



Matthew R. Bernier  
ASSOCIATE GENERAL COUNSEL

April 27, 2026

**VIA ELECTRONIC FILING**

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

Re: *Cost of Service Load Research Study*; Undocketed

Dear Mr. Teitzman:

Pursuant to Rule 25-6.0437(7), F.A.C., please find enclosed for filing Duke Energy Florida, LLC's ("DEF") Cost of Service Load Research Study Results for the twelve-month period ending December 31, 2025.

Thank you for your assistance in this matter. Please feel free to call me at (850) 521-1428 should you have any questions concerning this filing.

Respectfully,

/s/ Matthew R. Bernier

Matthew R. Bernier

MRB/mh  
Enclosures

**DUKE ENERGY FLORIDA, LLC (“DEF”)**

**LOAD RESEARCH STUDY RESULTS**

**JANUARY 2025 THROUGH DECEMBER 2025**

**SUBMITTED APRIL 27, 2026**

**FPSC RULE 25-6.0437(7), F.A.C.**

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## **Study Background and Objectives**

The purpose of this study is to meet the requirements of the Cost of Service Load Research Rule, Docket No. 820491-EU, Order No. 13026, adopted as Rule 25-6.0437 (“the Rule”) on February 23, 1984, by the Florida Public Service Commission (“FPSC or “Commission”) and as amended on January 6, 2004.

Section 3 of the Rule requires that all rate classes that account for more than one percent of an investor-owned utility's annual retail sales be sampled and submitted to the Commission. Section 7 of the Rule directs that all investor-owned electric utilities submit this information to the Commission every three years. Per the direction of Section 3, the studies must be designed to provide estimates of the average of the 12 monthly coincident peaks for each rate class within plus or minus 10% relative precision at the 90% confidence level. The samples shall also be designed to provide estimates of the summer and winter peak demands for each rate class within plus or minus 10% relative precision 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% relative precision at the 90% confidence interval.

## **Study Period**

DEF has deployed AMI meters for approximately 2.0 million customers. Therefore, in lieu of statistically designed samples, all available interval data for the population was used for the Load Research Study for the period of January through December 2025. The sample plan was submitted to FPSC Staff on July 23, 2025, with a study period of January 2025 to December 2025.

## Load Research Study Results

Interval data from the population was compiled to provide averages of the 12 monthly coincident peaks and the summer and winter peak demands for each rate class. The data retrieval rate was over 99% for every hour and group. When interval data was unavailable, it was estimated, and therefore, the final reporting represents 100% of the population for each rate class. Statistics are 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>1,792,953</b>
<b>General Service Non-Demand (GS)</b>	<b>120,739</b>
<b>General Service Demand (GSD)</b>	<b>84,169</b>
<b>Interruptible (IS)</b>	<b>171</b>

The winter peak hour occurred on Wednesday, January 22, 2025, at hour ending 7:00 PM, and the summer peak occurred on Tuesday, July 29, 2025, at hour ending 4:00 PM.

Tables 4 – 7 attached hereto contain the class demands for the system peak hour, the class coincident peak hour, and the non-coincident peaks for the Residential, General Service Non-Demand, General Service Demand, and Interruptible Service rate classes for each month and the averages of the twelve-monthly system peaks for all rate classes.

