject of this Agreement will be approved and coordinated only through designated and authorized representatives of the Company and the Interconnecting Customer. Each party shall inform the other in writing of its designated and authorized representative, if different than what is in the application.
3.	Where there are other potentially Affected Systems, and no single Party is in a position to prepare an Impact Study covering all potentially Affected Systems, the Company will coordinate but not be responsible for the timing of any additional studies required to determine the impact of the interconnection request on other potentially Affected Systems. The Interconnecting Customer will be directly responsible to the potentially Affected System operators for all costs of any additional studies required to evaluate the impact of the interconnection on the potentially Affected Systems. The Company will not proceed with this Impact Study without the Interconnecting Customer's consent to have the other studies conducted.
4.	If the Company determines, in accordance with Good Utility Practice, that the System Modifications to the Company EPS are not substantial, the Impact Study will determine the scope and cost of the modifications and will, upon Interconnecting Customer's request, provide an executable ISA. If the Company determines, in accordance with Good Utility Practice, that the System Modifications to the Company EPS are substantial, and the Company is unable to provide an executable ISA, the Impact Study will produce an estimate for the known System Modification costs (within $\pm 25\%$) and a Detailed Study Agreement with its estimated cost.
5.	Impact Study, together with any additional studies contemplated in Paragraph 3, shall form the basis for the Interconnecting Customer's proposed use of the Company EPS and shall be furthermore utilized in obtaining necessary third-party approvals of any required facilities and requested distribution services. The Interconnecting Customer understands and acknowledges that any use of study results by the Interconnecting Customer or its agents, whether in preliminary or final form, prior to ISO Reliability Committee approval,, should such approval be required, is completely at the Interconnecting Customer's risk.
6.	The Impact Study fee of \$ (except as noted below) is due in full prior to the execution of the Impact Study. For a Renewable Interconnecting Customer the ISRDG Study fee is as per Table 2 in Section 3.5 of the interconnection tariff.

- 7. Final Accounting. If the Interconnecting Customer does not execute an ISA, the Company within ninety (90) business days after completion of the study and all Company work orders have been closed, shall provide Interconnecting Customer with a final accounting report of any difference between (a) Interconnecting Customer's cost responsibility under this agreement, and (b) Interconnecting Customer's previous aggregate payments to the Company for such study. To the extent that Interconnecting Customer's cost responsibility in this agreement exceedsInterconnecting Customer's previous aggregate payments, the Company shall invoice Interconnecting Customer and Interconnecting Customer shall make payment to the Company within forty-five (45) days. To the extent that Interconnecting Customer's previous aggregate payments exceed Interconnecting Customer's cost responsibility under this agreement, the Company shall refund to Interconnecting Customer an amount equal to the difference within forty-five (45) days of the provision of such final accounting report.
- 8. In the event this Agreement is terminated for any reason, the Company shall refund to the Interconnecting Customer the portion of the above fee or any subsequent payment to the Company by the Interconnecting Customer that the Company did not expend or commit in performing its obligations under this Agreement. Payments for work performed shall not be subject to refunding except in accordance with Paragraph 11 below.
- 9. Nothing in this Agreement shall be interpreted to give the Interconnecting Customer immediate rights to wheel over or interconnect with the Company's EPS.
- 10. Except as precluded by the laws of the State of Rhode Island and the Providence Plantations, 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.

Notwithstanding the foregoing, the Interconnecting Customer hereby waives recourse against the Company and its Affiliates for, and releases the Company and its Affiliates from, any and all liabilities arising from or attributable to incomplete, inaccurate, or otherwise faulty information supplied by the Interconnecting Customer. Moreover, with respect to an ISRDG provided to a Renewable Interconnecting Customer, the Company may not be held liable or responsible if the actual costs exceed the estimate as long as the estimate was provided in good faith and the interconnection was implemented prudently the Company.

- 11. If either party materially breaches any of its covenants hereunder, the other party may terminate this Agreement by serving notice of same on the other party to this Agreement.
- 12. This agreement shall be construed and governed in accordance with the laws of the State of Rhode Island and the Providence Plantations.
- 13. All amendments to this Agreement shall be in written form executed by both Parties.
- 14. The terms and conditions of this Agreement shall be binding on the successors and assigns of either Party.

- 15. This Agreement will remain in effect for a period of up to two years from its effective date.
- 16. This Agreement may be terminated under the following conditions.
 - a) The Parties agree in writing to terminate the Agreement.
 - b) The Interconnecting Customer may terminate this agreement at any time by providing written notice to Company.
 - c) The Company may terminate this Agreement if the Interconnecting Customer either: (1) has not paid the fee or, (2) has not responded to requests for further information in accordance with provisions in the Interconnection Tariff.

Interconnecting Customer:	Narragansett Electric Company d/b/a National	Narragansett Electric Company d/b/a National Grid:	
Name:	Name:		
Title:	Title:		
Date:	Date:		
Signature:	Signature:		

Exhibit G – Deta	iled Study	Agreement
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	Exhibit G – Detailed Study Agreement
("Interc for cond 3 of the	reement, dated, is entered into by and between onnecting Customer') and the Company, for the purpose of setting forth the terms, conditions and costs ducting an Detailed Study relative to the Standard process as defined in Section 1 and outlined in Section Interconnection Tariff. This Detailed Study pertains to Application Number (the Interconnecting er's application ID number).
1.	The Interconnecting Customer agrees to provide, in a timely and complete manner, all additional information and technical data necessary for the Company to conduct the Detailed Study not already provided in the Interconnecting Customer's application.
2.	All work pertaining to the Detailed Study that is the subject of this Agreement will be approved and coordinated only through designated and authorized representatives of the Company and the Interconnecting Customer. Each party shall inform the other in writing of its designated and authorized representative, if different than what is in the application.
3.	Where there are other Affected Systems identified by the Impact Studies, and no single Party is in a position to prepare a Detailed Study covering all Affected Systems, the Company will coordinate but not be responsible for the timing of any additional studies required to determine the System Modifications of the interconnection request on other Affected Systems. The Interconnecting Customer will be directly responsible to the Affected System operators for all costs of any additional studies required to evaluate the impact of the interconnection on the Affected Systems. The Company will not proceed with this Detailed Study without the Interconnecting Customer's consent to have the other studies conducted.
4.	The Company will provide an estimate of the costs of the System Modifications required as a result of the Detailed Study.
5.	The Detailed Study, together with any additional studies contemplated in Paragraph 3, shall form the basis for the Interconnecting Customer's proposed use of the Company EPS and shall be furthermore utilized in obtaining necessary third-party approvals of any required facilities and requested distribution services. The Interconnecting Customer understands and acknowledges that any use of study results by the Interconnecting Customer or its agents, whether in preliminary or final form, prior to NEPOOL 18.4 approval, should such approval be required, is completely at the Interconnecting Customer's risk.
6.	The Detailed Study fee of \$ (except as noted below) is due in full prior to the execution of the Detailed Study. If the anticipated cost exceeds \$25,000, the Interconnecting Customer is eligible for a payment plan, including a payment and construction schedule with milestones for both parties. At the request of the Interconnecting Customer, the Company will break the costs into phases in which the costs will be collected prior to Company expenditures for each phase of the study. The payment plan will be attached as an exhibit to the Detailed Study Agreement.
7.	The Company will, in writing, advise the Interconnecting Customer in advance of any cost increase for

or work to be performed up to a total amount of increase of 10% only. All costs that exceed the 10% increase cap will be borne solely by the Company. Any such changes to the Company's costs for the work shall be subject to the Interconnecting Customer's consent. The Interconnecting Customer shall, within thirty (30) days of the Company's notice of increase, authorize such increase and make payment in the amount up to the 10% increase cap, or the Company will suspend the work and the corresponding agreement will terminate.

Final Accounting. If the Interconnecting Customer does not execute an ISA, the Company within ninety (90) business days after completion of the study and all Company work orders have been closed, shall provide Interconnecting Customer with a final accounting report of any difference between (a) Interconnecting Customer's cost responsibility under this agreement, and (b) Interconnecting Customer's previous aggregate payments to the Company for such study. To the extent that Interconnecting Customer's cost responsibility in this agreement exceeds Interconnecting Customer's previous aggregate payments, the Company shall invoice Interconnecting Customer and Interconnecting Customer shall make payment to the Company within forty-five (45) days. To the extent that Interconnecting Customer's previous aggregate payments exceed Interconnecting Customer's cost responsibility under this agreement, the Company shall refund to Interconnecting Customer an amount equal to the difference within forty-five (45) days of the provision of such final accounting report.

- 8. In the event this Agreement is terminated for any reason, the Company shall refund to the Interconnecting Customer the portion of the above fee or any subsequent payment to the Company by the Interconnecting Customer that the Company did not expend or commit in performing its obligations under this Agreement. Payments for work performed shall not be subject to refunding except in accordance with Paragraph 9 below.
- 9. Nothing in this Agreement shall be interpreted to give the Interconnecting Customer immediate rights to wheel over or interconnect with the Company's EPS.
- 10. Except as precluded by the laws of the State of Rhode Island and the Providence Plantations, 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.

Notwithstanding the foregoing, the Interconnecting Customer hereby waives recourse against the Company and its Affiliates for, and releases the Company and its Affiliates from, any and all liabilities arising from or attributable to information supplied by the Interconnecting Customer.

- 11. This agreement shall be construed and governed in accordance with the laws of the State of Rhode Island and the Providence Plantations.
- 12. All amendments to this Agreement shall be in written form executed by both Parties.
- 13. The terms and conditions of this Agreement shall be binding on the successors and assigns of either Party.
- 14. This Agreement will remain in effect for a period of up to two years from its effective date.

R.I.P.U.C. No. Canceling R.I.P.U.C. No. 2078 Sheet 75

- 15. This Agreement may be terminated under the following conditions.
 - a) The Parties agree in writing to terminate the Agreement.
 - b) The Interconnecting Customer may terminate this agreement at any time by providing written notice to Company.
 - c) The Company may terminate this Agreement if the Interconnecting Customer either: (1) has not paid the fee or, (2) has not responded to requests for further information in accordance with provisions in the Interconnection Tariff.

Interconnecting Customer:	Narragansett Electric Company d/b/a National Gric	
Name:	Name:	
Title:	Title:	
Date:	Date:	
Signature:	Signature:	

Exhibit H – Interconnection Service Agreement

1.	Date") is entered into by and between a Rhode Island corporation with a
	Date") _is entered into, by and between, a Rhode Island corporation with a principal place of business at (hereinafter referred to as the "Company"), and, a corporation with a principal place of business at
	, a corporation with a principal place of business at
	("Interconnecting Customer"). (The Company and Interconnecting Customer are collectively referred to a the "Parties"). Terms used herein without definition shall have the meanings set forth in Section 1.2 of the Interconnection Tariff which is hereby incorporated by reference.
2.	Basic Understandings. This Agreement provides for parallel operation of an Interconnecting Customer's Facility with the Company EPS to be installed and operated by the Interconnecting Customer at (Facility name, address, and end-use customer account number, if
	applicable). A description of the Facility is located in Attachment 2. If the Interconnecting Customer is not the Customer, an Agreement between the Company and the Company's Retail Customer, attached as Exhibit G to the Interconnection Tariff, must be signed and included as an Attachment to this Agreement.
	The Interconnecting Customer has the right to operate its Facility in parallel with the Company EPS immediately upon successful completion of the protective relays testing as witnessed by the Company and receipt of written notice from the Company that interconnection with the Company EPS is authorized ("Authorization Date").
3.	Term . This Agreement shall become effective as of the Effective Date. The Agreement shall continue in full force and effect until terminated pursuant to Section 4 of this Agreement.
4.	Termination.
	4.1 This Agreement may be terminated under the following conditions.
	4.1.1 The Parties agree in writing to terminate the Agreement.
	4.1.2 The Interconnecting Customer may terminate this agreement at any time by providing sixty (60) days written notice to Company.
	4.1.3 The Company may terminate this Agreement upon the occurrence of an Event of Default by the Interconnecting Customer as provided in Section 18 of this Agreement.
	4.1.4 The Company may terminate this Agreement if the Interconnecting Customer either: (1) fails to energize the Facility within 12 months of the Authorization Date; or, (2) permanently abandons the Facility. Failure to operate the Facility for any consecutive 12 month period after the Authorization Date shall constitute permanent abandonment unless otherwise agreed to in writing between the Parties.

4.2 Survival of Obligations. The termination of this Agreement shall not relieve either Party of its liabilities and obligations, owed or continuing at the time of termination. Sections 5, 10, 12, 13, and 25 as it relates to disputes pending or for wrongful termination of this Agreement shall survive the termination of this Agreement.

perform its obligations under the terms of this Agreement.

4.1.5 The Company, upon 30 days notice, may terminate this Agreement if there are any changes in Commission regulations or state law that have a material adverse effect on the Company's ability to

4.3 Related Agreements. Any agreement attached to and incorporated into this Agreement shall terminate concurrently with this Agreement unless the Parties have agreed otherwise in writing.

- 5. General Payment Terms. The Interconnecting Customer shall be responsible for the System Modification costs and payment terms identified in Attachment 3 of this Agreement and any approved cost increases pursuant to the terms of the Interconnection Tariff. If the system modifications exceed \$25,000, Attachment 3 will include a payment and construction schedule for both parties.
 - **5.1 Cost or Fee Adjustment Procedures**. The Company will, in writing, advise the Interconnecting Customer in advance of any expected cost increase for work to be performed up to a total amount of increase of 10% only. Any such changes to the Company's costs for the work shall be subject to the Interconnecting Customer's consent. The Interconnecting Customer shall, within thirty (30) days of the Company's notice of increase, authorize such increase and make payment in the amount up to the 10% increase cap, or the Company will suspend the work and the corresponding agreement will terminate.
 - **5.2 Final Accounting**. The Company within ninety (90) business days after completion of the construction and installation of the System Modifications described in an attached exhibit to the Interconnection Service Agreement and all Company work orders have been closed, shall provide Interconnecting Customer with a final accounting report of any difference between (a) Interconnecting Customer's cost responsibility under the Interconnection Service Agreement for the actual cost of such System Modifications, and (b) Interconnecting Customer's previous aggregate payments to the Company for such System Modifications. To the extent that Interconnecting Customer's cost responsibility in the Interconnection Service Agreement exceeds Interconnecting Customer's previous aggregate payments, the Company shall invoice Interconnecting Customer and Interconnecting Customer shall make payment to the Company within 45 days. To the extent that Interconnecting Customer's previous aggregate payments exceed Interconnecting Customer's cost responsibility under this agreement, the Company shall refund to Interconnecting Customer an amount equal to the difference within forty five (45) days of the provision of such final accounting report.

6. Operating Requirements

- **6.1 General Operating Requirements**. Interconnecting Customer shall operate and maintain the Facility in accordance with the applicable manufacturer's recommended maintenance schedule, in compliance with all aspects of the Company's Interconnection Tariff. The Interconnecting Customer will continue to comply with all applicable laws and requirements after interconnection has occurred. In the event the Company has reason to believe that the Interconnecting Customer's installation may be the source of problems on the Company EPS, the Company has the right to install monitoring equipment at a mutually agreed upon location to determine the source of the problems. If the Facility is determined to be the source of the problems, the Company may require disconnection as outlined in Section 7.0 of the Interconnection Tariff. The cost of this testing will be borne by the Company unless the Company demonstrates that the problem or problems are caused by the Facility or if the test was performed at the request of the Interconnecting Customer.
- **6.2 No Adverse Effects; Non-interference**. Company shall notify Interconnecting Customer if there is evidence that the operation of the Facility could cause disruption or deterioration of service to other Customers served from the same Company EPS or if operation of the Facility could cause damage to Company EPS or Affected Systems. The deterioration of service could be, but is not limited to, harmonic injection in excess of IEEE Standard 1547-2003, as well as voltage fluctuations caused by large step changes in loading at the Facility. Each Party will notify the other of any emergency or hazardous condition or occurrence with its equipment or facilities which could affect safe operation of the other Party's equipment or facilities. Each Party shall use reasonable efforts to provide the other Party with advance notice of such conditions.

The Company will operate the EPS in such a manner so as to not unreasonably interfere with the operation of the Facility. The Interconnecting Customer will protect itself from normal disturbances propagating through the Company EPS, and such normal disturbances shall not constitute unreasonable interference unless the Company has deviated from Good Utility Practice. Examples of such disturbances could be, but are not limited to, single-phasing events, voltage sags from remote faults on the Company EPS, and outages on the Company EPS. If the Interconnecting Customer demonstrates that the Company EPS is adversely

affecting the operation of the Facility and if the adverse effect is a result of a Company deviation from Good Utility Practice, the Company shall take appropriate action to eliminate the adverse effect.

- **6.3 Safe Operations and Maintenance**. Each Party shall operate, maintain, repair, and inspect, and shall be fully responsible for, the facility or facilities that it now or hereafter may own unless otherwise specified in this Agreement. Each Party shall be responsible for the maintenance, repair and condition of its respective lines and appurtenances on their respective side of the PCC. The Company and the Interconnecting Customer shall each provide equipment on its respective side of the PCC that adequately protects the Company's EPS, personnel, and other persons from damage and injury.
- **6.4** Access. The Company shall have access to the disconnect switch of the Facility at all times.
 - **6.4.1 Company and Interconnecting Customer Representatives**. Each Party shall provide and update as necessary the telephone number that can be used at all times to allow either Party to report an emergency.
 - **6.4.2** Company Right to Access Company-Owned Facilities and Equipment. If necessary for the purposes of the Interconnection Tariff and in the manner it describes, the Interconnecting Customer shall allow the Company access to the Company's equipment and the Company's facilities located on the Interconnecting Customer's or Customer's premises. To the extent that the Interconnecting Customer does not own all or any part of the property on which the Company is required to locate its equipment or facilities to serve the Interconnecting Customer under the Interconnection Tariff, the Interconnecting Customer shall secure and provide in favor of the Company the necessary rights to obtain access to such equipment or facilities, including easements if the circumstances so require.
 - **6.4.3 Right to Review Information**. The Company shall have the right to review and obtain copies of Interconnecting Customer's operations and maintenance records, logs, or other information such as, unit availability, maintenance outages, circuit breaker operation requiring manual reset, relay targets and unusual events pertaining to Interconnecting Customer's Facility or its interconnection with the Company EPS. This information will be treated as customer-confidential and only used for the purposes of meeting the requirements of Section 4.2.4 in the Interconnection Tariff.

7. Disconnection

7.1 Temporary Disconnection

- **7.1.1 Emergency Conditions**. Company shall have the right to immediately and temporarily disconnect the Facility without prior notification in cases where, in the reasonable judgment of Company, continuance of such service to Interconnecting Customer is imminently likely to (i) endanger persons or damage property or (ii) cause a material adverse effect on the integrity or security of, or damage to, Company EPS or to the electric systems of others to which the Company EPS is directly connected. Company shall notify Interconnecting Customer promptly of the emergency condition. Interconnecting Customer shall notify Company promptly when it becomes aware of an emergency condition that affects the Facility that may reasonably be expected to affect the Company EPS. To the extent information is known, the notification shall describe the emergency condition, the extent of the damage or deficiency, or the expected effect on the operation of both Parties' facilities and operations, its anticipated duration and the necessary corrective action.
- **7.1.2 Routine Maintenance, Construction and Repair**. Company shall have the right to disconnect the Facility from the Company EPS when necessary for routine maintenance, construction and repairs on the Company EPS. The Company shall provide the Interconnecting Customer with a minimum of seven calendar days planned outage notification consistent with the Company's planned outage notification protocols. If the Interconnecting Customer requests disconnection by the Company at the PCC, the Interconnecting Customer will provide a minimum of seven days notice to the Company. Any additional notification requirements will be specified by mutual agreement in the Interconnection Service Agreement. Company shall make an effort to schedule such curtailment or temporary disconnection with Interconnecting Customer.

- **7.1.3 Forced Outages**. During any forced outage, Company shall have the right to suspend interconnection service to effect immediate repairs on the Company EPS; provided, however, Company shall use reasonable efforts to provide the Interconnecting Customer with prior notice. Where circumstances do not permit such prior notice to Interconnecting Customer, Company may interrupt Interconnection Service and disconnect the Facility from the Company EPS without such notice.
- **7.1.4 Non-Emergency Adverse Operating Effects**. The Company may disconnect the Facility if the Facility is having an adverse operating effect on the Company EPS or other customers that is not an emergency, and the Interconnecting Customer fails to correct such adverse operating effect after written notice has been provided and a maximum of 45 days to correct such adverse operating effect has elapsed.
- **7.1.5 Modification of the Facility**. Company shall notify Interconnecting Customer if there is evidence of a material modification to the Facility and shall have the right to immediately suspend interconnection service in cases where such material modification has been implemented without prior written authorization from the Company.
- **7.1.6 Re-connection**. Any curtailment, reduction or disconnection shall continue only for so long as reasonably necessary. The Interconnecting Customer and the Company shall cooperate with each other to restore the Facility and the Company EPS, respectively, to their normal operating state as soon as reasonably practicable following the cessation or remedy of the event that led to the temporary disconnection.
- **7.2 Permanent Disconnection**. The Interconnecting Customer has the right to permanently disconnect at any time with 30 days written notice to the Company.
 - **7.2.1** The Company may permanently disconnect the Facility upon termination of the Interconnection Service Agreement in accordance with the terms thereof.
- **8. Metering**. Metering of the output from the Facility shall be conducted pursuant to the terms of the Interconnection Tariff.
- 9. Assignment. Except as provided herein, Interconnecting Customer shall not voluntarily assign its rights or obligations, in whole or in part, under this Agreement without Company's written consent. Any assignment Interconnecting Customer purports to make without Company's written consent shall not be valid. Company shall not unreasonably withhold or delay its consent to Interconnecting Customer's assignment of this Agreement. Notwithstanding the above, Company's consent will not be required for any assignment made by Interconnecting Customer to an Affiliate or as collateral security in connection with a financing transaction. In all events, the Interconnecting Customer will not be relieved of its obligations under this Agreement unless, and until the assignee assumes in writing all obligations of this Agreement and notifies the Company of such assumption.
- 10. Confidentiality. Company shall maintain confidentiality of all Interconnecting Customer confidential and proprietary information except as otherwise required by applicable laws and regulations, the Interconnection Tariff, or as approved by the Interconnecting Customer in the Simplified or Expedited/Standard Application form or otherwise.

11. Insurance Requirements.

11.1 General Liability.

11.1(a) In connection with Interconnecting Customer's performance of its duties and obligations under the Interconnection Service Agreement, Interconnecting Customer shall maintain, during the term of the Agreement, general liability insurance with a combined single limit of not less than:

- i. Five million dollars (\$5,000,000) for each occurrence and in the aggregate if the Gross Nameplate Rating of Interconnecting Customer's Facility is greater than five (5) MW.
- ii. Two million dollars (\$2,000,000) for each occurrence and five million dollars (\$5,000,000) in the aggregate if the Gross Nameplate Rating of Interconnecting Customer's Facility is greater than one (1) MW and less than or equal to five (5) MW;
- iii. One million dollars (\$1,000,000) for each occurrence and in the aggregate if the Gross Nameplate Rating of Interconnecting Customer's Facility is greater than one hundred (100) kW and less than or equal to one (1) MW;
- iv. Five hundred thousand dollars (\$500,000) for each occurrence and in the aggregate if the Gross Nameplate Rating of Interconnecting Customer's Facility is greater than ten (10) kW and less than or equal to one hundred (100) kW, except for eligible net metered customers which are exempt from insurance requirements.
- 11.1(b) No insurance is required for a Facility with a Gross Nameplate Rating less than or equal to 50 kW that is eligible for net metering. However, the Company recommends that the Interconnecting Customer obtain adequate insurance to cover potential liabilities.
- 11.1(c) Any combination of General Liability and Umbrella/Excess Liability policy limits can be used to satisfy the limit requirements stated above.
- 11.1(d) The general liability insurance required to be purchased in this Section may be purchased for the direct benefit of the Company and shall respond to third party claims asserted against the Company (hereinafter known as "Owners Protective Liability"). Should this option be chosen, the requirement of Section 11.2(a) will not apply but the Owners Protective Liability policy will be purchased for the direct benefit of the Company and the Company will be designated as the primary and "Named Insured" under the policy.
- 11.1(e) The insurance hereunder is intended to provide coverage for the Company solely with respect to claims made by third parties against the Company.
- 11.1(f) In the event the State of Rhode Island and the Providence Plantations, or any other governmental subdivision thereof subject to the claims limits of R.I.G.L. Chapter 9-31 (hereinafter referred to as the "Governmental Entity") is the Interconnecting Customer, any insurance maintained by the Governmental Entity shall contain an endorsement that strictly prohibits the applicable insurance company from interposing the claims limits of R.I.G.L. Chapter 9-31 as a defense in either the adjustment of any claim, or in the defense of any lawsuit directly asserted against the insurer by the Company. Nothing herein is intended to constitute a waiver or indication of an intent to waive the protections of R.I.G.L. Chapter 9-31 by the Governmental Entity.
- 11.2 Insurer Requirements and Endorsements. All required insurance shall be carried by reputable insurers qualified to underwrite insurance in RI having a Best Rating of "A-". In addition, all insurance shall, (a) include Company as an additional insured; (b) contain a severability of interest clause or cross-liability clause; (c) provide that Company shall not incur liability to the insurance carrier for payment of premium for such insurance; and (d) provide for thirty (30) calendar days' written notice to Company prior to cancellation, termination, or material change of such insurance; provided that to the extent the Interconnecting Customer is satisfying the requirements of subpart (e) of this paragraph by means of a presently existing insurance policy, the Interconnecting Customer shall only be required to make good faith efforts to satisfy that requirement and will assume the responsibility for notifying the Company as required above.
- **11.3 Evidence of Insurance**. Evidence of the insurance required shall state that coverage provided is primary and is not in excess to or contributing with any insurance or self-insurance maintained by Interconnecting Customer.

The Interconnecting Customer is responsible for providing the Company with evidence of insurance in compliance with the Interconnection Tariff on an annual basis.

Prior to the Company commencing work on System Modifications and annually thereafter, the Interconnecting Customer shall have its insurer furnish to the Company certificates of insurance evidencing the insurance coverage required above. The Interconnecting Customer shall notify and send to the Company a certificate of insurance for any policy written on a "claims-made" basis. The Interconnecting Customer will maintain extended reporting coverage for three years on all policies written on a "claims-made" basis.

In the event that an Owners Protective Liability policy is provided, the original policy shall be provided to the Company.

