Attachment 2

SMALL GENERATOR INTERCONNECTION REQUEST
(Application Form)

KAUAI ISLAND UTILITY COOPERATIVE (KIUC):

Designated Contact Person: KIUC Engineering Department, Attn: _____

Address: 4463 Pahe'e Street, Suite 1, Lihue, HI 96766-2032

Telephone Number: _____

Fax: _____

E-Mail Address: _____

An Interconnection Request is considered complete when it provides all applicable and correct information required below. Per Section 1.4 of the Policies and Procedures, documentation of site control must be submitted with the Interconnection Request.

Processing Fee or Deposit:

If the Interconnection Request is submitted under the Fast Track Process, the non-refundable processing fee is $100.

If the Interconnection Request is submitted under the Study Process (Section 3 of the Policies and Procedures), whether a new submission or an Interconnection Request that did not pass the Fast Track Process, the Interconnection Customer shall submit to KIUC a deposit not to exceed $1,000 towards the cost of the feasibility study.

Interconnection Customer Information

Legal Name of the Interconnection Customer (or, if an individual, individual's name)

Name: _____

Contact Person: _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

Attachment 2 (Continued)

SMALL GENERATOR INTERCONNECTION REQUEST
(Application Form)

Facility Location (if different from above): _____

Telephone (Day): _____ Telephone (Evening): _____

Fax: _____ E-Mail Address: _____

Alternative Contact Information (if different from the Interconnection Customer)

Contact Name: _____

Title: _____

Address: _____

_____

Telephone (Day): _____ Telephone (Evening): _____

Fax: _____ E-Mail Address: _____

Application is for: _____New Small Generating Facility
_____Capacity addition to Existing Small Generating Facility

If capacity addition to existing facility, please describe: _____
_____

Will the Small Generating Facility be used for any of the following?

Net Metering? Yes ___ No ___ (If yes, the customer must complete a KIUC Net Energy Metering Agreement)
To Supply Power to the Interconnection Customer? Yes ___ No ___
To Export Power to KIUC's Grid? Yes ____ No ____

Attachment 2 (Continued)

SMALL GENERATOR INTERCONNECTION REQUEST
(Application Form)

For installations at locations with existing electric service to which the proposed Small Generating Facility will interconnect, provide:

_____ _____
(Account Name (Existing Account Number*)

Contact Name: _____

Title: _____

Address: _____

_____

Telephone (Day): _____ Telephone (Evening): _____

Fax: _____ E-Mail Address: _____

Requested Point of Interconnection: _____

Interconnection Customer's Requested In-Service Date: _____

Small Generating Facility Information

Provide the following information on the Small Generating Facility (not the Interconnection Facilities).

Energy Source: ___ Solar ___ Wind ___ Hydro ___ Hydro Type (e.g. Run-of-River):_____
Diesel ___ Gas ___ Fuel Oil ___ Other (state type): _____

Prime Mover: ___ Fuel Cell ___ Recip Engine ___ Gas Turb ___ Steam Turb
___ Microturbine ___ PV ___ Other

Type of Generator: ____ Synchronous ____ Induction ____ Inverter

Generator Nameplate Rating: _____ kW (Typical) Generator Nameplate kVAR: _____

Attachment 2 (Continued)

SMALL GENERATOR INTERCONNECTION REQUEST
(Application Form)

Interconnection Customer or Customer-Site Load: _____ kW (if none, so state)

Typical Reactive Load (if known): _____

Maximum Physical Export Capability Requested: _____ kW

List components of the Small Generating Facility equipment package that are currently certified:

	Equipment Type	Certifying Entity
1.	_____	_____
2.	_____	_____
3.	_____	_____
4.	_____	_____
5.	_____	_____

Is the prime mover compatible with the certified protective relay package? ____Yes ____ No

Generator (or solar collector)
Manufacturer, Model Name & Number: _____
Version Number: _____

Nameplate Output Power Rating in kW: (Summer) _____ (Winter) _____
Nameplate Output Power Rating in kVA: (Summer) _____ (Winter) _____

Individual Generator Power Factor
Rated Power Factor: Leading: _____ Lagging: _____

Total Number of Generators in wind farm to be interconnected pursuant to this
Interconnection Request: _____ Elevation: _____ ___ Single phase ___ Three phase

Inverter Manufacturer, Model Name & Number (if used): _____

List of adjustable set points for the protective equipment or software: _____

Note: A completed Power Systems Load Flow data sheet must be supplied with the Interconnection Request.