**DUKE ENERGY FLORIDA  
LOAD RESEARCH DATA  
JANUARY 2025 - DECEMBER 2025**

**RESIDENTIAL SERVICE (RS) CLASS**

Month	KWH Usage	Class Coincident Peak			Coincident with System Peak			Non-Coincident Peak
		(MW)	Date	Time	(MW)	Date	Time	(MW)
Jan-25	1,887,980,612	5,332.9	1/22/2025	20:00	5,273.7	<b>1/22/2025</b>	<b>19:00</b>	13,258.7
Feb-25	1,252,408,237	3,361.6	2/21/2025	08:00	3,072.4	2/13/2025	16:00	11,016.1
Mar-25	1,344,885,129	3,689.5	3/31/2025	18:00	3,689.5	3/31/2025	18:00	10,921.6
Apr-25	1,658,472,978	4,653.2	4/27/2025	18:00	4,653.2	4/27/2025	18:00	11,022.5
May-25	2,135,974,794	5,188.9	5/20/2025	19:00	5,142.0	5/20/2025	18:00	11,377.7
Jun-25	2,234,011,229	5,153.8	6/17/2025	18:00	5,153.8	6/17/2025	18:00	11,351.6
Jul-25	2,486,227,278	5,720.8	7/27/2025	18:00	5,266.9	<b>7/29/2025</b>	<b>16:00</b>	11,631.4
Aug-25	2,419,740,227	5,458.3	8/3/2025	18:00	5,361.7	8/5/2025	18:00	11,398.4
Sep-25	2,067,704,799	4,752.9	9/21/2025	18:00	4,610.8	9/24/2025	17:00	11,008.1
Oct-25	1,667,794,749	4,221.0	10/8/2025	18:00	4,221.0	10/8/2025	18:00	10,524.2
Nov-25	1,351,193,972	3,490.4	11/8/2025	17:00	3,474.1	11/8/2025	16:00	11,315.2
Dec-25	1,403,261,495	3,849.0	12/31/2025	09:00	3,849.0	12/31/2025	09:00	11,498.7

**Twelve Coincident Peak Statistics:                    4,480.7**

**Table 4 - RS Class Results**

**DUKE ENERGY FLORIDA  
LOAD RESEARCH DATA  
JANUARY 2025 - DECEMBER 2025**

**GENERAL SERVICE (GS) CLASS**

Month	KWH Usage	Class Coincident Peak			Coincident with System Peak			Non-Coincident Peak
		(MW)	Date	Time	(MW)	Date	Time	(MW)
Jan-25	166,222,496	409.9	1/23/2025	11:00	322.0	<b>1/22/2025</b>	<b>19:00</b>	922.9
Feb-25	140,341,388	379.2	2/13/2025	15:00	362.5	2/13/2025	16:00	818.7
Mar-25	151,602,048	368.3	3/31/2025	15:00	296.4	3/31/2025	18:00	797.7
Apr-25	173,123,821	410.1	4/28/2025	15:00	276.2	4/27/2025	18:00	820.8
May-25	200,226,121	473.6	5/27/2025	15:00	395.2	5/20/2025	18:00	868.6
Jun-25	197,953,206	455.4	6/18/2025	15:00	381.6	6/17/2025	18:00	843.0
Jul-25	213,483,189	498.2	7/29/2025	15:00	483.8	<b>7/29/2025</b>	<b>16:00</b>	858.8
Aug-25	212,793,252	470.2	8/13/2025	15:00	392.6	8/5/2025	18:00	863.6
Sep-25	191,714,620	441.8	9/25/2025	15:00	409.8	9/24/2025	17:00	839.3
Oct-25	168,995,581	399.8	10/8/2025	15:00	334.9	10/8/2025	18:00	776.9
Nov-25	137,961,408	314.9	11/7/2025	14:00	249.7	11/8/2025	16:00	766.2
Dec-25	137,038,919	306.0	12/2/2025	14:00	244.8	12/31/2025	09:00	740.6

**Twelve Coincident Peak Statistics:            345.8**

**Table 5 - GS Class Results**

**DUKE ENERGY FLORIDA  
LOAD RESEARCH DATA  
JANUARY 2025 - DECEMBER 2025**

**GENERAL SERVICE DEMAND (GSD) CLASS**

Month	KWH Usage	Class Coincident Peak			Coincident with System Peak			Non-Coincident Peak
		(MW)	Date	Time	(MW)	Date	Time	(MW)
Jan-25	991,844,677	1,855.3	1/23/2025	11:00	1,656.6	<b>1/22/2025</b>	<b>19:00</b>	2,724.3
Feb-25	931,961,262	2,083.3	2/13/2025	15:00	2,042.6	2/13/2025	16:00	2,692.0
Mar-25	1,000,394,320	2,024.0	3/31/2025	15:00	1,860.6	3/31/2025	18:00	2,653.9
Apr-25	1,092,912,700	2,160.4	4/3/2025	15:00	1,745.9	4/27/2025	18:00	2,805.6
May-25	1,245,588,079	2,377.5	5/20/2025	15:00	2,223.3	5/20/2025	18:00	3,009.2
Jun-25	1,257,530,693	2,333.6	6/9/2025	15:00	2,200.1	6/17/2025	18:00	3,011.4
Jul-25	1,357,512,248	2,509.8	7/28/2025	15:00	2,497.6	<b>7/29/2025</b>	<b>16:00</b>	3,142.3
Aug-25	1,364,765,593	2,483.8	8/15/2025	15:00	2,313.6	8/5/2025	18:00	3,151.4
Sep-25	1,245,211,617	2,349.9	9/25/2025	15:00	2,258.7	9/24/2025	17:00	3,019.8
Oct-25	1,162,642,133	2,258.3	10/8/2025	15:00	2,101.2	10/8/2025	18:00	2,882.6
Nov-25	981,024,350	1,971.5	11/7/2025	14:00	1,746.0	11/8/2025	16:00	2,727.6
Dec-25	986,356,699	1,950.6	12/2/2025	14:00	1,444.5	12/31/2025	09:00	2,692.9

