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July 15, 2026

VIA: ELECTRONIC FILING

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

Re: Review of Tampa Electric Company's 2026 Ten-Year Site Plan
Staff's Second Data Request (Nos. 1-6)
Undocketed 20260000-OT

Dear Mr. Teitzman:

Attached for filing are Tampa Electric Company's responses to Staff's Second Data Request (Nos. 1-6) regarding the company's 2026 Ten-Year Site Plan, propounded on June 24, 2026.

Thank you for your assistance in connection with this matter.

Sincerely,

A handwritten signature in blue ink that reads 'Malcolm N. Means'.

Malcolm N. Means

MNM/bml

Attachments

cc: Greg Davis (GDavis@psc.state.fl.us)
Phillip Ellis (PEllis@psc.state.fl.us)
TECO Regulatory Department

**TAMPA ELECTRIC COMPANY
UNDOCKETED: REVIEW OF TYSP'S
STAFF'S SECOND DATA REQUEST
REQUEST NO. 1
BATES PAGE(S): 245
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1. Please identify and list any Department of Energy orders issued since 2023 that the Utility has been subject to. As part of this response, explain how these orders have impacted the Utility's planning or operations, and state whether these impacts are contained within the Utility's 2026 Ten-Year Site Plan (TYSP).

ANSWER:

Tampa Electric has not received any Department of Energy orders since 2023.

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2. Please refer to the Big Bend Unit 4 Modernization project.
- a. Explain why this project was not included in the Utility's 2026 TYSP. As part of this response, explain when TECO's planning shifted to include this project.
 - b. Explain the impact of this project on the Utility's planning and operations. As part of this response, provide revised schedules as appropriate for the TYSP.

ANSWER:

- a. Consistent with Tampa Electric's integrated resource planning process, the company routinely evaluates a variety of resource alternatives to meet forecasted customer demand while maintaining reliability and minimizing overall system costs. At the time the analyses supporting the 2026 TYSP were finalized and the filing was prepared, the potential modernization of Big Bend Unit 4 had not received final approval from the Tampa Electric Board of Directors. Accordingly, the project was not included in the resource plan presented in the 2026 TYSP.

Subsequent to the April 1, 2026 TYSP filing, Tampa Electric's Board of Directors approved the Big Bend Unit 4 Modernization project. Tampa Electric will incorporate the modernization project into its future planning analyses as a resource capable of providing reliable, dispatchable capacity and supporting the company's long-term resource adequacy objectives.

- b. From a planning perspective, including the project will affect the timing, type, and quantity of future resource additions included in Tampa Electric's long-term resource plan. The modernized unit would increase the company's available generating capability, substitute for retired assets, and/or potentially defer or reduce the need for certain future capacity resources that otherwise may have been required to satisfy reliability criteria and forecasted customer demand, and the specific impacts will be determined as the company develops its 2027 TYSP. Including this project will also affect projected generation mix, fuel requirements, production costs, and emissions forecasts reflected in future planning studies.

From an operational perspective, the project will modernize an existing coal and natural gas fired boiler/steam generating unit into a more efficient natural gas fired combined cycle resource. The project is expected to

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improve overall fleet efficiency, lower system heat rates, provide greater operational flexibility, and enhance the company's ability to respond to variations in customer demand.

As requested, updated TYSP schedules are included, as applicable, to reflect changes in generating capability, reserve margins, generation mix, fuel requirements, and resource addition schedules.

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3. Please refer to TECO's 2026 TYSP, Schedule 2.2 Base Case, Column (8), "Total Sales to Ultimate Consumers" and Schedule 2.3, Column (6), "Total Customers," as well as Table 1 below for the following questions:

