



Dianne M. Triplett  
DEPUTY GENERAL COUNSEL

July 25, 2022

**VIA ELECTRONIC FILING**

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

*Re: Duke Energy Florida, LLC's Load Research Sample Plan; Undocketed*

Dear Mr. Teitzman:

Pursuant to Rule 25-6.0437, F.A.C, on behalf of Duke Energy Florida, LLC ("DEF"), please find enclosed for review and approval, DEF's Load Research Sample Plan. The load research sampling period will be April 1, 2023 through March 31, 2024. In accordance with Rule 25-6.0437 F.A.C, the final load research report will be filed on or before July 31, 2024. Please notify me at your earliest convenience of the results of Staff's review of the plan to allow time for implementation.

Thank you for your assistance in this matter. Please feel free to call me at (727) 820-4692 should you have any questions concerning this filing.

Respectfully,

*s/ Dianne M. Triplett*

Dianne M. Triplett

DMT/mw  
Attachment

cc: Judy G. Harlow ([jharlow@psc.state.fl.us](mailto:jharlow@psc.state.fl.us)), Cecilia Galloway ([cgallowa@psc.stat.fl.us](mailto:cgallowa@psc.stat.fl.us)), and William McNulty ([bmcnulty@psc.state.fl.us](mailto:bmcnulty@psc.state.fl.us)) -FPSC

**DUKE ENERGY FLORIDA, LLC's ("DEF")**  
**LOAD RESEARCH SAMPLING PLAN**

**FOREWORD**

The following load research sampling plan is being submitted by DEF in compliance with Rule 25-6.0437, Florida Administrative Code ("F.A.C").

Section 3 of the Rule specifies that the plan shall provide for sampling all rate classes that account for more than one percent of a utility's annual retail sales. It also specifies that the sampling plan be designed to provide estimates of the averages of the 12 monthly coincident peaks for each rate class within plus or minus 10% at the 90% confidence level. The sampling plan shall also be designed to provide estimates of the summer and winter peak demands for each rate class within plus or minus 10% at the 90% confidence level, except for the General Service Non-Demand rate class which shall be designed to provide estimates of the summer and winter peak demands within plus or minus 15% at the 90% confidence level.

**SAMPLE PLAN**

DEF completed deployment of AMI meters for 1.9 million customers in the spring of 2021. Approximately 2700 meters do not provide interval data, largely due to customers that have opted out of AMI metering. As a result, interval data is available for 99.86% of the population. Therefore, in lieu of statistically designed samples, all available interval data for the population will be used for the Load Research Study.

**STUDY PERIOD**

The proposed study period will be April 1, 2023 – March 31, 2024.

**APPLICABLE RATE CLASSES**

The following table provides the annual retail sales by rate class for DEF for twelve months ending December 2021. The applicable rate classes account for more than one percent of DEF's retail sales.

**PERCENT OF RETAIL SALES BY RATE CLASS**

**12 months ending December 2021**

Rate Class	Percent of Sales
<b>Residential (RS)</b>	<b>62.7</b>
<b>General Service Non-Demand (GS)</b>	<b>7.1</b>
<b>General Service Demand (GSD)</b>	<b>26.2</b>
Curtable (CS)	0.1
<b>Interruptible (IS)</b>	<b>3.0</b>
Firm Standby Service (SS-1)	0.1
Interruptible Standby Service (SS-2)	0.1
Curtable Standby Service (SS-3)	0.1
Lighting	0.6
<b>Total</b>	<b>100</b>

**PROPOSED SAMPLING PLAN**

Interval data from the population will be compiled to provide averages of the 12 monthly coincident peaks and the summer and winter peak demands for each rate class. The AMI data retrieval rate is over 99%. When interval data is unavailable, it will be estimated, therefore, the final reporting will represent 100% of the population for each rate class. Statistics will be provided for the following rate classes, which account for more than one percent of DEF’s annual retail sales:

<b>Rate Class</b>	<b>Population</b>
<b>Residential (RS)</b>	<b>1,684,998</b>
<b>General Service Non-Demand (GS)</b>	<b>148,999</b>
<b>General Service Demand (GSD)</b>	<b>48,543</b>
<b>Interruptible (IS)</b>	<b>163</b>