Attachment 2 (Continued)

SMALL GENERATOR INTERCONNECTION REQUEST
(Application Form)

Small Generating Facility Characteristic Data (for inverter-based machines)

Max design fault contribution current: _____ Instantaneous ___ or RMS? ___

Harmonics Characteristics: _____

Start-up requirements: _____

Small Generating Facility Characteristic Data (for rotating machines)

RPM Frequency: _____
(*) Neutral Grounding Resistor (If Applicable): _____

Synchronous Generators:

Direct Axis Synchronous Reactance, Xd: _____ P.U.
Direct Axis Transient Reactance, X'_d: _____ P.U.
Direct Axis Subtransient Reactance, X''_d: _____ P.U.
Negative Sequence Reactance, X_2: _____ P.U.
Zero Sequence Reactance, X_0: _____ P.U.
KVA Base: _____
Field Volts: _____
Field Amperes: _____

Attachment 2 (Continued)

SMALL GENERATOR INTERCONNECTION REQUEST
(Application Form)

Induction Generators:

Motoring Power (kW): _____
I_2^2t or K (Heating Time Constant): _____
Rotor Resistance, Rr: _____
Stator Resistance, Rs: _____
Stator Reactance, Xs: _____
Rotor Reactance, Xr: _____
Magnetizing Reactance, Xm: _____
Short Circuit Reactance, Xd": _____
Exciting Current: _____
Temperature Rise: _____
Frame Size: _____
Design Letter: _____
Reactive Power Required In Vars (No Load): _____
Reactive Power Required In Vars (Full Load): _____
Total Rotating Inertia, H: _____ Per Unit on kVA Base

Note: Please contact KIUC prior to submitting the Interconnection Request to determine if the specified information above is required.

Excitation and Governor System Data for Synchronous Generators Only

Provide appropriate IEEE model block diagram of excitation system, governor system and power system stabilizer (PSS) in accordance with the regional reliability council criteria. A PSS may be determined to be required by applicable studies. A copy of the manufacturer's block diagram may not be substituted.

Interconnection Facilities Information

Will a transformer be used between the generator and the point of common coupling? ___ Yes ___ No

Will the transformer be provided by the Interconnection Customer? ____ Yes ____ No

Attachment 2 (Continued)

SMALL GENERATOR INTERCONNECTION REQUEST
(Application Form)

Transformer Data (If Applicable, for Interconnection Customer-Owned Transformer):

Is the transformer: ____ single phase _____ three phase? Size: _____ kVA
Transformer Impedance: _____% on _____ kVA Base

If Three Phase:
Transformer Primary: _____ Volts _____ Delta _____ Wye _____ Wye Grounded
Transformer Secondary: _____ Volts _____ Delta _____ Wye _____ Wye Grounded
Transformer Tertiary: _____ Volts _____ Delta _____ Wye _____ Wye Grounded

Transformer Fuse Data (If Applicable, for Interconnection Customer-Owned Fuse):

(Attach copy of fuse manufacturer's Minimum Melt and Total Clearing Time-Current Curves)

Manufacturer: _____ Type: _____ Size: _____ Speed: _____

Interconnecting Circuit Breaker (if applicable):

Manufacturer: _____ Type: _____
Load Rating (Amps): _____ Interrupting Rating (Amps): _____ Trip Speed (Cycles): _____