11.4 All insurance certificates, statements of self insurance, endorsements, cancellations, terminations, alterations, and material changes of such insurance shall be issued, updated and submitted yearly to the following:

National Grid

Attention: Risk Management

300 Erie Blvd West Syracuse, NY 13202

- 12. Indemnification. Except as precluded by the laws of the State of Rhode Island and the Providence Plantations, 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.
- 13. Limitation of Liability. Each Party's liability to the other Party for any loss, cost, claim, injury, liability, or expense, including court costs and 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 or liability 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.
- **14. Amendments and Modifications**. No amendment or modification of this Agreement shall be binding unless in writing and duly executed by both Parties.
- 15. Permits and Approvals. Interconnecting Customer shall obtain all environmental and other permits lawfully required by governmental authorities for the construction and operation of the Facility. Prior to the construction of System Modifications the interconnecting customer will notify the Company that it has initiated the permitting process. Prior to the commercial operation of the Facility the Customer will notify the Company that it has obtained all permits necessary. Upon request the Interconnecting Customer shall provide copies of one or more of the necessary permits to the Company.
- **16. Force Majeure**. For purposes of this Agreement, "Force Majeure Event" means any event:
 - a. that is beyond the reasonable control of the affected Party; and
 - b. that the affected Party is unable to prevent or provide against by exercising commercially reasonable efforts, including the following events or circumstances, but only to the extent they satisfy the preceding requirements: acts of war or terrorism, public disorder, insurrection, or rebellion; floods, hurricanes, earthquakes, lighting, storms, and other natural calamities; explosions or fire; strikes, work stoppages, or

labor disputes; embargoes; and sabotage. If a Force Majeure Event prevents a Party from fulfilling any obligations under this Agreement, such Party will promptly notify the other Party in writing, and will keep the other Party informed on a continuing basis of the scope and duration of the Force Majeure Event. The affected Party will specify in reasonable detail the circumstances of the Force Majeure Event, its expected duration, and the steps that the affected Party is taking to mitigate the effects of the event on its performance. The affected Party will be entitled to suspend or modify its performance of obligations under this Agreement, other than the obligation to make payments then due or becoming due under this Agreement, but only to the extent that the effect of the Force Majeure Event cannot be mitigated by the use of reasonable efforts. The affected Party will use reasonable efforts to resume its performance as soon as possible. In no event will the unavailability or inability to obtain funds constitute a Force Majeure Event.

17. Notices.

17.1 Any written notice, demand, or request required or authorized in connection with this Agreement ("Notice") shall be deemed properly given on the date actually delivered in person or five (5) business days after being sent by certified mail, e-mail or fax with confirmation of receipt and original follow-up by mail, or any nationally-recognized delivery service with proof of delivery, postage prepaid, to the person specified below:

If to Company:	National Grid
	Attention:
	Distributed Generation
	40 Sylvan Road
	Waltham, MA 02451-1120
	Phone:
	E-mail: Distributed.Generation@nationalgrid.com
If to Interconnecting Customer:	Name:
if to interconnecting Customer.	Address:
	City:
	Phone:
	E-mail:

- **17.2** A Party may change its address for Notices at any time by providing the other Party Notice of the change in accordance with Section 17.1.
- **17.3** The Parties may also designate operating representatives to conduct the daily communications, which may be necessary or convenient for the administration of this Agreement. Such designations, including names, addresses, and phone numbers may be communicated or revised by one Party's Notice to the other.

18. Default and Remedies

- **18.1 Defaults**. Any one of the following shall constitute "An Event of Default."
 - (i) One of the Parties shall fail to pay any undisputed bill for charges incurred under this Agreement or other amounts which one Party owes the other Party as and when due, and such failure shall continue for a period of thirty (30) days after written notice of nonpayment from the affected Party to the defaulting Party, or
 - (ii) One of the Parties fails to comply with any other provision of this Agreement or breaches any representation or warranty in any material respect and fails to cure or remedy that default or breach within sixty (60) days after notice and written demand by the affected Party to cure the same or such longer period reasonably required to cure (not to exceed an additional 90 days unless otherwise mutually agreed upon), provided that the defaulting Party diligently continues to cure until such failure is fully cured.

- **18.2 Remedies**. Upon the occurrence of an Event of Default, the affected Party may at its option, in addition to any remedies available under any other provision herein, do any, or any combination, as appropriate, of the following:
 - a. Continue to perform and enforce this Agreement;
 - b. Recover damages from the defaulting Party except as limited by this Agreement;
 - c. By written notice to the defaulting Party terminate this Agreement;
 - d. Pursue any other remedies it may have under this Agreement or under applicable law or in equity.
- 19. Entire Agreement. This Agreement, including any attachments or appendices, is entered into pursuant to the Interconnection Tariff. Together the Agreement and the Interconnection Tariff represent the entire understanding between the Parties, their agents, and employees as to the subject matter of this Agreement. Each Party also represents that in entering into this Agreement, it has not relied on any promise, inducement, representation, warranty, agreement or other statement not set forth in this Agreement or in the Company's Interconnection Tariff.
- **20. Supercedence**. In the event of a conflict between this Agreement, the Interconnection Tariff, or the terms of any other tariff, Exhibit or Attachment incorporated by reference, the terms of the Interconnection Tariff, as the same may be amended from time to time, shall control. In the event that the Company files a revised tariff related to interconnection for Commission approval after the effective date of this Agreement, the Company shall, not later than the date of such filing, notify the signatories of this Agreement and provide them a copy of said filing.
- **21. Governing Law**. This Agreement shall be interpreted, governed, and construed under the laws of the State of Rhode Island and the Providence Plantations without giving effect to choice of law provisions that might apply to the law of a different jurisdiction.
- **22. Non-waiver**. None of the provisions of this Agreement shall be considered waived by a Party unless such waiver is given in writing. The failure of a Party to insist in any one or more instances upon strict performance of any of the provisions of this Agreement or to take advantage of any of its rights hereunder shall not be construed as a waiver of any such provisions or the relinquishment of any such rights for the future, but the same shall continue and remain in full force and effect.
- **23.** Counterparts. This Agreement may be signed in counterparts.
- **24. No Third Party Beneficiaries**. This Agreement is made solely for the benefit of the Parties hereto. Nothing in the Agreement shall be construed to create any rights in or duty to, or standard of care with respect to, or any liability to, any person not a party to this Agreement.
- **25. Dispute Resolution**. Unless otherwise agreed by the Parties, all disputes arising under this Agreement shall be resolved pursuant to the Dispute Resolution Process set forth in the Interconnection Tariff.
- **26. Severability**. If any clause, provision, or section of this Agreement is ruled invalid by any court of competent jurisdiction, the invalidity of such clause, provision, or section, shall not affect any of the remaining provisions herein.

27.	Signatures.	IN WITNESS	WHEREOF,	the Parties	hereto have	caused two	(2) o	riginals (of this A	Agreement to
	be executed	under seal by th	neir duly auth	orized repr	esentatives.					

	Interconnecting Customer	Narraganset	t Electric Company d/b/a National Grid
Name:		Name:	
Title:		Title:	
Date:		Date:	
Signature:		Signature:	
The following att Service Agreeme	achments would be developed and include nt:	d as appropria	te for each specific Interconnection
Attachm	ent 1: Description of Facilities, includi	ng demarcation	n of Point of Common Coupling

Attachment 2: Description of System Modifications

Attachment 3: Costs of System Modifications and Payment Terms

Attachment 4: Special Operating Requirements, if any

Attachment 5: Agreement between the Company and the Company's Retail Customer (to be signed by the Company's retail customer where DG installation and interconnection will be placed, when retail customer is not the owner and/or operator of the distributed generation facility -- see Exhibit H of the Interconnection Tariff)

Exhibit I - Agreement between the Company and the Company's Retail Customer

(Note: this Agreement is to be signed by the Company's retail customer where the distributed generation installation and interconnection will be placed, when the retail customer is not the owner and/or operator of the distributed generation facility.)

Parties.		greement between the Company and the Company's Retail Customer ("Agreement"), dated as of ffective Date" of this Agreement) is entered into, by and between, a Rhode
	-	n with a principal place of business at (hereinafter referred to as the "Company"), and, a corporation with a principal place of business at ("Customer"). (The
		astomer are collectively referred to as the "Parties"). Terms used herein without definition shall gs set forth in Section 1.2 of the Interconnection Tariff, which is hereby incorporated by reference.
1.	SCOPE	, PURPOSE, AND RELATED AGREEMENTS
	allows to interc	reement, in conjunction with the Interconnection Service Agreement identified in Section 2.2, the Interconnecting Customer (as identified in Section 2.3) to utilize Customer's electrical facilities connect and operate the Facility in Parallel with Company's EPS. The purpose of the Facility is to e Customer's electrical loads at the location identified in Section 2.1
2.	SUMM	ARY AND DESCRIPTION OF THE PARTIES AND LOCATION OF GENERATING FACILITY
	2.1	The name and address used by Company to locate the Customer or electric service account where the Facility interconnects with Company's EPS is:
		Attention: Address: City: Phone FAX: E-mail: Company Account Number:
	2.2	The Facility shall be Interconnected with the Company's EPS pursuant to an Interconnection Service Agreement between Company and Interconnecting Customer, its successors or assigns ("Interconnecting Customer") dated ("Interconnection Service Agreement").
	2.3	Interconnecting Customer's contact information:
		Attention: Address: City: Phone E-mail: FAX:

3. CUSTOMER ACKNOWLEDGMENT AND OBLIGATIONS

3.1 Customer acknowledges that it has authorized the Facility to be installed and operated by Interconnecting Customer in accordance with Company's Interconnection Tariff in or adjacent to Customer's premises. Such Facility shall be used to serve all or a portion of Customer's electrical loads associated with the electric service provided by Company at the location identified in Section 2.1 above. Customer shall be solely responsible for the terms of any agreement between it and Interconnecting Customer.

- 3.2 Customer shall be solely responsible for any charges incurred under Company's electric service tariffs, and any other regulations and laws governing the provision of electric services. Customer acknowledges that it has been made aware of the charges and conditions related to the operation of the Facility and that the performance or lack of performance of the Facility may affect the rates and charges billed by Company for the electric power delivered to Customer. Copies of such tariffs are available by request to Company or on the Company's web site.
- 3.3 Any amount to be paid, or refunded to, Company for the services received by Customer as a result of the Interconnecting Customer failing to operate the Facility in accordance with the terms of the representations and warranties made under the Interconnection Service Agreement shall be paid to Company by the Customer in accordance with Company's electric tariffs.
- 3.4 Customer shall provide access as necessary to the Customer's premises for Company personnel, contractors or agents to perform Company's duties under the Interconnection Tariff. The Company shall have access to the disconnect switch of the Facility at all times.

4. TERMS AND TERMINATION

- 4.1 This Agreement shall become effective as of the date referenced in the preamble. The Agreement shall continue in full force and effect until the earliest date that one of the following events occurs:
 - (a) The Parties agree in writing to terminate the Agreement.
 - (b) At 12:01 A.M. on the day following the date the Customer's electric service account through which the Generating Facility is interconnected to Company's EPS is closed or terminated.
 - (c) At 12:01 A.M. on the 31st day following the date the Interconnection Service Agreement is terminated.
 - (d) At 12:01 A.M. on the 61st day after Company provides written Notice pursuant to Section 6 below to the Customer that Customer is not in compliance with the terms of this Agreement.

5. LIMITATION OF LIABILITY

- 5.1 Each Party's liability to the other Party for any loss, cost, claim, injury, liability, or expense, including court costs and 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 or liability 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.
- 5.2 Company shall not be liable to Customer in any manner, whether in tort or contract or under any other theory, for loss or damages of any kind sustained by Customer resulting from existence of, operation of, or lack of operation of the Facility, or termination of the Interconnection Service Agreement, provided such termination is consistent with the terms of the Interconnection Service Agreement, except to the extent such loss or damage is caused by the negligence or willful misconduct of the Company.

6. NOTICES

Any written notice, demand, or request required or authorized in connection with this Agreement ("Notice") shall be deemed properly given on the date actually delivered in person or five (5) business days after being sent by certified mail, e-mail or fax with confirmation of receipt and original follow-up by mail, or any nationally-recognized delivery service with proof of delivery, postage prepaid, to the person specified below:

If to Company:	National Grid
	Attention:
	Distributed Generation
	40 Sylvan Rd
	Waltham, MA 02451-1120
	E-mail: Distributed.Generation@nationalgrid.com
If to Customer:	
	Attention:
	Address:
	City:
	Phone:
	Fax:
	E-mail:

- A Party may change its address for Notices at any time by providing the other Party Notice of the change in accordance with Section 6.1.
- 6.3 The Parties may also designate operating representatives to conduct the daily communications, which may be necessary or convenient for the administration of this Agreement. Such designations, including names, addresses, and phone numbers may be communicated or revised by one Party's Notice to the other.

7. RELEASE OF DATA

Company shall maintain confidentiality of all Customer confidential and proprietary information except as otherwise required by applicable laws and regulations, the Interconnection Tariff, or as approved in writing by the Customer.

8. ASSIGNMENT

Except as provided herein, Customer shall not voluntarily assign its rights or obligations, in whole or in part, under this Agreement without Company's written consent. Any assignment Customer purports to make without Company's written consent shall not be valid. Company shall not unreasonably withhold or delay its consent to Customer's assignment of this Agreement. Notwithstanding the above, Company's consent will not be required for any assignment made by Customer to an Affiliate or as collateral security in connection with a financing transaction. In all events, the Customer will not be relieved of its obligations under this Agreement unless, and until the assignee assumes in writing all obligations of this Agreement and notifies the Company of such assumption.

9. NON-WAIVER

None of the provisions of this Agreement shall be considered waived by a Party unless such waiver is given in writing. The failure of a Party to insist in any one or more instances upon strict performance of any of the provisions of this Agreement or to take advantage of any of its rights hereunder shall not be construed

as a waiver of any such provisions or the relinquishment of any such rights for the future, but the same shall continue and remain in full force and effect.

10. GOVERNING LAW, JURISDICTION OF COMMISSION, INCLUSION OF COMPANY'S TARIFFS, DEFINED TERMS

- 10.1 This Agreement shall be interpreted, governed, and construed under the laws of the State of Rhode Island and the Providence Plantations without giving effect to choice of law provisions that might apply to the law of a different jurisdiction.
- The interconnection and services provided under this Agreement shall at all times be subject to terms and conditions set forth in the tariffs applicable to the electric service provided by Company. Copies of such tariffs are available at the Company's web site or by request to Company and are incorporated into this Agreement by this reference.
- 10.3 Notwithstanding any other provisions of this Agreement, Company shall have the right to unilaterally file with the Commission, pursuant to the Commission's rules and regulations, an application for change in tariffs, rates, charges, classification, service or any agreement relating thereto.
- When initially capitalized, whether in the singular or in the plural, the terms used herein shall have the meanings assigned to them either in this Agreement or in the Interconnection Tariff.

11. AMENDMENTS AND MODIFICATION

This Agreement can only be amended or modified by a written agreement signed by both Parties.

12. ENTIRE AGREEMENT

This Agreement, including any attachments or appendices, is entered into pursuant to the Interconnection Service Agreement and the Interconnection Tariff. Together this Agreement, the Interconnection Service Agreement, and the Interconnection Tariff represent the entire understanding between the Parties, their agents, and employees as to the subject matter of this Agreement. Each party also represents that in entering into this Agreement, it has not relied on any promise, inducement, representation, warranty, agreement or other statement not set forth in this Agreement or in the Company's Interconnection Tariff.

13. INDEMNIFICATION

Except as precluded by the laws of the State of Rhode Island and the Providence Plantations, 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.

14. SIGNATURES

IN WITNESS WHEREOF, the Parties hereto have caused two originals of this Agreement to be executed under seal by their duly authorized representatives.

Retail Customer (Electrical account	ınt holder)	Narragansett Electric Company d/b/a National Grid				
Name:		Name:				
Title:		Title:				
Date:		Date:				
2						
Signature:		Signature:				
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Redlined Version

Effective

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The Narragansett Electric Company Standards for Connecting Distributed Generation

R.I.P.U.C. No. 2078

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Sheet 3

The Narragansett Electric Company Standards for Connecting Distributed Generation

1.0 Introduction

1.1 Applicability

This document ("Interconnection Tariff") describes the process and requirements for an Interconnecting Customer to connect a power-generating facility to the Company's Electric Power System ("Company EPS"), including discussion of technical and operating requirements, metering and billing options, and other matters.

The procedure for momentary paralleling to the Company EPS with back-up generation is described within Section 4.0 Interconnection Requirements.

If the Facility will always be isolated from the Company's EPS, (<u>i.e.</u>, it will never operate in parallel to the Company's EPS), then this Interconnection Tariff does not apply.

1.2 Definitions

The following words and terms shall be understood to have the following meanings when used in this Interconnection Tariff:

Affected System: Any neighboring EPS not under the control of the Company (<u>i.e.</u>, a municipal electric light company or other regulated utility).

Affiliate: A person or entity controlling, controlled by or under common control with a Party.

Anti-Islanding: Describes the ability of a Facility to avoid unintentional islanding through some form of active control technique.

Application: The notice provided by the Interconnecting Customer to the Company in the form shown in Exhibits A and B, which initiates the interconnection process.

Area EPS: The Company EPS. This term is used in the Institute of Electrical and Electronics Engineers (IEEE) Standard 1547-2003, "IEEE Standard for Interconnecting Distributed Resources with Electric Power Systems" ("IEEE Standard 1547-2003").

Commission: Rhode Island Public Utilities Commission

Company: Narragansett Electric Company d/b/a National Grid

Company EPS: The electric power system owned, controlled or operated by the Company used to provide distribution service to its Customers.

Customer: Company's retail customer; host site or premises, may be the same as Interconnecting Customer or Renewable Interconnecting Customer.

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The Narragansett Electric Company Standards for Connecting Distributed Generation

Detailed Study: The final phase of engineering study, if necessary, conducted by the Company to determine substantial System Modifications to its EPS, resulting in project cost estimates for such modifications that will be required to provide the requested interconnection service.

DG: Distributed Generation.

DR: The Facility. This term is used in IEEE Standard 1547-2003.

Expedited Process: As described in Section 3.2, process steps for Listed Facilities from initial application to final written authorization, using a set of technical screens to determine grid impact.

Facility: A source of electricity owned and/or operated by the Interconnecting Customer that is located on the Customer's side of the PCC, and all facilities ancillary and appurtenant thereto, including interconnection equipment, which the Interconnecting Customer requests to interconnect to the Company EPS.

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Feasibility Study: A high-level project assessment that includes an estimate of the cost of interconnecting a Renewable Distributed Generation Resource to the distribution system that would be assessed on the applicant for an interconnection. Such estimate is not based on any engineering study, but is based on past experience and judgment of the Company, taking into account the information in the application, the location of the interconnection, and general knowledge of the distribution and transmission system. Such estimate cannot be relied upon the by applicant for the purposes of holding the Company liable or responsible for its accuracy as long as the Company has provided the estimate in good faith. The feasibility study estimate shall be a range within which the Company believes the interconnection costs are likely to be and shall include a disclaimer that explains the nature of the estimate.

FERC: Federal Energy Regulatory Commission.

Good Utility Practice: Any of the practices, methods and acts engaged in or approved by a significant portion of the electric utility 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 be acceptable practices, methods, or acts generally accepted in the region.

Impact Study: The engineering study conducted by the Company under the Standard Process to determine the scope of the required modifications to its EPS and/or the Facility to provide the requested interconnection service. Unless otherwise noted in the Impact Study, the cost estimate provided will be valid for 60 business days from delivery of the study.

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The Narragansett Electric Company Standards for Connecting Distributed Generation

Impact Study for Renewable DG (ISRDG): An engineering study conducted by the Company that includes an estimate of the cost of interconnecting a Renewable Distributed Generation Resource to the distribution system that would be assessed on the applicant for an interconnection that is based on an engineering study of the details of the proposed generation project. Such estimate generally will have a probability of accuracy of plus or minus twenty five percent (25%). Such an estimate may be relied upon by the applicant for purposes of determining the expected cost of interconnection, but the Company may not be held liable or responsible if the actual costs exceed the estimate as long as the estimate was provided in good faith and the interconnection was implemented prudently by the Company.

In-Service Date: The date on which the Facility and System Modifications (if applicable) are complete and ready for service, even if the Facility is not placed in service on or by that date.

Interconnecting Customer: Entity that owns and/or operates the Facility interconnected to the Company EPS, with legal authority to enter into agreements regarding the construction or operation of the Facility. 1

Interconnection Service Agreement (ISA): An agreement for interconnection service, the form of which is provided in Exhibit F, between the Interconnecting Customer and the Company. The agreement also includes any amendments or supplements thereto entered into by the Interconnecting Customer and the Company.

Islanding: A situation where electrical power remains in a portion of an electrical power system when the Company's transmission or distribution system has ceased providing power for whatever reason (emergency conditions, maintenance, etc.) Islanding may be intentional, such as when certain segregated loads in a Customer's premises are provided power by a Facility after being isolated from the Company EPS after a power failure. Unintentional Islanding, especially past the PCC, is to be strictly avoided.

ISO-New England, Inc ("ISO-NE"): The Independent System Operator established in accordance with the NEPOOL Agreement and applicable FERC approvals, which is responsible for managing the bulk power generation and transmission systems in New England.

Isolated: The state of operating the Facility when electrically disconnected from the Company EPS on the Interconnecting Customer's side of the PCC.

Local EPS: The customer premises within which are contained the Facility. This term is used in the IEEE Standard 1547-2003.

¹ An entity which owns the Facility interconnected to the Company EPS solely as part of a financing arrangement, which could include the acquisition of the tax credits related to the Facility, but is neither the Customer nor the operator of that Facility, shall not be considered the Interconnecting Customer hereunder.

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Listed: A Facility that has successfully passed all pertinent tests to conform with IEEE 1547.1.

Metering Point: For meters that do not use instrument transformers, the point at which the billing meter is connected. For meters that use instrument transformers, the point at which the instrument transformers are connected.

NEPOOL: New England Power Pool.

Net Metering: Customers of the Company who, pursuant to the provisions of the Company's Net Metering Provision, R.I.P.U.C. No. 2075, as amended and superseded from time to time, are eligible to receive Renewable Generation Credits and Excess Renewable Generation Credits, as applicable, as defined in R.I.P.U.C. No. 2075, Section

Network Distribution System (Area or Spot): Electrical service from an EPS consisting of one or more primary circuits from one or more substations or transmission supply points arranged such that they collectively feed secondary circuits serving one (a spot network) or more (an area network) Interconnecting Customers.

Non-Islanding: Describes the ability of a Facility to avoid unintentional islanding through the operation of its interconnection equipment.

NPCC: Northeast Power Coordinating Council.

On-Site Generating Facility: A class of Interconnecting Customer-owned generating Facilities with peak capacity as specified in R.I.P.U.C. No. 2074, Qualifying Facilities Power Purchase Rate.

Parallel: The state of operating the Facility when electrically connected to the Company EPS (sometimes known as grid-parallel).

Parties: The Company and the Interconnecting Customer.

Point of Common Coupling (PCC): The point where the Interconnecting Customer's local electric power system connects to the Company EPS, such as the electric power revenue meter or premises service transformer. See the Company for the location at a particular Interconnecting Customer site.

Point of Delivery: A point on the Company EPS where the Interconnecting Customer makes capacity and energy available to the Company. The Point of Delivery shall be specified in the Interconnection Service Agreement.

Point of Receipt: A point on the Company EPS where the Company delivers capacity and energy to the Interconnecting Customer. The Point of Receipt shall be specified in the Interconnection Service Agreement.

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Qualifying Facility: A generation Facility that has received certification as a Qualifying Facility from the FERC in accordance with the Federal Power Act, as amended by the Public Utility Regulatory Policies Act of 1978.

Radial Distribution Circuit: Electrical service from an EPS consisting of one primary circuit extending from a single substation or transmission supply point arranged such that the primary circuit serves Interconnecting Customers in a particular local area.

Renewable Distributed Generation Resource: A Facility which is a renewable distributed generation project that, as contemplated, meets the eligibility requirements for net metering contained within R.I.G.L. Title 39 or the eligibility requirements for a standard contract contained within R.I.G.L. Title 39.

Renewable Interconnecting Customer: Entity that owns and/or operates the Renewable Distributed Generation Resource interconnected to the Company EPS, with legal authority to enter into agreements regarding the construction or operation of the Facility

Screen(s): Criteria by which the Company will determine if a proposed Facility's installation will adversely impact the Company EPS in the Simplified and Expedited Processes as set forth in Section 3.0.

Simplified Process: As described in Section 3.1, process steps from initial application to final written authorization for certain inverter-based Facilities of limited scale and minimal apparent grid impact.

Standard Process: As described in Section 3.3, process steps from initial application to final written authorization for Facilities that do not qualify for Simplified or Expedited treatment.

Supplemental Review: Additional engineering study to evaluate the potential impact of the Facility on the Company EPS so as to determine any requirements for processing the application through the Expedited Process.

System Improvement: Economically justified upgrades determined by the Company in the Facility interconnection design phase for capital investments associated with improving the capacity or reliability of the EPS.

System Modification: Modifications or additions to distribution-related Company facilities that are integrated with the Company EPS for the benefit of the Interconnecting Customer.

Unintentional Islanding: A situation where the electrical power from the Facility continues to supply a portion of the Company EPS past the PCC when the Company's transmission or distribution system has ceased providing power for whatever reason (emergency conditions, maintenance, etc.).

The Narragansett Electric Company Standards for Connecting Distributed Generation

Witness Test: The Company's right to witness the commissioning testing. Commissioning testing is defined in IEEE Standard 1547-2003.

1.3 Forms and Agreements

The following documents for the interconnection process are included as Exhibits:

1. Interconnection Service Agreement for Expedited and Standard Process (Exhibit G) referencing Attachments 1-6 (Attachments 1-5 to be developed and included as appropriate for each specific Interconnection Service Agreement) as follows:

Attachment 1: Definitions (Section 1.2)

Attachment 2: Description of Facilities, including demarcation of PCC

Attachment 3: **Description of System Modifications**

Attachment 4: Costs of System Modifications and Payment Terms

Attachment 5: Special Operating Requirements, if any

Attachment 6: Agreement between the Company and the Company's Retail Customer (to be signed by the Company's retail customer where DG installation and interconnection will be placed, when retail customer is not the owner and/or operator of the distributed generation facility -- Exhibit H)

2. Application forms:

- a. Simplified Process (Facilities meeting the requirements of Section 3.1) application form and service agreement (Exhibit A)
- b. Expedited and Standard Process application form (Exhibit B)
- 3. Supplemental Review Agreement for those projects which have failed one or more screens in the Expedited Process (Exhibit C)
- 4. Feasibility Study Agreement (Exhibit D)
- 5. Impact Study Agreement or ISRDG Agreement under the Standard Process (Exhibit E)
- 6. Detailed Study Agreement for the more detailed study under the Standard Process which requires substantial System Modifications (Exhibit F)

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The Narragansett Electric Company Standards for Connecting Distributed Generation

2.0 Basic Understandings

Customer intends to install a Facility on the Customer's side of the PCC that will be connected electrically to the Company EPS and operate in parallel, synchronized with the voltage and frequency maintained by the Company during all operating conditions. It is the responsibility of the Interconnecting Customer to design, procure, install, operate, and maintain all necessary equipment on its property for connection to the Company EPS. The Customer and the Company shall enter into an Interconnection Service Agreement to provide for parallel operation of a Customer's Facility with Company EPS. A form of this agreement is attached as Exhibit G to this Interconnection Tariff. If the Interconnecting Customer or Renewable Interconnecting Customer is not the Customer, an Agreement between the Company and the Company's Customer must be signed and included as an attachment to the Interconnection Service Agreement; a form of this agreement is attached as Exhibit H.

