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DEF's response to staff's second set of  
interrogatories, Nos. 8-11

**BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

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In re: Storm Protection Plan Cost Recovery  
Clause

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Docket No. 20210010-EI

Dated: July 16, 2021

**DUKE ENERGY FLORIDA, LLC'S  
RESPONSE TO STAFF'S SECOND SET OF INTERROGATORIES (NOS. 8-11)**

Duke Energy Florida, LLC ("DEF") responds to the Staff of the Florida Public Service Commission's ("Staff") Second Set of Interrogatories to DEF (Nos. 8-11) as follows:

**INTERROGATORIES**

8. Please provide the monthly customer, energy, and demand forecasts (by rate class) used to establish the billing determinants in the Company's 2021 Storm Protection Plan Cost Recovery Clause filing.

**RESPONSE**

Please see the attached file bearing bates number 20210010-DEF-000005, that contains the monthly energy forecasts (by rate class) used to establish the billing determinants in the Company's 2021 Storm Protection Plan Cost Recovery Clause filing, whose 2021 total ties to the total annual amount at the bottom of Column (3) in Exhibit (TGF-1) Form 5P in Docket 20200092-EI. The Energy (KWH) Billing determinants shown in Column (10) in Exhibit (TGF-1) Form 6P in Docket 20200092-EI are a function of those shown on Column (3) in Form 5P. The Demand forecasts (MWs) for 2021 were not used in the establishment of billing determinants in the Company's 2021 Storm Protection Plan Cost Recovery Clause filing; rate factors were established on an Energy (KWH) basis for all rate classes. Customer data was not used to establish the billing determinants in the Company's 2021 Storm Protection Plan Cost Recovery Clause filing.

9. For each forecast presented in Interrogatory #8, please provide the annual actuals for calendar years 2015-2020 and the annual projections for 2021 and 2022.

**RESPONSE**

Please see the attached file bearing bates numbers 202100010-DEF-000006 through 202100010-DEF-000007, that contains the annual actuals for kWh energy sales (by rate class) for calendar years 2015-2020, and the annual projections for 2021 and 2022; also included is DEF's billed

demand forecast for the GSD, IS, and CS Rate Classes, as well as the derivation of the applicable 2022 Billing KW Load Factor %. DEF does not prepare or calculate the actual billed demands (KWs) consistent with the information provided in DEF's response to Staff's Second Interrogatory #8 (i.e. at the Rate Class level).

10. Please identify all closed and open Commission dockets and all non-docketed Commission matters in which the same load forecast used to support the Company's billing determinants in this proceeding has been submitted for approval to the Commission.

**RESPONSE**

The same load forecast (2022 KWH, 2021 Spring Sales Forecast) used to support the Company's billing determinants in this proceeding was or will be used in the following closed and open Commission dockets:

*(Open Dockets)*

Storm Protection Cost Recovery Clause (SPPCRC) - Docket No. 20210010  
Eta & Isaias -- Storm Cost Recovery - Docket No. 20210097

*(Open Docket but 2022 Projection File not yet Submitted for Approval)*

Fuel & Capacity Cost Recovery Clause (FAC & CCR) – 20210001  
Environmental Cost Recovery Clause (ECRC) – 20210007  
Energy Conservation Cost Recovery Clause (ECCR) – 20210002

*(Closed Dockets)*

None

11. Please list all Commission dockets which were opened after August 2020 in which the Company filed customer, energy, or demand forecast(s) which were different from the forecasts used to support the billing determinants in this proceeding. Explain in each instance, if any, why a different forecast was used and how those forecasts differed from those in this proceeding.

**RESPONSE**

DEF Dockets Opened after August 2020:

Docket No. 20200245 (SoBRA 3) – Used projected sales for 2021 Billing cycle began in April 2021 which used the 2020 Fall Sales Forecast (which projected 2021 and 2022 Sales). This was the most current sales forecast available at the time the filing was developed.

Docket No. 20210016 - DEF's Petition for limited proceeding to approve 2021 settlement agreement, including general base rate increases, by Duke Energy Florida, LLC.

which used the 2020 Fall Sales Forecast (which projected 2022, 2023, and 2024 Sales). This was the most current sales forecast available at the time the filing was developed.

Docket No. 20210000 (Undocketed) – DEF’s Ten Year Site Plan (TYSP), which used the 2020 Fall Sales Forecast. This was the most current sales forecast available at the time the filing was developed.

DEF - Response to ROG 2 - Question 8 (Docket No. 20210010-EI)

DEF monthly energy, (by rate class) used to establish the billing determinants in the Company's 2021 Storm Protection Plan Cost Recovery Clause filing.