**Twelve Coincident Peak Statistics:      2,007.6**

**Table 6 - GSD Class Results**

**DUKE ENERGY FLORIDA  
LOAD RESEARCH DATA  
JANUARY 2025 - DECEMBER 2025**

**INTERRUPTIBLE (IS) CLASS**

Month	KWH Usage	Class Coincident Peak			Coincident with System Peak			Non-Coincident Peak
		(MW)	Date	Time	(MW)	Date	Time	(MW)
Jan-25	225,744,155	386.6	1/24/2025	06:00	322.7	1/22/2025	19:00	500.9
Feb-25	224,392,950	418.5	2/12/2025	20:00	319.3	2/13/2025	16:00	528.0
Mar-25	236,945,794	398.2	3/11/2025	02:00	334.5	3/31/2025	18:00	528.6
Apr-25	248,432,093	426.0	4/28/2025	16:00	329.8	4/27/2025	18:00	543.0
May-25	244,314,534	399.1	5/1/2025	18:00	330.7	5/20/2025	18:00	530.5
Jun-25	240,135,609	408.8	6/13/2025	07:00	376.5	6/17/2025	18:00	546.4
Jul-25	251,408,245	416.6	7/31/2025	18:00	393.7	7/29/2025	16:00	541.3
Aug-25	246,003,484	397.9	8/1/2025	22:00	390.6	8/5/2025	18:00	552.5
Sep-25	241,619,808	418.1	9/24/2025	17:00	418.1	9/24/2025	17:00	549.1
Oct-25	246,965,954	436.9	10/8/2025	17:00	429.1	10/8/2025	18:00	530.7
Nov-25	239,633,224	425.8	11/24/2025	24:00	371.1	11/8/2025	16:00	545.5
Dec-25	239,169,593	404.5	12/17/2025	23:00	332.6	12/31/2025	09:00	543.0

**Twelve Coincident Peak Statistics: 362.4**

**Table 7 - IS Class Results**

# **APPENDIX**

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## **Development of Load Factors**

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: Duke Energy Florida

EXPLANATION: For each rate class that is not 100% interval metered, provide the estimated historic value and 90% confidence interval by month from the latest load research for (1) contribution to monthly system peaks (coincident), (2) monthly noncoincident peak (class peaks) and (3) monthly customer maximum demand (billing demand for demand classes). For classes, 100% metered with interval meters provide actual monthly values for the aforementioned demands and identify such as actual values. Also, provide the annual KWH as well as the 12 CP Load Factor, Class NCP Load Factor and the Customer Load Factor for each class.

Type of Data Shown:

Historical Test Year Ended 12/31/25  
 Projected Test Year Ended \_\_\_/\_\_\_/\_\_\_  
 Prior Year Ended \_\_\_/\_\_\_/\_\_\_

Rate Schedule	Month and Year	Estimated Coincident Peak	90% Confidence Interval	Estimated Noncoincident Peak	90% Confidence Interval	Estimated Customer Maximum Demand	90% Confidence Interval
<b>Residential Service</b>							
	Jan 2025	5,273.7	N/A	5,332.9	N/A	13258.7	N/A
	Feb 2025	3,072.4	N/A	3,361.6	N/A	11016.1	N/A
	Mar 2025	3,689.5	N/A	3,689.5	N/A	10921.6	N/A
	Apr 2025	4,653.2	N/A	4,653.2	N/A	11022.5	N/A
	May 2025	5,142.0	N/A	5,188.9	N/A	11377.7	N/A
	Jun 2025	5,153.8	N/A	5,153.8	N/A	11351.6	N/A
	Jul 2025	5,266.9	N/A	5,720.8	N/A	11631.4	N/A
	Aug 2025	5,361.7	N/A	5,458.3	N/A	11398.4	N/A
	Sep 2025	4,610.8	N/A	4,752.9	N/A	11008.1	N/A
	Oct 2025	4,221.0	N/A	4,221.0	N/A	10524.2	N/A
	Nov 2025	3,474.1	N/A	3,490.4	N/A	11315.2	N/A
	Dec 2025	3,849.0	N/A	3,849.0	N/A	11498.7	N/A

