



Standard Interconnection Agreement Customer-Owned Renewable Generation System Tier 1 - 15 kW or Less Net Metering

This Interconnection Agreement "Agreement" is made and entered into this ____ day of _____, 20____, by and between _____, (hereinafter called "Customer"), located at _____ in Homestead, Florida, and the **CITY OF HOMESTEAD**, a Florida municipal corporation, (the "City") acting by and through the City's electrical utility department, known as **HOMESTEAD ENERGY SERVICES** ("HES"), with an address of 100 NE Civic Court, Homestead FL 33030. Customer and HES shall collectively be called the "Parties". All references herein to HES include the City. The physical location/premise where the interconnection is taking place is: _____ (the "Premises").

WITNESSETH

Whereas, a Tier 1 customer-owned renewable generation system ("RGS") is an electric generating system located at real property owned by Customer (the Premises) that uses one or more of the following fuels or energy sources: hydrogen, biomass, solar energy, geothermal energy, wind energy, ocean energy, waste heat, or hydroelectric power as defined in Section 377.803, Florida Statutes, rated at no more than 15 kilowatts (15 kW) alternating current (AC) power output and is primarily intended to offset part or all of the Customer's current electric requirements; and

Whereas, HES operates an electric system serving the City of Homestead in Miami Dade County, Florida and

Whereas, Customer has submitted a written Application to HES, a copy being attached hereto, to interconnect its RGS with HES's electrical supply grid at the Premises; and

Whereas, in order to promote the development of small customer-owned renewable generation, HES offers net metering service by which customers may interconnect their customer-owned renewable generation system with HES' electric system to allow HES customers to offset their electric consumption with customer-owned renewable generation, and has agreed to credit customers for excess customer-owned generation; and

Whereas, HES desires to provide interconnection of customer-owned renewable generation system under conditions which will insure the safety of HES customers and employees, reliability and integrity of its distribution system;

NOW, THEREFORE, for and in consideration of the mutual covenants and agreements herein set forth, the parties hereto covenant and agree as follows:

1. This Agreement is strictly limited and applies to a Tier 1 RGS as defined above. It is the Customer's responsibility to notify HES of any change to the gross power rating of the RGS by submitting a new application for interconnection specifying the modifications at least 30 days prior to making the modifications. The term "gross power rating" (GPR) means the total manufacturer's AC nameplate generating capacity of an on-site customer-owned renewable generation system that will be interconnected to and operate in parallel with HES distribution facilities. For inverter-based systems, the GPR shall be calculated by multiplying the total installed DC nameplate generating capacity by 0.85 in order to account for losses during the conversion from DC to AC. An increase in GPR above the 15 kW limit would necessitate entering into a new agreement at either Tier 2 or Tier 3 which will impose additional requirements on the Customer. In no case does the Tier 1 interconnection agreement cover increases in GPR above 15 kilowatts (kW).

2. The RGS GPR must not exceed 90% of the HES' distribution service rating at the Customer's Premises. If the GPR does exceed the 90% limit, the Customer shall be responsible to pay the cost of upgrades to the distribution facilities required to accommodate the GPR capacity and ensure the 90% threshold is not breached.

3. The Customer shall be required to pay all fees associated with the installation of the RGS as noted in the net metering rate schedule.

4. The Customer shall fully comply with HES' Rules and Regulations and Electric Service Specifications as those documents may be amended or revised by HES from time to time.

5. The Customer certifies that its installation, its operation and its maintenance shall be in compliance with the following standards:

- a. IEEE-1547 (2003) Standard for Interconnecting Distributed Resources with Electric Power System;
- b. IEEE-1547.1 (2005) Standard Conformance Test Procedures for Equipment Interconnection Distributed Resources with Electric Power Systems;
- c. UL-1741 (2005) Inverters, Converters, Controllers and Interconnection System Equipment for Use with Distributed *Energy Resources*.
- d. The National Electric Code, state and/or local building codes, mechanical codes and/or electrical codes;
- e. The manufacturer's installation, operation and maintenance instructions.

6. The Customer is not precluded from contracting for the lease, operation or maintenance of the RGS with a third party. Such lease may not provide terms or conditions that provide for any payments under the agreement to any way indicate or reflect the purchase of energy produced by the RGS. Customer shall not enter into any lease agreement that results in the retail purchase of electricity; or the retail sale of electricity from the customer-owned renewable generation. Notwithstanding this restriction, in the event that Customer is determined to have engaged in the retail purchase of electricity from a party other than HES, then Customer shall be in breach of this Agreement and may be subject to the jurisdiction of the Florida Public Service Commission and to fines/penalties.

