

From: [Alcoz, Nate J.](#)
To: [Mulkey, Cindy](#); [Senn, Nate](#)
Cc: [SCO](#); [Bates Jones, Kelsey A.](#)
Subject: TECO Big Bend Batter Energy Storage System (BESS) Amendment Request
Date: Tuesday, January 6, 2026 11:06:05 AM
Attachments: [BB3 BESS ERP App Section A.pdf](#)
[BB 3 BESS ERP App Section E.pdf](#)

EXTERNAL MESSAGE

This email originated outside of DEP. Please use caution when opening attachments, clicking links, or responding to this email.

Dear Ms. Mulkey and Mr. Senn:

Pursuant to Section 62-17.205, Florida Administrative Code (F.A.C), Tampa Electric Company is submitting a request for a post certification amendment to its Site Certification Application for Big Bend Station in Hillsborough County, Florida. This post certification request specifically addresses the installation and operation of a new Big Bend 3 Battery Energy Storage System (BB3 BESS). As depicted in the attached figures, the new BB 3 BESS near the southeast intersection of Big Bend Road and Wyandotte Road.

The construction and use of the new BB 3 BESS tank will not alter any of the existing conditions of certification for Big Bend. The location of the new BB3 BESS will be at the former Big Bend I Economizer Ash Pond that has been closed out. The BB3 BESS facility covers approximately 12 acres and includes 67 battery containers capable of charging and discharging up to 75 megawatts (MW) alternating current (MW_{AC}) of electricity. The facility is planned for commercial operation in December 2027.

The BB3 BESS project will provide Tampa Electric with a cost-effective option to meet reserve margin requirements as well as provide fuel savings to customers. The fuel savings are generated by the capability of the batteries to shift generation from lower cost periods to higher cost periods. These fuel savings make it additionally advantageous to customers to construct these projects earlier than the reserve margin need would dictate.

The project area for the BB3 BESS will be approximately 470 feet wide and 1,110 feet long (521,700 square feet). The BB3 BESS area will be approximately 340 feet wide and 685 feet long (232,900 square feet or ± 5.35 acres). The system equipment will consist of several metal storage containers for the lithium-ion batteries, inverters, and other electrical system components. The battery storage power capacity of the system will be 75 MW_{AC} . The energy capacity of the system will be 300 MWh. The storage containers will be placed on pads to elevate the units approximately 0.5 ft above ground surface and above the 100-year, 24-hour floodplain elevation. The equipment will be delivered to the site by trucks using the existing access road from Big Bend Rd.

Based on the site location and proposed design and construction plans, the BB3 BESS construction and operation will not impact any wetland areas on the site. All impervious areas will be mitigated through the construction of a Stormwater Treatment Area located on the east side of the project and prior to discharging from the site. Stormwater runoff in the area is currently directed to a ditch on the east side of the project area which then discharges to the west through a ditch along the southside of Big Bend Road. No environmental impacts are expected due to construction and

operation of the BB3 BESS.

Due to the size of the documents, TEC requests the Department provide us with a link to upload the pertinent documents. Tampa Electric looks forward to working with you on this post certification amendment. Should you have any questions, please feel free to contact me by telephone at 813-293-0649 or via email at ajalcoz@tecoenergy.com.

Sincerely,
Adriano "Nate" Alcoz
Manager, Environmental Permitting & Tanks
Environmental Services Department
Office 813-228-4843
Mobile 813-293-0649
ajalcoz@tecoenergy.com



NOTICE: This email is intended only for the individual(s) to whom it is addressed and may contain confidential information. If you have received this email by mistake, please notify the sender immediately, delete this email from your system and do not copy or disclose it to anyone else. Although we take precautions to protect against viruses, we advise you to take your own precautions to protect against viruses as we accept no liability for any which remain.