The interconnection of the Facility with the Company EPS must be reviewed for potential impact on the Company EPS under the process described in Section 3.0 and meet the technical requirements in Section 4.0, and must be operated as described under Section 6.0. In order to meet these requirements, an upgrade or other modifications to the Company EPS may be necessary. Subject to the requirements contained in this Interconnection Tariff, the Company or its Affiliate shall modify the Company EPS accordingly. Unless otherwise specified, the Company will build and own, as part of the Company EPS, all facilities necessary to interconnect the Company EPS with the Facility up to and including terminations at the PCC. The Interconnecting Customer shall pay all System Modification costs as set forth in Section 5.0.

A Renewable Interconnecting Customer has the initial option of having the Company do a Feasibility Study prior to continuing on to an ISRDG.

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The Interconnecting Customer should consult the Company before designing, purchasing and installing any generation equipment, in order to verify the nominal utilization voltages. frequency, and phase characteristics of the service to be supplied, the capacity available, and the suitability of the proposed equipment for operation at the intended location. Attempting to operate a generator at other than its nameplate characteristics may result in unsatisfactory performance or, in certain instances, injury to personnel and/or damage to equipment. The Interconnecting Customer will be responsible for ascertaining from the Company, and the Company will diligently cooperate in providing, the service characteristics of the Company EPS at the proposed PCC. The Company will in no way be responsible for damages sustained as a result of the Interconnecting Customer's failure to ascertain the service characteristics at the proposed PCC.

The crossing of a public way by the Interconnecting Customer with any equipment is prohibited due to public safety reasons.

Due to voltage regulation issues, Facilities larger than 3 MWs (nameplate capacity), or those that require substation upgrades, may be subject to special interconnection requirements and may require timelines for studies to be conducted on a mutually agreed upon basis versus the timelines noted in Section 3.

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The Facility should operate in such a manner that does not compromise or conflict with, the safety or reliability of the Company EPS. The Interconnecting Customer should design its equipment in such a manner that faults or other disturbances on the Company EPS do not cause damage to the Interconnecting Customer's equipment.

Authorization to interconnect will be provided once the Interconnecting Customer has met all terms of the interconnection process as outlined below.

This Interconnection Tariff does not cover general distribution service needed to serve the Interconnecting Customer. Please refer to the Company's Terms and Conditions for Distribution Service.

3.0 Process Overview

There are four basic paths for interconnection of the Interconnecting Customer's Facility in Rhode Island. They are described below and detailed in Figures 1 and 2 with their accompanying notes. Tables 1 and 2, respectively, describe the timelines and fees for these paths. Unless otherwise noted, all times in the Interconnection Tariff reference Company business days to study the proposed Facility and provide an executable ISA under normal work conditions.

- 1. Simplified This is for Listed inverter-based Facilities with a power rating of 15 kW or less single phase or 25 kW or less three-phase depending on the service configuration, and located on radial EPSs under certain conditions. A Listed inverter-based Facility with a power rating of 15 kW or less single phase located on a spot network EPS under certain conditions would also be eligible.
- 2. **Expedited** This is for Listed Facilities that pass certain pre-specified screens on a radial
- 3. Standard This is for all facilities not qualifying for either the Simplified or Expedited interconnection processes on radial and spot network EPSs, and for all Facilities on area network EPSs.
- 4. Renewable Interconnecting Customer This process is for Customers who are requesting either a Feasibility Study or an ISRDG for renewable Facilities. For these requests, the processes above will be followed except where outlined in the descriptions below, any references to Interconnecting Customer should be construed to be Renewable Interconnecting Customer for this purpose.

All proposed new sources of electric power without respect to generator ownership, dispatch control, or prime mover that plan to operate in parallel with the Company EPS must submit a completed application and pay the appropriate application fee to the Company with which it wishes to interconnect. For those projects where a Renewable Interconnecting Customer requests either a Feasibility or an ISRDG study, the Renewable Interconnecting Customer will pay the Feasibility Study fee in lieu of the Application Fee. The application will be acknowledged by the Company, and the Interconnecting Customer will be notified of the application's

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completeness. Interconnecting Customers who are not likely to qualify for Simplified or Expedited Process may opt to go directly into the Standard Process path. Interconnecting Customers proposing to interconnect on area networks will also go directly to the Standard Process. All other Interconnecting Customers must proceed through a series of screens to determine their ultimate interconnection path. (Interconnecting Customers not sure whether a particular location is on a radial circuit, spot network, or area network should check with the Company serving the proposed Facility location prior to filing and the Company will verify the circuit type upon filing.)

If the Interconnecting Customer has not yet selected the generation equipment, the Interconnecting Customer may submit an interconnection application to the Company with generator data for up to three different suppliers for review and acceptance for interconnection by the Company. Upon completion of the initial review of such an application, Company may increase the cost to screen each option submitted and, if an increase is warranted, Company will notify the applicant in writing of the Company's additional cost for reviewing all options submitted by the applicant. Interconnecting Customer's application will be on hold until applicant responds with written authorization to either proceed with the original application submittal for the additional quoted cost or to proceed with reviewing only the "worst case" option at no additional cost for which the Company will provide "worst case" interconnection requirements and associated costs that apply to all the generators included in the application. For the multiple generator review, the Company will screen each generator and provide the Interconnecting Customer with the interconnection requirements and associated cost for interconnecting each generator included in the application. Prior to the Company preparing a final Interconnection Agreement, the Interconnecting Customer will provide the Company written confirmation of which generator the Interconnecting Customer will install at the Interconnecting Customer's Facility and, if the "worst case" option was not selected by the applicant, the interconnection requirements previously determined for that specific generator will be included in the final Interconnection Agreement.

3.1 Simplified Process

Interconnecting Customers using Listed single-phase inverter-based Facilities with power ratings of 15 kW or less at locations receiving single-phase secondary service from a single-phase transformer, or using Listed three-phase inverter-based Facilities with power ratings of 25 kW or less at locations receiving three-phase secondary service from a three-phase transformer configuration, and requesting an interconnection on radial EPSs where the aggregate Facility capacity on the circuit is less than 15% of circuit annual peak load qualify for Simplified interconnection. This is the fastest and least costly interconnection path. There is also a Simplified interconnection path for Listed single-phase inverter-based Facilities with power ratings of 15 kW or less requesting an interconnection on spot networks when the aggregate Facility capacity is less than one-fifteenth of the Customer's minimum load.

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The Simplified Process is as follows:

- a. Application process:
 - i. Interconnecting Customer submits a Simplified Process application filled out properly and completely (Exhibit A).

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ii. Company acknowledges to the Interconnecting Customer receipt of the application within 3 business days of receipt.

iii. 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.

A Renewable Interconnecting Customer may request a Feasibility Study. Upon receipt of an executed Feasibility Study Agreement and receipt of the applicable Feasibility Study fee, the Company shall conduct the Feasibility Study.

- The Company verifies Facility equipment passes screens 1-5 in Figure 1 if a radial EPS or the screens in Figure 2 if a network EPS. If a Facility fails Screen #5 in Figure 1, the Facility will not be automatically evaluated under the Expedited Process. The Company shall have 20 Business Days to review an application where the Facility has failed screen #5 in Figure 1.
- c. If approved, the Company signs the application approval line and sends to the Interconnecting Customer. In certain rare circumstances, the Company may require the Interconnecting Customer to pay for minor System Modifications. If so, a description of work and an estimate will be sent back to the Interconnecting Customer for approval prior to the Company signing the application approval line. The Interconnecting Customer would then approve via a signature and payment for the minor System Modifications. Once payment has been made, the Company will sign the application approval line and send the executed document to the Interconnecting Customer.
- d. Upon receipt of 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.
- e. The Interconnecting Customer returns Certificate of Completion to the Company (refer to Attachment 2 of the Simplified Process Application for the Certificate of Completion).
- f. Following receipt of the Certificate of Completion, the Company may inspect the Facility for compliance with standards by arranging for a Witness Test. The Interconnecting Customer has no right to operate in parallel until a Witness Test has been performed or has been previously waived on the Application Form. The Company is obligated to complete this Witness Test within 10 business days of the receipt of the Certificate of Completion. If the Company does not inspect in 10 business days or by mutual agreement of the Parties, the Witness Test is deemed waived.
- g. 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

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required for approval.

h. The Interconnecting Customer has no right to operate in parallel until they have received the Authorization to Interconnect.

If the Interconnecting Customer does not substantially complete construction within 12 months after receiving approval from the Company, the Company will require the Interconnecting Customer to reapply for interconnection.

3.2 Pre-Application Reports

Prior to submitting an Interconnection Application through either the Expedited or Standard Process (see Sections 3.3 and 3.4), all Interconnecting Customers with Facilities that are 500 kW or greater must request and receive a Pre-Application Report from the Company. The Pre-Application Form is provided in Exhibit B. The Pre-Application Report is optional at the election of the Interconnecting Customer for those Facilities that are less than 500 kW. There is no fee for either a mandatory or optional Pre-Application Report.

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Following the submission for either a mandatory or optional Pre-Application Report, the Company shall provide the Report within 10 Business Days. The Pre-Application Report produced by the Company is non-binding, and the Interconnecting Customer must still successfully apply to interconnect to the Company's EPS.

The Company shall provide the following information for the proposed Facility interconnection location in the Pre-Application Report:

Circuit voltage at the substation;

Circuit name;

Circuit voltage at proposed Facility;

Whether Single or three phase is available near site:

If single phase – distance from three phase service;

Aggregate connected Facilities (kW) on circuit;

Submitted complete applications of Facilities (kW) on circuit that have not yet been interconnected;

Whether the Interconnecting Customer is served by an area network, a spot network, or radial system;

Identification of feeders within ½ mile of the proposed interconnection site through a snap-shot of GIS map or other means; and

Other obvious system constraints or critical items that may impact the proposed Facility.

3.3 Expedited Process

Other Interconnecting Customers not qualifying for the Simplified Process or not in the Standard Process must pass a series of screens before qualifying for Expedited interconnection. Depending on whether one or more screens are passed, additional steps may be required.

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The Expedited Process is as follows:

- a. Application process:
 - i. Interconnecting Customer submits an Expedited/Standard application filled out properly and completely (Exhibit B).
 - ii. Company acknowledges to the Interconnecting Customer receipt of the application within 3 business days of receipt.
 - iii. 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.
 - iv. A Renewable Interconnecting Customer may request a Feasibility Study. Upon receipt of an executed Feasibility Study Agreement and receipt of the applicable Feasibility Study fee, the Company shall conduct the Feasibility Study. **Jupon** receipt of an executed Feasibility Study Agreement and receipt of the applicable Feasibility Study fee, the Company shall conduct the Feasibility Study. If the results of the Feasibility Study allow the Company to provide an executable ISA, it will do so. Otherwise, the Company will provide an ISRDG Study Agreement.

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- b. Company then conducts an initial review which includes applying the screening methodology (Screens 1 through 8 in Figure 1).
- c. The Company reserves the right to conduct internal studies if deemed necessary and at no additional cost to the Interconnecting Customer, such as but not limited to: protection review, aggregate harmonics analysis review, aggregate power factor review and voltage regulation review. Likewise, when the proposed interconnection may result in reversed load flow through the Company's load tap changing transformer(s), line voltage regulator(s), control modifications necessary to mitigate the effects may be made to these devices by the Company at the Interconnecting Customer's expense or the Facility may be required to limit its output so reverse load flow cannot occur or to provide reverse power relaying that trips the Facility.

As part of the Expedited Process, the Company will assess whether any System Modifications are required for interconnection, even if the project passes all of the applicable Screens. If the needed modifications are minor, that is, the requirement can be determined within the time allotted through the application fee and any internal studies, then the modification requirements, reasoning, and costs for these minor modifications will be identified and included in the executable Interconnection Service Agreement. If the requirements cannot be determined within the time and cost alloted in the initial review and any internal studies, the Company may require that the project undergo additional review to determine those requirements. The time allocated for additional review is a maximum of 10 hours of engineering time.

If after this review, the Company still cannot determine the requirements, the Company will document the reasons why and will meet with the Interconnecting Customer to

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determine how to move the process forward to the Parties' mutual satisfaction. In all cases, the Interconnecting Customer will pay for the cost of modifications as discussed in Section 5.0.

d. Assuming that all applicable Screens are passed and the Company has no concerns with the proposed interconnection, the Company sends the Interconnecting Customer an executable Interconnection Service Agreement and a quote for any required System Modifications or reasonable Witness Test costs. No other studies will be required.

e. If one or more Screens are not passed, the Company will provide a Supplemental Review Agreement. If the Interconnecting Customer executes the agreement, the Company will conduct the review. If the Supplemental Review determines the requirements for processing the application through the Expedited Process including any System Modifications, then the modification requirements, reasoning, and costs for these modifications as defined in Section 5.0 will be identified and included in an executable Interconnection Service Agreement sent to the Interconnecting Customer for execution. If the Supplemental Review does not determine the requirements, it will include a proposed Impact Study Agreement or ISRDG Agreement as part of the Standard Process which will include an estimate of the cost of the study. Even if a proposed project initially fails a particular Screen in the Expedited Process, if Supplemental Review shows that it can return to the Expedited Process then it will do so. Supplemental Review includes up to 10 hours of engineering time.

- f. Interconnecting Customer returns the signed Interconnection Service Agreement which is then executed by the Company.
- g. Interconnecting Customer completes installation and, upon receipt of payment, the Company completes System Modifications, if required.
- h. Company inspects completed installation for compliance with standards and attends Witness Test, if required.
- i. Interconnecting Customer sends Certificate of Completion to Company.
- j. Assuming inspection is satisfactory, the Company notifies Interconnecting Customer in writing that interconnection is authorized.
- k. The Interconnecting Customer has no right to operate in parallel until it has received the Authorization to Interconnect

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3.4 Standard Process

The Standard Process has the longest maximum time period and highest potential costs. There are three ways to enter the Standard Process:

1. Interconnecting Customers may choose to proceed immediately to the Standard Process. Application process:

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- i. Interconnecting Customer submits an Expedited/Standard Application filled out properly and completely (Exhibit B).
- ii. Company acknowledges to the Interconnecting Customer receipt of the application within 3 business days.
- iii. 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.
- iv. A Renewable Interconnecting Customer may <u>initially</u> request a Feasibility Study prior to requesting an ISRDG, but the applicant is not required to do so. Upon receipt of an executed Feasibility Study Agreement and receipt of the applicable Feasibility Study fee, the Company shall conduct the Feasibility Study.
- v. If the Renewable Interconnecting Customer requests a follow-up ISRDG, the Renewable Interconnecting Customer shall execute an ISRDG Agreement and send in the appropriate payment as per Table 2 and continue on with process as outlined below.

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- 2. Based upon the results of the initial and Supplemental Reviews, Interconnecting Customers may be required to enter the Standard Process.
- 3. Based on the results of the Screens in Figure 2 for networks, Interconnecting Customers may be required to enter the Standard Process.

The Standard Process is as follows:

- a. The Company will conduct an initial review that includes a scoping meeting/discussion with the Interconnecting Customer (if necessary) to review the application. At the scoping meeting the Company will provide pertinent information such as:
 - The available fault current at the proposed location;
 - The existing peak loading on the lines in the general vicinity of the Facility;
 - The configuration of the distribution lines.
- b. A Renewable Interconnecting Customer may <u>initially</u> request a Feasibility Study prior to requesting an ISRDG, but the applicant is not required to do so. Upon receipt of an executed Feasibility Study Agreement and receipt of the applicable Feasibility Study fee, the Company will conduct the Feasibility Study.
- c. Company provides an Impact Study Agreement, or an ISRDG, including a cost estimate for the study or the costs for an ISRDG as outlined in table 2. Where there are other potentially Affected Systems, and no single Party is in a position to prepare an Impact Study covering all potentially Affected Systems, the Company will coordinate but not be responsible for the timing of any studies required to determine the impact of the interconnection request on other potentially Affected Systems. The Interconnecting Customer will be directly responsible to the potentially Affected

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System operators for all costs of any additional studies required to evaluate the impact of the interconnection on the potentially Affected Systems. The timelines in Table 1 will be affected if the ISO-NE's Operating Procedure 14 will be required. This will occur if the Interconnecting Customer's Facility is greater than or equal to 5 MWs and could occur if the aggregate capacity of Facilities connected (which are on the same feeder and are physically close to each other) is greater than or equal to 5 MWs.

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- d. Once the Interconnecting Customer executes the Impact Study Agreement, or an ISRDG Agreement, and pays pursuant to the terms thereof, the Company will conduct the Impact Study or ISRDG.
- e. If the Company determines, in accordance with Good Utility Practice, that the System Modifications to the Company EPS are not substantial (i.e., no substation upgrades, etc.), the Impact Study or ISRDG will determine the scope and cost of the modifications as defined in Section 5.0. If the Company determines, in accordance with Good Utility Practice, that the System Modifications to the Company EPS are substantialthe Impact Study or ISRDG will produce an estimate for the modification costs (within ±25%) and a Detailed Study Agreement and estimated Detailed Study cost for Interconnecting Customer's approval.

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f. The Interconnecting Customer will have 10 business days to provide comments on the Impact Study.

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- g. Once the Interconnecting Customer executes the Detailed Study Agreement and pays pursuant to the terms thereof, the Company will conduct the Detailed Study.
- h. Upon completion of any necessary studies and upon request from the customer, the Company shall send the Interconnecting Customer an executable Interconnection Service Agreement including a quote for any required System Modifications and reasonable Witness Test costs, assuming the customer has met all necessary obligations up to this point.
- i. Interconnecting Customer returns signed Interconnection Service Agreement.
- j. Interconnecting Customer completes installation and Company completes System Modifications, if required.
- k. Company inspects completed installation for compliance with requirements and attends Witness Test, if required.
- 1. Interconnecting Customer sends Certificate of Completion to Company.
- m. Assuming inspection is satisfactory, the Company notifies Interconnecting Customer in writing that interconnection is authorized.
- n. The Interconnecting Customer has no right to operate in parallel until it has received the Authorization to Interconnect.

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3.5 Time Frames

Unless otherwise noted, all days in the Interconnection Tariff reference Company business days under normal work conditions.

For a Renewable Interconnecting Customer, the timeframes for a Feasibility Study will be 30 calendar days after returning an executed Feasibility Study agreement with payment.

For a Renewable Interconnecting Customer, the timeframes for an ISRDG Study will be 90 calendar days after returning an executed ISRDG agreement with payment.

Table 1 lays out the maximum timeframes allowed under the Simplified, Expedited, and Standard Review processes. The maximum time allowed for the Company to execute the entire Simplified Process is 15 days. The maximum time allowed for the Company to execute the entire Expedited Process on a radial system is 40 days where no Supplemental Review is needed and 60 days where it is needed. The maximum time allowed for the Company to execute the entire Standard Process is 125 days for the Standard Review Process if the Customer goes directly to Standard Review and 150 days if the Customer goes from the Expedited Process into Standard Review. For Customers qualifying for the Simplified Process on a spot network, the maximum time is 40 days if load data is available and 100 days if it is not. The Company clock is stopped when awaiting information from Customers. Any delays caused by Customer will interrupt the applicable clock. Moreover, if an Interconnecting Customer fails to act expeditiously to continue the interconnection process or delays the process by failing to provide necessary information within the longer of 15 days or half the time allotted to the Company to perform a given step, or as extended by mutual agreement, then the Company may terminate the application and the Interconnecting Customer must re-apply. However, the Company will be required to retain the work previously performed in order to reduce the initial and Supplemental Review costs incurred for a period of no less than 1 year. If the Interconnecting Customer does not initiate construction within twelve (12) months of signing the Interconnection Agreement, the Company may require the customer to provide evidence that the project is moving toward construction. In the event that the Customer cannot provide such evidence (i.e., the project's permitting has been appealed or other reasons beyond the Interconnecting Customer's control), the Company reserves the right to require additional study or require the Customer to reapply for interconnection. Situations that could trigger enforcement of this time limit are: (1) material changes on the distribution circuits (e.g. load changes, circuit reconfiguration) or (2) a second application for interconnection received by the Company on a circuit from the same substation. The same rights of the Company to require the customer to reapply for interconnection pertains if the interconnecting customer, after initiating construction, does not complete construction within twenty-four months. Notwithstanding these maximum time frames, the Company shall endeavor to meet the Customer's needs.

3.6 Fee Schedules

Table 2 lays out the fees required for Interconnecting Customers and Renewable Interconnecting Customers to apply for interconnection.

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Figure 1 – Schematic of Rhode Island DG Interconnection Process

Expedited Interconnection

Under Interconnection Tariff

Simplified Interconnection

Under Interconnection Tariff

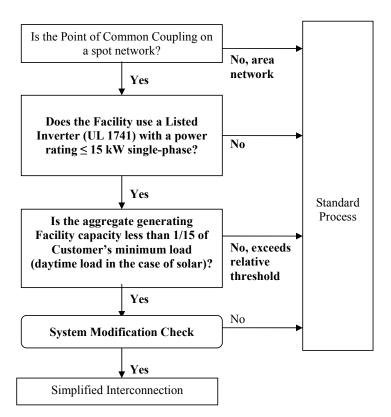
Interconnecting Customer submits complete application and application fee 1. Is the Point of Common Coupling on a radial Interconnecting Customer opts Go to Figure 2 distribution system? for Standard Process Yes 2. Is the aggregate generating Facility capacity on the circuit less No than 15% of circuit annual peak load? (Note 1) Deleted: 7.5 Yes 3. Does the Facility use a Listed Inverter (UL 1741)? (Note 3) Deleted: 0 4. Is the Facility power rating ≤ 15 kWs single-phase or ≤ 25 kWs Perform Standard Supplemental Process 5. Is the Service Type Screen met? (Note 2) Review Initial Review Yes No No Does the Facility pass all the following Screens? 6. Is the Facility Listed per Note 3? 7. Is the Starting Voltage Drop Screen met? (Note 4) Does Supplemental Review determine requirements? 8. Is the Fault Current Contribution Screen met? (Note 5) Yes 9. Is the Service Configuration Screen met? (Note 6) Company provides cost estimate and schedule for Interconnection Study(ies) 10. Is the Transient Stability Screen met? (Note 7) Interconnecting Customer accepts Company performs Impact and Yes Detailed (if required) Study System Modification Check Facility Processed for Facility Processed for Facility Processed for

Standard Interconnection

Under Interconnection Tariff

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Figure 2 – Simplified Interconnection to Networks



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Explanatory Notes to Accompany Figure 1

Note 1. On a typical radial distribution EPS circuit ("feeder") the annual peak load is measured at the substation circuit breaker, which corresponds to the supply point of the circuit. A circuit may also be supplied from a tap on a higher-voltage line, sometimes called a subtransmission line. On more complex radial EPSs, where bidirectional power flow is possible due to alternative circuit supply options ("loop service"), the normal supply point is the loop tap.

Note 2. This screen includes a review of the type of electrical service provided to the Interconnection Customer, including the service transformer configuration and service type to limit the potential for creating unacceptable voltage imbalance, over-voltage or under-voltage conditions, or service equipment overloads on the Company EPS due to a mismatch between the size and phasing of the energy source, the service loads fed from the service transformer(s), and the service equipment ratings.

Note 3. A Listed Facility has successfully passed all pertinent tests to conform with IEEE Standard 1547. IEEE Standard 1547 includes design specifications, operational requirements, and a list of tests that are required for Facilities. IEEE Standard 1547.1 describes how to conduct tests to show compliance with provisions of IEEE Standard 1547. To meet Screen 3 or 4, Interconnecting Customers must provide information or documentation that demonstrates how the Facility is in compliance with the IEEE Standard 1547.1 A Facility will be deemed to be in compliance with the IEEE Standard 1547.1 if the Company previously determined it was in compliance. Applicants who can demonstrate Facility compliance with IEEE Standard 1547.1, with the testing done by a nationally recognized testing laboratory, will be eligible for the Expedited Process, and may be eligible for the Simplified process upon review by the utility.

Rhode Island has adopted UL1741 (Inverters, Converters and Charge Controllers for Use in Independent Power Systems) and UL2200 (Stationary Engine Generator Assemblies) as the standard for power systems to comply with IEEE Std. 1547 and 1547.1. Equipment listed to UL1741 or UL2200 by a nationally recognized testing laboratory will be considered in compliance with IEEE Std. 1547 and 1547.1. An Interconnecting Customer should contact the Facility supplier(s) to determine if it has been listed to either of these standards.

In addition, California and New York have adopted rules for expediting application review and approval of Facility interconnections onto electric distribution systems. Facilities in these states must meet the applicable commission approved tests and/or criteria for expedited procedures in these states. The Company will accept a Facility as eligible for "Listed" and a candidate for the Rhode Island Simplified or Expedited Process if it has been approved for such expedited procedures, or approved for interconnection, in California or New York. It is the Interconnecting Customer's responsibility to determine if, and submit verification that, the proposed Facility has been so approved in California or New York.

Note 4. This Screen only applies to Facilities that start by motoring the generating unit(s) or the act of connecting synchronous generators. The voltage drops should be less than the criteria below. There are two options in determining whether Starting Voltage Drop could be a problem. The option to be used is at the Company's discretion:

Deleted: To be eligible for the Simplified Process, a Listed inverterbased Facility must be either (1) a singlephase unit on a customer's local EPS receiving single-phase secondary service at the PCC from a single-phase service transformer, or (2) a three-phase unit on a customer's local EPS receiving threephase secondary service at the PCC from a three-phase transformer configuration.

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Option 1: The Company may determine that the Facility's starting inrush current is equal to or less than the continuous ampere rating of the Facility's service equipment.

Option 2: The Company may determine the impedances of the service distribution transformer (if present) and the secondary conductors to the Facility's service equipment and perform a voltage drop calculation. Alternatively, the Company may use tables or nomographs to determine the voltage drop. Voltage drops caused by starting a generating unit as a motor must be less than 2.5% for primary interconnections and 5% for secondary interconnections.

Note 5. The purpose of this Screen is to ensure that fault (short-circuit) current contributions from all Facilities will have no significant impact on the Company's protective devices and EPS. All of the following criteria must be met when applicable:

a. The proposed Facility, in aggregation with other generation on the distribution circuit, will not contribute more than 10% to the distribution circuit's maximum fault current under normal operating conditions at the point on the high voltage (primary) level nearest the proposed PCC.

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- b. The proposed Facility, in aggregate with other generation on the distribution circuit, will not cause any distribution protective devices and equipment (including but not limited to substation breakers, fuse cutouts, and line reclosers), or Interconnecting Customer equipment on the EPS to exceed 85% of the short-circuit interrupting capability. In addition, the proposed Facility will not be installed on a circuit that already exceeds 85% of the short-circuit interrupting capability.
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- c. When measured at the secondary side (low side) of a shared distribution transformer, the short-circuit contribution of the proposed Facility must be less than or equal to 2.5% of the interrupting rating of the Company's service equipment.

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Coordination of fault-current protection devices and systems will be examined as part of this Screen.

Note 6. This Screen includes a review of the type of electrical service provided to the Interconnecting Customer, including line configuration and the transformer connection to limit the potential for creating over voltages on the Company EPS due to a loss of ground during the operating time of any anti-islanding function.