7. The Customer shall provide a copy of the manufacturer's installation, operation and maintenance instructions to HES. If the RGS is leased to the Customer by a third party, or if the operation or maintenance of the RGS is to be performed by a third party, the lease and/or maintenance agreements and any pertinent documents related to these agreements shall be provided to HES.

8. Prior to commencing parallel operation with HES's electric system, Customer shall have the RGS inspected and approved by the appropriate code authorities having jurisdiction. Customer shall provide a copy of this inspection and approval to HES.

9. The Customer agrees to permit HES, if it should so choose, to inspect the RGS and its component equipment and the documents necessary to ensure compliance with this Agreement both before and after the RGS goes into service and to witness the initial testing of the RGS equipment and protective apparatus. HES will provide Customer with as much notice as reasonably possible, either in writing, email, facsimile or by phone as to when HES may conduct inspections and or document review. Upon reasonable notice, or at any time without notice in the event of an emergency or hazardous condition, Customer agrees to provide HES access to the Customer's Premises for any purpose in connection with the performance of the obligations required by this Agreement or, if necessary, to meet HES's legal obligation to provide service to its customers. At least ten (10) business days prior to initially placing the customer-owned renewable generation system in service, Customer shall provide written notification to HES advising HES of the date and time at which Customer intends to place the system in service, and HES shall have the right to have personnel present on the in-service date in order to ensure compliance with the requirements of this Agreement.

10. Customer certifies that the RGS equipment includes a utility-interactive inverter or interconnection system equipment that ceases to interconnect with the HES system upon a loss of HES power. The inverter shall be considered certified for interconnected operation if it has been submitted by a manufacturer to a nationally recognized testing laboratory (NRTL) to comply with UL 1741. The NRTL shall be approved by the Occupational Safety & Health Administration (OSHA).

11. If Customer adds another RGS which (i) utilizes the same utility-interactive inverter for both systems; or (ii) utilizes a separate utility-interactive inverter for each system, then Customer shall provide HES with sixty (60) days advance written notice of the addition.

12. The Customer shall not energize the HES system when HES' system is de-energized. The Customer shall cease to energize the system during a faulted condition on the HES system and/or upon any notice from HES that the de-energizing of Customer's RGS equipment is necessary. The Customer shall cease to energize the HES system prior to automatic or non-automatic reclosing of HES's protective devices. There shall be no intentional islanding, as described in IEEE 1547, between the Customer's and HES's systems.

13. The Customer is solely responsible for the protection of its generation equipment, inverters, protection devices, and other system components from damage from the normal and

abnormal operations that occur on HES' electric system in delivering and restoring system power. Customer agrees that any damage to any of its property, including, without limitation, all components and related accessories of its RGS system, due to the normal or abnormal operation of HES' electric system, is at Customer's sole risk and expense. Customer is also responsible for ensuring that the customer-owned renewable generation equipment is inspected, maintained, and tested regularly in accordance with the manufacturer's instructions to ensure that it is operating correctly and safely.

14. The Customer must install, at Customer's expense, a manual disconnect switch of the visible load break type to provide a separation point between the AC power output of the customer-owned renewable generation system and any Customer wiring connected to HES' electric system, such that back feed from the customer-owned renewable generation system to HES's electric system cannot occur when the switch is in the open position. The manual disconnect switch shall be mounted separate from the meter socket on an exterior surface adjacent to the meter. The switch shall be readily accessible to HES and capable of being locked in the open position with a HES padlock. When locked and tagged in the open position by HES, this switch will be under the control of HES.

15. Subject to an approved inspection, including installation of acceptable disconnect switch, this Agreement shall be executed by HES within thirty (30) calendar days of receipt of a completed application. Customer must execute this Agreement and return it to HES at least thirty (30) calendar days prior to beginning parallel operations with HES's electric system, and within one (1) year after HES executes this Agreement.

16. Once HES has received Customer's written documentation that the requirements of this Agreement have been met, all agreements and documentation have been received and the correct operation of the manual switch has been demonstrated to a HES representative, HES will, within fifteen (15) business days, send written notice that parallel operation of the RGS may commence.

17. HES requires and the Customer agrees to maintain general liability insurance for personal injury and property damage in the amount of not less than one hundred thousand dollars (\$100,000.00). Proof of this insurance shall be provide to Homestead Energy Service ("HES") prior to beginning parallel operations with HES and upon request by HES from time to time.

18. HES will furnish, install, own and maintain metering equipment capable of measuring the flow of kilowatt-hours (kWh) of energy. The Customer's service associated with the RGS will be registered by HES provided two-way meter. Customer agrees to provide safe and reasonable access to the Premises for installation, maintenance and reading of the metering and related equipment. The Customer shall not be responsible for the cost of the installation and maintenance of the metering equipment necessary to measure the energy delivered by the Customer to HES. [Metered to measure the energy delivered by HES to Customer, and also measure the energy delivered by Customer to HES].

