



May 30, 2025

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 2025 Ten-Year Site Plan
Undocketed 20250000-OT

Dear Mr. Teitzman:

Attached for filing is Tampa Electric Company's response to Staff's Second Data Request (Nos. 1-7), propounded by electronic mail on May 20, 2025.

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): 247-248
FILED: MAY 30, 2025**

1. Please explain any historic trends or other information as requested below in each of the following:
 - a. Growth of customers, by customer type (residential, commercial, industrial) as well as Total Customers, and identify the major factors that contribute to the growth/decline of the trends.
 - b. Average KWh consumption per customer, by customer type (residential, commercial, industrial), and identify the major factors that contribute to the growth/decline of the trends.
 - c. Total Sales (GWh) to Ultimate Customers, and identify the major factors that contribute to the growth/decline of the trends.
 - d. Provide a detailed discussion of how Tampa Electric Company's (TECO) demand-side management program(s) for each customer type impact the observed trends in gigawatt hour sales (Schedule 3.3).

Answer:

- a. **RESIDENTIAL:** The residential sector's growth fluctuation of 2.3 percent during 2022, 1.8 percent in 2023 and reaching 2.0 percent in 2024, reflected upticks in the multi-family sector during both 2022 and 2024. Growth in 2025 is expected to be 1.5 percent. Since its peak in the summer of 2024, the multi-family sector has been moderating. Additionally, customer counts have been on the decline within the mobile home sector after the 2024 hurricanes.

COMMERCIAL: Commercial customer growth, excluding temporary construction services, averaged 1.2 percent in 2024 and is expected to remain at 1.2 percent in 2025. The temporary construction services sector has continued to slow since the 2024 hurricanes.

GOVERNMENTAL: Governmental customer growth increased by 2.5 percent in 2024 and is expected to increase by 1.7 percent in 2025. The increase in growth in 2024 was due to an increase in government housing. Growth is projected to increase at a rate of 0.7 percent over the ten-year forecast horizon.

INDUSTRIAL: Industrial customer growth continued to decline in 2024. The decline is primarily in the smaller manufacturing segment, as well as some continued migration to the commercial sector.

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TOTAL: Total customer growth in 2024 averaged 1.7 percent with the residential class being the engine behind the growth. Growth in 2025 is expected to be 1.5 percent.

- b. **RESIDENTIAL:** Average consumption per customer was higher in 2023 than in 2024, primarily from the record-breaking heat in 2023.

COMMERCIAL: Commercial consumption per customer was slightly higher in 2023 than in 2024, primarily from the record-breaking heat in 2023.

GOVERNMENTAL:

Governmental consumption per customer was slightly higher in 2023 than in 2024, primarily from the record-breaking heat in 2023.

INDUSTRIAL: Average use per customer declined by 1.4 percent in 2024 and is expected to be flat for 2025.

- c. **TOTAL SALES TO ULTIMATE CONSUMERS:** 2024 energy sales were 0.4 percent lower than in 2023. Over the forecast horizon, Energy Sales are expected to increase by less than one percent a year [0.9 percent]. This is below the customer growth rate of 1.4 percent which is primarily due to continued per-customer-kWh declines.
- d. The Company's **demand-side management programs and conservation/energy efficiency programs** are discussed in Chapter II of the 2025 TYSP. Overall, the observed trends in gigawatt hour sales are a reduction to energy sales.

**TAMPA ELECTRIC COMPANY
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2. Please explain the forecasted trends or other information as requested below in each of the following:
- a. Growth of customers, by customer type (residential, commercial, industrial) as well as Total Customers, and identify the major factors (currently and in the forecasted period) that contribute to the growth/decline of the trends.
 - b. Average KWh consumption per customer, by customer type (residential, commercial, industrial), and identify the major factors (currently and in the forecasted period) that contribute to the growth/decline of the trends.
 - c. Total Sales (GWh) to Ultimate Customers, and identify the major factors (currently and in the forecasted period) that contribute to the growth/decline of the trends.