Annual Peak: 5,720.8 MW

Annual KWH: 21,909,655,497

12 Month Coincident Peak Averag 4,480.7 MW

12 CP Load Factor: 0.558

90% Confidence Interval: N/A MW

Class (NCP) Load Factor: 0.437

Sum of individual customer annual max dem: 17,142.9 MW

Customer (Billing or Maximum Demand) Load Fact 0.146

Supporting Schedules:

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: Duke Energy Florida

EXPLANATION: For each rate class that is not 100% interval metered, provide the estimated historic value and 90% confidence interval by month from the latest load research for (1) contribution to monthly system peaks (coincident), (2) monthly noncoincident peak (class peaks) and (3) monthly customer maximum demand (billing demand for demand classes). For classes, 100% metered with interval meters provide actual monthly values for the aforementioned demands and identify such as actual values. Also, provide the annual KWH as well as the 12 CP Load Factor, Class NCP Load Factor and the Customer Load Factor for each class.

Type of Data Shown:

Historical Test Year Ended 12/31/25  
 Projected Test Year Ended \_\_\_/\_\_\_/\_\_\_  
 Prior Year Ended \_\_\_/\_\_\_/\_\_\_

Rate Schedule	Month and Year	Estimated Coincident Peak	90% Confidence Interval	Estimated Noncoincident Peak	90% Confidence Interval	Estimated Customer Maximum Demand	90% Confidence Interval
<b>General Service Non-Demand</b>							
	Jan 2025	322.0	N/A	409.9	N/A	922.9	N/A
	Feb 2025	362.5	N/A	379.2	N/A	818.7	N/A
	Mar 2025	296.4	N/A	368.3	N/A	797.7	N/A
	Apr 2025	276.2	N/A	410.1	N/A	820.8	N/A
	May 2025	395.2	N/A	473.6	N/A	868.6	N/A
	Jun 2025	381.6	N/A	455.4	N/A	843.0	N/A
	Jul 2025	483.8	N/A	498.2	N/A	858.8	N/A
	Aug 2025	392.6	N/A	470.2	N/A	863.6	N/A
	Sep 2025	409.8	N/A	441.8	N/A	839.3	N/A
	Oct 2025	334.9	N/A	399.8	N/A	776.9	N/A
	Nov 2025	249.7	N/A	314.9	N/A	766.2	N/A
	Dec 2025	244.8	N/A	306.0	N/A	740.6	N/A

Annual Peak: 498.2 MW

Annual KWH: 2,091,456,049

12 Month Coincident Peak Averag 345.8 MW

12 CP Load Factor: 0.690

90% Confidence Interval: N/A MW

Class (NCP) Load Factor: 0.479

Sum of individual customer annual max dem: 1,164.4 MW

Customer (Billing or Maximum Demand) Load Fact 0.205

Supporting Schedules:

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: Duke Energy Florida

EXPLANATION: For each rate class that is not 100% interval metered, provide the estimated historic value and 90% confidence interval by month from the latest load research for (1) contribution to monthly system peaks (coincident), (2) monthly noncoincident peak (class peaks) and (3) monthly customer maximum demand (billing demand for demand classes). For classes, 100% metered with interval meters provide actual monthly values for the aforementioned demands and identify such as actual values. Also, provide the annual KWH as well as the 12 CP Load Factor, Class NCP Load Factor and the Customer Load Factor for each class.