19. The Customer shall be solely responsible for all legal and financial obligations arising from the design, construction, installation, operation, maintenance and ownership of the RGS.

20. The Customer must obtain all permits, inspections and approvals required by applicable jurisdictions with respect to the generating system and must use a licensed, bonded and insured contractor to design and install the generating system. The Customer agrees to provide HES with a copy of the Local Building Code Official inspection and certification of installation. The certification shall reflect that the local code official has inspected and certified that the installation was permitted, has been approved, and has met all electrical and mechanical qualifications.

21. In no event shall any statement, representation, or lack thereof, either express or implied, by HES relieve the Customer of exclusive responsibility for the Customer's system. Specifically, any HES inspection of the RGS shall not be construed as confirming or endorsing the system design or its operating or maintenance procedures or as a warranty or guarantee as to the safety, reliability, or durability of the RGS. HES's inspection, acceptance, or its failure to inspect shall not be deemed an endorsement of any RGS equipment or procedure. Further, as set forth in Sections 13 and 19 of this Agreement, Customer shall remain solely responsible for any and all losses, claims, damages and/or expenses related in any way to the operation or misoperation of its RGS equipment.

22. Notwithstanding any other provision of this Agreement, HES, at its sole and absolute discretion, may isolate the Customer's system from the distribution grid by whatever means necessary, without prior notice to the Customer. To the extent practical, however, prior notice shall be given. The system will be reconnected as soon as practical once the conditions causing the disconnection cease to exist. HES shall have no obligation to compensate the Customer for any loss of energy during any and all periods when Customer's RGS is operating at reduced capacity or is disconnected from HES's electrical distribution system pursuant to this Agreement. Typical conditions which may require the disconnection of the Customer's system include, but are not limited to, the following:

- a. HES system emergencies, forced outages, uncontrollable forces or compliance with prudent electric utility practice.
- b. When necessary to investigate, inspect, construct, install, maintain, repair, replace or remove any HES equipment, any part of HES's electrical distribution system or Customer's generating system.
- c. Hazardous conditions existing on HES ' utility system due to the operation of the Customer's generation or protective equipment as determined by HES.
- d. Adverse electrical effects (such as power quality problems) on the electrical equipment of HES ' other electric consumers caused by the Customer's generation as determined by HES.
- e. When Customer is in breach of any of its obligations under this Agreement or any other applicable policies and procedures of HES.
- f. When the Customer fails to make any payments due to HES by the due date thereof.

23. Upon termination of services pursuant to this Agreement, HES shall open and padlock the manual disconnect switch and remove any additional metering equipment related to this Agreement. At the Customer's expense, within thirty (30) working days following the

termination, the Customer shall permanently isolate the RGS and any associated equipment from HES's electric supply system, notify HES that the isolation is complete, and coordinate with HES for return of HES ' lock.

24. To the fullest extent permitted by law, and in return for adequate, separate consideration, Customer shall indemnify, defend and hold harmless City and HES, any and all of their members of its governing bodies, and its officers, agents, and employees for, from and against any and all claims, demands, suits, costs of defense, attorneys' fees, witness fees of any type, losses, damages, expenses, and liabilities, whether direct, indirect or consequential, related to, arising from, or in any way connected with:

- a. Customer's design, construction, installation, inspection, maintenance, testing or operation of Customer's generating system or equipment used in connection with this Agreement, irrespective of any fault on the part of HES.
- b. The interconnection of Customer's generating system with, and delivery of energy from the generating system to, HES's electrical distribution system, irrespective of any fault on the part of HES.
- c. The performance or nonperformance of Customer's obligations under this Agreement or the obligations of any and all of the members of Customer's governing bodies and its officers, agents, contractors (and any subcontractor or material supplier thereof) and employees.

Customer's obligations under this Section shall survive the termination of this Agreement.

25. Customer shall not have the right to assign its benefits or obligations under this Agreement without HES' prior written consent and such consent shall not be unreasonably withheld. If there is a change in ownership of the Premises and/or the RGS, Customer shall provide written notice to HES at least thirty (30) days prior to the change in ownership. The new owner will be required to assume, in writing, the Customer's rights and duties under this Agreement, or execute a new Standard Interconnection Agreement. The new owner shall not be permitted to net meter or begin parallel operations until the new owner assumes this Agreement or executes a new Agreement.

26. This Agreement supersedes all previous agreements and representations either written or verbal heretofore made between HES and Customer with respect to matters herein contained. This Agreement, when duly executed, constitutes the only Agreement between parties hereto relative to the matters herein described. This Agreement shall continue in effect from year to year until either party gives sixty (60) days' notice of its intent to terminate this Agreement.