	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Total
Rates Effective:													
<b>Billed mWh:</b>													
RS	1,624,205	1,524,293	1,293,613	1,260,876	1,493,012	1,956,352	2,255,315	2,293,566	2,346,399	2,118,749	1,619,447	1,355,694	21,141,521
GS	155,130	142,759	143,930	154,422	167,815	188,481	197,498	197,116	203,029	193,893	174,244	155,917	2,074,235
GS-2	14,530	13,208	13,307	14,349	15,721	17,760	18,831	18,780	19,121	18,222	16,246	14,488	194,563
GSD	981,893	908,791	917,234	981,027	1,060,459	1,185,691	1,239,280	1,236,085	1,271,613	1,216,061	1,098,776	987,346	13,084,256
CS	4,820	4,790	4,888	5,045	5,116	5,406	5,404	5,354	5,514	5,374	5,213	4,916	61,840
IS	198,315	195,857	199,090	204,602	207,728	217,739	220,352	218,378	220,155	215,359	209,348	199,827	2,506,751
LS	26,366	24,915	24,818	26,152	28,084	31,402	32,317	32,386	34,158	32,658	29,517	26,571	349,344
SS-1	3,395	3,340	3,402	3,530	3,617	3,859	3,878	3,849	3,980	3,866	3,704	3,462	43,879
SS-2	5,015	5,017	5,137	5,271	5,287	5,517	5,553	5,476	5,489	5,372	5,294	5,066	63,493
SS-3	5,395	5,396	5,525	5,670	5,686	5,934	5,973	5,890	5,904	5,779	5,694	5,449	68,295
	3,019,064	2,828,367	2,610,944	2,660,944	2,992,526	3,618,140	3,984,399	4,016,879	4,115,362	3,815,333	3,167,483	2,758,734	39,588,176

Ties to TGF-1 - Form 5P - Column (3) (Docket No. 20200092-EI)

**Duke Energy Florida**

Sales mWh and mW at Meter

Staff ROG 2-9 Docket 20210010-EI

Hours

8,760

Rate Class	Sales at Meter System Total (mWh) <sup>1</sup>	Billing MW	Billing KW Load Factor % <sup>2</sup>
<b><u>Residential</u></b>			
<b>RS-1, RST-1, RSL-1, RSL-2, RSS-1</b>			
Secondary	21,211,130		
<b><u>General Service Non-Demand</u></b>			
<b>GS-1, GST-1</b>			
Secondary	1,018,417		
Primary	18,825		
Transmission	2,666		
	1,039,908		
<b><u>General Service</u></b>			
<b>GS-2</b>			
Secondary	204,533		
<b><u>General Service Demand</u></b>			
<b>GSD-1, GSDT-1, SS-1</b>			
Secondary	11,642,447	35,057	
Primary	1,712,513	4,583	
Transmission	404,800	802	
	13,759,760	40,442	46.61%
<b><u>Curtable</u></b>			
<b>CS-1, CST-1, CS-2, CST-2, SS-3</b>			
Primary	120,244	553	
	120,244	553	29.79%
<b><u>Interruptible</u></b>			
<b>IS-1, IST-1, IS-2, IST-2, SS-2</b>			
Secondary	406,762	1,004	
Primary	1,663,347	5,465	
Transmission	600,560	1,642	
	2,670,669	8,112	45.10%
<b><u>Lighting</u></b>			
<b>LS-1</b>			
Secondary	348,815		
	39,355,060	49,106	

Note 1) Sales at Meter System Total (mWh) ties to Exhibit CAM-2 Column (3) SPPCRC Form 5P in Docket No. 20210010-EI (2022)

Note 2) Billing KW Load Factor ties to Exhibit CAM-2 Column (11) SPPCRC Form 6P in Docket No. 20210010-EI (2022)

## Duke Energy Florida

## Development of Retail Rate Class MWHs (Response to Staff ROG 2 Q9 - Docket No. 20210010-EI)

Retail Rate Class	Actual mWh 12 mos ended 12/2015	Actual mWh 12 mos ended 12/2016	Actual mWh 12 mos ended 12/2017	Actual mWh 12 mos ended 12/2018	Actual mWh 12 mos ended 12/2019	Actual mWh 12 mos ended 12/2020	Estimated mWh 12 mos ended 12/2021	Estimated mWh 12 mos ended 12/2022
<b>Total Residential Service</b>	19,906,905	20,240,448	19,765,684	20,610,561	20,750,267	21,434,052	21,141,521	21,211,130
<b>Total General Service Non-Demand</b>	1,809,147	1,925,251	1,977,574	2,105,627	2,143,279	2,104,362	2,074,235	1,039,908
<b>Total General Service Non-Demand- GS-2 - 100%</b>	165,481	172,067	170,209	197,254	198,931	203,063	194,563	204,533
<b>Total General Service Demand</b>	14,094,545	13,949,987	13,662,938	13,586,108	13,475,939	12,633,803	13,084,256	13,706,382
<b>Total Curtailable</b>	80,308	69,903	68,871	68,764	61,875	60,642	61,840	62,060
<b>Total Interruptible</b>	1,934,865	1,831,833	1,729,225	2,009,407	2,022,371	2,280,232	2,506,751	2,611,681
<b>Total SS-1</b>	42,468	48,187	52,919	40,145	44,092	52,288	43,878	53,378
<b>Total SS-2</b>	88,897	103,887	157,692	109,058	63,431	57,648	63,494	58,988
<b>Total SS-3</b>	49,555	54,638	63,742	51,421	71,869	56,863	68,295	58,185
<b>Total Lighting</b>	381,013	377,760	375,156	366,303	355,289	347,258	349,344	348,815
<b>Total Retail</b>	<b>38,553,183</b>	<b>38,773,961</b>	<b>38,024,010</b>	<b>39,144,649</b>	<b>39,187,343</b>	<b>39,230,211</b>	<b>39,588,176</b>	<b>39,355,060</b>