

AUSLEY McMULLEN

ATTORNEYS AND COUNSELORS AT LAW

123 SOUTH CALHOUN STREET
P.O. BOX 391 (ZIP 32302)
TALLAHASSEE, FLORIDA 32301
(850) 224-9115 FAX (850) 222-7560

December 27, 2017

VIA: ELECTRONIC FILING

Ms. Carlotta S. Stauffer
Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

Re: Amended Proposed Original Sheet No. 8.1150
FPSC Docket No. 20170258-EQ

Dear Ms. Stauffer:

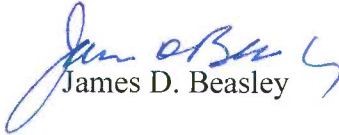
This will follow up and amend Tampa Electric Company's December 5, 2017 Petition in the above docket. Attached hereto in both legislative and clean formats is an amended Original Sheet No. 8.1150 which we ask that you substitute in place of the version that accompanied Tampa Electric's December 5, 2017 filing.

After the initial filing was made, Tampa Electric continued having discussions with the battery manufacturer about the language in the interconnection agreement. It became clear through discussions that the language in the proposed interconnection was not clear enough to describe the obligations for disconnection when electric service from Tampa Electric is interrupted compared to battery operations when electric service is being provided by Tampa Electric.

Upon interruption of Tampa Electric service, the obligation is clearly not for the interconnected customer to export to the grid in excess of 100 milliseconds. However, when Tampa Electric services operating in parallel with the battery, there may be very short periods of time (in seconds) where the battery may export some power to the utility as the battery control systems react to changes in customer load. These inadvertent and short periods of export can be safely managed by the utility grid. The changes to Original Sheet No. 8.1150 reflect this clarification and this letter will serve as an amendment to the company's Petition to reflect that change.

Thank you for your assistance in connection with this matter.

Sincerely,


James D. Beasley

JDB/pp
Attachments

**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.

Continued to Sheet No. 8.1155

**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.

Continued to Sheet No. 8.1155