May 23, 2025

Office of Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850
Attn: Adam Teitzman

Re: 2025 Ten Year Site Plan – Staff's Data Request #3

Dear Mr. Teitzman,

Pursuant to Section 186.801, Florida Statutes and Rules 25-22.070-072 of Florida Administrative Code, Lakeland Electric submits its responses to Staff's Data Request #3, in relation to Lakeland Electric's 2025 Ten Year Site Plan via the Commissions electronic platform.

If you have questions please contact me at 863-834-6595.

Sincerely,

/s/Cynthia Clemmons

Cynthia Clemmons
City of Lakeland
Manager of Legislative and Regulatory Relations
Lakeland Electric
863-834-6595 Work
Cindy.Clemmons@LakelandElectric.com
501 E Lemon St.
Lakeland, Florida 33801

Enclosure

Review of the 2025 Ten-Year Site Plans for Florida's Electric Utilities
Staff's Data Request #3 (LAK)

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.
        i. 2013 – 2024 average growth:
            1. Residential 1.5%
            2. Commercial 1.6%
            3. Industrial 0%
            4. Total 1.4%
        ii. Average growth of 1.5% due to addition of homes and customers to service area.

    Historically, LE has experienced a steady growth in residential and commercial customers due to rise in populations in the Lakeland area. Industrial Customers are relatively stable with most industry being manufacturing or distribution centers.

    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.
        i. 2013 – 2024 average consumption by customer
            1. Residential 13.92 MWh
            2. Commercial 63.10 MWh
            3. Industrial 8,859.48 MWh
            4. Total 23.54 MWh
        ii. Residential average electricity use has slightly increased as more customers continue to work from home, leading to higher daytime energy consumption—an ongoing trend that emerged following the COVID-19 pandemic.
        iii. The slight decrease in Commercial and Industrial average energy use is attributed to energy efficient building and efficient appliances.
        iv. The average use in overall has declined or remained flat due to increased energy efficiency of appliances and buildings. Moreover, customer's roof top solar contributed to offset their energy usage from the grid.

    c. Total Sales (GWh) to Ultimate Customers and identify the major factors that contribute to the growth/decline of the trends.
        i. The average total sales growth for the period of 2013-2024 is 1.57%. The factors contributing to the increase is the growth in customers because of population growth in the area. Weather also plays a role in the sales, as the summers over the past few years have been warmer.

    d. Provide a detailed discussion of how Lakeland Electric's (LAK) demand-side management program(s) for each customer type impacts the observed trends in gigawatt hour sales (Schedule 3.3).

Lakeland Electric does not currently operate a formal demand response program, and accordingly, demand responses are not contributing on energy consumption pattern. However, the utility has implemented several energy efficiency initiatives—including rebate programs for energy-efficient appliances and heat pumps, as well as free residential energy audit services. These programs have contributed positively to a reduction in average energy consumption in all sectors, by encouraging more efficient energy use and supporting customer awareness of conservation opportunities.

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.
      i. Average growth for period of 2025-2043
         1. Residential 1.14%
         2. Commercial 1.15%
         3. Industrial 0.93%
         4. Total 1.07%
      ii. Major factors contributing to customer growth are more homes being added to the service area with the rapid population growth and active residential construction. Continued modest growth in commercial sector is attributed to the growth in retail, service and hospitality.

   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.
      i. Average MWh per customer forecast for 2025-2034
         1. Residential 13.85 MWh
         2. Commercial 59.30 MWh
         3. Industrial 8,429.90 MWh
         4. Total 22.81 MWh
      ii. Factors contributing to total decline in average use is appliances efficiency improvement and new homes being built to be more efficient.

   c. Total Sales (GWh) to Ultimate Customers, identify the major factors (currently and in the forecasted period) that contribute to the growth/decline of the trends.
      i. The total sales for 2025-2035 is forecasted to increase about 0.99%.
      ii. Factors contributing to growth of sales are continuous population increase and economic development. Also contributing to the growth is the warmer weather expected.

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3. Please refer to LAK's 2025 Ten-Year Site Plan, Schedule 2.2, Column (8) "Total Sales to Ultimate Customers" and explain why LAK's actual 2024 Total Sales were higher than its actual 2023 Total Sales (3,356 GWh vs. 3,311 GWh, or 1.36 percent annual increase).

    a. LAK's actual sales were higher in 2024 than 2023 even if 2023 was warmer than 2024. The area experienced more economic activities, with new residential homes, businesses and industrial facilities. This economic growth resulted in increased energy demands, particularly in residential and commercial sectors.