Primary Distribution Line Type	Type of Interconnection to Primary Distribution Line	Result/Criteria	
Three-phase, three wire	3-phase or single phase, phase-to-phase	Pass Screen	
Three-phase, four wire	Effectively-grounded 3 phase or single-phase, line-to-neutral	Pass Screen	

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If the proposed generator is to be interconnected on a single-phase transformer shared secondary, the aggregate generation capacity on the shared secondary, including the proposed generator, will not exceed 20 kilovolt-ampere ("kVA").

If the proposed generator is single-phase and is to be interconnected on a center tap neutral of a 240 volt service, its addition will not create an imbalance between the two sides of the 240 volt service of more than 20% of nameplate rating of the service transformer.

Note 7. The proposed Facility, in aggregate with other Facilities interconnected to the distribution low voltage side of the substation transformer feeding the distribution circuit where the Facility proposes to interconnect, will not exceed 10 MW in an area where there are known or posted transient stability limitations to generating units located in the general electrical vicinity (e.g., 3 or 4 transmission voltage level buses from the PCC).

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Table 1 - Time Frames (Note 1)

Revie	ew Process	Simplified	Expedited	Sta	ndard	Simplified Spo Formatted Table Network
Eligib	ole Facilities	Listed Small Inverter	Listed DG	Non- renewable	Renewable DG	Listed Inverter ≤ 15 kW single-phase Deleted: Any
	owledge receipt of cation	(3 days)	(3 days)	(3 days)	(3 days)	(3 days)
	w Application for leteness	10 days	10 days	10 days	10 days	10 days
Comp screer	olete Review of all	10 days	25 days	n/a	n/a	Site review 30/90 days (Note 2)
1	olete Supplemental w (if needed)	n/a	20 days	n/a	n/a	
1	olete Standard ss Initial Review	n/a		20 days	20 days if Feasibility Study not requested	n/a
	Follow-on Studies Agreement	n/a		5 days	5 days	n/a Formatted: Centered
	bility Study quested)			n/a	30 calendar days	
or ISI (if req	juested)	n/a		55 days	The shorter of 55 days or 90 calendar days	n/a
	plete Detailed Study (uested)	n/a	n/a	30 days	30 days	n/a
	Executable ement (Note 3)	Done	10 days	15 days	15 days	Done (comparable to Simplified for radial)
Total	Maximum Days,	15 days	40/ 60 days	125/150 days (Note <u>5</u>)	Varies depending on which studies are done (Note 5)	40/ 100 days Deleted: (Note 4) Deleted: 5
Notic	e/ Witness Test	< 1 day with 10 day notice or by mutual agreement	1-2 days with 10 day notice or by mutual agreement	By mutual agreement	By mutual agreement	1 day with 10- da Deleted: 6 notice or by mutual agreement

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Table 2 - Fee Schedules

	Simplified	Expedited	Standard		Simplified Spot Network	
	Listed Small Inverter	Listed DG	Non-renewable DG L	Renewable DG requesting a Feasibility Study or ISRDG		Deleted: including Renewable DG not requesting a Feasibility Study or
Application Fee (covers Screens)	0 (Note 1)	\$3/kW, minimum \$300, maximum \$2,500	\$3/kW, minimum \$300, maximum \$2,500	Feasibility Study Fee required in lieu of Application Fee.	≤\$3/kW \$100, ≥3 kW \$300	ISRDG Deleted: N/A
Supplemental Review or Additional Review (if applicable)	N/A	Up to 10 engineering hours at \$125/hr (\$1,250 maximum) (Note2)	N/A	N/A	N/A	
Standard Interconnection Initial Review	N/A	N/A	Included in application fee (if applicable)	N/A	N/A	
Feasibility Study	N/A	N/A	N/A	Residential:	N/A	
Impact Study or ISRDG	N/A	N/A	Actual cost (Note 3)	Residential:	N/A	
Detailed Study (if required)	N/A	N/A	Actual cost (Note 3)	Actual cost (Note 3)	N/A	
Facility Upgrades	N/A (Note 5)	Actual cost	Actual cost	Actual cost	N/A	
O&M (Note 6)	N/A	TBD	TBD	TBD	N/A	
Witness Test	0	Actual cost, up to \$300 + travel time (Note 7)	Actual Cost	Actual Cost	0 (Note 8)	

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Explanatory Notes to Accompany Tables 1 and 2

Table 1 – Time Frames

Note 1. All days listed apply to Company business days under normal work conditions unless otherwise noted. All numbers in this table assume a reasonable number of applicants under review. All timelines may be extended by mutual agreement. Any delays caused by Interconnecting Customer will interrupt the applicable clock. Moreover, if an Interconnecting Customer fails to act expeditiously to continue the interconnection process or delays the process by failing to provide necessary information within the longer of 15 days or half the time allotted to the Company to perform a given step, or as extended by mutual agreement, then the Company may terminate the application and the Interconnecting Customer must reapply. However, the Company will be required to retain the work previously performed in order to reduce the initial and Supplemental Review costs incurred for a period of no less than 1 year. The timelines in Table 1 will be affected if ISO-NE determines that a system impact study is required. This will occur if the Interconnecting Customer's Facility is greater than 5 MW and may occur if the Interconnecting Customer's Facility is greater than 1 MW.

Note 2. 30 days if load is known or can be reasonably determined, 90 days if it has to be metered.

Note 3. Company delivers an executable agreement form. Once the Interconnection Service Agreement is delivered by the Company, any further modification and timetable will be established by mutual agreement.

Note 4. Shorter time applies to Expedited Process without Supplemental Review; longer time applies to Expedited Process with Supplemental Review.

Note 5. 125 day maximum applies to an Interconnecting Customer opting to begin directly in Standard Process, and 150 days is for an Interconnecting Customer who goes through initial Expedited Process first. In both cases this assumes that both the Impact Study or ISRDG and Detailed Studies are needed. If the Detailed Study is not needed, the timelines will be shorter.

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Table 2 - Fee Schedules

Note 1. If the Company determines that the Facility does not qualify for the Simplified Process, it will let the Interconnecting Customer know what the appropriate fee is.

Note 2. Supplemental Review and additional review are defined in Section 3.2.

Note 3. This is the actual cost only attributable to the applicant. Any costs not expended from the application fee previously collected will go toward the costs of these studies.

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Deleted: Actual totals laid out in columns exceed the maximum target The Parties further agree that average days (fewer than maximum days) is a performance metric that will be tracked.

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Note 4. To the extent that an ISRDG fee established under this section does not cover the reasonable cost of an ISRDG for a given non-residential project that commences operation, the balance of such costs shall be recovered from such applicant through billings after the project is online. The Company may, at its sole election, offset net metering credits or any standard contract payments until the full fee(s) is reimbursed, if it finds it administratively convenient to use that means of billing for the balance of the fee for a given project.

Note 5. Not applicable except in certain rare cases where a System Modification would be needed. If so, the modifications are the Interconnecting Customer's responsibility.

Note 6. O & M is defined as the Company's operations and maintenance carrying charges on the incremental costs associated with serving the Interconnecting Customer.

Note 7. The fee will be based on actual cost up to \$300 plus driving time, unless Company representatives are required to do additional work due to extraordinary circumstances or due to problems on the Interconnecting Customer's side of the PCC (e.g., Company representative required to make two trips to the site), in which case Interconnecting Customer will cover the additional cost.

Note 8. Unless extraordinary circumstances.

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4.0 Interconnection Requirements

4.1 General Design Considerations

Interconnecting Customer shall design and construct the Facility in accordance with the applicable manufacturer's recommended maintenance schedule, in compliance with all aspects of the Company's Interconnection Tariff. Interconnecting Customer agrees to cause its Facility to be constructed in accordance with applicable specifications that meet or exceed those provided under this Section of the Interconnection Tariff.

4.1.1 Transient Voltage Conditions

Because of unusual events in the Company's EPS, there will be transient voltage fluctuations, which will result in voltages exceeding the limits of the stated ranges. These transient voltage fluctuations, which generally last only a few milliseconds, arise due to EPS disturbances including, but not limited to, lightning strikes, clearing of faults, and other switching operations. The magnitude of transient voltage fluctuations varies with EPS configuration, grounding methods utilized, local short circuit availability, and other parameters, which vary from point-to-point and from time-to-time on the distribution EPS.

The fluctuations may result in voltages exceeding the limits of the stated ranges and occur because of EPS disturbance, clearing of faults and other switching operations. These unavoidable transients are generally of too short duration and insufficient magnitude to have any adverse effects on general service applications. They may, however, cause malfunctions in equipment highly sensitive to voltage changes, and protective devices may operate to shut down such devices. The magnitude, duration and frequency of transient fluctuations will vary due to EPS configuration and/or circuit arrangement. In addition, disturbances of indeterminate magnitude and duration may occur on infrequent occasions due to short circuits, faults, and other unpredictable conditions.

Transient voltages should be evaluated in the design of the Facility.

4.1.2 Noise and Harmonics

The introduction of abnormal noise/harmonics can cause abnormal neutral current flow, and excessive heating of electrical equipment. Harmonics may also cause distortion in TV pictures, telephone interference, and malfunctions in digital equipment such as computers. The permissible level of harmonics is dependent upon the voltage level and short circuit ratio at a given location. IEEE Standard 1547-2003 provides these levels at the PCC. In requiring adherence to IEEE Standard 1547-2003 the Company is in no way making a recommendation regarding the level of harmonics that a given piece of equipment can tolerate nor is it making a recommendation as to the permissible level in the Interconnecting Customer's Facility.

4.1.3 Frequency

The interconnected electric power system in North America, which is maintained at 60 hertz ("Hz") frequency on its alternating current services, is subject to certain deviations. The

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usual maximum instantaneous deviation from the standard 60 Hz is $\pm 2/10$ cycle ($\pm 0.33\%$), except on infrequent occasions when the deviation may reach $\pm 1/10$ cycle ($\pm 0.17\%$). The usual normal deviation is approximately $\pm 1/20$ cycle ($\pm 0.083\%$). These conditions are subject to occur at any time of the day or night and should be considered in the design of the Facility. All are measured on a 60 Hz base.

4.1.4 Voltage Level

All electricity flow across the PCC shall be in the form of single-phase or three-phase 60 Hz alternating current at a voltage class determined by mutual agreement of the Parties.

4.1.5 Machine Reactive Capability

Facilities less than 1 megawatt ("MW") will not be required to provide reactive capability, except as may be provided by the retail rate schedule and Terms and Conditions for Distribution Services under which the Customer takes service.

Facilities greater than or equal to 1 MW interconnected with the Company EPS shall be required to provide reactive capability to regulate and maintain EPS voltage at the PCC as per NEPOOL requirements. The Company and NEPOOL shall establish a scheduled range of voltages to be maintained by the Facility. The reactive capability requirements shall be reviewed as part of the Impact Study and <u>Detailed</u> Study.

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4.2 Protection Requirements for New or Modified Facility Interconnections with the

EPS

4.2.1 General Requirements

Any Facility desiring to interconnect with the Company EPS or modify an existing interconnection must meet minimum specifications, where applicable, as set forth in the following documents and standards and requirements in this Section.

• IEEE Standard 1547, "IEEE Standard for Interconnecting Distributed Resources with Electric Power Systems."

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 UL Standard 1741, "Inverters, Converters and Charge Controllers for Use in Independent Power Systems."

In the event that the IEEE or UL Standards referenced above conflict with the Company's ESB 756, the Company's ESB 756 shall be followed.

The specifications and requirements listed herein are intended to mitigate possible adverse impacts caused by the Facility on the Company's equipment and personnel and on other Interconnecting Customers of the Company. They are not intended to address protection of the Facility itself or its internal load. It is the responsibility of the Facility to comply with the requirements of all appropriate standards, codes, statutes and authorities to protect itself and its loads.

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<#>IEEE Standard 929-2000, "IEEE Recommended Practice for Utility Interface of Photovoltaic (PV) Systems."

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The Company shall not be responsible for the protection of the Facility. The Facility shall be responsible for protection of its system against possible damage resulting from parallel operation with the Company so long as the Company adheres to Good Utility Practice. If requested by the Interconnecting Customer, the Company will provide system protection information for the line terminal(s) directly related to the interconnection. This protection information contained herein is provided exclusively for use by the Interconnecting Customer to evaluate protection of its Facility during parallel operation.

At its sole discretion, the Company may consider approving alternatives that satisfy the intent of the requirements contained in this Section.

4.2.2 Facility Classification

To determine the protection requirements for a given Facility, the following Groups have been established:

Group	Type of Interconnection
1	Facilities Qualified for Simplified Interconnection
2	All Facilities Not Qualified for Simplified Interconnection

4.2.3 Protection Requirements

All Facilities must meet performance requirements set forth in relevant sections of IEEE Standard 1547, in particular the attachments specific to Under Voltage Ride Through, Under Frequency Ride Through and VAr control. Additionally, all Facilities must meet the Company's ESB-756.

4.2.3.1 Group 1 Facilities

- a. The inverter-based Facility shall be considered *Listed* if it meets requirements set forth in Section 3.1 "Simplified Process".
- b. **External Disconnect Switch:** For Listed inverters, the Company may require an external disconnect switch (or comparable device by mutual agreement of the Parties) at the PCC with the Company or at another mutually agreeable point that is accessible to Company personnel at all times and that can be opened for isolation if the switch is required. The switch shall be gang operated, have a visible break when open, be rated to interrupt the maximum generator output and be capable of being locked open, tagged and grounded on the Company side by Company personnel. The visible break requirement can be met by opening the enclosure to observe the contact separation. The Company shall have the right to open this disconnect switch in accordance with this Interconnection Tariff.

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Deleted: The following italicized text is excerpted from IEEE Standard 1547-2003 and applies to Section 4.2.3 only. The numbering is also from IEEE Standard 1547-2003 and therefore is not in sequence with the Interconnection Tariff numbering.

Deleted: 4.1.1 Voltage regulation¶

The DR [distributed resource] shall not actively regulate the voltage at the PCC [unless required by NEPOOL's operating procedures]. The DR shall not cause the Area EPS service voltage at other Local EPSs to go outside the requirements of ANSI C84.1-1995, Range A.¶

4.1.2 Integration with Area EPS grounding¶

The grounding scheme of the DR interconnection shall not cause overvoltages that exceed the rating of the equipment connected to the Area EPS and shall not disrupt the coordination of the ground fault protection on the Area EPS. ¶

4.1.3 Synchronization¶

The DR unit shall parallel with the Area EPS without causing a voltage fluctuation at the PCC greater than ± 5% of the prevailing voltage level of the Area EPS at the PCC, and meet the flicker requirements of 4.3.2.¶

4.1.8.2 Surge withstand performance

The interconnection system shall have the capability to withstand voltage and current surges in accordance with the environments defined in IEEE Std C62.41.2-2002 or IEEE C37.90.1-2002 as applicable.¶

4.2 Response to Area EPS abnormal conditions¹⁰¶

Abnormal conditions can arise on the Area EPS that require a response from the connected DR. This response contributes to the safety of utility maintenance personnel and the general public, as well as the avoidance of damage to connected equipment, including the DR. All voltage and frequency parameters specified in these subclauses shall be met at the PCC, unless otherwise stated.¶

4.2.1 Area EPS faults¶

The DR unit shall cease to energize the Area EPS for faults on the Area EPS circuit to which it is connected.

"A.2.2 Area EPS reclosing coordination The DR shall cease to energize the Area EPS circuit to which it is connected prior to reclosure by the Area EPS. The shall be a support to reclosure by the Area EPS.

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4.2.3.2 Group 2 Facilities

4.2.3.2.1 General Requirements

- a. Non Export Power: If the Parties mutually agree that non-export functionality will be part of the interconnection protection equipment then it will include one of the following: (1) a reverse power relay with mutually agreed upon delay intervals, or (2) a minimum power function with mutually agreed upon delay intervals, or (3) other mutually agreeable approaches, for example, a comparison of nameplate rating versus certified minimum Customer premises load.
- b. The ISO-NE is responsible for assuring compliance with NPCC criteria. For the interconnection of some larger units, the NPCC criteria may additionally require:

NPCC Protective Relaying Requirements: The Company may require the Facility to be equipped with two independent, redundant relaying systems in accordance with NPCC criteria, where applicable, for the protection of the bulk power system if the interconnection is to the bulk power system or if it is determined that delayed clearing of faults within the Facility adversely affects the bulk power system.

NPCC Requirements: During system conditions where local area load exceeds system generation, NPCC Emergency Operation Criteria requires a program of phased automatic under frequency load shedding of up to 25% of area load to assist in arresting frequency decay and to minimize the possibility of system collapse. Depending on the point of connection of the Facility to the Company's EPS and in conformance with the NPCC Emergency Operating Criteria, the Facility may be required to remain connected to the EPS during the frequency decline to allow the objectives of the automatic load shedding program to be achieved, or to otherwise provide compensatory load reduction, equivalent to the Facility's generation lost to the system, if the Interconnecting Customer elects to disconnect the Facility at a higher under-frequency set point.

- c. **Disconnect Switch:** The Facility shall provide a disconnect switch (or comparable device mutually agreed upon by the Parties) at the point of Facility interconnection that can be opened for isolation. The switch shall be in a location easily accessible to Company personnel at all times. The switch shall be gang operated, have a visible break when open, be rated to interrupt the maximum generator output and be capable of being locked open, tagged and grounded on the Company side by Company personnel. The visible break requirement can be met by opening the enclosure to observe the contact separation. The Company shall exercise such right in accordance with Section 7.0 of this Interconnection Tariff.
- d. Transfer Tripping: A direct transfer tripping system, if one is required by either the Interconnecting Customer or by the Company, shall use equipment generally accepted for use by the Company and shall, at the option of the Company, use dual channels.

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4.2.3.2.2 Requirements for Induction and Synchronous Generator Facilities

a. **Interconnection Interrupting Device:** An interconnection Interrupting Device such as a circuit breaker shall be installed to isolate the Facility from the Company's EPS. If there is more than one Interrupting Device, this requirement applies to each one individually. The Interconnection Interrupting Device must be capable of interrupting the current produced when the Facility is connected out of phase with the Company's EPS, consistent with Section 4.1.8.3 of IEEE Standard 1547, which states, "the interconnection system paralleling-device shall be capable of withstanding 220% of the interconnection system rated voltage."

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b. **Synchronizing Devices:** The Interconnecting Customer shall designate one or more Synchronizing Devices such as motorized breakers, contactor/breaker combinations, or a fused contactor (if mutually agreeable) to be used to connect the Facility's generator to the Company's EPS. This Synchronizing Device could be a device other than the interconnection Interrupting Device. The Synchronizing Device must be capable of interrupting the current produced when the Facility is connected out of phase with the Company's EPS, consistent with Section 4.1.8.3 of IEEE Standard 1547, which states, "the interconnection system paralleling-device shall be capable of withstanding 220% of the interconnection system rated voltage."

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- c. Transformers: The Company reserves the right to specify the winding connections for the transformer between the Company's voltage and the Facility's voltage ("Step-Up Transformer") as well as whether it is to be grounded or ungrounded at the Company's voltage. In the event that the transformer winding connection is grounded-wye/grounded-wye the Company reserves the right to specify whether the generator stator is to be grounded or not grounded. The Interconnecting Customer shall be responsible for procuring equipment with a level of insulation and fault-withstand capability compatible with the specified grounding method.
- d. **Voltage relays:** Voltage relays shall be frequency compensated to provide a uniform response in the range of 40 to 70 Hz.
- e. **Protective Relaying Redundancy:** For induction generators greater than 1/15 of onsite minimum verifiable load that is not equipped with on-site capacitors or that is greater than 200 kW, and for all synchronous generators, protective relays utilized by the Facility shall be sufficiently redundant and functionally separate so as to provide adequate protection, consistent with Company practices and standards, upon the failure of any one component.
- f. **Protective Relay Hard-Wire Requirement:** Unless authorized otherwise by the Company, protective relays must be hardwired to the device they are tripping. Further, interposing computer or programmable logic controller or the like is not permitted in the trip chain between the relay and the device being tripped.
- g. **Protective Relay Supply:** Where protective relays are required in this Section, their control circuits shall be DC powered from a battery/charger system or a UPS. Solid-state relays shall be self-powered, or DC powered from a battery/charger system or a

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UPS. If the Facility uses a Company-acceptable non-latching interconnection contactor, AC powered relaying shall be allowed provided the relay and its method of application are fail safe, meaning that if the relay fails or if the voltage and/or frequency of its AC power source deviate from the relay's design requirements for power, the relay or a separate fail-safe power monitoring relay acceptable to the Company will immediately trip the generator by opening the coil circuit of the interconnection contactor.

- h. **Current Transformers ("CT"):** CT ratios and accuracy classes shall be chosen such that secondary current is less than 100 amperes and transformation errors are consistent with Company practices. CTs used for revenue class metering must have a secondary current of 20 amperes or less.
- i. Voltage Transformers ("VT")s and Connections: The Facility shall be equipped with a direct voltage connection or a VT, connected to the Company side of the Interrupting Device. The voltage from this VT shall be used in an interlock scheme, if required by the Company. For three-phase applications, a VT for each phase is required. All three phases must be sensed either by three individual relays or by one relay that contains three elements. If the voltage on any of the three phases is outside the bounds specified by the Company the unit shall be tripped. If the Facility's Step-Up Transformer is ungrounded at the Company voltage, this VT shall be a single three-phase device or three single-phase devices connected from each phase to ground on the Company's side of the Facility's Step-Up Transformer, rated for phase-to-phase voltage and provided with two secondary windings. One winding shall be connected in open delta, have a loading resistor to prevent ferroresonance, and be used for the relay specified in these requirements.

4.2.3.2.3 Additional Requirements for Induction Generator Facilities

a. Self-Excitation: A Facility using induction generators connected in the vicinity of capacitance sufficient to self-excite the generator(s) shall meet the requirements for synchronous machines. The capacitors that enable self-excitation may actually be external to the Facility. The Company will not restrict its existing or future application of capacitors on its lines nor restrict their use by other Interconnecting Customers of the Company to accommodate a Facility with induction machines. If self-excitation becomes possible due to the installation of or presence of capacitance, the protection requirements of the Facility may need to be reviewed and revised, if applicable.

The Facility may be required to install capacitors to limit the adverse effects of drawing reactive power from the EPS for excitation of the generator. Capacitors for supply of reactive power at or near the induction generator with a kilovolts-ampere reactive ("kVAr") rating greater than 30% of the generator's kW rating may cause the generator to become self-excited. (If self-excitation can occur, the Facility shall be required to provide protection as specified in synchronous machines requirements.)

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4.2.3.2.4 Additional Requirements for Synchronous Generator Facilities

- a. **Ungrounded Transformers:** If the Facility's Step-Up Transformer connection is ungrounded, the Facility shall be equipped with a zero sequence over-voltage relay fed from the open delta of the three-phase VT specified in the Voltage Transformers and Connections Section 4.2.3.2.2.i.
- b. **High-Speed Protection:** The Facility may be required to use high-speed protection if time-delayed protection would result in degradation in the existing sensitivity or speed of the protection systems on the Company's EPS.
- c. Breaker Failure Protection: The Facility may be required to be equipped to provide local breaker failure protection which may include direct transfer tripping to the Company's line terminal(s) in order to detect and clear faults within the Facility that cannot be detected by the Company's back-up protection.
- d. Communications Channels: The Interconnecting Customer is responsible for procuring any communications channels necessary between the Facility and the Company's stations, and for providing protection from transients and over-voltages at all ends of these communication channels. The Interconnecting Customer will also bear the ongoing cost to lease these communication channels. Examples include, but are not limited to, connection to a line using high-speed protection, transfer tripping, generators located in areas with low-fault currents, or back up for generator breaker failure.

4.2.4 Protection System Testing and Maintenance

The Company shall have the right to witness the commissioning testing as defined in IEEE Standard 1547-2003 at the completion of construction and to receive a copy of all test data. The Facility shall be equipped with whatever equipment is required to perform this test.

Testing typically includes, but is not limited to:

- CT and VT circuit polarity, ratio, insulation, excitation, continuity and burden tests,
- Relay pick-up and time delay tests,
- Functional breaker trip tests from protective relays,
- Relay in-service test to check for proper phase rotation and magnitudes of applied currents and voltages,
- Breaker closing interlock tests, and
- Paralleling and disconnection operation.

Prior to final approval by the Company or anytime thereafter, the Company reserves the right to test the generator relaying and control related to the protection of the Company's EPS.

The Interconnecting Customer has the full responsibility for the proper periodic maintenance of its generating equipment and its associated control, protective equipment and interrupting devices.

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The Interconnecting Customer is responsible for the periodic maintenance of those relays, interrupting devices, control schemes, and batteries that involve the protection of the Company's EPS. A periodic maintenance program, mutually agreeable to both the Company and to the Interconnecting Customer is to be established in each case. The Company shall have the right to monitor the periodic maintenance performed.

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For relays installed in accordance with the NPCC Criteria for the Protection of the Bulk Power System, maintenance intervals shall be in accordance with such criteria. The results of these tests shall be summarized by the Interconnecting Customer and reported in writing to the Company.

The Company reserves the right to install special test equipment as may be required to monitor the operation of the Facility and its control or for evaluating the quality of power produced by the Facility at a mutually agreed upon location. The cost of this testing will be borne by the Company unless there is shown to be a problem associated with the Facility or if the test was performed at the request of the Interconnecting Customer.

Each routine check shall include both a calibration check and an actual trip of the circuit breaker or contactor from the device being tested. Visually setting a calibration dial, index or tap is not considered an adequate calibration check.

Inverters with field adjustable settings for their internal protective elements shall be periodically tested if those internal elements are being used by the Facility to satisfy the requirements of this Section.

4.2.5 Protection Requirements – Momentary Paralleling of Standby Generators

Protective relays to isolate the Facility for faults in the Company EPS are not required if the paralleling operation is automatic and takes place for less than one-half of a second. An Interrupting Device with a half-second timer (30 cycles) is required as a fail-safe mechanism.

Parallel operation of the Facility with the Company EPS shall be prevented when the Company's line is dead or out of phase with the Facility.

The control scheme for automatic paralleling must be submitted by the Interconnecting Customer for review and acceptance by the Company prior to the Facility being allowed to interconnect with the Company EPS.

4.2.6 Protection System Changes

The Interconnecting Customer must provide the Company with reasonable advance notice of any proposed changes to be made to the protective relay system, relay settings, operating procedures or equipment that affect the interconnection. The Company will determine if such proposed changes require <u>additional review and/or approval</u> of the interconnection per the requirements of this Section.

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In the future, should the Company implement changes to the EPS to which the Facility is interconnected, the Interconnecting Customer will be responsible at its own expense for

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identifying and incorporating any necessary changes to its protection equipment. These changes to the Facility's protection equipment are subject to review and approval by the Company.

5.0 Responsibility for Costs of Interconnecting a Facility

5.1 Review and Study Costs

The Interconnecting Customer shall be responsible for the reasonably incurred costs of the review by the Company and any interconnection studies conducted as defined by Table 2 ("Fee Schedules") of Section 3.0 of this Interconnection Tariff solely to determine the requirements of interconnecting a Facility with the Company EPS.

5.2 Interconnection Equipment Costs

The Interconnecting Customer shall be responsible for all costs associated with the installation and construction of the Facility and associated interconnection equipment on the Interconnecting Customer's side of the PCC, less any System Improvements.

