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STATE OF FLORIDA



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Public Service Commission

November 19, 2025

STAFF'S EIGHTH DATA REQUEST *via email*

Malcolm N. Means
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Ausley & McMullen
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RE: Docket No. 20200234-EI – Petition for approval of direct current microgrid pilot program and for variance from or waiver of Rule 25-6.065, F.A.C., by Tampa Electric Company.

Dear Mr. Means:

By this letter, the Commission staff requests that Tampa Electric Company (TECO) provide responses to the following data requests:

Please refer to “TECO’s Microgrid Pilot Final Report”, submitted on October 31, 2025 for the following data requests:

1. Refer to Section I of the BES Performance Results.
 - a. Refer to Table 2. Detail the identified causes of the “Total Time Spent on AC Grid”. As a part of this response, provide of the amount of time (Home-Hours) associated with each identified cause.
 - b. Refer to Table 2. Detail the identified causes of the “Total Time Home Outage”. As a part of this response, provide the amount of time (Home-Hours) associated with each identified cause.

- c. Explain if customers would have service during an ATS Occurrence if TECO's AC Grid was unavailable.
 2. Refer to Section III of the BES Performance Results.
 - a. Please explain the calculation of the net energy reduction on the Company's AC distribution service of 97,752 kWh from BES generation, and associated reduction in AC distribution losses of 5,786 kWh, given the energy produced by the rooftop PV systems and BES NGG are 202,989 kWh (187,212 kWh + 15,777 kWh).
 - b. Detail the amount of energy (kWh) exported by the BES to TECO's AC grid.
 - c. Refer to Table 5. Identify and quantify (in terms of kWh) each source of energy loss included in the variance between the Total Energy Produced/Supplied and the Total Energy Consumption for the pilot program. As a part of this response, explain if the Company believes these energy loss sources were expected or unexpected.
 - d. Provide a comparison of the amount of losses that would have occurred on TECO's traditional AC System, identifying and quantifying (in kWh) each source of energy loss.
 - e. Provide a comparison of the amount of losses that would have occurred on TECO's traditional AC System with a Net Metering system, identifying and quantifying (in kWh) each source of energy loss.
 3. Refer to Section III of the BES Performance Results, page 8. Explain the calculation of the 10 percent variation in the solar energy measured with the test components versus the BES controller, including a diagram of the points of measurement. As part of your response, explain what factor(s) could have caused this variation showing increased solar generation.
 - a. Provide a revised version of Table 5 that reflects the calculated percent variation in the reported solar energy.
 - b. Detail the amount of CEP Battery activations from June 7, 2022 to December 31, 2024.
 4. Refer to Section VI of the BES Performance Results.
 - a. Detail the number of Natural Gas Generator (NGG) activations that are associated with the NG Energy Consumption from June 7, 2022 to December 31, 2024.
 - b. Detail the amount of CEP Battery activations from June 7, 2022 to December 31, 2024.

5. Refer to Sections III and VI of the BES Performance Results.
 - a. Explain the difference between values reported for Energy Supplied from BES NGG on Table 5 and the Actual NGG Output on Table 8.
 - b. Provide the resulting capacity factor of the NGG.
6. Refer to Customer Engagement on page 14 and Figure 4. Did TECO's Customer Survey include any question(s) that obtained what amount of additional charges participants would be willing to pay for the Microgrid Program?
7. Refer to Commission Order No. PSC-2021-0237-PAA-EI. The reporting requirements detailed in the Commission Order specify that TECO's final report should include, among other information, both quantitative and qualitative analysis that would compare the cost of providing local distribution service from a DC microgrid to the cost of a standard AC system. Provide a revised version of "TECO's Microgrid Pilot Final Report" that includes a quantitative analysis to satisfy this reporting requirement.

Please file all responses electronically no later than December 9, 2025, through the Commission's website at www.floridapsc.com, by selecting the Clerk's Office tab and Electronic Filing Web Form. *In addition, please email the filed response to discovery-gcl@psc.state.fl.us.*

Please feel free to call me at (850) 413- 6218 if you have any questions.

Sincerely,

/s/ Suzanne Brownless
Suzanne Brownless
Special Counsel

SBr/ds

cc: Office of Commission Clerk