Type of Data Shown:

Historical Test Year Ended 12/31/25  
 Projected Test Year Ended \_\_\_/\_\_\_/\_\_\_  
 Prior Year Ended \_\_\_/\_\_\_/\_\_\_

Rate Schedule	Month and Year	Estimated Coincident Peak	90% Confidence Interval	Estimated Noncoincident Peak	90% Confidence Interval	Estimated Customer Maximum Demand	90% Confidence Interval
<b>General Service Demand</b>							
	Jan 2025	1,656.6	N/A	1,855.3	N/A	2724.3	N/A
	Feb 2025	2,042.6	N/A	2,083.3	N/A	2692.0	N/A
	Mar 2025	1,860.6	N/A	2,024.0	N/A	2653.9	N/A
	Apr 2025	1,745.9	N/A	2,160.4	N/A	2805.6	N/A
	May 2025	2,223.3	N/A	2,377.5	N/A	3009.2	N/A
	Jun 2025	2,200.1	N/A	2,333.6	N/A	3011.4	N/A
	Jul 2025	2,497.6	N/A	2,509.8	N/A	3142.3	N/A
	Aug 2025	2,313.6	N/A	2,483.8	N/A	3151.4	N/A
	Sep 2025	2,258.7	N/A	2,349.9	N/A	3019.8	N/A
	Oct 2025	2,101.2	N/A	2,258.3	N/A	2882.6	N/A
	Nov 2025	1,746.0	N/A	1,971.5	N/A	2727.6	N/A
	Dec 2025	1,444.5	N/A	1,950.6	N/A	2692.9	N/A
Annual Peak:	2,509.8 MW			Annual KWH:	13,617,744,372		
12 Month Coincident Peak Averag	2,007.6 MW			12 CP Load Factor:	0.774		
90% Confidence Interval:	N/A MW			Class (NCP) Load Factor:	0.619		
Sum of individual customer annual max dem:	3,661.8 MW			Customer (Billing or Maximum Demand) Load Fact	0.425		

Supporting Schedules:

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: Duke Energy Florida

EXPLANATION: For each rate class that is not 100% interval metered, provide the estimated historic value and 90% confidence interval by month from the latest load research for (1) contribution to monthly system peaks (coincident), (2) monthly noncoincident peak (class peaks) and (3) monthly customer maximum demand (billing demand for demand classes). For classes, 100% metered with interval meters provide actual monthly values for the aforementioned demands and identify such as actual values. Also, provide the annual KWH as well as the 12 CP Load Factor, Class NCP Load Factor and the Customer Load Factor for each class.

Type of Data Shown:

Historical Test Year Ended 12/31/25

Projected Test Year Ended \_\_\_/\_\_\_/\_\_\_

Prior Year Ended \_\_\_/\_\_\_/\_\_\_

Rate Schedule	Month and Year	Actual Coincident Peak	90% Confidence Interval	Actual Noncoincident Peak	90% Confidence Interval	Actual Customer Maximum Demand	90% Confidence Interval
<b>Curtailable Service</b>							
	Jan 2025	2.9	N/A	3.7	N/A	4.0	N/A
	Feb 2025	3.4	N/A	3.9	N/A	4.3	N/A
	Mar 2025	15.6	N/A	18.2	N/A	19.6	N/A
	Apr 2025	19.5	N/A	19.5	N/A	20.9	N/A
	May 2025	19.5	N/A	22.9	N/A	23.9	N/A
	Jun 2025	21.0	N/A	23.2	N/A	24.6	N/A
	Jul 2025	21.6	N/A	24.3	N/A	26.1	N/A
	Aug 2025	21.1	N/A	24.3	N/A	25.4	N/A
	Sep 2025	20.7	N/A	22.8	N/A	23.9	N/A
	Oct 2025	17.5	N/A	23.1	N/A	24.5	N/A
	Nov 2025	17.8	N/A	18.2	N/A	21.2	N/A
	Dec 2025	11.4	N/A	18.3	N/A	21.0	N/A

Annual Peak: 24.3 MW

Annual KWH: 119,107,017

12 Month Coincident Peak Averag 16.0 MW

12 CP Load Factor: 0.849

90% Confidence Interval: N/A

Class (NCP) Load Factor: 0.558

Sum of individual customer annual max dem: 26.2 MW

Customer (Billing or Maximum Demand) Load Fact 0.518

Supporting Schedules:

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: Duke Energy Florida

EXPLANATION: For each rate class that is not 100% interval metered, provide the estimated historic value and 90% confidence interval by month from the latest load research for (1) contribution to monthly system peaks (coincident), (2) monthly noncoincident peak (class peaks) and (3) monthly customer maximum demand (billing demand for demand classes). For classes, 100% metered with interval meters provide actual monthly values for the aforementioned demands and identify such as actual values. Also, provide the annual KWH as well as the 12 CP Load Factor, Class NCP Load Factor and the Customer Load Factor for each class.