5.3 System Modification Costs

The Interconnecting Customer shall also be responsible for all costs reasonably incurred by Company attributable to the proposed interconnection project in designing, constructing, operating and maintaining the System Modifications. At the time that the Company provides an Interconnecting Customer with any Impact Study or Detailed Study, the Company shall also provide, along with that Study, a statement of the Company's policies on collection of tax gross-ups. As appropriate, to the extent that subsequent Interconnecting Customers benefit from System Modifications that were paid for by an earlier Interconnecting Customer, the Company may assess a portion of the costs to such subsequent Interconnecting Customers, which will be refunded to the earlier Interconnecting Customer if actually collected. Such assessments may occur for a period of up to five years from the Effective Date of the earlier Interconnecting Customer's Interconnection Service Agreement.

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5.4 Separation of Costs

Should the Company combine the installation of System Modifications with additions to the Company's EPS to serve other customers or interconnecting customers, the Company shall not include the costs of such separate or incremental facilities in the amounts billed to the Interconnecting Customer for the System Modifications required pursuant to this Interconnection Tariff.

The Interconnecting Customer shall only pay for that portion of the interconnection costs resulting solely from the System Modifications required to allow for safe, reliable parallel operation of the Facility with the Company EPS.

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5.5 Normal Payment Procedure

All application, study fees, and System Modification costs (except as noted below) are due in full prior to the execution of the work as outlined in this Interconnection Tariff. If the anticipated costs exceed \$25,000, the Interconnecting Customer is eligible for a payment plan, including a payment and construction schedule with milestones for both parties. At the request of the Interconnecting Customer, the Company will break the costs into phases in which the costs will be collected prior to Company expenditures for each phase of the study and/or construction including ordering equipment. The payment plan will be attached as an exhibit to the <u>ISA</u> or relevant study agreements. <u>The Company will not be required to</u> initiate any work for which advanced payment has not been received

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5.6 Security and Creditworthiness

In order for the Company to agree to any payment plan where some work may be performed in advance of payment, the Company may require the Interconnecting Customer to provide evidence of creditworthiness. In the event that Interconnecting Customer cannot provide such evidence to the satisfaction of the Company, then the Company may require the Interconnecting Customer to provide sufficient security in order to take advantage of a payment plan. Interconnecting Customer acknowledges that it will be responsible for the actual costs of the System Modifications described in the attached exhibit to the Interconnection Service Agreement, whether greater or lesser than the amount of the payment security provided under this section.

6.0 Operating Requirements

6.1 General Operating Requirements

Interconnecting Customer shall operate and maintain the Facility in accordance with the applicable manufacturer's recommended maintenance schedule, in compliance with all aspects of the Company's Interconnection Tariff. The Interconnecting Customer will continue to comply with all applicable laws and requirements after interconnection has occurred. In the event the Company has reason to believe that the Interconnecting Customer's installation may be the source of problems on the Company EPS, the Company has the right to install monitoring equipment at a mutually agreed upon location to determine the source of the problems. If the Facility is determined to be the source of the problems, the Company may require disconnection as outlined in Section 7.0 of this Interconnection Tariff. The cost of this testing will be borne by the Company unless the Company demonstrates that the problem or problems are caused by the Facility or if the test was performed at the request of the Interconnecting Customer.

6.2 No Adverse Effects; Non-interference

Company shall notify Interconnecting Customer if there is evidence that the operation of the Facility could cause disruption or deterioration of service to other Customers served from the same Company EPS or if operation of the Facility could cause damage to Company EPS or Affected Systems. The deterioration of service could be, but is not limited to, harmonic

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injection in excess of IEEE Standard 1547-2003, as well as voltage fluctuations caused by large step changes in loading at the Facility. Each Party will notify the other of any emergency or hazardous condition or occurrence with its equipment or facilities which could affect safe operation of the other Party's equipment or facilities. Each Party shall use reasonable efforts to provide the other Party with advance notice of such conditions.

The Company will operate the EPS in such a manner so as to not unreasonably interfere with the operation of the Facility. The Interconnecting Customer will protect itself from normal disturbances propagating through the Company EPS, and such normal disturbances shall not constitute unreasonable interference unless the Company has deviated from Good Utility Practice. Examples of such disturbances could be, but are not limited to, single-phasing events, voltage sags from remote faults on the Company EPS, and outages on the Company EPS. If the Interconnecting Customer demonstrates that the Company EPS is adversely affecting the operation of the Facility and if the adverse effect is a result of a Company deviation from Good Utility Practice, the Company shall take appropriate action to eliminate the adverse effect.

6.3 Safe Operations and Maintenance

Each Party shall operate, maintain, repair, and inspect, and shall be fully responsible for, the facility or facilities that it now or hereafter may own unless otherwise specified in this Interconnection Tariff. Each Party shall be responsible for the maintenance, repair and condition of its respective lines and appurtenances on their respective side of the PCC. The Company and the Interconnecting Customer shall each provide equipment on its respective side of the PCC that adequately protects the Company's EPS, personnel, and other persons from damage and injury.

6.4 Access

The Company shall have access to the disconnect switch of the Facility at all times.

6.4.1 Company and Interconnecting Customer Representatives

Each Party shall provide and update as necessary the telephone number that can be used at all times to allow either Party to report an emergency.

6.4.2 Company Right to Access Company-Owned Facilities and Equipment

If necessary for the purposes of this Interconnection Tariff and in the manner it describes, the Interconnecting Customer shall allow the Company access to the Company's equipment and the Company's facilities located on the Interconnecting Customer's or Customer's premises. To the extent that the Interconnecting Customer does not own all or any part of the property on which the Company is required to locate its equipment or facilities to serve the Interconnecting Customer under this Interconnection Tariff, the Interconnecting Customer shall secure and provide in favor of the Company the necessary rights to obtain access to such equipment or facilities, including easements if the circumstances so require.

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6.4.3 Right to Review Information

The Company shall have the right to review and obtain copies of Interconnecting Customer's operations and maintenance records, logs, or other information such as, unit availability, maintenance outages, circuit breaker operation requiring manual reset, relay targets and unusual events pertaining to Interconnecting Customer's Facility or its interconnection with the Company EPS. This information will be treated as customer-confidential and only used for the purposes of meeting the requirements of Section 4.2.4.

7.0 Disconnection

7.1 Temporary Disconnection

- a. Emergency Conditions. Company shall have the right to immediately and temporarily disconnect the Facility without prior notification in cases where, in the reasonable judgment of Company, continuance of such service to Interconnecting Customer is imminently likely to (i) endanger persons or damage property or (ii) cause a material adverse effect on the integrity or security of, or damage to, Company EPS or to the electric systems of others to which the Company EPS is directly connected. Company shall notify Interconnecting Customer promptly of the emergency condition. Interconnecting Customer shall notify Company promptly when it becomes aware of an emergency condition that affects the Facility that may reasonably be expected to affect the Company EPS. To the extent information is known, the notification shall describe the emergency condition, the extent of the damage or deficiency, or the expected effect on the operation of both Parties' facilities and operations, its anticipated duration and the necessary corrective action.
- b. Routine Maintenance, Construction and Repair. Company shall have the right to disconnect the Facility from the Company EPS when necessary for routine maintenance, construction and repairs on the Company EPS. The Company shall provide the Interconnecting Customer with a minimum of seven calendar days planned outage notification consistent with the Company's planned outage notification protocols. If the Interconnecting Customer requests disconnection by the Company at the PCC, the Interconnecting Customer will provide a minimum of seven days notice to the Company. Any additional notification requirements will be specified by mutual agreement in the Interconnection Service Agreement. Company shall make an effort to schedule such curtailment or temporary disconnection with Interconnecting Customer.
- c. Forced Outages. During any forced outage, Company shall have the right to suspend interconnection service to effect immediate repairs on the Company EPS; provided, however, Company shall use reasonable efforts to provide the Interconnecting Customer with prior notice. Where circumstances do not permit such prior notice to Interconnecting Customer, Company may interrupt Interconnection Service and disconnect the Facility from the Company EPS without such notice.

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d. **Non-Emergency Adverse Operating Effects.** The Company may disconnect the Facility if the Facility is having an adverse operating effect on the Company EPS or other customers that is not an emergency, and the Interconnecting Customer fails to correct such adverse operating effect after written notice has been provided and a maximum of 45 days to correct such adverse operating effect has elapsed.

- e. **Modification of the Facility.** Company shall notify Interconnecting Customer if there is evidence of a material modification to the Facility and shall have the right to immediately suspend interconnection service in cases where such material modification has been implemented without prior written authorization from the Company.
- f. Re-connection. Any curtailment, reduction or disconnection shall continue only for so long as reasonably necessary. The Interconnecting Customer and the Company shall cooperate with each other to restore the Facility and the Company EPS, respectively, to their normal operating state as soon as reasonably practicable following the cessation or remedy of the event that led to the temporary disconnection.

7.2 Permanent Disconnection

The Interconnecting Customer has the right to permanently disconnect at any time with 30 days written notice to the Company.

The Company may permanently disconnect the Facility upon termination of the Interconnection Service Agreement in accordance with the terms thereof.

8.0 Metering, Monitoring, and Communication

This Section sets forth the rules, procedures and requirements for metering, monitoring and communication between the Facility and the Company EPS where the Facility exports power or is net metered or is otherwise subject to NEPOOL requirements. Interconnecting Customer will be responsible for reasonable and necessary costs incurred by Company for the purchase, installation, operation, maintenance, testing, repair and replacement of metering and data acquisition equipment specified in the Attachments to the Interconnection Service Agreement. Interconnecting Customer's metering (and data acquisition, as required) equipment shall conform to rules and applicable operating requirements.

8.1 Metering, Related Equipment and Billing Options

The Company shall furnish, read and maintain all revenue metering equipment. The Interconnecting Customer shall furnish and maintain all meter mounting equipment such as or including meter sockets, test switches, conduits, and enclosures. The Company shall own the meter and the Interconnecting Customer shall pay to the Company a monthly charge to cover taxes, meter maintenance, incremental reading and billing costs, the allowable return on the invoice cost of the meter and the depreciation of the meter. These charges are set

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forth in the applicable Company tariff(s), as amended from time to time. Metering requirements and associated charges for Qualifying Facilities and On-Site Generating Facilities are set forth in the applicable Company tariff(s), as amended from time to time. All metering must meet the requirements contained in the Company's Electric Service Bulletin (ESB) 750, section 7; Metering, as may be amended from time to time.

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The Interconnecting Customer shall provide suitable space within the Facility for installation of the metering, and communication equipment at no cost to the Company.

All metering equipment installed pursuant to this Interconnection Tariff and associated with the Facility shall be routinely tested by the Company at Interconnecting Customer's expense, in accordance with applicable Company and/or ISO-NE criteria, rules and standards. If, at any time, any metering equipment is found to be inaccurate by a margin greater than that allowed under applicable criteria, rules and standards, the Company shall cause such metering equipment to be made accurate or replaced. The cost to repair or replace the meter shall be borne by the Customer. Meter readings for the period of inaccuracy shall be adjusted so far as the same can be reasonably ascertained; provided, however, no adjustment prior to the beginning of the preceding month shall be made except by agreement of the Parties. Each Party shall comply with any reasonable request of the other concerning the sealing of meters, the presence of a representative of the other Party when the seals are broken and the tests are made, and other matters affecting the accuracy of the measurement of electricity delivered from the Facility. If either Party believes that there has been a meter failure or stoppage, it shall immediately notify the other.

If the Metering Point and the Point of Receipt or Point of Delivery are not at the same location, the metering equipment shall record delivery of electricity in a manner that accounts for losses occurring between the Metering Point and the Point of Receipt or Point of Delivery. Losses between the Metering Point and Point of Receipt will be reflected pursuant to applicable Company, NEPOOL or ISO-NE criteria, rules or standards.

The type of metering equipment to be installed at a Facility is dependent on the (size) of the Facility and how and if the Facility plans to export power or net meter. For those that will export power or net meter, the available equipment options and associated requirements are:

Provision, the Facilities will be equipped with net metering in which metering equivalent to or replicating that of a standard distribution class meter is installed and is enabled to run in a normal direction during periods of net consumption and to run backwards during periods of net generator output. All metering equipment included in this type of installation, including self-contained meters and instrument transformers and meters, shall meet ANSI C12.1 Metering Accuracy Standards and ANSI C57.13 accuracy requirements for instrument transformers. For net-metered units over 25 kW, remote access will be required. The Interconnecting Customer shall be responsible for providing all necessary leased or wireless telephone lines and any necessary protection for leased lines to remotely access these meters. In the event a wireless meter is requested, and the request is granted by the Company, the Interconnecting Customer will be

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responsible for all wireless communication charges paid on behalf of the Interconnecting Customer by the Company.

- Renewable Energy Growth Program For Facilities enrolled in the Company's Renewable Energy Growth Program, metering shall be installed in parallel with the existing metering on-site (if applicable)
- Renewable Energy Growth Program and other non-net metered units under 25 kW; Bi-directional, non-interval meter without remote access in which a distribution class meter with import and export capabilities is installed. Import capabilities will record energy flows from the Company to the Facility during periods when the Facility is a net consumer of energy (the export function will record no flow during these periods) and an export capabilities will record energy flows from the Facility to the Company during periods when the Facility is a net producer of energy (the import function will record no flow during these periods). The import and export capabilities will record total flows only and will not record flows during specific intervals. All metering equipment included in this type of installation, including self-contained meters and instrument transformers and meters, shall meet ANSI C12.1 Metering Accuracy Standards and ANSI C57.13 accuracy requirements for instrument transformers.
- Renewable Energy Growth Program and other non-net metered units over 25 kW; Bi-directional, interval meter with remote access – in which a distribution class meter with import and export capabilities is installed. Import capabilities will record energy flows from the Company to the Facility during periods when the Facility is a net consumer of energy (the export function will record no flow during these periods) and an export capabilities will record energy flows from the Facility to the Company during periods when the Facility is a net producer of energy (the import function will record no flow during these periods). The import and export capabilities will record total flows as well as flows during hourly intervals. In addition, the meters will be equipped with remote access capability that may include communication to the extent required by applicable NEPOOL standards. Any existing Company meter on the Interconnecting Customer's premise will be changed to an interval meter and will require remote access as outlined below. All metering equipment included in this type of installation shall meet the requirements contained in NEPOOL Operating Procedure No. 18, "Metering and Telemetering Criteria" and the Company's Electric Service Bulletin (ESB) 750, section 7; Metering, as may be amended from time to time. Copies of both publications are available from the Company upon request. The Interconnecting Customer shall be responsible for providing all necessary leased or wired telephone lines and any necessary protection for leased lines to remotely access these meters. In the event that an Interconnecting Customer requests a wireless meter and the Company grants the request, the Interconnecting Customer will be responsible for all wireless communication charges paid on behalf of the Interconnecting Customer by the Company. In addition, the Interconnecting Customer is responsible for all communication required by ISO-NE, or by ISO-NE's designated satellite. The Interconnecting Customer shall maintain all communication and transducer equipment at the Facility in accordance with ISO-NE criteria, rules and standards.

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Units over 5 MW: Facilities which are greater than or equal to 5 MW, or in aggregate with other Facilities on the same feeder and near the point of interconnection are 5 MW, or greater are governed by NEPOOL Operating Procedures No. 14 and No. 18 and are required to provide communication equipment and to supply accurate and reliable information to system operators regarding metered values for MW, MVAR, volt, amp, frequency, breaker status and all other information deemed necessary by ISO-NE and the NEPOOL Satellite (REMVEC) as well as a 24/7 contact name and phone number for operational instructions from the ISO-NE.

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8.2 Additional Monitoring and Communication Requirements

As the amount of distributed generation on the Company EPS grows significantly, additional monitoring and communication may be required by the Commission pursuant to a future proceeding.

9.0 Dispute Resolution Process

The Dispute Resolution Process is a multi-stage process described below, beginning with negotiation, then mediation, followed by non-binding arbitration and then adjudication. All days in this Section are calendar days.

9.1 Good Faith Negotiation

- a. One party submits a request in writing to the other party for initiation of Step 9.1 of the Dispute Resolution Process. The Parties will elevate the dispute to a Vice President or senior management with sufficient authority to make a decision.
- b. If, after 8 days, the dispute is still not resolved, one or both Parties may initiate Section 9.2.a

9.2 Mediation/Non-binding Arbitration

- a. One party to the dispute requests dispute resolution assistance by, submitting a written request to the Commission, with a summary of the situation. The party requesting dispute resolution ("Requesting Party") assistance shall provide a copy of the written request to the other party at the same time that it submits its written request to the Commission. Within ten business days after the written request to the Commission for dispute resolution, the other party shall also submit a summary of the situation to the Commission and provide a copy of the summary to the Requesting Party.
- b. Within 17 business days of the submission of a petition to convene the Dispute
 Resolution Process, the Parties will meet with Commission staff at a date and time set
 by the Commission staff. During that meeting, the Commission staff may assist the
 parties in attempting to resolve the outstanding differences, or shall provide two
 options to the parties: (1) to engage with the Commission staff to attempt to resolve
 the dispute or make recommendations to the Commission or (2) to proceed with

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formal mediation/arbitration as set forth in 9.2.c-l.

In the event the parties choose to engage the assistance of the Commission staff, the Commission staff will set a reasonable schedule for the submission of any discovery issued by the Commission staff and for a subsequent meeting with the parties. The matter will proceed as directed by the Commission staff and any party may request to move to the formal third-party mediation/arbitration set forth in 9.2.c-l prior to the final meeting conducted by the Commission staff. Any information obtained by the Commission staff maintained by the Commission Clerk, shall be made available to the third-party mediator/arbitrator. Within ninety (90) business days of the convening of the Dispute Resolution Process, the Commission staff shall submit a summary of the dispute resolution process with the resolution, if one was agreed to, or recommendations to the Commission for its review under Rule 9.3.

- c. If the differences are not resolved in Step 9.2.b, the Commission will provide a list of qualified neutrals and manage the selection of individual neutrals for the case. The Commission will use a list of pre-qualified neutrals maintained at the Commission and, the Parties will select a mutually agreeable mediator pursuant to a reverse-strikeout process¹ or another mutually-agreeable method. If either party requests a technical expert, both a mediator and a technical expert will be selected, and the technical expert will be selected using the same strike out process or another mutually-agreeable method as that used for selection of the mediator.
- d. Parties will complete the neutral selection process with the Commission within seven days. This timetable will only be possible if the Commission has, during the initial 14 days, identified mediators and technical experts who have the time available to assist the Parties in a timely manner.
- e. The Commission will arrange for the selected mediator to contact Parties.
- f. The Parties will contract with neutrals for services, splitting the fees 50/50.
- g. The mediator begins by discussing the case with the disputing Parties to assess the scope of issues and understand the Parties' positions and interests. The mediator and Parties will establish a schedule for completion of mediation within 30 days. Ten days after the 30-day time period begins, the Commission will issue a public notice of the proceeding and will schedule a pre-hearing conference for Section 9.3. The mediator will assist the Parties in developing a scope of work for the technical expert if one is needed. The mediator will also assist the Parties in estimating the Dispute Resolution Process costs and addressing any concerns about those costs.
- h. Mediation meeting or meetings are held.
- i. If the Parties reach agreement, the Dispute Resolution Process ends here.

¹ A "reverse strike out process" involves each party eliminating the least desirable mediator until one is left standing.

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Deleted: hearing officer or other Commission staff person within 14 days to convene the Dispute Resolution Process. During that meeting, the Commission staff person may assist the Parties in attempting to resolve outstanding differences

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- If the Parties do not reach a mediated agreement, the neutral(s) will issue a brief recommended solution or decision.
- k. If the Parties accept the neutral's recommendation, the Dispute Resolution Process ends here.
- 1. If one or both Parties do not accept the neutral recommendation and there is still no agreement, the dispute proceeds to Step 9.3.

9.3 Commission Adjudicatory Hearing

The goal of this Step is an adjudicatory hearing at the Commission, with witnesses, evidence, etc. that results in a binding precedential decision, appealable to the Rhode Island Supreme Court.

- a. In the event a party does not accept the recommendation in Step 9.2, it may request, in writing, a Commission adjudication.
- b. The Commission holds a pre-hearing conference for which notice has been provided in accordance with Section 9.2.g. The Parties, to the extent desirable and feasible, exchange information and establish an expedited schedule during the pre-hearing conference.
- c. The Commission and the Parties engage in pre-hearing discovery, as needed in the specific case, building on the information developed in Step 9.2, including the mediator's recommendation.
- d. The Commission conducts a hearing.
- e. The Parties file briefs, if one or both desire to do so or the Commission requests they do so. The Parties and the Commission will complete Step 9.3.b through 9.3.e in 90 days.
- f. The Commission issues its order within 20 days. If it is unable to do so, it will notify the Parties and provide a revised decision date.

The Commission will appoint a hearing officer or other Commission staff person familiar with the DG interconnection process in Rhode Island to oversee the selection of private neutrals and otherwise serve as a resource for DG cases.

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10.0 Insurance Requirements

10.1 General Liability

- In connection with Interconnecting Customer's performance of its duties and 10.1(a)obligations under the Interconnection Service Agreement, Interconnecting Customer shall maintain, during the term of the Agreement, general liability insurance with a combined single limit of not less than:
 - i. Five million dollars (\$5,000,000) for each occurrence and in the aggregate if the Gross Nameplate Rating of Interconnecting Customer's Facility is greater than five (5) MW;
 - ii. Two million dollars (\$2,000,000) for each occurrence and five million dollars (\$5,000,000) in the aggregate if the Gross Nameplate Rating of Interconnecting Customer's Facility is greater than one (1) MW and less than or equal to five (5) MW;
 - iii. One million dollars (\$1,000,000) for each occurrence and in the aggregate if the Gross Nameplate Rating of Interconnecting Customer's Facility is greater than one hundred (100) kW and less than or equal to one (1) MW;
 - iv. Five hundred thousand dollars (\$500,000) for each occurrence and in the aggregate if the Gross Nameplate Rating of Interconnecting Customer's Facility is greater than ten (10) kW and less than or equal to one hundred (100) kW, except for eligible net metered customers which are exempt from insurance requirements.
- 10.1(b)No insurance is required for a Facility with a Gross Nameplate Rating less than or equal to 50 kW that is eligible for net metering. However, the Company recommends that the Interconnecting Customer obtain adequate insurance to cover potential liabilities.
- 10.1(c) Any combination of General Liability and Umbrella/Excess Liability policy limits can be used to satisfy the limit requirements stated above.
- 10.1(d)The general liability insurance required to be purchased in this Section may be purchased for the direct benefit of the Company and shall respond to third party claims asserted against the Company (hereinafter known as "Owners Protective Liability"). Should this option be chosen, the requirement of Section 10.2(a) will not apply but the Owners Protective Liability policy will be purchased for the direct benefit of the Company and the Company will be designated as the primary and "Named Insured" under the policy.
- 10.1(e) The insurance hereunder is intended to provide coverage for the Company solely with respect to claims made by third parties against the Company.

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10.1(f) In the event the State of Rhode Island and the Providence Plantations, or any other governmental subdivision thereof subject to the claims limits of R.I.G.L. Chapter 9-31 (hereinafter referred to as the "Governmental Entity") is the Interconnecting Customer, any insurance maintained by the Governmental Entity shall contain an endorsement that strictly prohibits the applicable insurance company from interposing the claims limits of R.I.G.L. Chapter 9-31 as a defense in either the adjustment of any claim, or in the defense of any lawsuit directly asserted against the insurer by the Company. Nothing herein is intended to constitute a waiver or indication of an intent to waive the protections of R.I.G.L. Chapter 9-31 by the Governmental Entity. The Interconnecting Customer must provide proof of their eligibility to be classified a Governmental Entity.

10.2 Insurer Requirements and Endorsements

All required insurance shall be carried by reputable insurers qualified to underwrite insurance in Rhode Island having a Best Rating of "A-". In addition, all insurance shall, (a) include Company as an additional insured; (b) contain a severability of interest clause or crossliability clause; (c) provide that Company shall not incur liability to the insurance carrier for payment of premium for such insurance; and (d) provide for thirty (30) calendar days' written notice to Company prior to cancellation, termination, or material change of such – insurance; provided that to the extent the Interconnecting Customer is satisfying the requirements of subpart (e) of this paragraph by means of a presently existing insurance policy, the Interconnecting Customer shall only be required to make good faith efforts to satisfy that requirement and will assume the responsibility for notifying the Company as required above.

10.3 Evidence of Insurance

Evidence of the insurance required shall state that coverage provided is primary and is not in excess to or contributing with any insurance or self-insurance maintained by Interconnecting Customer.

The Interconnecting Customer is responsible for providing the Company with evidence of insurance in compliance with this Interconnection Tariff on an annual basis.

Prior to the Company commencing work on System Modifications, and annually thereafter, the Interconnecting Customer shall have its insurer furnish to the Company certificates of insurance evidencing the insurance coverage required above. The Interconnecting Customer shall notify and send to the Company a certificate of insurance for any policy written on a "claims-made" basis. The Interconnecting Customer will maintain extended reporting coverage for three years on all policies written on a "claims-made" basis.

In the event that an Owners Protective Liability policy is provided, the original policy shall be provided to the Company.

Table 3 - Dispute Resolution timeframes

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Dispute Resolution	Timeline
Step 9.1: Good faith negotiation – party submits a request in writing to the other party	-
Parties elevate dispute to VP or Sr. Mgt for decision	Within 8 days
If dispute not resolved to step 9.2	_
Step 9.2: Submit a written request to the Commission	-
Meet with Commission hearing officer to convene dispute resolution process	Within 17_days
If needed, neutral third party and technical expert are selected	Within 7 days
Public notice of mediation process	Within 10 days of the 30 days listed below
Mediation process	Within 30 days
If still not resolved proceed to step 9.3	-
Step 9.3: Adjudicatory hearing	Within 90 days
Commission issues order	Within 20 days

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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 Tariff 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 ≤ 10 kW single-phase or ≤ 25 kW three-phase, or (2) connecting to spot network electric power systems with power ratings of ≤15 kW single-phase. Please attach any documentation provided by the inverter manufacturer concerning the UL 1741 listing provided by the manufacturer.

Mail all material to: COMPANY SPECIFIC ADDRESS

The Simplified Process is as follows:

- 1. Application process:
 - Interconnecting Customer submits a Simplified Application filled out properly and completely.
 - The electric utility (Company) acknowledges to the Interconnecting Customer receipt of the application within 3 business days of receipt.
 - 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
- 2. Company verifies Facility equipment can be interconnected safely and reliably.
- If approved, the Company signs the application approval line and sends to the Interconnecting Customer. In certain rare circumstances, the Company may require the Interconnecting Customer to pay for minor 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 minor System Modifications. If the Interconnecting Customer approves, the Company performs the System Modifications. Then, the Company signs the application approval line and sends to the Interconnecting Customer.
- 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.
- The Interconnecting Customer returns the Certificate of Completion to the Company.
- Following receipt of the Certificate of Completion, the Company may inspect the Facility for compliance with standards by arranging for a Witness Test. The Interconnecting Customer has no right to operate in parallel (interconnect) until a Witness Test has been performed or has been previously waived on the Application Form. The Company is obligated to complete this Witness Test within 10 business days of the receipt of the Certificate of Completion. If the Company does not inspect in 10 business days or by mutual agreement of the Parties, the Witness Test is deemed waived.
- 7. 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. Include the percentage ownership (if any) by any Company or public utility holding company, or by any entity owned by

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.