Answer:

- a. **RESIDENTIAL:** Customer growth is expected to increase at an annual average growth rate of 1.5 percent over the Ten-Year Site Plan's forecast horizon. The primary driver of customer growth will be new construction and increasing net in-migration to the service area.
COMMERCIAL: Customers are expected to increase at an annual average growth rate of 1.0 percent over the ten-year forecast horizon.
INDUSTRIAL: The number of industrial accounts is expected to remain relatively flat over the next ten years.
TOTAL: Over the ten-year forecast horizon, customer growth is expected to grow at an average rate of 1.4 percent annually.
- b. **RESIDENTIAL:** Average consumption per customer is expected to decline at an average annual rate of 0.3 percent over the Ten-Year Site Plan's forecast horizon. The primary drivers behind the decline in per-customer usage are increases in appliance efficiencies, lighting efficiencies, energy efficiency in new homes, conservation efforts, and housing mix.
COMMERCIAL: Commercial average use is projected to decrease slightly (0.1 percent a year) over the Ten-Year Site Plan's forecast horizon.
GOVERNMENTAL: Over the forecast horizon, usage is expected to decrease by an average of 0.2 percent.

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INDUSTRIAL: Over the forecast horizon, industrial average usage is expected to remain flat.

- c. TOTAL SALES TO ULTIMATE CONSUMERS:** Over the forecast horizon, energy sales are expected to increase by slightly less than one percent a year [0.9 percent]. This is below the customer growth rate of 1.4 percent which is primarily due to continued per-customer-kWh declines, as well as declines in the phosphate sector as mining continues to move south and out of Tampa Electric's service territory.

**TAMPA ELECTRIC COMPANY
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3. For the values in Schedules 3.1, 3.2, and 3.3 [columns (5) through (9)], please state whether the values represent (i) only the new savings achieved in the year shown; (ii) cumulative savings that include both new savings for the year in question; (iii) carryover savings from prior years that remain recognized as achieved or achievable on the system; or, (iv) another definition not previously described above. If another definition is used, please explain the methodology used. A separate response for each schedule (Schedules 3.1, 3.2, and 3.3) is requested.

Answer:

For the values in Schedules 3.1, 3.2, and 3.3 [columns (5) through (9)], the values represent cumulative savings that includes both carryover savings from prior years and new savings for the year in question.

**TAMPA ELECTRIC COMPANY
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4. Refer to Schedule 3.1, History and Forecast of Summer Peak Demand (MW), on page 52. Also consider Order No. PSC-2024-0430-FOF-EG, issued September 20, 2024, in Docket No. 20240014-EG, In re: Commission review of numeric conservation goals (Tampa Electric Company), Final Order Approving Numeric Conservation Goals for Tampa Electric Company, Attachment A. Please explain whether and how the forecasted demand reductions shown in Attachment A, at pages 4-5, of the Order are reflected in Schedule 3.1, Columns 6-9. If they are not reflected, please explain why not for each series.

Answer:

The forecasted demand reductions shown on pages 4 and 5 of Attachment A, reflect the ten-year DSM goals filed every five years, and will not tie to the Ten-Year Site Plan demand reductions. The savings amounts reflected on the DSM and Conservation-related portions of Schedules 3.1, 3.2 and 3.3 reflect cumulative savings from all programs offered since 1981, and do not include any new proposed program modifications or programs that were recently filed within Docket No. 20240014-EG due to the timing of the preparation of the annual forecast compared to the FEECA filing.

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5. Refer to Schedule 3.3, History and Forecast of Annual Net Energy for Load (GWh), on page 58, and Order No. PSC-2024-0430-FOF-EG, Final Order Approving Numeric Conservation Goals for Tampa Electric Company, specifically Attachment A, pages 4-5. Column 3 of the schedule reflects a Residential Conservation forecast of 41 GWh in 2025, whereas the Goal Approval Order identifies a value of 24.8 GWh for that year. Please reconcile these values and include any specific programs or initiatives expected to contribute to the higher forecast in Schedule 3.3.

Answer:

The forecasted energy reductions shown on pages 4 and 5 of Attachment A, reflect the ten-year DSM goals filed every five years, and will not tie to the Ten-Year Site Plan energy reductions. The savings amounts reflected on the DSM and Conservation-related portions of Schedules 3.3 reflect cumulative savings from all programs offered since 1981, and do not include any new proposed program modifications or programs that were recently filed within Docket No. 20240014-EG due to the timing of the preparation of the annual forecast compared to the FEECA filing.