Type of Data Shown:

Historical Test Year Ended 12/31/25

Projected Test Year Ended \_\_\_/\_\_\_/\_\_\_

Prior Year Ended \_\_\_/\_\_\_/\_\_\_

Rate Schedule	Month and Year	Actual Coincident Peak	90% Confidence Interval	Actual Noncoincident Peak	90% Confidence Interval	Actual Customer Maximum Demand	90% Confidence Interval
<b>Interruptible Service</b>							
	Jan 2025	322.7	N/A	386.6	N/A	500.9	N/A
	Feb 2025	319.3	N/A	418.5	N/A	528.0	N/A
	Mar 2025	334.5	N/A	398.2	N/A	528.6	N/A
	Apr 2025	329.8	N/A	426.0	N/A	543.0	N/A
	May 2025	330.7	N/A	399.1	N/A	530.5	N/A
	Jun 2025	376.5	N/A	408.8	N/A	546.4	N/A
	Jul 2025	393.7	N/A	416.6	N/A	541.3	N/A
	Aug 2025	390.6	N/A	397.9	N/A	552.5	N/A
	Sep 2025	418.1	N/A	418.1	N/A	549.1	N/A
	Oct 2025	429.1	N/A	436.9	N/A	530.7	N/A
	Nov 2025	371.1	N/A	425.8	N/A	545.5	N/A
	Dec 2025	332.6	N/A	404.5	N/A	543.0	N/A

Annual Peak: 436.9 MW

Annual KWH: 2,884,765,442

12 Month Coincident Peak Averag 362.4 MW

12 CP Load Factor: 0.909

90% Confidence Interval: N/A

Class (NCP) Load Factor: 0.754

Sum of individual customer annual max dem: 611.2 MW

Customer (Billing or Maximum Demand) Load Fact 0.539

Supporting Schedules:

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: Duke Energy Florida

EXPLANATION: For each rate class that is not 100% interval metered, provide the estimated historic value and 90% confidence interval by month from the latest load research for (1) contribution to monthly system peaks (coincident), (2) monthly noncoincident peak (class peaks) and (3) monthly customer maximum demand (billing demand for demand classes). For classes, 100% metered with interval meters provide actual monthly values for the aforementioned demands and identify such as actual values. Also, provide the annual KWH as well as the 12 CP Load Factor, Class NCP Load Factor and the Customer Load Factor for each class.

Type of Data Shown:

Historical Test Year Ended 12/31/25

Projected Test Year Ended \_\_\_/\_\_\_/\_\_\_

Prior Year Ended \_\_\_/\_\_\_/\_\_\_

Rate Schedule	Month and Year	Actual Coincident Peak	90% Confidence Interval	Actual Noncoincident Peak	90% Confidence Interval	Actual Customer Maximum Demand	90% Confidence Interval
<b>Firm Standby Service</b>							
SS-1	Jan 2025	3.1	N/A	5.7	N/A	8.1	N/A
	Feb 2025	2.2	N/A	8.1	N/A	10.5	N/A
	Mar 2025	3.0	N/A	8.1	N/A	13.5	N/A
	Apr 2025	2.6	N/A	7.6	N/A	10.5	N/A
	May 2025	6.9	N/A	13.3	N/A	15.9	N/A
	Jun 2025	3.4	N/A	8.3	N/A	11.0	N/A
	Jul 2025	7.2	N/A	9.6	N/A	13.5	N/A
	Aug 2025	7.1	N/A	8.1	N/A	13.3	N/A
	Sep 2025	1.7	N/A	9.4	N/A	11.6	N/A
	Oct 2025	2.5	N/A	3.4	N/A	5.3	N/A
	Nov 2025	2.1	N/A	7.2	N/A	9.3	N/A
	Dec 2025	9.1	N/A	9.3	N/A	16.9	N/A