Interconnection Protective Relays (If Applicable):

If Microprocessor-Controlled:

List of Functions and Adjustable Setpoints for the protective equipment or software:

Setpoint Function	Minimum	Maximum
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____
4. _____	_____	_____
5. _____	_____	_____
6. _____	_____	_____

Attachment 2 (Continued)

SMALL GENERATOR INTERCONNECTION REQUEST
(Application Form)

If Discrete Components:

(Enclose Copy of any Proposed Time-Overcurrent 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: _____

Current Transformer Data (If Applicable):

(Enclose Copy of Manufacturer's Excitation and 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: ____

General Information

Enclose copy of site electrical one-line diagram showing the configuration of all Small Generating Facility equipment, current and potential circuits, and protection and control schemes. This one-line diagram must be signed and stamped by a licensed Professional Engineer if the Small Generating Facility is larger than 50 kW. Is One-Line Diagram Enclosed? ____Yes ____No

Enclose copy of any site documentation that indicates the precise physical location of the proposed Small Generating Facility (e.g., USGS topographic map or other diagram or documentation).

Attachment 2 (Continued)

SMALL GENERATOR INTERCONNECTION REQUEST
(Application Form)

Proposed location of protective interface equipment on property (include address if different from the Interconnection Customer's address) _____

Enclose copy of any site documentation that describes and details the operation of the protection and control schemes. Is Available Documentation Enclosed? ___ Yes ____ No

Enclose copies of schematic drawings for all protection and control circuits, relay current circuits, relay potential circuits, and alarm/monitoring circuits (if applicable).
Are Schematic Drawings Enclosed? ___ Yes ____ No

Applicant Signature

I hereby certify that, to the best of my knowledge, all the information provided in this Interconnection Request is true and correct.

For Interconnection Customer:

Signature: _____ Date: _____
Name: _____
Title: _____

Attachment 3

CERTIFICATION CODES AND STANDARDS

IEEE1547 Standard for Interconnecting Distributed Resources with Electric Power Systems (including use of IEEE 1547.1 testing protocols to establish conformity)

UL 1741 Inverters, Converters, and Controllers for Use in Independent Power Systems

IEEE Std 929-2000 IEEE Recommended Practice for Utility Interface of Photovoltaic (PV) Systems

NFPA 70 (2002), National Electrical Code

IEEE Std C37.90.1-1989 (R1994), IEEE Standard Surge Withstand Capability (SWC) Tests for Protective Relays and Relay Systems

IEEE Std C37.90.2 (1995), IEEE Standard Withstand Capability of Relay Systems to Radiated Electromagnetic Interference from Transceivers

IEEE Std C37.108-1989 (R2002), IEEE Guide for the Protection of Network Transformers

IEEE Std C57.12.44-2000, IEEE Standard Requirements for Secondary Network Protectors

IEEE Std C62.41.2-2002, IEEE Recommended Practice on Characterization of Surges in Low Voltage (1000V and Less) AC Power Circuits

IEEE Std C62.45-1992 (R2002), IEEE Recommended Practice on Surge Testing for Equipment Connected to Low-Voltage (1000V and Less) AC Power Circuits

ANSI C84.1-1995 Electric Power Systems and Equipment – Voltage Ratings (60 Hertz)

IEEE Std 100-2000, IEEE Standard Dictionary of Electrical and Electronic Terms
NEMA MG 1-1998, Motors and Small Resources, Revision 3

IEEE Std 519-1992, IEEE Recommended Practices and Requirements for Harmonic Control in Electrical Power Systems