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<u>UL 1741 Listed?</u> The standard UL 1741, "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. This term "Listed" is then marked on the equipment and supporting documentation

Eligibility Requirements for the Renewable Energy Growth (REG) Program

Introduction

To be eligible, a Small-Scale Solar Project must meet certain requirements, and National Grid will review the interconnection application to determine whether the project meets these requirements. Projects that do not meet eligibility requirements will be disqualified from the REG Program.

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Eligible Applicant

An Applicant must be in good standing with regard to obligations to National Grid, Such obligations include but are not limited to being current with amounts due on the electric service account(s) or fulfilling the requirements of an approved payment plan.

Eligible Facilities

To be eligible as a Small-Scale Solar Project, a project must: (1) be a Small-Scale Solar renewable energy resource; (2) have a nameplate capacity equal to or less than 25 kW; and (3) interconnect with the Company's electric power system. A Small-Scale Solar Project's nameplate capacity is the total rated power output of all solar panels measured in DC. Before applying to the RE Growth Program, a project must not be: (1) already operating; or (2) under construction, except for preparatory site work that is less than twenty-five percent (25%) of the estimated total project cost.

Residential

To be eligible as a Residential Small-Scale Solar Project, a project must be located at a National Grid customer's residence where the residential customer receives electric service under the Company's residential rate schedules as provided for in the tariffs govering the REG Program, as may be amended from time to time

Deleted: either Basic Residential Rate A-16 or Low Income Rate A-60. The project must be eligible for net metering

Non-Residential

Any Small-Scale Solar Project that is not eligible to enroll as a Residential Small-Scale Solar Project will be enrolled as a Non-Residential Small-Scale Solar Project. Note that these projects may also be configured for net metering but are not required to do so. These projects will receive retail delivery service pursuant to the Company's small and medium rate schedules as provided for in the tariffs governing the REG Program, as may be amended from time to time

Deleted: Small C&I Rate C-06 tariff or General C&I Rate G-02 tariff

Prohibition on Project Segmentation

Project segmentation occurs when one distributed generation project is divided or segregated into multiple projects on a single parcel or on contiguous parcels in order to qualify under smaller size project classifications.

Under the REG Program, project segmentation is not allowed. However, a project developer may designate an additional distributed generation unit or portion of a unit on the same parcel or on a contiguous parcel for net metering or for other means of participating in electricity markets, as long as any such unit or portion of such unit: (1) is not receiving Performance-Based Incentives through the REG Program; (2) is segregated electrically; and (3) is separately metered.

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A distributed generation project is not considered segmented if: (1) at least twenty-four (24) months elapse between the operating start-date of the distributed generation project and the start of construction of new

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distributed generation unit(s) on the same parcel or a contiguous parcel; or (2) the distributed generation projects use different renewable resources.

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The Net Metering Provision can be found at: ¶

¶

http://www.nationalgridus.com/non_html
/RI_DG_Net_Metering_Tariff.pdf¶

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Exhibit A - Simplified Process Interconnection Application and Service Agreement

Contact Information (PRINT):			
Customer or Contact Name:	Company Name:		
Mailing Address:			
City:	State:	Zip Code:	
Telephone (Primary):	Telephone (Secondary):		
Fax:	E-Mail (s):		
Alternative Contact Information (e.g., system	n installation contractor or coordinatir	ng company, if appropriate):	
Contact Name:	Company Name:		
Mailing Address:			
City:	State:	Zip Code:	
Telephone (Primary):		_	
Fax:	E-Mail (s):		
Electrical Contractor Contact Information (i	f appropriate):		
Name (Print):			
Mailing Address:	Tele	phone:	
City:			
State:			
Zip Code:			
Ownership Information (include % ownersh	ip by any electric utility):		
Facility Information:			
Address of Facility:			
City:	State:	Zip Code:	
Electric Service Company: National Grid			
Work Request Number (For Upgrades or No			
Inverter Manufacturer:			
Nameplate Rating:(kW)	(kVA) (AC Volts) S	ingle or Three Phase	
System Design Capacity:(kW)			
Prime Mover: Photovoltaic Reciprocation	ng Engine 🗌 Fuel Cell 🔲 Turbi	ne Other	
Energy Source: Solar 🗌 Wind 🔲 Hydro	☐ Diesel ☐ Natural Gas ☐ Fuel O	il Other	
IEEE 1547.1 (UL 1741) Listed? Yes \(\square\) No	Generating system already exists of	on current account? Yes \[\] No \[\]	
Customer Program Elections:			Deleted: Payment for excess electricity
A customer may make a program election for	or a project on this interconnection app	dication. National Grid will review	
the customer's responses provided here and requirements.	other information to determine whether	er the project meets these	
Applying for Net Metering? Yes No			
Applying to Renewable Energy Growth Pro	gram? Yes \(\sum \) No \(\sum \) (If yes, must be	configured for Net Metering and the	Deleted: g
Customer electric account(s) must be in good		<	Deleted: ,
Is the Customer receiving electric service as	Basic Residential Rate A-16 or Low I	income Rate A-60? Yes No No	Deleted: if Yes, d
Does the Customer have site control for the	Project? Yes No		Deleteu. II 1 cs, u
Is the Project already operating? Yes No			Deleted: Net Metering Yes No No
Is the Project more than 25% constructed?	Yes No (If yes, not eligible for F	Renewable Energy Growth Program)	

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Is the Project segmented (divided or split into multipl qualify under smaller size project classifications)? Program		
Estimated Install Date:	Estimated In-Service Date	e:
<u>Customer Signature</u>		
I hereby certify that, to the best of my knowledge, all agree to the Terms and Conditions on the following p		ed in this application is true and I
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 National Grid use on	ıly)	
Installation of the Facility is approved contingent upon to any system modifications, if required (Are system		
National Grid Signature:	Title:	Date:
Application ID number:	Company waives inspec	ction/Witness Test? Yes No

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The Narragansett Electric Company Standards for Connecting Distributed Generation

Terms and Conditions for Simplified Process Interconnections

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- 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.
- 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 Interconnection 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.
- Safe Operations and Maintenance. The Interconnecting Customer shall be fully responsible to operate, maintain, and repair the Facility
- Access. The Company shall have access to the disconnect switch (if required) of the Facility at all times.
- Disconnection. The Company may temporarily disconnect the Facility to facilitate planned or emergency Company work.
- Metering and Billing. All Facilities approved under this Agreement qualify for net metering, as approved by the Commission 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.
- **Indemnification**. Except as precluded by the laws of the State of Rhode Island and the Providence Plantations, 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.
- 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.
 - By Interconnecting Customer. The Interconnecting Customer may terminate this Agreement by providing written notice to Company
 - 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 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.

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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 Customer-Owned Generating Facilities, as approved by the Rhode Island Public Utilities Commission 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).

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ATTACHMENT 2

Certificate of Completion for Simplified Process Interconnections

<u>Installation Information</u> :		Check if owner-installed	
Customer or Company Name (prin	nt):		
Mailing Address:			
City:	State:	Zip Code:	
Telephone (Primary):	Telephone (Secondar	y):	
Fax:	E-Mail (s):		
• `	om above):		
		Zip Code:	
		er	
=			
		Zip Code:	
		y):	
License number:			
Date of approval to install Facility Application ID number:	granted by the Company:		
Inspection:			
The system has been installed and	inspected in compliance with the loca	al Building/Electrical Code of :	
	(City/Town)		
Signed/Date (Local/Federal Electric Inspector, or attach signed electric	ical Wiring al inspection):		
Wiring Inspector Name (printed):			
Telephone Number:			
Email Address:			
As a condition of interconnection y signed electrical permit to Distribu	you are required to send/fax a copy of ted.Generation@nationalgrid.com.	this form along with a copy of the	eted: us.ngrid

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Exhibit B - Generating Facility Expedited/Standard Pre-Application Report Form

				-
Interconnecting Customer	Name (print):			
Contact Person:				
Mailing Address:				
City:	State	<u>:</u>	Zip Code:	
Telephone (Daytime):	(Eve	ning):		
Facsimile Number:	E-Ma	il Address:		
Alternative Contact Inform	nation (e.g., system insta	llation contractor	or coordinating comp	<u>pany)</u>
Name (print):				
Contact Person:				
Mailing Address:				
City:	State	<u>:</u>	Zip Code:	
Telephone (Daytime):	(Eve	ning):		
Facsimile Number:	E-Ma	nil Address:		
and GPS coordin 2) Generation Type: 3) Size (AC kW):				_
, <u> </u>				
4) Single or Three Phase	e Generator Configuration	n:		
5) Stand-alone (no on-si <u>Yes</u> <u>No</u>	te load, not including par —	rasitic load)?		
6) If there is existing ser	rvice at the Proposed Faci	ility site, provide:	<u>-</u>	
a)	Interconnecting Custom	er Account Num	<u>ber</u>	
b)	site minimum and maxi	imum (if availabl	e) current or proposed	d electric loads
	i) Minimum kW:			
	ii) Maximum kW:			
7) <u>Is new service or serv</u>	vice upgrade needed?			

DISCLAIMER: Be aware that this Pre-Application Report is simply a snapshot in time and is non-binding. System conditions can and do change frequently.

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The Narragansett Electric Company Standards for Connecting Distributed Generation

Exhibit C - Expedited/Standard Process Interconnection Application

Instructions (please do not submit this page)

General Information

If you wish to submit an application to interconnect your generating facility using the Expedited or Standard Process, please fill out all pages of the attached application form (not including this page of instructions). Once complete, please sign, attach the supporting documentation requested and enclose an application fee of \$3/kW (minimum of \$300 and maximum of \$2,500).

<u>Contact Information</u>: You must provide as a minimum the contact information of the legal applicant. If another party is responsible for interfacing with the Company (utility), you may optionally provide their contact information as well.

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

Generating Facility Information

<u>Account and Meter Numbers</u>: 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.

<u>UL 1741 Listed</u>? The standard UL 1741, "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. This "listing" is then marked on the equipment and supporting documentation.

<u>DEM Air Pollution Control Permit Needed?</u> A generating facility may be considered a point source of emissions of concern by the Rhode Island Department of Environmental Management (RIDEM). Therefore, when submitting this application, please indicate whether your generating facility will require an Air Pollution Control Permit. You must answer these questions, however, your specific answers will not affect whether your application is deemed complete. Please contact the RIDEM to determine whether the generating technology planned for your facility qualifies for a RIDEM waiver or requires a permit.

Jurisdictional Statement: The Company is a public utility subject to the concurrent jurisdiction of the Federal Energy Regulatory Commission (FERC) and the Rhode Island Public Utilities Commission (RIPUC). Pursuant to the Federal Power Act, FERC has jurisdiction over the transmission and sale of electric energy at wholesale in interstate commerce, including jurisdiction over certain generator interconnections. All of the Company's transmission facilities (including distribution facilities and certain generator interconnection facilities serving a FERC-jurisdictional transmission function) are: (1) subject to FERC jurisdiction; (2) under the operating authority of the regional transmission operator ISO New England Inc. (ISO-NE); and (3) subject to the terms and conditions of the ISO-NE Transmission, Markets and Services Tariff (ISO-NE Tariff).

As the result of this application for interconnection service, the Company may determine that the interconnection is under FERC jurisdiction. If this is the case, the Company may direct the Interconnecting Customer to submit an Interconnection Request to ISO-NE under the ISO-NE Tariff or, if an Interconnection Service Agreement (ISA) is executed between the Company and the Interconnecting Customer under this RIPUC Tariff, the Company may file a copy of the ISA with FERC.

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Generating Facility Expedited/Standard Process Interconnection Application

Contact Information	Date Prepared	:
Legal Name and address of Interconnecting Cu		
Customer or Company Name:	Contact Name:	
Mailing Address:		
City:	State:	Zip Code:
Telephone (Primary):	Telephone (Secondary	r):
Fax:	E-Mail (s):	
Alternative Contact Information (e.g. system in	stallation contractor	or coordinating company)
Name:		
Mailing Address:		
City:	State:	Zip Code:
Telephone (Primary):	Telephone (Secondary	y):
Fax:	E-Mail (s):	
Ownership (include $\%$ ownership by any electric	utility):	
Generating Facility Information		
Address of Facility (if different from above):		
City:	State:	Zip Code:
Electric Service Company: National Grid Accord	unt Number:	Meter Number:
Work Request Number (For Upgrades or New Ser	vice):	
Type of Generating Unit: Synchronous Inde	uction Inverter	
Manufacturer:	Model	:
Nameplate Rating:(kW)(kVAr) _		
Prime Mover: Fuel Cell Recip Engine Turb	oine Photo Voltaic	Other Specify:
Energy Source: Solar Wind Hydro Die	sel 🔲 Natural Gas 🔲	Fuel Oil Other Specify:
For Solar PV provide system DCC-STC rating: _	(kW) Request	ting Feasibility Study? Yes No
Please fill out required fields in the form below for the type of system specified above, the application will not be considered complete unless all required fields are filled out accurately		
Need an air quality permit from RIDEM? Yes	No Not Sure	
If "yes", have you applied for it? Yes No		
For inverter based units – is the unit IEEE 1547.1	(UL 1741) Listed? Yes	s□ No□
Generating system already exists on current accou	nt? Yes No	
Planning to Export Power? Yes No	A Cogeneration Fa	cility? Yes No
Will Customer generate more that 95% of their ho	urly consumption on a	n annual basis? Yes No
Anticipated Export Power Purchaser:		
Purpose of Generating Facility:		
PLEASE READ THE QUESTIONS BEL	OW CAREFULLY	Y. YOU MUST NOTIFY THE
COMPANY AS EARLY AS POSSIBLE		

THIS SECTION WOULD BE DIFFERENT AT ANY POINT IN THE FUTURE.

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1. Exporting Electricity?
Please check only a single response below.
This Facility will never export any electricity to the electric grid.
<u>OR</u>
This Facility will export electricity to the electric grid under the net metering tariff, and Schedule B is attached here.
<u>OR</u>
☐ This Facility will export electricity to the electric grid and plans to enroll in the Renewable Growth tariff. If so, does the Facility have site control? ☐ Yes ☐ No
<u>OR</u>
This Facility will export electricity to the electric grid under the net metering tariff, and Schedule B is attached here, and plans to enroll in the Renewable Growth tariff.
If so, does the Facility have site control? Yes No
<u>OR</u>
I do not yet know whether this Facility will export electricity to the electric grid.
2. Net Annual Exporter of Electricity?
Please check only a single response below.
This Facility will never export more electricity than it will consume over the course of one year.
<u>OR</u>
☐ This Facility will export more electricity than it will consume over the course of one year.
<u>OR</u>
☐ I do not yet know whether this Facility will export more electricity than it will consume over the course of one year.
3. Selling Electricity?
Please check only a single response below.
All of the electricity produced by this Facility will be sold to a customer who will seek net metering credits from the Company and use the credits on the customer's electricity accounts.
<u>OR</u>
☐ All of the electricity produced by this Facility plans to be sold through the Renewble Energy Growth tariff. If so, does the Facility have site control? ☐ Yes ☐ No
<u>OR</u>
All of the electricity from this Facility will be sold directly into the regional wholesale electricity market. (For more information, please see: www.iso-ne.com/regulatory/tariff/sect_3/index.html.)
4. Seeking Capacity Revenue?
Please check only a single response below.
This Facility will never seek capacity credit from the FCM.
<u>OR</u>
This Facility will seek capacity credit from the ISO-New England Forward Capacity Market (FCM). (For more information, please see: www.iso-ne.com/markets/othrmkts_data/fcm/index.html.)
<u>OR</u>
I do not yet know whether this Facility will seek capacity credit from the FCM.

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Qualifying Facility Ce	ertification?			
Please check only a singl	e response below.			
This Facility will not	seek QF status from FERC.			
<u>OR</u>				
(FERC) as a Qualifying I	ady sought or will seek certific Facility (QF). (For more infor /electric/gen-info/qual-fac.asp	mation, please see:	Energy Regulatory Commission	
<u>OR</u>				
I do not yet know who	ether this Facility will seek Ql	F status.		
Est. Install Date:	Est. In-Service Date:	Agreement Need	ed By:	
Est. Install Date:	Est. In-Service Date:	Agreeme	nt Needed By:	Purchase/Sale Net Purchase/Sa
Application Process				Net Metering Other
	e best of my knowledge, all o	of the information provide	ded in this application is true:	Specify: ¶
			Date:	
National Grid Signature:		Title:	Date:	
Generating Facility	Technical Detail		Date:	
		hat are using III Listed	equipment (i.e., primarily solar,	Deleted: currently
	ity is using a UL Listed inverte			Deleted: currently
Equipment Type	Manufacturer	Model	National Standard	
1 1 71				
1.				
6				
	ting Units in Facility?			
Generator Unit Power Fa	ctor Rating:			
Max Adjustable Leading	Power Factor? N	Max Adjustable Lagging	g Power Factor?	
Generator Characteristic	Data (for all inverter-based m			
Max Design Fault Contri	bution Current?	Instan	taneous or RMS?	
Harmonics Characteristic	es:			
Start-up power requireme	ents:			
Generator Characteristic	Data (for all rotating machine	<u>es)</u>		
Rotating Frequency:	(rpm) N	eutral Grounding Resist	or (If Applicable):	
Additional Information for	or Synchronous Generating U	<u>nits</u>		
Synchronous Reactance	Yd: (PII) Ti	rancient Reactance X'd	· (PIT)	

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Subtransient Reactance, X"d:(PU)	Neg Sequence Reactance, X ₂ :	(PU)
Zero Sequence Reactance, Xo:(PU)	kVA Base:	
Field Voltage:(Volts)	Field Current:	(Amps)
Additional information for Induction Generating U	<u>nits</u>	
Rotor Resistance, Rr:	Stator Resistance, Rs:	
Rotor Reactance, Xr:	Stator Reactance, Xs:	
Magnetizing Reactance, Xm:	Short Circuit Reactance, Xd":	
Exciting Current:	Temperature Rise:	
Frame Size:		
Total Rotating Inertia, H:	Per Unit on kVA Base:	
Reactive Power Required In Vars (No Load):		
Reactive Power Required In Vars (Full Load):		
Additional information for Induction Generating U	nits that are started by motoring	
Motoring Power:	Design Letter:	
Additional information needed for Wind turbines:		
Manufacturer's voltage flicker data (please provide	source documents):	
Estimated generation data (kW output) in ten (10) s the proposed site location (please provide source do		r estimated wind data at

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Interconnectio	n Equipment	Technical Detail	<u>Date</u> :	
Will a transformer on	r a grounding bank	be used between the generator and	the point of interconnection?_Yes \ No \	
Will the transformer	be provided by Int	erconnecting Customer?	Yes 🔲 No 🔲	
		Interconnecting Customer-Owned ransformer or grounding bank):	Fransformers including if a grounding bank is	
Nameplate Rating:	(k	VA)	Single or Three Phase	
Transformer Impeda	nnce:(%	o) on akVA Base		
Transformer Primary	<u>y</u> :(V	olts) Delta 🗌 Wye 🔲 Wye G	rounded 🔲 Other 🔲	Deleted: If Three Phase:¶
Transformer Second	lary:(V	olts) Delta 🗌 Wye 🔲 Wye G	rounded Other	
Transformer Fuse Da	ata (if applicable, f	or Interconnecting Customer-Owne	d Fuse):	
(Attach copy of fu	use manufacturer's	Minimum Melt & Total Clearing Ti	me-Current Curves)	
Manufacturer:			Type:	
Size:			Speed:	
Will a Neutral groun	nding reactor be ins	talled? Yes No N, if yes, ple	ase provide the following:	
Thermal current ratio	ng:(amps)			
Continous current ra	ating:(amps)	, at a rated time of(second	<u>ls)</u>	
Impedance: ((ohms)			
Rated volage:	<u>(kV)</u>			
(If microprocessor-c List of Functions and	/	pints for the protective equipment or	software:	
Setpoint 1	Function	Minimum	Maximum	
1.				
2.				
3.				
4.				
5.				
6.				
(If discrete compone	ents)			-
` 1	,	ver-current Coordination Curves)		
Manufaatumam				
Manufacturer.	Type:	,	Proposed Setting:	
		Style/Catalog No.:	Proposed Setting:	
Manufacturer:	Type:	Style/Catalog No.:Style/Catalog No.:	Proposed Setting:	
Manufacturer:	Type: Type:	Style/Catalog No.: Style/Catalog No.: Style/Catalog No.:	Proposed Setting:	
Manufacturer: Manufacturer:	Type: Type: Type:	Style/Catalog No.: Style/Catalog No.: Style/Catalog No.: Style/Catalog No.:	Proposed Setting:Proposed Setting:	

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Current Transformer D	ata (if applicable):		
(Enclose copy of Manu	ıfacturer's Excitation	n & Ratio Correction Curves)	
Manufacturer:	Type:	Accuracy Class:	Proposed Ratio Connection:
Manufacturer:	Type:	Accuracy Class:	Proposed Ratio Connection:
Potential Transformer	Data (if applicable):		
Manufacturer:	Type:	Accuracy Class:	Proposed Ratio Connection:
Manufacturer:	Type:	Accuracy Class:	Proposed Ratio Connection:

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Ocheral rechilical Detail	General	Technical	Detail
---------------------------	---------	------------------	--------

Date:		

E-mail a copy of the following to Distributed.Generation@nationalgrid.com

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- Site electrical One-Line Diagram (relay settings should appear on one-line when applicable) showing
 the configuration of all generating facility equipment, current and potential circuits, and protection and
 control schemes with a stamp from a professional engineer (PE) registered in the state where the
 facility is located.
- Site plan that indicates the precise physical location of the <u>following: a)</u> proposed generating facility, <u>b)</u> external utility disconnect, <u>c) all</u> utility meters, <u>d) location of proposed access to the facility, and, <u>e)</u> any public ways in the area (refer to the sample site plan on the National Grid website). <u>If any of these locations change, provide an updated site plan prior to energizing the Facility</u></u>

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- Three-line diagram for non UL-1741 certified generator or multiple inverter projects, stamped by a Rhode Island Electrical Professional Engineer.
- Links or PDF copies of the specification sheets for the generator, protection equipment, transformer (s) and any other pieces of equipment deemed appropriate.

Mail the Interconnection Application (IA) fees check and first page of the signed IA to:

National Grid Attn: Distributed Generation 40 Sylvan Rd (E3.571A) Waltham, MA 02451-1120

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ATTACHMENT 2

Certificate of Completion for Expedited/Standard Process Interconnections

Mailing Address:		-	
		Zip Code:	
):	
Fax:	E-Mail (s):	<u> </u>	
Address of Facility (if different from	above):		
City:	State:	Zip Code:	
Account Number:	Meter Num	ber:	
Electrical Contractor's Company or N	Name (print):		
Electrician Name, if Company:			
Mailing Address:			
City:	State:	Zip Code:	
Telephone (Primary):	Telephone (Secondary	r):	
Fax:	E-Mail (s):		
Date of approval to install Facility gr			
Application ID number:			
Inspection:			
Inspection: The system has been installed and ins	spected in compliance with the local	Building/Electrical Code of:	
<u> </u>	spected in compliance with the local	Building/Electrical Code of:	
The system has been installed and ins (City/Town) Signed/Date (Local/Federal Electrica	l Wiring	Building/Electrical Code of:	
The system has been installed and ins (City/Town) Signed/Date (Local/Federal Electrical inspector, or attach signed electrical in	l Wiring nspection):		
The system has been installed and ins (City/Town) Signed/Date (Local/Federal Electrical inspector, or attach signed electrical inspector Name (printed):	l Wiring nspection):		

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Exhibit D - Supplemental Review Agreement

This Agreement, dated, is entered into by and between("Interconnecting Customer") and the Company, for the purpose of setting forth the terms, conditions and costs for conducting a Supplemental Review relative to the Expedited Process as defined in Section 1.0 and outlined in Section 3.0 of the Interconnection Tariff. This Supplemental Review pertains to Application Number (the Interconnecting Customer's application ID number).
If the Supplemental Review determines the requirements for processing the application through the Expedited Process including any System Modifications, then the modification requirements, reasoning, and costs for these modifications will be identified and included in an executable Interconnection Service Agreement sent to the Interconnecting Customer for execution. If the Supplemental Review does not determine the requirements, it will include a proposed Impact Study Agreement as part of the Standard Process which will include an estimate of the cost of the study.
The Interconnecting Customer agrees to provide, in a timely and complete manner, all additional information and technical data necessary for the Company to conduct the Supplemental Review not already provided in the Interconnecting Customer's application.
All work pertaining to the Supplemental Review that is the subject of this Agreement will be approved and coordinated only through designated and authorized representatives of the Company and the Interconnecting Customer. Each party shall inform the other in writing of its designated and authorized representative, if different than what is in the application.
The Company shall perform the Supplemental Review for a fee not to exceed \$1,250. The Company anticipates that the Supplemental Review will cost \$ No work will be performed until payment is received.
Plane in disease and a second of this Assessment has been a second of the second of th
Please indicate your acceptance of this Agreement by signing below.
Name:
Title:
Date:
Signature:

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Exhibit 1	E, – Feas	sibility	Study	Agreement
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This Agreement dated	, is entered into by and	l between	("Renewable
Interconnecting Customer') a	and the Company, for the purpos	se of setting forth the terms,	conditions and costs
for conducting an Feasibility	Study relative to the Standard F	Process as defined in Section	1.0 and outlined in
Section 3.0 of the Interconne	ction Tariff. This Feasibility S	study pertains to Application	Number (the
Interconnecting Customer's a	application ID number).		

- The Renewable Interconnecting Customer agrees to provide, in a timely and complete manner, all
 additional information and technical data necessary for the Company to conduct the Feasibility Study not
 already provided in the Interconnecting Customer's application.
- 2. All work pertaining to the Feasibility Study that is the subject of this Agreement will be approved and coordinated only through designated and authorized representatives of the Company and the Renewable Interconnecting Customer. Each party shall inform the other in writing of its designated and authorized representative, if different than what is in the application.
- 3. Where there are other potentially Affected Systems, and no single Party is in a position to prepare an Feasibility Study covering all potentially Affected Systems, the Company will coordinate but not be responsible for the timing of any additional studies required to determine the impact of the interconnection request on other potentially Affected Systems. The Renewable Interconnecting Customer will be directly responsible to the potentially Affected System operators for all costs of any additional studies required to evaluate the impact of the interconnection on the potentially Affected Systems. The Company will not proceed with this Feasibility Study without the Renewable Interconnecting Customer's consent to have the other studies conducted.
- 4. Feasibility Study, together with any additional studies contemplated in Paragraph 3, shall form the basis for the Renewable Interconnecting Customer's proposed use of the Company EPS and shall be furthermore utilized in obtaining necessary third-party approvals of any required facilities and requested distribution services. The Renewable Interconnecting Customer understands and acknowledges that any use of study results by the Interconnecting Customer or its agents, whether in preliminary or final form, prior to NEPOOL 18.4 approval, should such approval be required, is completely at the Renewable Interconnecting Customer's risk.
- 5. The Feasibility Study fee of \$____, as per table 2 in Section 3.5 of the interconnection tariff is due in full prior to the execution of the Feasibility Study.

