

**STANDARD INTERCONNECTION AGREEMENT FOR  
INTERCONNECTED CUSTOMER-OWNED BATTERY SUBSYSTEMS  
1 KW OR MORE**

This Agreement is made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, by and between \_\_\_\_\_, (hereinafter called "Customer"), located at \_\_\_\_\_ in \_\_\_\_\_, Florida and Tampa Electric Company (hereafter called "Company"), a corporation organized under the laws of the State of Florida. The Customer and the Company shall collectively be called the "Parties".

**WITNESSETH:**

**WHEREAS**, an Interconnected Customer-Owned Battery Subsystem (BAT) is a battery system consisting of one or more storage batteries and battery chargers (including inverters, converters, and associated electrical equipment) that is: located on Customer's premises; connected with and operates in parallel with the Company's electrical system, rated at more than 1 kilowatt (kW) alternating current (AC) power output, intended to offset part or all of Customer's existing electricity requirements for an extended period of time (in excess of 15 minutes), but will not export power into the Company's supply grid for more than 100 milliseconds upon interruption of utility supplied electric service before it isolates electrically. When the Customer's BAT is operating in parallel to the Company's supply grid, the battery system will only inadvertently export.

**WHEREAS**, the Customer has made a request to interconnect its owned or leased BAT with the Company's electrical supply grid at a standard service voltage (500 volts or less) as specified in the Company's Standard Electrical Service Requirements.

**NOW, THEREFORE**, that and for the mutual covenants and agreements expressed herein, the Company and the Customer agree as follows:

1. The Customer certifies that the BAT equipment, its installation, its operation and its maintenance shall be in compliance with: IEEE-1547 and standards referenced by IEEE-1547; UL 1741; UL 9540; the National Electrical Code; state and local building codes, mechanical codes, and electrical codes.
2. The Customer's BAT will supply power only for the Customer's own use and shall not export power into the Company's supply grid for more than 100 milliseconds upon interruption of utility supplied electric service before it isolates electrically. When the Customer's BAT is operating in parallel to the Company's supply grid, the battery system will only inadvertently export. The BAT shall not energize the Company's system when the Company's system is de-energized. The BAT shall cease to energize the Company's system during a faulted condition on the Company's system. The BAT shall cease to energize the Company's system prior to the automatic or non-automatic reclosing of the Company's protective device(s).

The protective scheme used to accomplish the non-export design shall be approved by the System Security Department of the Company.

3. The Customer shall provide the Company a copy of the BAT manufacturer's installation, operation and maintenance instructions. If the BAT is leased to the Customer by a third party, or if operation or maintenance of the BAT is to be performed by a third party, the lease or performance agreements and any pertinent documents related to those agreements, shall be provided by the Customer to the Company.
4. The Company shall not provide electric service to the Customer under conditions requiring operation in parallel with generation equipment connected to the Customer's system if, in the opinion of the Company, such operation is hazardous or may interfere with its own operations or service to other customers or with service furnished by other customers of the Company.
5. The Customer shall have the completed BAT inspected and approved by the appropriate code authority having jurisdiction. The Customer shall provide proof of this inspection and approval to the Company. The Company shall also inspect and approve the BAT. All such inspections and approvals shall be completed before the BAT may be put into service.
6. For all BAT installations at or below 15 Kw AC maximum capacity, the Customer shall maintain general liability insurance for personal injury and property damage in the amount of not less than one hundred thousand dollars (\$100,000). For all BAT installations above 15 Kw AC maximum capacity, the Customer shall maintain general liability insurance for personal injury and property damage in the amount of not less than one million dollars (\$1,000,000). The Customer shall provide to the Company initial proof of insurance in the form of a certificate evidencing the Customer's insurance coverage in effect at the time of interconnection. The certificate shall list the BAT as a covered addition to the Customer's insured property. The Customer shall submit similar proof of continuing insurance coverage within 30 days of any policy renewal. As an alternative to the foregoing insurance requirement, the Customer may self-insure upon receiving the Company's prior written approval. The Company will provide the Customer with written notification of approval or disapproval of a self-insurance application within 30 business days after the Company's receipt of all documentation required to support the application. In the event that the Company approves Customer's request to self-insure, Customer shall provide proof of its continuing ability to self-insure to the Company on an annual basis, or more frequently if requested by the Company. Notwithstanding the foregoing, the minimum insurance coverage amount set forth above shall be limited for the state, a state agency or subdivision (as those terms are defined in Section 768.28(2), Florida Statutes, or the successor thereto), to the maximum dollar amounts set forth in Section 768.28(5), Florida Statutes, or the successor thereto.
7. The Customer shall pay the Company a "Contribution in Aid to Construction" (CIAC) to design, procure, construct, and install any Company owned system upgrades necessary to accommodate the BAT.