NEMA MG 1-2003 (Rev 2004), Motors and Generators, Revision 1

Attachment 4

CERTIFICATION OF SMALL GENERATOR EQUIPMENT PACKAGES

1.0 Small Generating Facility equipment proposed for use separately or packaged with other equipment in an interconnection system shall be considered certified for interconnected operation if (1) it has been tested in accordance with industry standards for continuous utility interactive operation in compliance with the appropriate codes and standards referenced below by any Nationally Recognized Testing Laboratory (NRTL) recognized by the United States Occupational Safety and Health Administration to test and certify interconnection equipment pursuant to the relevant codes and standards listed in Attachment 3 of the Policies and Procedures, (2) it has been labeled and is publicly listed by such NRTL at the time of the interconnection application, and (3) such NRTL makes readily available for verification all test standards and procedures it utilized in performing such equipment certification, and, with consumer approval, the test data itself. The NRTL may make such information available on its website and by encouraging such information to be included in the manufacturer's literature accompanying the equipment.

2.0 The Interconnection Customer must verify that the intended use of the equipment falls within the use or uses for which the equipment was tested, labeled, and listed by the NRTL.

3.0 Certified equipment shall not require further type-test review, testing, or additional equipment to meet the requirements of this interconnection procedure; however, nothing herein shall preclude the need for an on-site commissioning test by the parties to the interconnection nor follow-up production testing by the NRTL.

4.0 If the certified equipment package includes only interface components (switchgear, inverters, or other interface devices), then an Interconnection Customer must show that the generator or other electric source being utilized with the equipment package is compatible with the equipment package and is consistent with the testing and listing specified for this type of interconnection equipment.

5.0 Provided the generator or electric source, when combined with the equipment package, is within the range of capabilities for which it was tested by the NRTL, and does not violate the interface components' labeling and listing performed by the NRTL, no further design review, testing or additional equipment on the customer side of the point of common coupling shall be required to meet the requirements of this interconnection procedure.

Attachment 4 (Continued)

CERTIFICATION OF SMALL GENERATOR EQUIPMENT PACKAGES

6.0 An equipment package does not include equipment provided by the utility.

7.0 Any equipment package approved and listed in a state by that state's regulatory body for interconnected operation in that state prior to the effective date of the Policies and Procedures shall be considered certified under the Policies and Procedures for use in that state.

Kaua'i Island Utility Cooperative

SCHEDULE Q MODIFIED AGREEMENT

SECTION 1. GENERAL

This Schedule Q Modified Agreement is made on _____, and entered into by and between _____ (Eligible Customer-Generator) and Kauai Island Utility Cooperative (KIUC). During the term of this Agreement, the Eligible Customer-Generator may own (or lease from a third party) and operate (or contract to operate with a third party) a Qualifying Facility with a design capacity of no more than as is stated in KIUC's Schedule Q Modified tariff. This Agreement is applicable only to Eligible Customer-Generators who satisfy all requirements of the definition of a Qualifying Facility as set forth in Hawaii Administrative Rules Chapter 74 of Title 6, Subchapter 2, and only to the generating facility described and installed at the location listed below.

SECTION 2. CUSTOMER INFORMATION

Eligible Customer-Generator

Name: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Facility Location (if different from above): _____

_____

Daytime phone: _____ Evening phone: _____

KIUC service account No.: _____

Owner or Operator of Generating Facility (if different from Eligible Customer-Generator above)

Name: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Daytime phone: _____ Evening phone: _____

SECTION 3. FACILITY INFORMATION

Solar: Rated generator capacity in kW _____
Generator/Inverter Make & Model _____

Wind: Rated generator capacity in kW _____
Generator/Inverter Make & Model _____

Biomass: Rated generator capacity in kW _____
Generator/Inverter Make & Model _____

Hydro: Rated generator capacity in kW _____
Generator/Inverter Make & Model _____

Hybrid: Rated generator capacity in kW _____
Generator/Inverter Make & Model _____

Cogeneration: Rated generator capacity in kW _____
Generator Make & Model _____

Other (state type): _____ Rated generator capacity in kW _____
Generator Make & Model _____

Total rated capacity in kW _____ (The total capacity of the generating facility shall be the least rated capacity (i.e., limiting) of the system component and shall not exceed the design capacity as stated in KIUC's Schedule Q Modified Tariff).