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- 6. In the event this Agreement is terminated for any reason, the Company shall refund to the Renewable Interconnecting Customer the portion of the above fee or any subsequent payment to the Company by the Renewable Interconnecting Customer that the Company did not expend or commit in performing its obligations under this Agreement. Payments for work performed shall not be subject to refunding except in accordance with Paragraph 10 below.
- Nothing in this Agreement shall be interpreted to give the Renewable Interconnecting Customer immediate rights to wheel over or interconnect with the Company's EPS.
- 8. Except as precluded by the laws of the State of Rhode Island and the Providence Plantations, Renewable 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.

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- 9. Notwithstanding the foregoing, the Renewable Interconnecting Customer hereby waives recourse against the Company and its Affiliates for, and releases the Company and its Affiliates from, any and all liabilities arising from or attributable to incomplete, inaccurate, or otherwise faulty information supplied by the Renewable Interconnecting Customer. Any construction estimate provide as part of the Feasibility Study cannot be relied upon the by applicant for the purposes of holding the Company liable or responsible for its accuracy as long as the Company has provided the estimate in good faith.
- 10. If either party materially breaches any of its covenants hereunder, the other party may terminate this Agreement by serving notice of same on the other party to this Agreement.
- 11. This agreement shall be construed and governed in accordance with the laws of the State of Rhode Island and the Providence Plantations.
- 12. All amendments to this Agreement shall be in written form executed by both Parties.
- 13. The terms and conditions of this Agreement shall be binding on the successors and assigns of either Party.
- 14. This Agreement will remain in effect for a period of up to two years from its effective date.
- 15. This Agreement may be terminated under the following conditions.
 - a) The Parties agree in writing to terminate the Agreement.
 - b) The Renewable Interconnecting Customer may terminate this agreement at any time by providing written notice to Company.
 - c) The Company may terminate this Agreement if the Renewable Interconnecting Customer either:

 (1) has not paid the fee or,
 (2) has not responded to requests for further information in accordance with provisions in the Interconnection Tariff.

Renewable Interconnecting Custom	ner: Narragan	Narragansett Electric Company d/b/a National Gric			
Name:	Name:				
Title:	Title:				
Date:	Date:				
Signature:	Signature:				

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Exhibit F – Impact Study or ISRDG Agreeme	nt
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	Exhibit F – Impact Study or ISRDG Agreement	/
("Interc for cond Section	reement, dated, is entered into by and betweenonnecting Customer') and the Company, for the purpose of setting forth the terms, conditions and costs lucting an Impact Study relative to the Standard Process as defined in Section 1.0 and outlined in 3.0 of the Interconnection Tariff. This Impact Study pertains to Application Number (the meeting Customer's application ID number).	
1.	The Interconnecting Customer agrees to provide, in a timely and complete manner, all additional information and technical data necessary for the Company to conduct the Impact Study not already provided in the Interconnecting Customer's application.	
2.	All work pertaining to the Impact Study that is the subject of this Agreement will be approved and coordinated only through designated and authorized representatives of the Company and the Interconnecting Customer. Each party shall inform the other in writing of its designated and authorized representative, if different than what is in the application.	
3.	Where there are other potentially Affected Systems, and no single Party is in a position to prepare an Impact Study covering all potentially Affected Systems, the Company will coordinate but not be responsible for the timing of any additional studies required to determine the impact of the interconnection request on other potentially Affected Systems. The Interconnecting Customer will be directly responsible to the potentially Affected System operators for all costs of any additional studies required to evaluate the impact of the interconnection on the potentially Affected Systems. The Company will not proceed with this Impact Study without the Interconnecting Customer's consent to have the other studies conducted.	
4.	If the Company determines, in accordance with Good Utility Practice, that the System Modifications to the Company EPS are not substantial, the Impact Study will determine the scope and cost of the modifications and will, upon Interconnecting Customer's request, provide an executable ISA. If the Company determines, in accordance with Good Utility Practice, that the System Modifications to the Company EPS are substantial, and the Company is unable to provide an executable ISA, the Impact Study will produce an estimate for the known System Modification costs (within ±25%) and a Detailed Study Agreement with its estimated cost.	Deleted: m
5.	Impact Study, together with any additional studies contemplated in Paragraph 3, shall form the basis for the Interconnecting Customer's proposed use of the Company EPS and shall be furthermore utilized in obtaining necessary third-party approvals of any required facilities and requested distribution services. The Interconnecting Customer understands and acknowledges that any use of study results by the Interconnecting Customer or its agents, whether in preliminary or final form, prior to ISO Reliability Committee approval, should such approval be required, is completely at the Interconnecting Customer's risk.	Deleted: NEPOOL 18.4 approval
6.	The Impact Study fee of \$ (except as noted below) is due in full prior to the execution of the Impact Study. For a Renewable Interconnecting Customer the ISRDG Study fee is as per Table 2 in Section 3.5 of the interconnection tariff.	Deleted: XX_

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The Narragansett Electric Company Standards for Connecting Distributed Generation

7. Final Accounting. If the Interconnecting Customer does not execute an ISA, the Company within ninety (90) business days after completion of the study and all Company work orders have been closed, shall provide Interconnecting Customer with a final accounting report of any difference between (a) Interconnecting Customer's cost responsibility under this agreement, and (b) Interconnecting Customer's previous aggregate payments to the Company for such study. To the extent that Interconnecting Customer's cost responsibility in this agreement exceedsInterconnecting Customer's previous aggregate payments, the Company shall invoice Interconnecting Customer and Interconnecting Customer shall make payment to the Company within forty-five (45) days. To the extent that Interconnecting Customer's previous aggregate payments exceed Interconnecting Customer's cost responsibility under this agreement, the Company shall refund to Interconnecting Customer an amount equal to the difference within forty-five (45) days of the provision of such final accounting report.

- 8. In the event this Agreement is terminated for any reason, the Company shall refund to the Interconnecting Customer the portion of the above fee or any subsequent payment to the Company by the Interconnecting Customer that the Company did not expend or commit in performing its obligations under this Agreement. Payments for work performed shall not be subject to refunding except in accordance with Paragraph 11 below.
- 9. Nothing in this Agreement shall be interpreted to give the Interconnecting Customer immediate rights to wheel over or interconnect with the Company's EPS.
- 10. Except as precluded by the laws of the State of Rhode Island and the Providence Plantations, 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.

Notwithstanding the foregoing, the Interconnecting Customer hereby waives recourse against the Company and its Affiliates for, and releases the Company and its Affiliates from, any and all liabilities arising from or attributable to incomplete, inaccurate, or otherwise faulty information supplied by the Interconnecting Customer. Moreover, with respect to an ISRDG provided to a Renewable Interconnecting Customer, the Company may not be held liable or responsible if the actual costs exceed the estimate as long as the estimate was provided in good faith and the interconnection was implemented prudently the Company.

- 11. If either party materially breaches any of its covenants hereunder, the other party may terminate this Agreement by serving notice of same on the other party to this Agreement.
- 12. This agreement shall be construed and governed in accordance with the laws of the State of Rhode Island and the Providence Plantations.
- 13. All amendments to this Agreement shall be in written form executed by both Parties.
- 14. The terms and conditions of this Agreement shall be binding on the successors and assigns of either Party.

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- 15. This Agreement will remain in effect for a period of up to two years from its effective date.
- 16. This Agreement may be terminated under the following conditions.
 - a) The Parties agree in writing to terminate the Agreement.
 - b) The Interconnecting Customer may terminate this agreement at any time by providing written notice to Company.
 - c) The Company may terminate this Agreement if the Interconnecting Customer either: (1) has not paid the fee or, (2) has not responded to requests for further information in accordance with provisions in the Interconnection Tariff.

Interconnecting Customer:	Narragansett Electric Company d/b/a National	Narragansett Electric Company d/b/a National Grid			
Name:	Name:				
Title:	Title:	-			
Date:	Date:				
Signature:	Signature:				

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The Narragansett Electric Company Standards for Connecting Distributed Generation

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Exhibit (_ Detailed	Study	Agreement

This Agreement, dated _______, is entered into by and between ______("Interconnecting Customer") and the Company, for the purpose of setting forth the terms, conditions and costs for conducting an Detailed Study relative to the Standard process as defined in Section 1 and outlined in Section 3 of the Interconnection Tariff. This Detailed Study pertains to Application Number _____ (the Interconnecting Customer's application ID number).

- The Interconnecting Customer agrees to provide, in a timely and complete manner, all additional
 information and technical data necessary for the Company to conduct the Detailed Study not already
 provided in the Interconnecting Customer's application.
- 2. All work pertaining to the Detailed Study that is the subject of this Agreement will be approved and coordinated only through designated and authorized representatives of the Company and the Interconnecting Customer. Each party shall inform the other in writing of its designated and authorized representative, if different than what is in the application.
- 3. Where there are other Affected Systems identified by the Impact Studies, and no single Party is in a position to prepare a Detailed Study covering all Affected Systems, the Company will coordinate but not be responsible for the timing of any additional studies required to determine the System Modifications of the interconnection request on other Affected Systems. The Interconnecting Customer will be directly responsible to the Affected System operators for all costs of any additional studies required to evaluate the impact of the interconnection on the Affected Systems. The Company will not proceed with this Detailed Study without the Interconnecting Customer's consent to have the other studies conducted.
- The Company will provide an estimate of the costs of the System Modifications required as a result of the Detailed Study.
- 5. The Detailed Study, together with any additional studies contemplated in Paragraph 3, shall form the basis for the Interconnecting Customer's proposed use of the Company EPS and shall be furthermore utilized in obtaining necessary third-party approvals of any required facilities and requested distribution services. The Interconnecting Customer understands and acknowledges that any use of study results by the Interconnecting Customer or its agents, whether in preliminary or final form, prior to NEPOOL 18.4 approval, should such approval be required, is completely at the Interconnecting Customer's risk.
- 6. The Detailed Study fee of \$\(\) (except as noted below) is due in full prior to the execution of the Detailed Study. If the anticipated cost exceeds \$25,000, the Interconnecting Customer is eligible for a payment plan, including a payment and construction schedule with milestones for both parties. At the request of the Interconnecting Customer, the Company will break the costs into phases in which the costs will be collected prior to Company expenditures for each phase of the study. The payment plan will be attached as an exhibit to the Detailed Study Agreement.
- 7. The Company will, in writing, advise the Interconnecting Customer in advance of any cost increase for work to be performed up to a total amount of increase of 10% only. All costs that exceed the 10% increase cap will be borne solely by the Company. Any such changes to the Company's costs for the work shall be subject to the Interconnecting Customer's consent. The Interconnecting Customer shall, within thirty (30) days of the Company's notice of increase, authorize such increase and make payment in the amount up to the 10% increase cap, or the Company will suspend the work and the corresponding agreement will terminate.

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Final Accounting. If the Interconnecting Customer does not execute an ISA, the Company within ninety (90) business days after completion of the study and all Company work orders have been closed, shall provide Interconnecting Customer with a final accounting report of any difference between (a) Interconnecting Customer's cost responsibility under this agreement, and (b) Interconnecting Customer's previous aggregate payments to the Company for such study. To the extent that Interconnecting Customer's cost responsibility in this agreement exceeds Interconnecting Customer's previous aggregate payments, the Company shall invoice Interconnecting Customer and Interconnecting Customer shall make payment to the Company within forty-five (45) days. To the extent that Interconnecting Customer's previous aggregate payments exceed Interconnecting Customer's cost responsibility under this agreement, the Company shall refund to Interconnecting Customer an amount equal to the difference within forty-five (45) days of the provision of such final accounting report.

- 8. In the event this Agreement is terminated for any reason, the Company shall refund to the Interconnecting Customer the portion of the above fee or any subsequent payment to the Company by the Interconnecting Customer that the Company did not expend or commit in performing its obligations under this Agreement. Payments for work performed shall not be subject to refunding except in accordance with Paragraph 9 below.
- Nothing in this Agreement shall be interpreted to give the Interconnecting Customer immediate rights to wheel over or interconnect with the Company's EPS.
- 10. Except as precluded by the laws of the State of Rhode Island and the Providence Plantations, 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.

Notwithstanding the foregoing, the Interconnecting Customer hereby waives recourse against the Company and its Affiliates for, and releases the Company and its Affiliates from, any and all liabilities arising from or attributable to information supplied by the Interconnecting Customer.

- 11. This agreement shall be construed and governed in accordance with the laws of the State of Rhode Island and the Providence Plantations.
- 12. All amendments to this Agreement shall be in written form executed by both Parties.
- The terms and conditions of this Agreement shall be binding on the successors and assigns of either Party.
- 14. This Agreement will remain in effect for a period of up to two years from its effective date.

Deleted: Upon request by the Interconnecting Customer, the Company within ninety (90) business days after completion of the construction and installation of the System Modifications described in an attached exhibit to the Interconnection Service Agreement, shall provide Interconnecting Customer with a final accounting report of any difference between (a) Interconnecting Customer's cost responsibility under the Interconnection Service Agreement for the actual cost of such System Modifications, and (b) Interconnecting Customer's previous aggregate payments to the Company for such System Modifications. To the extent that Interconnecting Customer's cost responsibility in the Interconnection Service Agreement exceeds Interconnecting Customer's previous aggregate payments, the Company shall invoice Interconnecting Customer and Interconnecting Customer shall make payment to the Company within fortyfive (45) days. To the extent that Interconnecting Customer's previous aggregate payments exceed Interconnecting Customer's cost responsibility under this agreement, the Company shall refund to Interconnecting Customer an amount equal to the difference within forty-five (45) days of the provision of such final accounting report.

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- 15. This Agreement may be terminated under the following conditions.
 - a) The Parties agree in writing to terminate the Agreement.
 - b) The Interconnecting Customer may terminate this agreement at any time by providing written notice to Company.
 - c) The Company may terminate this Agreement if the Interconnecting Customer either: (1) has not paid the fee or, (2) has not responded to requests for further information in accordance with provisions in the Interconnection Tariff.

<u>Interconnecting Customer</u> :	Narragansett Electric Company d/b/a National Grid		
Name:	Name:		
Title:	Title:		
Date:	Date:		
Signature:	Signature:		

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Exhibit H – Interconnection Service Agreement

1.	Parties. This Interconnection Service Agreement ("Agreement"), dated as of ("Effective
	Date")is entered into, by and between, a Rhode Island corporation with a
	principal place of business at (hereinafter referred to as the "Company"), and
	, a corporation with a principal place of business at
	("Interconnecting Customer"). (The Company and Interconnecting Customer are collectively referred to as
	the "Parties"). Terms used herein without definition shall have the meanings set forth in Section 1.2 of the
	Interconnection Tariff which is hereby incorporated by reference.
•	Pagia Undanstandings This Agraement provides for parallel eneration of an Interconnecting Customer's

2. Basic Understandings. This Agreement provides for parallel operation of an Interconnecting Customer's Facility with the Company EPS to be installed and operated by the Interconnecting Customer at (Facility name, address, and end-use customer account number, if applicable). A description of the Facility is located in Attachment 2. If the Interconnecting Customer is not the Customer, an Agreement between the Company and the Company's Retail Customer, attached as Exhibit G to the Interconnection Tariff, must be signed and included as an Attachment to this Agreement.

The Interconnecting Customer has the right to operate its Facility in parallel with the Company EPS immediately upon successful completion of the protective relays testing as witnessed by the Company and receipt of written notice from the Company that interconnection with the Company EPS is authorized ("Authorization Date").

3. Term. This Agreement shall become effective as of the Effective Date. The Agreement shall continue in full force and effect until terminated pursuant to Section 4 of this Agreement.

4. Termination.

- **4.1** This Agreement may be terminated under the following conditions.
 - **4.1.1** The Parties agree in writing to terminate the Agreement.
 - **4.1.2** The Interconnecting Customer may terminate this agreement at any time by providing sixty (60) days written notice to Company.
 - **4.1.3** The Company may terminate this Agreement upon the occurrence of an Event of Default by the Interconnecting Customer as provided in Section 18 of this Agreement.
 - **4.1.4** The Company may terminate this Agreement if the Interconnecting Customer either: (1) fails to energize the Facility within 12 months of the Authorization Date; or, (2) permanently abandons the Facility. Failure to operate the Facility for any consecutive 12 month period after the Authorization Date shall constitute permanent abandonment unless otherwise agreed to in writing between the Parties.
 - **4.1.5** The Company, upon 30 days notice, may terminate this Agreement if there are any changes in Commission regulations or state law that have a material adverse effect on the Company's ability to perform its obligations under the terms of this Agreement.
- **4.2 Survival of Obligations**. The termination of this Agreement shall not relieve either Party of its liabilities and obligations, owed or continuing at the time of termination. Sections 5, 10, 12, 13, and 25 as it relates to disputes pending or for wrongful termination of this Agreement shall survive the termination of this Agreement.
- **4.3 Related Agreements.** Any agreement attached to and incorporated into this Agreement shall terminate concurrently with this Agreement unless the Parties have agreed otherwise in writing.

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The Narragansett Electric Company Standards for Connecting Distributed Generation

- 5. General Payment Terms. The Interconnecting Customer shall be responsible for the System Modification costs and payment terms identified in Attachment 3 of this Agreement and any approved cost increases pursuant to the terms of the Interconnection Tariff. If the system modifications exceed \$25,000, Attachment 3 will include a payment and construction schedule for both parties.
 - 5.1 Cost or Fee Adjustment Procedures. The Company will, in writing, advise the Interconnecting Customer in advance of any expected cost increase for work to be performed up to a total amount of increase of 10% only. Any such changes to the Company's costs for the work shall be subject to the Interconnecting Customer's consent. The Interconnecting Customer shall, within thirty (30) days of the Company's notice of increase, authorize such increase and make payment in the amount up to the 10% increase cap, or the Company will suspend the work and the corresponding agreement will terminate.

5.2 Final Accounting. The Company within ninety (90) business days after completion of the construction and installation of the System Modifications described in an attached exhibit to the Interconnection Service Agreement and all Company work orders have been closed, shall provide Interconnecting Customer with a final accounting report of any difference between (a) Interconnecting Customer's cost responsibility under the Interconnection Service Agreement for the actual cost of such System Modifications, and (b) Interconnecting Customer's previous aggregate payments to the Company for such System Modifications. To the extent that Interconnecting Customer's cost responsibility in the Interconnection Service Agreement exceeds Interconnecting Customer's previous aggregate payments, the Company shall invoice Interconnecting Customer and Interconnecting Customer shall make payment to the Company within 45 days. To the extent that Interconnecting Customer's previous aggregate payments exceed Interconnecting Customer's cost responsibility under this agreement, the Company shall refund to Interconnecting Customer an amount equal to the difference within forty five (45) days of the provision of such final accounting report.

6. Operating Requirements

- 6.1 General Operating Requirements. Interconnecting Customer shall operate and maintain the Facility in accordance with the applicable manufacturer's recommended maintenance schedule, in compliance with all aspects of the Company's Interconnection Tariff. The Interconnecting Customer will continue to comply with all applicable laws and requirements after interconnection has occurred. In the event the Company has reason to believe that the Interconnecting Customer's installation may be the source of problems on the Company EPS, the Company has the right to install monitoring equipment at a mutually agreed upon location to determine the source of the problems. If the Facility is determined to be the source of the problems, the Company may require disconnection as outlined in Section 7.0 of the Interconnection Tariff. The cost of this testing will be borne by the Company unless the Company demonstrates that the problem or problems are caused by the Facility or if the test was performed at the request of the Interconnecting Customer.
- 6.2 No Adverse Effects; Non-interference. Company shall notify Interconnecting Customer if there is evidence that the operation of the Facility could cause disruption or deterioration of service to other Customers served from the same Company EPS or if operation of the Facility could cause damage to Company EPS or Affected Systems. The deterioration of service could be, but is not limited to, harmonic injection in excess of IEEE Standard 1547-2003, as well as voltage fluctuations caused by large step changes in loading at the Facility. Each Party will notify the other of any emergency or hazardous condition or occurrence with its equipment or facilities which could affect safe operation of the other Party's equipment or facilities. Each Party shall use reasonable efforts to provide the other Party with advance notice of such conditions.

The Company will operate the EPS in such a manner so as to not unreasonably interfere with the operation of the Facility. The Interconnecting Customer will protect itself from normal disturbances propagating through the Company EPS, and such normal disturbances shall not constitute unreasonable interference unless the Company has deviated from Good Utility Practice. Examples of such disturbances could be, but are not limited to, single-phasing events, voltage sags from remote faults on the Company EPS, and outages on the Company EPS. If the Interconnecting Customer demonstrates that the Company EPS is adversely

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affecting the operation of the Facility and if the adverse effect is a result of a Company deviation from Good Utility Practice, the Company shall take appropriate action to eliminate the adverse effect.

- **6.3 Safe Operations and Maintenance**. Each Party shall operate, maintain, repair, and inspect, and shall be fully responsible for, the facility or facilities that it now or hereafter may own unless otherwise specified in this Agreement. Each Party shall be responsible for the maintenance, repair and condition of its respective lines and appurtenances on their respective side of the PCC. The Company and the Interconnecting Customer shall each provide equipment on its respective side of the PCC that adequately protects the Company's EPS, personnel, and other persons from damage and injury.
- **6.4 Access**. The Company shall have access to the disconnect switch of the Facility at all times.
 - **6.4.1 Company and Interconnecting Customer Representatives**. Each Party shall provide and update as necessary the telephone number that can be used at all times to allow either Party to report an emergency.
 - **6.4.2 Company Right to Access Company-Owned Facilities and Equipment.** If necessary for the purposes of the Interconnection Tariff and in the manner it describes, the Interconnecting Customer shall allow the Company access to the Company's equipment and the Company's facilities located on the Interconnecting Customer's or Customer's premises. To the extent that the Interconnecting Customer does not own all or any part of the property on which the Company is required to locate its equipment or facilities to serve the Interconnecting Customer under the Interconnection Tariff, the Interconnecting Customer shall secure and provide in favor of the Company the necessary rights to obtain access to such equipment or facilities, including easements if the circumstances so require.
 - **6.4.3 Right to Review Information**. The Company shall have the right to review and obtain copies of Interconnecting Customer's operations and maintenance records, logs, or other information such as, unit availability, maintenance outages, circuit breaker operation requiring manual reset, relay targets and unusual events pertaining to Interconnecting Customer's Facility or its interconnection with the Company EPS. This information will be treated as customer-confidential and only used for the purposes of meeting the requirements of Section 4.2.4 in the Interconnection Tariff.

7. Disconnection

7.1 Temporary Disconnection

- **7.1.1 Emergency Conditions.** Company shall have the right to immediately and temporarily disconnect the Facility without prior notification in cases where, in the reasonable judgment of Company, continuance of such service to Interconnecting Customer is imminently likely to (i) endanger persons or damage property or (ii) cause a material adverse effect on the integrity or security of, or damage to, Company EPS or to the electric systems of others to which the Company EPS is directly connected. Company shall notify Interconnecting Customer promptly of the emergency condition. Interconnecting Customer shall notify Company promptly when it becomes aware of an emergency condition that affects the Facility that may reasonably be expected to affect the Company EPS. To the extent information is known, the notification shall describe the emergency condition, the extent of the damage or deficiency, or the expected effect on the operation of both Parties' facilities and operations, its anticipated duration and the necessary corrective action.
- **7.1.2 Routine Maintenance, Construction and Repair**. Company shall have the right to disconnect the Facility from the Company EPS when necessary for routine maintenance, construction and repairs on the Company EPS. The Company shall provide the Interconnecting Customer with a minimum of seven calendar days planned outage notification consistent with the Company's planned outage notification protocols. If the Interconnecting Customer requests disconnection by the Company at the PCC, the Interconnecting Customer will provide a minimum of seven days notice to the Company. Any additional notification requirements will be specified by mutual agreement in the Interconnection Service Agreement. Company shall make an effort to schedule such curtailment or temporary disconnection with Interconnecting Customer.

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7.1.3 Forced Outages. During any forced outage, Company shall have the right to suspend interconnection service to effect immediate repairs on the Company EPS; provided, however, Company shall use reasonable efforts to provide the Interconnecting Customer with prior notice. Where circumstances do not permit such prior notice to Interconnecting Customer, Company may interrupt Interconnection Service and disconnect the Facility from the Company EPS without such notice.