27. This Agreement shall be governed by and construed and enforced in accordance with the laws, rules and regulations of the State of Florida and HES 's Tariff as it may be modified, changed, or amended from time to time, including any amendments modification or changes to HES's Net Metering Service Rate Schedule, the schedule applicable to this Agreement. The Customer and HES agree that any action, suit, or proceeding arising out of or relating to this Agreement shall be initiated and prosecuted in the state court of competent jurisdiction located in Miami-Dade County, Florida, and HES and the Customer irrevocably submit to the jurisdiction

and venue of such court. To the fullest extent permitted by law, each Party hereby irrevocably waives any and all rights to a trial by jury and covenants and agrees that it will not request a trial by jury with respect to any legal proceeding arising out of or relating to this Agreement.

28. None of the provisions of this Agreement shall be considered waived by either Party except when such waiver is given in writing. No waiver by either Party of any one or more defaults in the performance of the provisions of this Agreement shall operate or be construed as a waiver of any other existing or future default or defaults. If any one or more of the provisions of this Agreement or the applicability of any provision to a specific situation is held invalid or unenforceable, the provision shall be modified to the minimum extent necessary to make it or its application valid and enforceable, and the validity and enforceability of all other provisions of this Agreement and all other applications of such provisions shall not be affected by any such invalidity or unenforceability. This Agreement does not govern the terms and conditions for the delivery of power and energy to non-generating retail customers of HES's electrical distribution system.

29. This Agreement incorporates by reference the terms of the tariff filed with the Florida Public Service Commission by HES including HES's Net Metering Service Rate Schedule, and associated technical terms and abbreviations, general rules and regulations and standard electric service requirements (as may be applicable) are incorporated by reference, as amended from time to time. To the extent of any conflict between this Agreement and such tariff, the tariff shall control.

30. HES and Customer recognize that the Florida Statutes and/or the Florida Public Service Commission Rules, including those directly addressing the subject of this Agreement, may be amended from time to time. In the event that such statutes and/or rules are amended that affect the terms and conditions of this Agreement, HES and Customer agree to supersede and replace this Agreement with a new Interconnection Agreement which complies with the amended statutes/rules. This Agreement shall not be amended or modified except by a writing executed by both parties.

31. Customer acknowledges that its provision of electricity to HES hereunder is on a first-offered first-accepted basis and subject to diminution and/or rejection in the event the total amount of electricity delivered to HES pursuant to the HES Net Metering Service Rate Schedule, (as filed with the Florida Public Service Commission), from all participating HES customers, exceeds 2.5 percent (%) of the aggregate customer peak demand on HES's electric system.

32. This Agreement is solely for the benefit of HES and Customer and no right nor any cause of action shall accrue upon or by reason, to or for the benefit of any third party not a formal party to this Agreement. Nothing in this Agreement, expressed or implied, is intended or shall be construed to confer upon any person or corporation other than HES or Customer, any right, remedy, or claim under or by reason of this Agreement or any of the provisions or conditions of this Agreement; and, all provisions, representations, covenants, and conditions contained in this Agreement shall inure to the sole benefit of and be binding upon HES and Customer and their respective representatives, successors, and assigns. Further, no term or condition contained in

this Agreement shall be construed in any way as a waiver by HES or City of the sovereign immunity applicable to HES or City as established by Florida Statutes, 768.28.

33. All communications required or otherwise provided under this Agreement shall be in writing and shall be deemed given when delivered to the address provided above for each such party (as may be amended by notice from time to time), by hand, by courier (including FedEx, UPS, etc.) or by any form of US mail.

34. If any dispute arises under this Agreement or otherwise involves the enforcement of any of the terms of this Agreement, the prevailing party in said dispute, shall be entitled to reasonable attorneys' fees incurred in connection with said dispute, in the trial court level and on appeal(s).

35. Renewable Energy Credits. Customer acknowledges that there may be green energy attributes, typically called Renewable Energy Credits, which are derived from the energy generated by these systems. The Customer agrees that HES retains full rights and ownership to these credits.

IN WITNESS WHEREOF, Customer and HES have executed this Agreement the day and year first above written.

[CITY SIGNATURE BLOCK IS REQUIRED]

HES - CITY OF HOMESTEAD, A
Florida municipal corporation, acting by
and through the City's electrical utility
department, known as **HOMESTEAD**
ENERGY SERVICES (HES)

ATTEST:

By: _____
George Gretsas, City Manager

By: _____
Elizabeth Sewell, MMC, City Clerk

APPROVED AS TO FORM AND LEGAL SUFFICIENCY

By: _____
Weiss, Serota, Helfman, Cole & Bierman, P.L.
City Attorney

HOMESTEAD ELECTRIC SERVICES: CUSTOMER:

By: _____

(Print Name)_____

Title: _____

Date:_____

HPS Account Number: _____