Kauai County Building Permit No. _____

(Attach Certificate of Completion or Notice of Electrical Inspection)

Single line diagram attached (check one): Yes ☐ No ☐

Protective Relay settings (check one): Yes ☐ No ☐

Site Control Documentation (check one): Yes ☐ No ☐

Liability Insurance (check one): Yes ☐ No ☐

SECTION 4. CERTIFICATION BY ELECTRICIAN AND CUSTOMER-GENERATOR

Generating and interconnection systems must comply with all applicable safety and performance standards of the National Electrical Code (NEC), Institute of Electrical and Electronic Engineers (IEEE), and accredited testing laboratories such as the Underwriters Laboratories (UL), and where applicable, the rules and requirements of the Hawaii Public Utilities Commission, other applicable governmental laws and regulations, and all requirements as specified in KIUC's applicable tariffs.

Eligible Customer-Generator certifies that the Eligible Customer-Generator has provided all information and completed all applications and agreements required under KIUC's Interconnection Tariff, and that all the information provided therein is true and correct. Eligible Customer-Generator further certifies and agrees that Eligible Customer-Generator is subject to, and will at all times comply with, the requirements set forth therein, in addition to the requirements set forth in this Agreement.

The following certifies that the installed generating system meets all of the preceding standards and requirements.

Signed (Licensed Electrical Contractor): _____

Date: _____ Hawaii License #C: _____

Name (printed): _____

Mail address: _____

City: _____ State: _____ Zip Code: _____

Daytime Phone: _____ Installation date: _____

SECTION 5. INSTALLATION

The Eligible Customer-Generator's facility shall include power conditioning equipment and a manual load-break disconnect device lockable in the open position and accessible by KIUC, as a means of electrically isolating the Eligible Customer-Generator's system from KIUC's system, and to establish working clearance for maintenance and repair work in accordance with KIUC's safety rules and practices. This load-break disconnect device shall be furnished and installed by the Eligible Customer-Generator and is to be connected between the generating system and KIUC's electric system. The disconnect device shall be located within 10 feet of the electric meter serving the customer. The disconnect device shall be clearly labeled "QF". Upon reasonable notice to the Eligible Customer-Generator, KIUC shall have the right to inspect the installed system.

Load-break disconnect will not be required if the Eligible Customer-Generator allows KIUC to "pull" the electric meter to carry out system maintenance. Initials required: _____

SECTION 6. METERING

KIUC will supply, own, and maintain all necessary meters and associated equipment utilized for billing and/or measuring the delivery of power. Applicable metering charges, including a monthly meter charge will be as stated in the Schedule Q Modified tariff. The Eligible Customer-Generator shall supply, at no expense to KIUC, a suitable location for meters and associated equipment.

SECTION 7. ACCESS

KIUC shall have the right of ingress to and egress from the Eligible Customer-Generator's property and/or the location of the generating facility at all reasonable hours for any purposes reasonably connected with this Agreement, the furnishing of electric energy and the exercise of any and all rights secured to KIUC by law or tariff. If this right is impaired by any locked gates, doors or other facilities, the Eligible Customer-Generator shall furnish, at the customer-generator's expense, a company locket or padlock or lockbox combination.

SECTION 8. NOTICE OF CHANGES

Eligible Customer-Generator shall provide KIUC with at least 30-day advance written notice of any proposed changes made or relating to its generating facility (e.g., a change in ownership or a change in capacity, mode of operation or design). Any changes may be subject to any requirements that may then be imposed by KIUC, and may require re-certification and the execution of new or additional agreements that may then be utilized by KIUC. If there is a change in ownership of the generating facility or the property upon which the generating facility is located, KIUC may require re-certification by the new owner, and Eligible Customer-Generator agrees to sign, and cause the new owner to sign, any and all documents required by KIUC in connection with the change in ownership to among other things, require the new owner to assume all of Eligible Customer-Generator's duties and obligations under this Agreement and any other applicable agreements.