- **7.1.4 Non-Emergency Adverse Operating Effects**. The Company may disconnect the Facility if the Facility is having an adverse operating effect on the Company EPS or other customers that is not an emergency, and the Interconnecting Customer fails to correct such adverse operating effect after written notice has been provided and a maximum of 45 days to correct such adverse operating effect has elapsed.
- **7.1.5 Modification of the Facility**. Company shall notify Interconnecting Customer if there is evidence of a material modification to the Facility and shall have the right to immediately suspend interconnection service in cases where such material modification has been implemented without prior written authorization from the Company.
- **7.1.6 Re-connection**. Any curtailment, reduction or disconnection shall continue only for so long as reasonably necessary. The Interconnecting Customer and the Company shall cooperate with each other to restore the Facility and the Company EPS, respectively, to their normal operating state as soon as reasonably practicable following the cessation or remedy of the event that led to the temporary disconnection.
- **7.2 Permanent Disconnection**. The Interconnecting Customer has the right to permanently disconnect at any time with 30 days written notice to the Company.
 - **7.2.1** The Company may permanently disconnect the Facility upon termination of the Interconnection Service Agreement in accordance with the terms thereof.
- **8. Metering**. Metering of the output from the Facility shall be conducted pursuant to the terms of the Interconnection Tariff.
- 9. Assignment. Except as provided herein, Interconnecting Customer shall not voluntarily assign its rights or obligations, in whole or in part, under this Agreement without Company's written consent. Any assignment Interconnecting Customer purports to make without Company's written consent shall not be valid. Company shall not unreasonably withhold or delay its consent to Interconnecting Customer's assignment of this Agreement. Notwithstanding the above, Company's consent will not be required for any assignment made by Interconnecting Customer to an Affiliate or as collateral security in connection with a financing transaction. In all events, the Interconnecting Customer will not be relieved of its obligations under this Agreement unless, and until the assignee assumes in writing all obligations of this Agreement and notifies the Company of such assumption.
- 10. Confidentiality. Company shall maintain confidentiality of all Interconnecting Customer confidential and proprietary information except as otherwise required by applicable laws and regulations, the Interconnection Tariff, or as approved by the Interconnecting Customer in the Simplified or Expedited/Standard Application form or otherwise.
- 11. Insurance Requirements.
 - 11.1 General Liability.
 - 11.1(a) In connection with Interconnecting Customer's performance of its duties and obligations under the Interconnection Service Agreement, Interconnecting Customer shall maintain, during the term of the Agreement, general liability insurance with a combined single limit of not less than:

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- Five million dollars (\$5,000,000) for each occurrence and in the aggregate if the Gross Nameplate Rating of Interconnecting Customer's Facility is greater than five (5) MW.
- ii. Two million dollars (\$2,000,000) for each occurrence and five million dollars (\$5,000,000) in the aggregate if the Gross Nameplate Rating of Interconnecting Customer's Facility is greater than one (1) MW and less than or equal to five (5) MW;
- One million dollars (\$1,000,000) for each occurrence and in the aggregate if the Gross Nameplate Rating of Interconnecting Customer's Facility is greater than one hundred (100) kW and less than or equal to one (1) MW;
- iv. Five hundred thousand dollars (\$500,000) for each occurrence and in the aggregate if the Gross Nameplate Rating of Interconnecting Customer's Facility is greater than ten (10) kW and less than or equal to one hundred (100) kW, except for eligible net metered customers which are exempt from insurance requirements.
- 11.1(b) No insurance is required for a Facility with a Gross Nameplate Rating less than or equal to 50 kW that is eligible for net metering. However, the Company recommends that the Interconnecting Customer obtain adequate insurance to cover potential liabilities.
- 11.1(c) Any combination of General Liability and Umbrella/Excess Liability policy limits can be used to satisfy the limit requirements stated above.
- 11.1(d) The general liability insurance required to be purchased in this Section may be purchased for the direct benefit of the Company and shall respond to third party claims asserted against the Company (hereinafter known as "Owners Protective Liability"). Should this option be chosen, the requirement of Section 11.2(a) will not apply but the Owners Protective Liability policy will be purchased for the direct benefit of the Company and the Company will be designated as the primary and "Named Insured" under the policy.
- 11.1(e) The insurance hereunder is intended to provide coverage for the Company solely with respect to claims made by third parties against the Company.
- 11.1(f) In the event the State of Rhode Island and the Providence Plantations, or any other governmental subdivision thereof subject to the claims limits of R.I.G.L. Chapter 9-31 (hereinafter referred to as the "Governmental Entity") is the Interconnecting Customer, any insurance maintained by the Governmental Entity shall contain an endorsement that strictly prohibits the applicable insurance company from interposing the claims limits of R.I.G.L. Chapter 9-31 as a defense in either the adjustment of any claim, or in the defense of any lawsuit directly asserted against the insurer by the Company. Nothing herein is intended to constitute a waiver or indication of an intent to waive the protections of R.I.G.L. Chapter 9-31 by the Governmental Entity.
- 11.2 Insurer Requirements and Endorsements. All required insurance shall be carried by reputable insurers qualified to underwrite insurance in RI having a Best Rating of "A-". In addition, all insurance shall, (a) include Company as an additional insured; (b) contain a severability of interest clause or cross-liability clause; (c) provide that Company shall not incur liability to the insurance carrier for payment of premium for such insurance; and (d) provide for thirty (30) calendar days' written notice to Company prior to cancellation, termination, or material change of such insurance; provided that to the extent the Interconnecting Customer is satisfying the requirements of subpart (e) of this paragraph by means of a presently existing insurance policy, the Interconnecting Customer shall only be required to make good faith efforts to satisfy that requirement and will assume the responsibility for notifying the Company as required above.
- 11.3 Evidence of Insurance. Evidence of the insurance required shall state that coverage provided is primary and is not in excess to or contributing with any insurance or self-insurance maintained by Interconnecting Customer.

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The Interconnecting Customer is responsible for providing the Company with evidence of insurance in compliance with the Interconnection Tariff on an annual basis.

Prior to the Company commencing work on System Modifications and annually thereafter, the Interconnecting Customer shall have its insurer furnish to the Company certificates of insurance evidencing the insurance coverage required above. The Interconnecting Customer shall notify and send to the Company a certificate of insurance for any policy written on a "claims-made" basis. The Interconnecting Customer will maintain extended reporting coverage for three years on all policies written on a "claims-made" basis.

In the event that an Owners Protective Liability policy is provided, the original policy shall be provided to the Company.

11.4 All insurance certificates, statements of self insurance, endorsements, cancellations, terminations. alterations, and material changes of such insurance shall be issued, updated and submitted yearly to the following:

National Grid

Attention: Risk Management

300 Erie Blvd West Syracuse, NY 13202

- 12. Indemnification. Except as precluded by the laws of the State of Rhode Island and the Providence Plantations. 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.
- 13. Limitation of Liability. Each Party's liability to the other Party for any loss, cost, claim, injury, liability, or expense, including court costs and 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 or liability 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.
- 14. Amendments and Modifications. No amendment or modification of this Agreement shall be binding unless in writing and duly executed by both Parties.
- 15. Permits and Approvals. Interconnecting Customer shall obtain all environmental and other permits lawfully required by governmental authorities for the construction and operation of the Facility. Prior to the construction of System Modifications the interconnecting customer will notify the Company that it has initiated the permitting process. Prior to the commercial operation of the Facility the Customer will notify the Company that it has obtained all permits necessary. Upon request the Interconnecting Customer shall provide copies of one or more of the necessary permits to the Company.
- 16. Force Majeure. For purposes of this Agreement, "Force Majeure Event" means any event:
 - a. that is beyond the reasonable control of the affected Party; and
 - b. that the affected Party is unable to prevent or provide against by exercising commercially reasonable efforts, including the following events or circumstances, but only to the extent they satisfy the preceding requirements: acts of war or terrorism, public disorder, insurrection, or rebellion; floods, hurricanes, earthquakes, lighting, storms, and other natural calamities; explosions or fire; strikes, work stoppages, or

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labor disputes; embargoes; and sabotage. If a Force Majeure Event prevents a Party from fulfilling any obligations under this Agreement, such Party will promptly notify the other Party in writing, and will keep the other Party informed on a continuing basis of the scope and duration of the Force Majeure Event. The affected Party will specify in reasonable detail the circumstances of the Force Majeure Event, its expected duration, and the steps that the affected Party is taking to mitigate the effects of the event on its performance. The affected Party will be entitled to suspend or modify its performance of obligations under this Agreement, other than the obligation to make payments then due or becoming due under this Agreement, but only to the extent that the effect of the Force Majeure Event cannot be mitigated by the use of reasonable efforts. The affected Party will use reasonable efforts to resume its performance as soon as possible. In no event will the unavailability or inability to obtain funds constitute a Force Majeure Event.

17. Notices.

17.1 Any written notice, demand, or request required or authorized in connection with this Agreement ("Notice") shall be deemed properly given on the date actually delivered in person or five (5) business days after being sent by certified mail, e-mail or fax with confirmation of receipt and original follow-up by mail, or any nationally-recognized delivery service with proof of delivery, postage prepaid, to the person specified below:

If to Company:	National Grid Attention: Distributed Generation 40 Sylvan Road Waltham, MA 02451-1120 Phone:	
	E-mail: Distributed.Generation@nationalgrid.com	Deleted: us.ngrid
If to Interconnecting Customer:	Name:	
C	Address:	
	City:	
	Phone:	
	E-mail:	
y may change its address for Notice	es at any time by providing the other Party Notice of the change	

- 17.2 A Party may change its address for Notices at any time by providing the other Party Notice of the change in accordance with Section 17.1.
- 17.3 The Parties may also designate operating representatives to conduct the daily communications, which may be necessary or convenient for the administration of this Agreement. Such designations, including names, addresses, and phone numbers may be communicated or revised by one Party's Notice to the other.

18. Default and Remedies

- 18.1 Defaults. Any one of the following shall constitute "An Event of Default."
 - (i) One of the Parties shall fail to pay any undisputed bill for charges incurred under this Agreement or other amounts which one Party owes the other Party as and when due, and such failure shall continue for a period of thirty (30) days after written notice of nonpayment from the affected Party to the defaulting Party, or

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(ii) One of the Parties fails to comply with any other provision of this Agreement or breaches any representation or warranty in any material respect and fails to cure or remedy that default or breach within sixty (60) days after notice and written demand by the affected Party to cure the same or such longer period reasonably required to cure (not to exceed an additional 90 days unless otherwise mutually agreed upon), provided that the defaulting Party diligently continues to cure until such failure is fully cured.

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18.2 Remedies. Upon the occurrence of an Event of Default, the affected Party may at its option, in addition to any remedies available under any other provision herein, do any, or any combination, as appropriate, of the following:

- Continue to perform and enforce this Agreement;
- Recover damages from the defaulting Party except as limited by this Agreement;
- By written notice to the defaulting Party terminate this Agreement;
- Pursue any other remedies it may have under this Agreement or under applicable law or in equity.
- 19. Entire Agreement. This Agreement, including any attachments or appendices, is entered into pursuant to the Interconnection Tariff. Together the Agreement and the Interconnection Tariff represent the entire understanding between the Parties, their agents, and employees as to the subject matter of this Agreement. Each Party also represents that in entering into this Agreement, it has not relied on any promise, inducement, representation, warranty, agreement or other statement not set forth in this Agreement or in the Company's Interconnection Tariff.
- 20. Supercedence. In the event of a conflict between this Agreement, the Interconnection Tariff, or the terms of any other tariff, Exhibit or Attachment incorporated by reference, the terms of the Interconnection Tariff, as the same may be amended from time to time, shall control. In the event that the Company files a revised tariff related to interconnection for Commission approval after the effective date of this Agreement, the Company shall, not later than the date of such filing, notify the signatories of this Agreement and provide them a copy of said filing.
- 21. Governing Law. This Agreement shall be interpreted, governed, and construed under the laws of the State of Rhode Island and the Providence Plantations without giving effect to choice of law provisions that might apply to the law of a different jurisdiction.
- 22. Non-waiver. None of the provisions of this Agreement shall be considered waived by a Party unless such waiver is given in writing. The failure of a Party to insist in any one or more instances upon strict performance of any of the provisions of this Agreement or to take advantage of any of its rights hereunder shall not be construed as a waiver of any such provisions or the relinquishment of any such rights for the future, but the same shall continue and remain in full force and effect.
- **23.** Counterparts. This Agreement may be signed in counterparts.
- 24. No Third Party Beneficiaries. This Agreement is made solely for the benefit of the Parties hereto. Nothing in the Agreement shall be construed to create any rights in or duty to, or standard of care with respect to, or any liability to, any person not a party to this Agreement.
- 25. Dispute Resolution. Unless otherwise agreed by the Parties, all disputes arising under this Agreement shall be resolved pursuant to the Dispute Resolution Process set forth in the Interconnection Tariff.
- 26. Severability. If any clause, provision, or section of this Agreement is ruled invalid by any court of competent jurisdiction, the invalidity of such clause, provision, or section, shall not affect any of the remaining provisions herein.

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27. Signatures. IN WITNESS WHEREOF, the Parties hereto have caused two (2) originals of this Agreement to be executed under seal by their duly authorized representatives.

	Interconnecting Customer	Narragansett E	ett Electric Company d/b/a National Grid		
Name:	-	Name:			
Title:		Title:			
Date:		Date:			
Signature:		Signature:			
			C 1 'C T		

The following attachments would be developed and included as appropriate for each specific Interconnection Service Agreement:

Attachment 1: Description of Facilities, including demarcation of Point of Common Coupling

Attachment 2: Description of System Modifications

Attachment 3: Costs of System Modifications and Payment Terms

Attachment 4: Special Operating Requirements, if any

Attachment 5: Agreement between the Company and the Company's Retail Customer (to be signed by the Company's retail customer where DG installation and interconnection will be placed, when retail customer is not the owner and/or operator of the distributed generation facility -- see Exhibit GH of the Interconnection Tariff)

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Exhibit L – Agreement between the Company and the Company's Retail Customer

(Note: this Agreement is to be signed by the Company's retail customer where the distributed generation installation and interconnection will be placed, when the retail customer is not the owner and/or operator of the distributed generation facility.)

Agreement between the Company and the Company's Retail Customer ("Agreement"), dated as of 'Effective Date" of this Agreement) is entered into by and between a Rhode.
'Effective Date" of this Agreement) is entered into, by and between, a Rhode tion with a principal place of business at (hereinafter referred to as the "Company"), and
, a corporation with a principal place of business at ("Customer"). (The
Customer are collectively referred to as the "Parties"). Terms used herein without definition shall
ings set forth in Section 1.2 of the Interconnection Tariff, which is hereby incorporated by reference.
PE, PURPOSE, AND RELATED AGREEMENTS
Agreement, in conjunction with the Interconnection Service Agreement identified in Section 2.2, s the Interconnecting Customer (as identified in Section 2.3) to utilize Customer's electrical facilities erconnect and operate the Facility in Parallel with Company's EPS. The purpose of the Facility is to the Customer's electrical loads at the location identified in Section 2.1
MARY AND DESCRIPTION OF THE PARTIES AND LOCATION OF GENERATING FACILITY
The name and address used by Company to locate the Customer or electric service account where the Facility interconnects with Company's EPS is:
Attention: Address: City: Phone FAX: E-mail: Company Account Number:
The Facility shall be Interconnected with the Company's EPS pursuant to an Interconnection Service Agreement between Company and Interconnecting Customer, its successors or assigns ("Interconnecting Customer") dated ("Interconnection Service Agreement").
Interconnecting Customer's contact information:
Attention: Address: City: Phone E-mail:

3. CUSTOMER ACKNOWLEDGMENT AND OBLIGATIONS

3.1 Customer acknowledges that it has authorized the Facility to be installed and operated by Interconnecting Customer in accordance with Company's Interconnection Tariff in or adjacent to Customer's premises. Such Facility shall be used to serve all or a portion of Customer's electrical loads associated with the electric service provided by Company at the location identified in Section 2.1 above. Customer shall be solely responsible for the terms of any agreement between it and Interconnecting Customer.

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- 3.2 Customer shall be solely responsible for any charges incurred under Company's electric service tariffs, and any other regulations and laws governing the provision of electric services. Customer acknowledges that it has been made aware of the charges and conditions related to the operation of the Facility and that the performance or lack of performance of the Facility may affect the rates and charges billed by Company for the electric power delivered to Customer. Copies of such tariffs are available by request to Company or on the Company's web site.
- 3.3 Any amount to be paid, or refunded to, Company for the services received by Customer as a result of the Interconnecting Customer failing to operate the Facility in accordance with the terms of the representations and warranties made under the Interconnection Service Agreement shall be paid to Company by the Customer in accordance with Company's electric tariffs.
- 3.4 Customer shall provide access as necessary to the Customer's premises for Company personnel, contractors or agents to perform Company's duties under the Interconnection Tariff. The Company shall have access to the disconnect switch of the Facility at all times.

4. TERMS AND TERMINATION

- 4.1 This Agreement shall become effective as of the date referenced in the preamble. The Agreement shall continue in full force and effect until the earliest date that one of the following events occurs:
 - (a) The Parties agree in writing to terminate the Agreement.
 - (b) At 12:01 A.M. on the day following the date the Customer's electric service account through which the Generating Facility is interconnected to Company's EPS is closed or terminated.
 - (c) At 12:01 A.M. on the 31st day following the date the Interconnection Service Agreement is terminated.
 - (d) At 12:01 A.M. on the 61st day after Company provides written Notice pursuant to Section 6 below to the Customer that Customer is not in compliance with the terms of this Agreement.

5. LIMITATION OF LIABILITY

- 5.1 Each Party's liability to the other Party for any loss, cost, claim, injury, liability, or expense, including court costs and 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 or liability 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.
- 5.2 Company shall not be liable to Customer in any manner, whether in tort or contract or under any other theory, for loss or damages of any kind sustained by Customer resulting from existence of, operation of, or lack of operation of the Facility, or termination of the Interconnection Service Agreement, provided such termination is consistent with the terms of the Interconnection Service Agreement, except to the extent such loss or damage is caused by the negligence or willful misconduct of the Company.

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6. NOTICES

6.1 Any written notice, demand, or request required or authorized in connection with this Agreement ("Notice") shall be deemed properly given on the date actually delivered in person or five (5) business days after being sent by certified mail, e-mail or fax with confirmation of receipt and original follow-up by mail, or any nationally-recognized delivery service with proof of delivery, postage prepaid, to the person specified below:

If to Company: National Grid___

Attention: Distributed Generation 40 Sylvan Rd

Waltham, MA 02451-1120

E-mail: Distributed.Generation@nationalgrid.com

Deleted: us.ngrid

If to Customer:

Attention:	
Address:	
City:	
Phone:	
Fax:	
E-mail:	

- 6.2 A Party may change its address for Notices at any time by providing the other Party Notice of the change in accordance with Section 6.1.
- 6.3 The Parties may also designate operating representatives to conduct the daily communications, which may be necessary or convenient for the administration of this Agreement. Such designations, including names, addresses, and phone numbers may be communicated or revised by one Party's Notice to the other.

7. RELEASE OF DATA

Company shall maintain confidentiality of all Customer confidential and proprietary information except as otherwise required by applicable laws and regulations, the Interconnection Tariff, or as approved in writing by the Customer.

8. ASSIGNMENT

Except as provided herein, Customer shall not voluntarily assign its rights or obligations, in whole or in part, under this Agreement without Company's written consent. Any assignment Customer purports to make without Company's written consent shall not be valid. Company shall not unreasonably withhold or delay its consent to Customer's assignment of this Agreement. Notwithstanding the above, Company's consent will not be required for any assignment made by Customer to an Affiliate or as collateral security in connection with a financing transaction. In all events, the Customer will not be relieved of its obligations under this Agreement unless, and until the assignee assumes in writing all obligations of this Agreement and notifies the Company of such assumption.

9. NON-WAIVER

None of the provisions of this Agreement shall be considered waived by a Party unless such waiver is given in writing. The failure of a Party to insist in any one or more instances upon strict performance of any of the provisions of this Agreement or to take advantage of any of its rights hereunder shall not be construed

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as a waiver of any such provisions or the relinquishment of any such rights for the future, but the same shall continue and remain in full force and effect.

10. GOVERNING LAW, JURISDICTION OF COMMISSION, INCLUSION OF COMPANY'S TARIFFS, DEFINED TERMS

- 10.1 This Agreement shall be interpreted, governed, and construed under the laws of the State of Rhode Island and the Providence Plantations without giving effect to choice of law provisions that might apply to the law of a different jurisdiction.
- 10.2 The interconnection and services provided under this Agreement shall at all times be subject to terms and conditions set forth in the tariffs applicable to the electric service provided by Company. Copies of such tariffs are available at the Company's web site or by request to Company and are incorporated into this Agreement by this reference.
- 10.3 Notwithstanding any other provisions of this Agreement, Company shall have the right to unilaterally file with the Commission, pursuant to the Commission's rules and regulations, an application for change in tariffs, rates, charges, classification, service or any agreement relating thereto.
- 10.4 When initially capitalized, whether in the singular or in the plural, the terms used herein shall have the meanings assigned to them either in this Agreement or in the Interconnection Tariff.

11. AMENDMENTS AND MODIFICATION

This Agreement can only be amended or modified by a written agreement signed by both Parties.

12. ENTIRE AGREEMENT

This Agreement, including any attachments or appendices, is entered into pursuant to the Interconnection Service Agreement and the Interconnection Tariff. Together this Agreement, the Interconnection Service Agreement, and the Interconnection Tariff represent the entire understanding between the Parties, their agents, and employees as to the subject matter of this Agreement. Each party also represents that in entering into this Agreement, it has not relied on any promise, inducement, representation, warranty, agreement or other statement not set forth in this Agreement or in the Company's Interconnection Tariff.

13. INDEMNIFICATION

Except as precluded by the laws of the State of Rhode Island and the Providence Plantations, 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.

14. SIGNATURES

IN WITNESS WHEREOF, the Parties hereto have caused two originals of this Agreement to be executed under seal by their duly authorized representatives.

Retail Customer (Electrical account holder)		Narragansett Electric Company d/b/a National Grid		
Name:		Name:		
Title:		Title:		
Date:		Date:		
Signature:		Signature:		

4.1.1 Voltage regulation

The DR [distributed resource] shall not actively regulate the voltage at the PCC [unless required by NEPOOL's operating procedures]. The DR shall not cause the Area EPS service voltage at other Local EPSs to go outside the requirements of ANSI C84.1-1995, Range A.

4.1.2 Integration with Area EPS grounding

The grounding scheme of the DR interconnection shall not cause overvoltages that exceed the rating of the equipment connected to the Area EPS and shall not disrupt the coordination of the ground fault protection on the Area EPS.

4.1.3 Synchronization

The DR unit shall parallel with the Area EPS without causing a voltage fluctuation at the PCC greater than \pm 5% of the prevailing voltage level of the Area EPS at the PCC, and meet the flicker requirements of 4.3.2.

4.1.8.2 Surge withstand performance

The interconnection system shall have the capability to withstand voltage and current surges in accordance with the environments defined in IEEE Std C62.41.2-2002 or IEEE C37.90.1-2002 as applicable.

4.2 Response to Area EPS abnormal conditions¹⁰

Abnormal conditions can arise on the Area EPS that require a response from the connected DR. This response contributes to the safety of utility maintenance personnel and the general public, as well as the avoidance of damage to connected equipment, including the DR. All voltage and frequency parameters specified in these subclauses shall be met at the PCC, unless otherwise stated.

4.2.1 Area EPS faults

The DR unit shall cease to energize the Area EPS for faults on the Area EPS circuit to which it is connected.

4.2.2 Area EPS reclosing coordination

The DR shall cease to energize the Area EPS circuit to which it is connected prior to reclosure by the Area EPS.

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¹⁰ The isolation of a portion of the Area EPS, presenting the potential for an unintended DR island, is a special concern and is addressed in 4.4.1. Setting adjustments may only be made as approved by the authority who has jurisdiction over the DR interconnection.

4.2.3 Voltage

The protection functions of the interconnection system shall detect the effective (rms) or fundamental frequency value of each phase-to-phase voltage, except where the transformer connecting the Local EPS to the Area EPS is a grounded wye-wye configuration, or single phase installation; the phase-to-neutral voltage shall be detected. When any voltage is in a range given in Table 1, the DR shall cease to energize the Area EPS within the clearing time as indicated. Clearing time is the time between the start of the abnormal condition and the DR ceasing to energize the Area EPS. For DR less than or equal to 30 kW in peak capacity, the voltage set points and clearing times shall be either fixed or field adjustable. For DR greater than 30 kW the voltage set points shall be field adjustable.

The voltages shall be detected at either the PCC or the point of DR connection when any of the following conditions exist:

The aggregate capacity of DR systems connected to a single PCC is less than or equal to 30 kW, the interconnection equipment is certified to pass a non-islanding test for the system to which it is to be connected,

the aggregate DR capacity is less than 50% of the total Local EPS minimum annual integrated electrical demand for a 15 minute time period, and export of real or reactive power by the DR to the Area EPS is not permitted.

Table 1 – Interconnection system response to abnormal voltages					
Voltage range(% of base voltage ^a) Clearing time $(s)^b$					
V < 50	0.16				
50 ≤ V < 88	2.00				
110 < V < 120	1.00				
<i>V</i> ≥ <i>120</i>	0.16				

^a Base voltages are the nominal system voltages stated in ANSI C84.1-1995, Table 1.

^b $DR \le 30$ kW, maximum clearing times; DR > 30 kW, default clearing times

4.2.4 Frequency

When the system frequency is in a range given in Table 2, the DR shall cease to energize the Area EPS within the clearing time as indicated. Clearing time is the time between the start of the abnormal condition and the DR ceasing to energize the Area EPS. For DR less than or equal to 30 kW in peak capacity, the frequency set points and clearing times shall be either fixed or field adjustable. For DR greater than 30 kW, the frequency set points shall be field adjustable.

Adjustable under-frequency trip settings shall be coordinated with Area EPS operations.

Table 2 – Interconnection system response to abnormal frequencies					
DR size	Frequency range (Hz)	Clearing time (s) ^a			
≤ 30 kW	> 60.5	0.16			
$\leq 30 \text{ kW}$	< 59.3	0.16			
> 30 kW	> 60.5	0.16			
	< {59.8 - 57.0} (adjustable setpoint)	Adjustable 0.16 to 300			
	< 57.0	0.16			
$^{a}DR \leq 30 \text{ kW}$, maximum clearing times; $DR > 30 \text{ kW}$, default clearing times					

4.2.5 Loss of synchronism

Loss of synchronism protection is not required except as necessary to meet 4.3.2.

4.2.6 Reconnection to Area EPS

After an Area EPS disturbance, no DR reconnection shall take place until the Area EPS voltage is within Range B of ANSI C84.1-1995, Table 1, and frequency range of 59.3Hz to 60.5Hz.

The DR interconnection system shall include an adjustable delay (or a fixed delay of five minutes) that may delay reconnection for up to five minutes after the Area EPS steady-state voltage and frequency are restored to the ranges identified above.

4.3.1 Limitation of dc injection

The DR and its interconnection system shall not inject dc current greater than 0.5% of the full rated output current at the point of DR connection.

4.3.2 Limitation of flicker induced by the DR

The DR shall not create objectionable flicker for other customers on the Area EPS. 11

4.3.3 Harmonics

When the DR is serving balanced linear loads, harmonic current injection into the Area EPS at the PCC shall not exceed the limits stated below in Table 3. The harmonic current injections shall be exclusive of any harmonic currents due to harmonic voltage distortion present in the Area EPS without the DR connected.

Table 3 – Maximum harmonic current distortion in percent of current (I) ^a							
Indivi harm order l harmo	onic i (odd	h < 11	11 ≤ h < 17	$17 \le h < 23$	23 ≤ h < 35	35 ≤ h	Total Demand Distortion (TDD)
Percer	ıt (%)	4.0	2.0	1.5	0.6	0.3	5.0

 $^{^{}a}$ I = the greater of the Local EPS maximum load current integrated demand (15 or 30 minutes) without the DR unit, or the DR unit rated current capacity (transformed to the PCC when a transformer exists between the DR unit and the PCC).

4.4.1 Unintentional islanding

For an unintentional island in which the DR energizes a portion of the Area EPS through the PCC, the DR interconnection system shall detect the island and cease to energize the Area EPS within two seconds of the formation of an island. 12

^b Even harmonics are limited to 25% of the odd harmonic limits above.

¹¹ Flicker is considered objectionable when it either causes a modulation of the light level of lamps sufficient to be irritating to humans, or causes equipment misoperation. For guidance, refer to IEEE Std 519^{TM} -1992, IEEE Recommended Practices and Requirements for Harmonic Control in Electrical Power Systems; IEEE P1453 TM, Draft Recommended Practice for Measurement and Limits of Voltage Flicker on AC Power Systems; International Electrotechnical Commission IEC/TR3 61000-3-7Assessment of Emission Limits for Fluctuating Loads in MV and HV Power Systems, IEC 61000-4-15 Flickermeter - Functional and Design Specifications, IEC 61400-21 IEC 61400-21, Wind Turbine Generator Systems - Part 21: Measurement and assessment of power quality characteristics of grid connected wind turbines - Ed. 1.0 (2000-12). ¹² Some examples by which this requirement may be met are:

^{1.} The DR aggregate capacity is less than one-third of the minimum load of the Local EPS.

^{2.} The DR is Listed to pass an applicable non-islanding test.

^{3.} The DR installation contains reverse or minimum power flow protection, sensed between the Point of DR Connection and the PCC, which will disconnect or isolate the DR if power flow from the Area EPS to the Local EPS reverses or falls below a set threshold.

^{4.} The DR contains other non-islanding means such as a) forced frequency or voltage shifting, b) transfer trip, or c) governor and excitation controls that maintain constant power and constant power factor.