8. The Customer is responsible for the protection of its BAT, interconnection equipment, inverters, protection devices, and other system components from damage from the normal and abnormal operations that occur on the Company's utility system in delivering and restoring system power. The Customer is also responsible for ensuring that the BAT equipment is inspected, maintained, and tested regularly in accordance with the manufacturer's instructions to ensure that it is operating correctly and safely.
9. The Customer shall install a manual disconnect switch of the visible load-break type to provide a separation point between the AC Power output of the BAT and any Customer wiring connected to the Company's utility system such that back feed from the BAT to the Company's system cannot occur when the switch is in the open position. A contact, circuit breaker, or molded case switch, or a switch that cannot be seen and accessed directly, does not provide an acceptable visible break and is not acceptable. A BAT system with an internally designed manual, lockable visible disconnect switch, may be acceptable provided it offers the utility the same operational access as the meter. 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 the Company and capable of being locked and tagged in the open position with a Company padlock. When locked and tagged in the open position by the Company, this switch will be under the control of the Company. For all BATs at or below 15 kW AC maximum capacity, the Company will pay a one-time reimbursement for the installation of the switch not to exceed the amount listed on the Company website. The Customer will be responsible for all costs to install the switch above this amount. For all BATs above 15 kW AC maximum capacity, the Customer shall be fully responsible for the expense of installation of the switch.
10. The Company may open the switch, isolating the BAT, without prior notice to the Customer. To the extent practical, however, prior notice shall be given. If prior notice is not given, the Company shall at the time of disconnection leave a door hanger notifying the Customer that the BAT has been disconnected, including an explanation of the condition necessitating such action. The switch will be re-closed by the Company as soon as practical once the conditions causing the disconnection cease to exist. Conditions which may require the switch to be opened are:
  - Company utility system emergencies or maintenance requirements.
  - Hazardous conditions existing on the Company's utility system due to the operation of the Customer's BAT as determined by the Company.
  - Adverse electrical effects (such as power quality problems) on the electrical equipment of the Company's other electric consumers caused by the BAT as determined by the Company.

- Failure of the Customer to maintain the required insurance for the duration of this Agreement.
- 11.a The Customer agrees to indemnify and hold harmless the Company, its subsidiaries and affiliates, and their respective employees, officers and directors, against any and all liability, loss, damage, cost, claims or expense, including attorney's fees, which the Company, its subsidiaries, affiliates, and their respective employees, officers and directors may hereafter incur, suffer or be required to pay by reason of negligence on the part of the Customer under the obligation of this Agreement. The Company agrees to indemnify and hold harmless the Customer, its subsidiaries and affiliates, and their respective employees, officers and directors, against any and all liability, loss, damage, cost, claims or expense, including attorney's fees, which the Customer, its subsidiaries and affiliates, and their respective employees, officers and directors may hereafter incur, suffer or be required to pay by reason of negligence on the part of the Company under the obligations of this Agreement.
- b. With respect to a Customer that is the state, a state agency or subdivision (as those terms are defined in Section 768.28(2), Florida Statutes, or the successor thereto), the obligations of Customer set forth in Paragraph 12.a above shall be subject to Section 768.28, Florida Statutes, (or the successor thereto), including the limitations contained therein. With respect to a Customer that is the United States of America, or agency or subdivision thereof, the obligations set forth in the first sentence of Paragraph 11.a shall not apply. In either case, the Company reserves its rights under Section 768.28, Florida Statutes, (or the successor thereto), and the Federal Tort Claims Act (or the successor thereto), as applicable, including, but not limited to, the right to pursue legislative relief.
12. In no event shall any statement, representation, or lack thereof, either express or implied, by the Company, relieve the Customer of exclusive responsibility for the Customer's BAT. Specifically, any Company inspection of the BAT shall not be construed as confirming or endorsing the BAT design or its operating or maintenance procedures nor as a warranty or guarantee as to the safety, reliability, or durability of the BAT equipment. The Company's inspection, acceptance, or its failure to inspect shall not be deemed an endorsement of any BAT equipment or procedure.
13. The Company will furnish, install, own and maintain metering equipment to measure the kilowatt-hours (kWh) delivered by the Company to the Customer and/or received by the Company from the Customer, and if applicable, the kilowatt demand and time of use.

14. The Customer agrees to permit the Company, if it should so choose, to inspect the BAT and its component equipment and the documents necessary to insure compliance with various sections of this Agreement, both before and after the Customer's BAT goes into service, and to witness the initial testing of the Customer's BAT equipment and protective apparatus.
15. Once the Company has received the Customer's written documentation that the requirements of this Agreement have been met and the correct operation of the manual switch has been demonstrated to a Company representative, the Company will within, 10 business days, send written notice that parallel operation of the BAT may commence.
16. The Customer shall not have the right to assign its benefits or obligations under this Agreement without the Company's prior written consent and such consent shall not be unreasonably withheld. The Company may require the assignee to sign a new copy of this Agreement, agreeing to all its requirements and paying the applicable processing charge.
17. In executing this Agreement, the Company does not, nor should it be construed to extend its credit or financial support for the benefit of any third parties lending money to or having other transactions with Customer or any assignee of this Agreement.
18. This Agreement shall be governed by and construed and enforced in accordance with the laws, rules and regulations of the State of Florida and the Company's Tariff as it may be modified, changed, or amended from time to time.
19. The Company's Tariff and associated technical terms and abbreviations, general rules and regulations and standard electric service requirements (as may be applicable) are incorporated by reference.
20. At the Customer's expense, within 10 working days following the termination of this Agreement, the Customer shall permanently isolate the BAT and any associated equipment from the Company's electric supply system, notify the Company that the isolation is complete, allow the Company's inspection of the isolation and coordinate with the Company for return of the Company's lock.
21. This Agreement supersedes all previous agreements and representations either written or verbal heretofore made between the Company 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.

22. This Agreement shall inure to the benefit of and be binding upon the respective heirs, legal representatives, successors and assigns of the parties hereto. If this agreement is assigned, the Customer shall notify the Company prior to the effective date of the assignment.

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

SIGNATURE: \_\_\_\_\_ CUSTOMER  
By: \_\_\_\_\_  
\_\_\_\_\_  
Its: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_ COMPANY  
By: \_\_\_\_\_  
\_\_\_\_\_  
Its: \_\_\_\_\_