Table 1. TECO's Projected Growth in Sales & Customer Numbers				
	Total Sales to Ultimate Consumers	Annual Increase	Total Customers	Annual Increase
	(GWh)	(%)		(%)
Year	Sch. 2.2 (8)	Staff Calculated	Sch. 2.3 (6)	Staff Calculated
2023	20,791		834,144	
2024	20,702	-0.43%	849,877	1.89%
2025	20,943	1.17%	861,413	1.36%
2026	20,791	-0.73%	875,292	1.61%
2027	20,946	0.75%	888,832	1.55%
2028	21,079	0.64%	902,194	1.50%
2029	21,221	0.67%	915,169	1.44%
2030	21,404	0.86%	927,668	1.37%
2031	21,579	0.82%	939,731	1.30%
2032	21,769	0.88%	951,314	1.23%
2033	21,986	1.00%	962,381	1.16%
2034	22,204	0.99%	972,924	1.10%
2035	22,441	1.07%	983,056	1.04%

- a. In 2025, TECO achieved a high annual growth rate of 1.17 percent in "Total Sales to Ultimate Consumers," compared to negative 0.43 percent annual growth rate of total sales in 2024. Please explain the reasons behind the high annual growth rate for 2025.
- b. For 2026, TECO projected an annual growth rate of negative 0.73 percent in "Total Sales to Ultimate Consumers" (20,791 GWh in 2026 vs. 20,943 GWh in 2025), which is the lowest annual growth rate for the historical and forecasting periods of the instant TYSP (2016-2035), given that the projected annual growth rate in "Total Average Number of Customers" for 2025 is relatively high compared to other years. Please explain the reasons behind the projected 2026 low annual growth rate in Total Sales to Ultimate Consumers."

ANSWER:

- a. The reason behind the high annual growth rate for Total Sales to Ultimate Consumers for 2025 as compared to 2024 is based on weather. During

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2025, the service area experienced warmer than 2024's actual weather (2.8 percent higher) in terms of cooling degree days and cooler than 2024's actual weather (1.1 percent higher) in terms of heating degree days. In particular, January, February and May of 2025 had higher sales than in 2024 by 6.6 percent, 12.2 percent, and 7.9 percent respectively.

- b. The reason behind the projected 2026 low annual growth rate in Total Sales to Ultimate Consumers is due to a higher comparison base created by stronger growth in the previous period. This moderation reflects the mathematical impact of measuring growth from a larger starting point rather than a contraction in underlying growth.

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4. Referring to TECO's response to Staff's First Data Request, No. 40, and its associated Excel Table File (Data Centers), please describe how the Company's 24 active data center load-related customer accounts were identified.

ANSWER:

Referring to Tampa Electric's response to Staff's First Data Request, No. 40, and its associated Excel table file regarding data centers, the list of small data centers on our system was compiled by key account managers in the Customer Experience department who are assigned business segments to monitor.

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5. Please refer to TECO's response to Staff's Data Request #1, No. 44, and provide more details about how the artificial neural network modelling was employed in the Utility's sales and demand forecasting process.

ANSWER:

We have been using ITRON's MetrixND software for over twenty years to forecast customers, average use, and peak demand. As part of the forecast process, we provide a forecasted system-level hourly load profile for resource planning. We take the monthly output from our models (customers * average use = energy sales), and the peak demand forecast, to scale an hourly load profile.

To create the load profile, we have two neural network models, one for daily energy and one for daily demand and use 'normal' weather to create a shape. The output from these models becomes input to our hourly models. This gives us an annual hourly shape. Then we use another Metrix tool, MetrixLT, to scale the shape we just created, to tie to the monthly energy and peak demand forecast.

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6. Please refer to Schedule 3.2 of TECO's 2026 TYSP, which details TECO's history and forecast of Winter Peak Demand. Please explain the drivers behind TECO's forecasted increase in Total Winter Demand over the forecast period relative to the historical period, most notably the increase from 4,542 MW in 2024/25 to a forecasted 5,429 MW in 2025/26.

ANSWER:

The driver behind Tampa Electric's forecasted increase in Total Winter Demand over the forecast period relative to the historical period, most notably the increase from 4,542 MW in 2024/25 to a forecasted 5,429 MW in 2025/26 is due to the comparison of a forecasted winter peak, based on a planned 31-degree peak day temperature (two weekdays in a row to capture heat buildup) to an actual milder winter peak day during the 2024/25 period where the actual temperature at the time of the peak was 42 degrees.