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June 20, 2023

Greg Davis
Florida Public Service Commission Engineering
Specialist, Division of Engineering
2540 Shumard Oak Blvd
Tallahassee, Florida 32399-0850

Subject: Orlando Utilities Commission Responses to Staff's Review of the 2023 Ten-Year Site Plan - Data Request # 2

Dear Mr. Davis

Enclosed please find the Orlando Utilities Commission (OUC) responses to the subject Data Request #2, which are being submitted by nFront Consulting on behalf of OUC.

If you have any questions about these responses, please do not hesitate to contact me.

Respectfully submitted,

/s/ *Bradley Kushner*

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- 1. Referring to OUC's 2023 Ten-Year Site Plan (TYSP), Schedules 2.1 and 2.2, please explain how OUC derived its forecasted "Average KWH Consumption Per Customer" for each of the Rural & Residential, Commercial and Industrial Classes.**

OUC Response:

The forecast electric sales for Rural & Residential customers are forecast on an Average kWh Consumption per Customer basis for both the Orlando and St. Cloud service territories. These amounts are multiplied by the respective service territory customer forecast to derive the forecast sales by service territory. The data in Schedule 2.1 represents the combination of the two service territories.

The sales to the Commercial class are not forecast on an Average kWh Consumption per Customer basis. Instead, the number of customers is forecasted separately for the Orlando and St. Cloud service territories as are the forecasted sales. The Commercial Average kWh Consumption per Customer shown in Schedule 2.1 represents these total forecasted Commercial sales for the two service territories divided by the total forecasted Commercial customers for the two service territories.

The sales to the Industrial class are also not forecast on an Average kWh Consumption per Customer basis. Instead, the number of customers is forecasted separately for the Orlando and St. Cloud service territories as are the forecasted sales. The Industrial Average kWh Consumption per Customer shown in Schedule 2.2 represents these total forecasted Industrial sales for the two service territories divided by the total forecasted Industrial customers for the two service territories.

- 2. If Schedules 2.1 and 2.2 do not include the incremental impact of utility conservation programs on forecasted "GWh" or "Average kWh Consumption per Customer" for each of the Rural & Residential, Commercial, and Industrial Classes, please explain OUC's rationale for not including such impacts. Also, explain what impact the exclusion of such conservation has on the various forecasts appearing in these schedules.**

OUC Response:

The forecast provided by OUC for Schedules 2.1 and 2.2 includes assumptions for appliance efficiency and saturation related to heating, cooling, and other electric load. These assumptions capture historical and projected changes in codes and standards and are used as inputs to the statistically adjusted end-use ("SAE") multi-regression modeling technique developed by Itron, Inc. Additionally, the multi-regression models also capture the impacts of Conservation above the requirements of the codes and standards. While the forecast takes into account the total Conservation impacts it does not explicitly differentiate between what is required by changes in codes and standards and Conservation impacts in excess of the requirements.

- 3. Please refer to OUC's 2023 TYSP, Schedules 2.1 and 2.2 "History and Forecast of Energy Consumption and Number of Customers By Customer Class" for the questions below:**
 - a. Please explain how the forecasted amounts of the "Average KWH Consumption Per Customer" were derived for each of the residential, commercial and industrial classes.**

OUC Response:

Please see OUC’s response to Question No. 1 above.

- b. As show in Table 1 below, OUC projected that the [2023] “Average KWH Consumption Per Customer” will be lower than both the actual amount experienced in 2022 and the projected amounts for 2024 and 2025 for each of the residential, commercial and industrial classes. Please explain the specific cause(s) or reason(s) behind this projected reduction.**

Year	Residential	Commercial	Industrial
	KWh	KWh	KWh
2022	11,851	17,285	697,124
2023	10,971	16,797	691,488
2024	11,067	16,866	695,799
2025	10,988	16,834	705,088

Source: OUC's 2023 TYSP, Schedules 2.1 and 2.2

OUC Response:

The 2022 actual Average Energy Consumption per Customer for the Residential, Commercial and Industrial classes are higher than the 2023 forecast principally due to a greater number of cooling degree days in 2022 than the normal amounts assumed in the forecasts for 2023.

The 2024 and 2025 Average Energy Consumption per Customer forecasts for the Residential, Commercial, and Industrial classes are higher than the 2023 forecasts principally due to a projected improvement in economic conditions. In addition, the Industrial Average Energy Consumption per Customer forecasts for 2024 and 2025 is further higher than the 2023 forecast due to several large customer additions.