The two projections were prepared for different purposes, at different time frames, using different DSM portfolios so they cannot be reconciled. The Ten-Year Site Plan utilized the 2015-2024 DSM goals since the new DSM goals had not yet been approved.

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- 6.** Please refer to TECO's 2025 Ten-Year Site Plan, Schedule 2.2, Column (8) "Total Sales to Ultimate Customers" for the questions below:
- a. Please explain why TECO's actual 2024 Total Sales are 0.43 percent lower than its actual 2023 Total Sales (20,702 GWh vs. 20,791 GWh).
 - b. Please explain why TECO projected that its 2025 Total Sales would be 0.84 percent lower than its actual 2024 Total Sales (20,528 GWh vs. 20,702 GWh).

Answer:

- a. Refer to "Review of TYSP's Staff's Second Data Request, Request No. 2", answer c.
- b. Refer to "Review of TYSP's Staff's Second Data Request, Request No. 2", answer c.

**TAMPA ELECTRIC COMPANY
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7. Referring to TECO's 2025 and 2024 TYSP responses to Staff's Data Requests #1, pictured below, please explain the cause(s) for the reduction in PEV counts and increases in PEV and DCFC charging stations over the forecast horizon in TECO's 2025 TYSP compared to TECO's 2024 TYSP.

TECO 2025 TYSP EV Forecast

Year	Number of PEVs	Number of Public PEV Charging Stations	Number of Public DCFC PEV Charging Stations	Cumulative Impact of PEVs		
				Summer Demand	Winter Demand	Annual Energy
				(MW)	(MW)	(GWh)
2025	42,265	943	449	54.8	12.6	272.5
2026	54,032	1,089	461	65.4	16.1	331.9
2027	68,759	1,247	528	78.6	20.4	406.1
2028	87,054	1,417	599	95.2	25.7	499.2
2029	107,221	1,597	676	113.8	31.7	602.7
2030	129,098	1,789	757	133.9	38.1	714.6
2031	152,044	1,993	843	154.9	44.8	831.8
2032	176,195	2,208	934	177.0	51.9	955.1
2033	199,073	2,434	1,030	197.9	58.6	1,072.1
2034	223,074	2,672	1,131	219.9	65.6	1,194.6
Notes						
(Include Notes Here)						

TECO 2024 TYSP EV Forecast

Year	Number of PEVs	Number of Public PEV Charging Stations	Number of Public DCFC PEV Charging Stations.	Cumulative Impact of PEVs		
				Summer Demand	Winter Demand	Annual Energy
				(MW)	(MW)	(GWh)
2024	47,374	710	159	50.1	16.8	263.8
2025	67,251	810	181	66.3	21.3	352.8
2026	89,559	916	204	84.9	26.9	454.2
2027	114,145	1028	230	105.0	32.7	564.9
2028	140,948	1147	256	126.5	38.8	683.2
2029	169,854	1272	284	149.6	45.3	810.4
2030	200,304	1404	314	173.8	52.0	944.2
2031	231,346	1542	344	198.5	58.9	1,080.8
2032	263,294	1687	377	224.1	66.1	1,221.9
2033	295,772	1838	411	250.1	73.4	1,365.5
Notes						
Cumulative counts provided.						
The number of public "DCFC PEV charging stations" is a subset of the number of Public EV Charging Stations.						
Forecast ties to TYSP filed April 1, 2024.						

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Answer:

Referring to TECO's 2025 and 2024 TYSP responses to Staff's Data Requests #1, the causes for the reduction in PEV counts was due to slower growth in actual EV counts for the year 2023 and the forecast for EV sales growth reflected slower growth over the ten-year horizon than the prior year's forecast.

As for the increases in PEV and DCFC charging stations over the forecast horizon in TECO's 2025 TYSP compared to TECO's 2024 TYSP, there was stronger growth in 2023 for installed public charging stations so the regression model, when updated with one more year of actuals, picked up the stronger growth.