SECTION 9. INDEMNIFICATION

Each party as indemnitor shall hold harmless and indemnify the other party and the directors, officers, authorized agents, and employees of such other party against and from any and all loss and liability for injuries to persons including employees and authorized agents of either party, and damages, including property of either party, resulting from or arising out of the engineering, design, construction, maintenance, or operation of, or the making of replacements, additions, or betterments to the indemnitor's facilities which are required for the interconnection and parallel operation of the Eligible Customer-Generator facility with KIUC's electric system and the generation of energy by the Eligible Customer-Generator. Neither party shall be indemnified for liability or loss resulting from its sole negligence or willful misconduct. Nothing in this Agreement shall create any duty to, any standard of care with reference to, or any liability to any person not a party to it.

SECTION 10. PERSONNEL AND SYSTEM SAFETY AND OPERATIONS

If at any time KIUC determines that the continued operation of the Eligible Customer-Generator facility may endanger any person or property, have an adverse effect on KIUC's electric system or operations, or have an adverse effect on the safety or power quality of other customers, KIUC shall have the right to disconnect the Eligible Customer-Generator's generating facility from KIUC's electric system, derate the generating facility, and/or impose additional requirements upon the Eligible Customer-Generator to remove or alleviate such endangerment and/or adverse effect. In the event of disconnection or deration, the Eligible

Customer-Generator's generating facility shall remain disconnected or derated until such time as KIUC is satisfied that the condition(s) creating the endangerment or adverse effect(s) have been corrected. KIUC shall not be obligated to accept any energy from the Eligible Customer-Generator during any period of disconnection, and shall only accept the reduced allowed capacity during any period of deration. KIUC shall not be liable directly or indirectly for permitting or continuing to allow the interconnection of the generating facility or for the acts or omissions of the Eligible Customer-Generator that cause loss or injury, including death, to any third party.

SECTION 11. ADDITIONAL INFORMATION

KIUC reserves the right to require additional information, where necessary, to serve the Eligible Customer-Generator under Qualifying Facility service.

SECTION 12. ADDITIONAL REQUIREMENTS

See Exhibit 1 for operating requirements imposed upon the Eligible Customer-Generator's generating facility. In addition, KIUC shall have the right to install or require the installation of additional equipment and facilities within the Eligible Customer-Generator's property and/or the location of the generating facility that are deemed prudent and/or necessary by KIUC for the interconnection, control and delivery of power to and from the generating facility.

SECTION 13. TERM

This Agreement shall become effective upon execution by the Eligible Customer-Generator and KIUC, and shall continue in effect on a month-to-month basis. The Eligible Customer-Generator may terminate this Agreement at any time. KIUC may terminate this Agreement at any time if the Eligible Customer-Generator fails to comply with the terms of this Agreement, Interconnection Agreement, other applicable tariff requirements or meet the definition of a Qualifying Facility as set forth in Hawaii Administrative Rules Chapter 74 of Title 6, Chapter 2. Upon termination, Eligible Customer-Generator shall have no further right to interconnect the generating facility to KIUC's system.

SECTION 14. SCHEDULE Q MODIFIED

The undersigned selects the following option under Schedule Q Modified Tariff.
☐ Schedule Q Modified Option 1: Not selling excess electricity to KIUC
☐ Schedule Q Modified Option 2: Selling excess electricity to KIUC

The undersigned hereby agrees and acknowledges that, consistent with KIUC's Schedule Q Modified Tariff, any energy credit or payment from KIUC for any electrical energy delivered to KIUC by the Eligible Customer-Generator's generating facility shall be credited or paid to the account-holder of the electric account associated with the KIUC meter interconnected to the generating facility, regardless of whether such account-holder is the undersigned, and without relieving or in any way limiting the undersigned's obligations and liabilities hereunder and under the associated Interconnection Agreement.

