June 29, 2022

Donald Phillips
Florida Public Service Commission
2540 Shumard Oak Blvd Tallahassee,
Florida 32399-0688

Subject: Staff's Third Data Request, Orlando Utilities Commission 2022 Ten-Year Site Plan

Dear Mr. Phillips,

Attached please find an electronic version (in PDF format) of the Orlando Utilities Commission (OUC) responses to the subject Data Request. The attached responses are being submitted by nFront Consulting on behalf of OUC.

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

Respectfully submitted,

/s/ Bradley Kushner

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Orlando Utilities Commissions (OUC) Responses to Florida Public Service Commission's
Review of the 2022 Ten-Year Site Plans for Florida's Electric Utilities
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1. **Please refer to OUC's 2022 TYSP, Schedules 2.2 and 2.3, History and Forecast of Energy Consumption and Number of Customers. Table 1 and Figure 1 below indicate that OUC has forecasted that while its customer number will increase steadily through the forecast horizon, the growth of its retail sales will experience a reduction in 2024 then significantly increase again in 2025. Please explain the reason or cause for this projection.**

Table 1: OUC's History and Forecast of Energy Consumption and Number of Customers						
Data Source:	Schedule 2.2, column (8)			Schedule 2.3, column (6)		
	Total Sales to Ultimate Customers			Total No. of Customers		
Year	GWH	Annual Increased		No.	Annual Increased	
		GWH	(%)		No.	(%)
2012	5,916			213,325		
2013	6,025	109	1.84%	214,758	1,433	0.67%
2014	6,191	166	2.76%	219,272	4,514	2.10%
2015	6,537	346	5.59%	225,104	5,832	2.66%
2016	6,601	64	0.98%	231,226	6,122	2.72%
2017	6,568	-33	-0.50%	237,121	5,895	2.55%
2018	6,769	201	3.06%	241,628	4,507	1.90%
2019	6,823	54	0.79%	247,443	5,815	2.41%
2020	6,740	-83	-1.22%	253,448	6,005	2.43%
2021	6,807	67	1.00%	261,045	7,597	3.00%
2022	6,892	85	1.25%	268,141	7,096	2.72%
2023	7,007	115	1.67%	274,174	6,033	2.25%
2024	*7,101*	*94*	*1.34%*	280,247	6,073	2.22%
2025	*7,356*	*255*	*3.59%*	286,494	6,247	2.23%
2026	7,492	136	1.85%	292,969	6,475	2.26%
2027	7,632	140	1.87%	299,390	6,421	2.19%
2028	7,776	144	1.89%	305,780	6,390	2.13%
2029	7,925	149	1.92%	312,223	6,443	2.11%
2030	8,055	130	1.65%	318,756	6,533	2.09%
2031	8,195	140	1.74%	325,275	6,519	2.05%
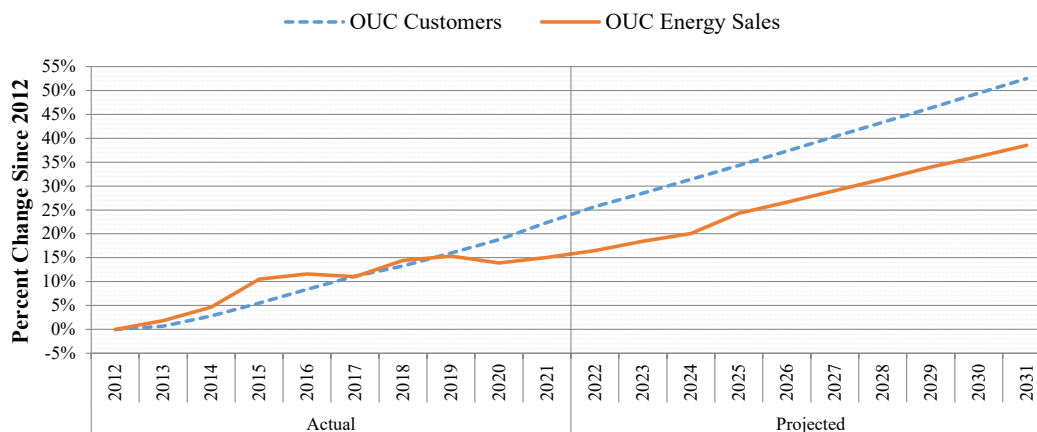
Figure 1: OUC's Growth in Customers and Retail Sales

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OUC Response:
The inconsistent growth rates in retail sales for 2024 and 2025 are attributable to large load additions at three customer locations. The addition in 2023 of Orlando International Airport's new Terminal C, a new hospital tower building, and back of house operations at Universal's new Epic Universe theme park caused the 115 GWh retail sales growth for 2023 to exceed the 94 GWh retail sales growth in 2024. Universal's new Epic Universe theme park is projected to open in 2025 and is the driver for the 255 GWh retail sales growth in 2025 to exceed the growth in 2024.

2. **Please cite and identify any sources that support OUC's LDV's and HDV's electrification impact forecast methodology.**

   OUC Response:
   OUC requested the PSC provide clarifications related to what is being requested in this question, and the PSC provided the following:

   1) Was the 12,000 miles per year assumption also based on estimates that were provided by Tesla for the Tesla models?
   and
   2) Were the same mileage and energy assumptions used for Heavy-duty vehicles in OUC's HDV forecast?

   OUC's responses to the clarifications provided by the PSC are presented below:
   1) The 12,000 miles per year assumption was not sourced from Tesla. This is an estimate based on average miles a car is driven per year in Florida.
   2) No, the same assumptions were not used. The heavy-duty forecast was completed by Siemens as part of OUC's EIRP completed within the past two years.

3. **Does OUC have any plans to incorporate other PEV forecasts in future TYSP's, such as those requested in Question 20 of Staff's First Data Request?**

   OUC Response:
   OUC is currently gathering quarterly EV and PHEV EV adoption rates for the state of Florida. It is our intent to use this data along with predictive analytics to determine the right locations and numbers of DCFC to promote EV adoption. OUC intends to analyze other high density EV states and cities to compare the ratio of chargers to EVs within OUC's service territory.