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March 4, 2021

VIA: ELECTRONIC FILING

Mr. Adam J. Teitzman
Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

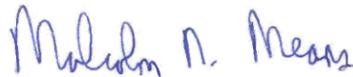
In re: Petition of Tampa Electric Company for approval of Direct Current Microgrid
Pilot Program; Docket No. 20200234-EI;

Dear Mr. Teitzman:

Attached for filing in the above docket are Tampa Electric Company's **revised** responses to Staff's Fourth Data Request Nos. 1.d, 3 and 4, propounded on February 10, 2021.

Thank you for your assistance in connection with this matter.

Sincerely,



Malcolm N. Means

MNM/bmp
Attachment

cc: All Parties of Record (w/attachment)
Suzanne Brownless, Special Counsel, FPSC (w/attachment)

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20200234-EI
STAFF'S FOURTH DATA REQUEST
REQUEST NO. 1
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FILED: FEBRUARY 24, 2021
REVISED: MARCH 4, 2021**

1. Please refer to TECO's response to Staff's 2nd Data Request, No. 1.b. for the questions below:

- a. Please explain when TECO will petition the Commission for approval of the identified new depreciation plant accounts/subaccounts.
- b. Please identify the estimated total amount of the Pilot Program-related plant additions that will be booked to the new accounts.
- c. Please clarify whether the plant investment discussed in Question 1.b is included in the Revenue Requirement Table, shown on TECO's response to Staff's 1st Data Request, No. 2, page 2 of 2.
- d. If your response to Question 1.c is affirmative, please explain which new account's investment is related to which category of the revenue requirement.
- e. If your response to Question 1.c is negative, please explain why the new account-related plant investments are not included in the revenue requirement analysis.

A. a. Upon approval of this pilot program, the company will be submitting a request to initiate new depreciation plant accounts and depreciation rates.

b.

348.98	DC Microgrid/CEP Batteries	\$	52,965
343.98	DC Microgrid/Generator		140,961
362.00	Station Equipment		312,378
366.00	Underground Conduit		63,046
367.00	Underground Conductors and Devices		12,932
368.00	Line Transformers		900,258
397.25	Fiber		67,217
343.98	DC Microgrid/Solar Panels		440,242
			\$ 1,990,000

c. Yes, the plant investment discussed in the response to Data Request No. 1.b is included in the Revenue Requirement Table.

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- d. The new account's investment is related to the revised Revenue Requirement Table categories: Account 343.98 (solar) is included in Solar, account 368.00 is included in CEP Batteries, account 348.98 is included in CEP Batteries, account 343.98 (gas generation) is included in CEP Gas Generation, account 362.00 is included in CEP Other, account 366.00 is included in DC Infrastructure Conduit, account 367.00 is included in DC Infrastructure Conductor and account 397.25 is included in Fiber.
- e. Not Applicable.

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- 3.** Please refer to TECO's response to Staff's 2nd Data Request, No. 5.a, where TECO identified four lines of plant cost associated with the DC Equipment.
 - a. Please clarify whether the plant costs identified are included in the Revenue Requirement Table, shown on TECO's Response to Staff's 1st Data Request, No. 2, page 2 of 2.
 - b. If your response to Question 3.a is affirmative, please explain which line of the plant cost is related to which category of the revenue requirement.
 - c. If your response to Question 3.a is negative, please explain why these plant costs are not included in the revenue requirement analysis.

- A.**
 - a. These costs are included in the revised Revenue Requirement Table.
 - b. The investments for the four lines of plant cost associated with the DC equipment are reflected in the revised Revenue Requirement Table categories. Account 368.00 is included in Block Boxes, account 362.00 is included in CEP Other, account 366.00 is included in DC Infrastructure Conduit and account 397.25 is included in Fiber.
 - c. Not Applicable.

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4. Please refer to TECO's response to Staff's First Data Request No. 2. Is it correct that the revenue requirements for the DC conduit and conductor are not included "because that equipment is provided by Emera Technologies?"
- a. If your response is negative, please explain why the DC conduit and conductor-related costs are not included in the revenue requirement analysis.
 - b. If your response is affirmative, please clarify:
 - (i) Whether any portion of the costs resulting from the Emera Technologies-provided DC conduit and conductor will eventually be paid by TECO's customers.
 - (ii) The relationship, if any, between the Emera Technologies-provided DC conduit and conductor and the conduit and conductors discussed in TECO's response to Staff's 2nd Data Request, No. 5.a. of which the depreciation expense will be booked to Accounts 366 - Underground Conduit and 367 - Underground Conductors.
- A.
- a. The DC conduit and conductor-related costs are included in the revised Revenue Requirement Table.
 - b. See answer to a.
 - (i) Yes, these costs were included in the revenue requirement for the DC microgrid and to the extent that the microgrid pilot costs are recovered from customers in the future, these costs should be included in that recovery.
 - (ii) The DC conduit and conductors identified in Tampa Electric's response to Staff's 1st Data Request, No.2 are those assets supplied and installed by Emera Technologies within the envelop of the Block Energy System. The conduit and conductors discussed in Tampa Electric's response to Staff's 2nd Data Request, No. 5a are those assets supplied and installed by Tampa Electric to provide a means for the AC supply interface to the Block Energy System grid tie transformer.