SECTION 15. CUSTOMER-GENERATOR SIGNATURE

I agree to be bound by the terms and conditions of this Agreement and KIUC's Schedule Q Modified tariff, and I understand that all aspects of billing for electric service will conform where applicable to KIUC's tariff rules and rate schedules, the Hawaii Public Utilities Commission's orders and rules, and the provisions of all applicable Hawaii laws, as may be changed (amended, replaced or superseded) from time to time. Because such rules, rates, rate schedules, orders and laws may be changed from time to time, I understand and acknowledge that: (1) the Schedule Q energy credit/payment rate for the electrical energy delivered to KIUC by the Eligible Customer-Generator's generating facility is not guaranteed to remain or remain at any constant or certain rate, and that such rate and payment obligations are subject to change in accordance with KIUC's Schedule Q Modified Tariff, as may be amended or superseded from time to time; and (2) such changes in rules, rates, schedules, orders and laws may positively or negatively affect any potential savings or the value of the generating facility. I also understand and acknowledge that. I also certify that, to the best of my knowledge, all the information provided in this Agreement is true and correct. I also understand that I am required to pay the applicable application fee.

Eligible Customer-Generator: _____ Date: _____

SECTION 16. KAUAI ISLAND UTILITY COOPERATIVE SIGNATURE

I hereby acknowledge receipt and completeness of the Agreement.

KIUC Representative: _____

Title: _____ Date: _____

Exhibit 1

Additional Operating Requirements for
Eligible Customer-Generator's Generating Facility

1. Eligible Customer-Generator's standard operating procedures shall be subject to KIUC's review and approval.
2. No protective relay or control characteristics of the generating facility shall be altered, modified or otherwise changed without prior KIUC approval.
3. Testing of operational criteria before and after parallel operation will be done in accordance with "Good Utility Practice," as that term is defined in KIUC's Interconnection Tariff.
4. Notwithstanding anything to the contrary, the Eligible Customer-Generator's generating facility may be temporarily disconnected from KIUC's system during periods of high solar penetration on KIUC's system and as deemed appropriate by KIUC to ensure overall reliability of its system.
5. Eligible Customer-Generator shall be responsible for all costs associated with the installation of a dedicated curtailment meter socket and the installation of a secondary KIUC AMI meter to remotely disconnect/connect/control the exportation of energy from the Eligible Customer-Generator's generating facility to KIUC's system.
6. **[For Three Phase Service Only]** Eligible Customer-Generator is additionally responsible for all costs associated with the installation of a dedicated curtailment meter socket and/or disconnect device on the load side of the secondary KIUC AMI meter that is able to receive a 120V signal in order to remotely disconnect/connect/control the exportation of energy from the Eligible Customer-Generator's generating facility to KIUC's system.
7. Inverter under frequency set points must be adjustable down to 57.0 Hz, 3 seconds and over frequency set points must be adjustable up to 62.5 Hz, 3 seconds.
8. Inverter overvoltage fast settings must be adjustable to 1.2 pu, 0.16 sec. and the overvoltage slow settings must be adjustable to 1.19 pu, 1.00sec.
9. Inverter undervoltage fast settings must be adjustable to 0.5pu, 0.16 sec. and the undervoltage slow settings must be adjustable to 0.51pu, 2.0 sec.
10. Eligible Customer-Generator must be willing and able to adjust the inverter trip settings given by KIUC to preserve grid stability. These inverter requirements will have to be reviewed and approved with KIUC's Engineering Department during the commissioning phase before interconnection to the KIUC system is allowed.
11. No inverter settings shall be altered, modified or otherwise changed without prior KIUC approval.
12. Eligible Customer-Generator must be willing and able to generate a report of inverter activities based on request by KIUC within 30 days of request.
13. The Eligible Customer-Generator's generating facility shall not exceed IEEE 519 Standard Practices and Requirements for Harmonic Control in Electric Power Systems.

SIGNATURE: _____