Annual Peak: 13.3 MW

Annual KWH: 33,341,312

12 Month Coincident Peak Averag 4.2 MW

12 CP Load Factor: 0.899

90% Confidence Interval: N/A

Class (NCP) Load Factor: 0.286

Sum of individual customer annual max dem: 23.3 MW

Customer (Billing or Maximum Demand) Load Fact 0.164

Supporting Schedules:

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: Duke Energy Florida

EXPLANATION: For each rate class that is not 100% interval metered, provide the estimated historic value and 90% confidence interval by month from the latest load research for (1) contribution to monthly system peaks (coincident), (2) monthly noncoincident peak (class peaks) and (3) monthly customer maximum demand (billing demand for demand classes). For classes, 100% metered with interval meters provide actual monthly values for the aforementioned demands and identify such as actual values. Also, provide the annual KWH as well as the 12 CP Load Factor, Class NCP Load Factor and the Customer Load Factor for each class.

Type of Data Shown:

Historical Test Year Ended 12/31/25

Projected Test Year Ended \_\_\_/\_\_\_/\_\_\_

Prior Year Ended \_\_\_/\_\_\_/\_\_\_

Rate Schedule	Month and Year	Actual Coincident Peak	90% Confidence Interval	Actual Noncoincident Peak	90% Confidence Interval	Actual Customer Maximum Demand	90% Confidence Interval
<b>Interruptible Standby Service</b>							
SS-2	Jan 2025	19.1	N/A	24.9	N/A	43.7	N/A
	Feb 2025	10.1	N/A	19.4	N/A	42.2	N/A
	Mar 2025	10.4	N/A	22.4	N/A	44.4	N/A
	Apr 2025	4.7	N/A	22.4	N/A	42.9	N/A
	May 2025	11.7	N/A	19.0	N/A	42.3	N/A
	Jun 2025	16.1	N/A	18.9	N/A	38.1	N/A
	Jul 2025	8.5	N/A	15.5	N/A	30.8	N/A
	Aug 2025	6.9	N/A	15.1	N/A	29.2	N/A
	Sep 2025	9.5	N/A	17.1	N/A	36.5	N/A
	Oct 2025	3.0	N/A	14.8	N/A	30.3	N/A
	Nov 2025	1.5	N/A	11.4	N/A	22.7	N/A
	Dec 2025	2.4	N/A	18.3	N/A	35.5	N/A

Annual Peak: 24.9 MW

Annual KWH: 63,888,725

12 Month Coincident Peak Averag 8.7 MW

12 CP Load Factor: 0.841

90% Confidence Interval: N/A

Class (NCP) Load Factor: 0.293

Sum of individual customer annual max dem: 45.5 MW

Customer (Billing or Maximum Demand) Load Fact 0.160

Supporting Schedules:

DOCKET NO.:

DUKE ENERGY FLORIDA  
 ANALYSIS OF COINCIDENT LOADING FOR THE LIGHTING CLASS  
 FOR THE TEN YEARS ENDED DECEMBER 31, 2025

RATE SCHEDULE  
 LIGHTING - LS

Percentage of Lighting Load Occurring at Time of Monthly System Peak

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	TEN YR AVG % LIGHT LOAD
JAN	21%	26%	25%	18%	7%	23%	17%	23%	-	18%	17.80%
FEB	7%	-	-	-	-	12%	15%	-	-	-	3.40%
MAR	-	-	-	-	-	-	-	-	-	-	0.00%
APR	-	-	-	-	-	-	-	-	-	-	0.00%
MAY	-	-	-	-	-	-	-	-	-	-	0.00%
JUN	-	-	-	-	-	-	-	-	-	-	0.00%
JUL	-	-	-	-	-	-	-	-	-	-	0.00%
AUG	-	-	-	-	-	-	-	-	-	-	0.00%
SEP	-	-	-	-	-	-	-	-	-	-	0.00%
OCT	-	-	-	-	-	-	-	-	-	-	0.00%
NOV	-	-	-	-	-	-	-	-	-	-	0.00%
DEC	-	8%	7%	13%	-	-	-	-	-	-	<u>2.80%</u>
											24.00%
											===
											<b>AVG MONTHLY COINCIDENCE</b> = 2.0%
											<b>ANNUAL BURNING HOURS</b> = 4,200
											<b>LOAD FACTOR:</b>
											BASED ON AVG. 12 CP = 23.950
											BASED ON CLASS ANNUAL MAX DEM. = 0.479