

Letter dated 9/16/22, with response to staff's
second data request.



Dianne M. Triplett
DEPUTY GENERAL COUNSEL

September 16, 2022

VIA ELECTRONIC FILING

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

Re: *Petition for limited proceeding to implement return on equity trigger provision of 2021 settlement agreement, by Duke Energy Florida, LLC:* Docket No. 20220143-EI

Dear Mr. Teitzman:

Please find attached Duke Energy Florida, LLC's ("DEF"), response to Staff's Second Data Request for the above reference docket.

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/ Dianne M. Triplett

Dianne M. Triplett

DMT/vr
Attachments

CERTIFICATE OF SERVICE

Docket No. 20220143

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished by electronic mail this 16th day of September, 2022, to the following:

/s/ Dianne M. Triplett
Attorney

<p>Jennifer Crawford Suzanne Brownless Office of General Counsel FL Public Service Commission 2540 Shumard Oak Blvd. Tallahassee, FL 32399-0850 jcrawfor@psc.state.fl.us sbrownle@psc.state.fl.us</p> <p>Florida Industrial Power Users Group Jon C. Moyle, Jr. c/o Moyle Law Firm 118 North Gadsden Street Tallahassee, FL 32301 jmoyle@moylelaw.com mqualls@moylelaw.com</p> <p>Nucor Steel Florida, Inc. Corey Allain 22 Nucor Drive Frostproof, FL 33843 corey.allain@nucor.com</p>	<p>Office of Public Counsel Richard Gentry/Charles J. Rehwinkel c/o The Florida Legislature 111 W. Madison St., Rm 812 Tallahassee, FL 32399 gentry.richard@leg.state.fl.us rehwinkel.charles@leg.state.fl.us</p> <p>PCS Phosphate - White Springs James W. Brew/Laura Wynn Baker c/o Stone Law Firm 1025 Thomas Jefferson St., NW, Eighth Floor, West Tower Washington, DC 20007 jbrew@smxblaw.com lwb@smxblaw.com</p>
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**DUKE ENERGY FLORIDA, LLC'S RESPONSE TO STAFF'S SECOND DATA
REQUEST REGARDING DEF'S PETITION FOR A LIMITED
PROCEEDING TO IMPLEMENT RETURN ON EQUITY TRIGGER
PROVISION OF 2021 SETTLEMENT AGREEMENT**

Docket No. 20220143-EI

1. Please refer to DEF's response to Staff's First Data Request, No. 7.b. Excel attachment titled, "Q7b Calculation of CDD and HDD". Please provide DEF's CDD and HDD allocation methodology that was applied to the three selected weather stations (Orlando International Airport, Tallahassee Regional Airport, and St. Petersburg International Airport) that were, in turn, used to produce DEF's Actual Monthly CDD and Actual Monthly HDD as seen below.

	ACTUAL		NORMAL FROM ITRON MODEL		WEATHER	
	Monthly CDD	Monthly HDD	CDD	HDD	CDD	HDD
Jun-21	471.26	-	463.46	0	7.80	-
Jul-21	529.75	-	514.17	0	15.58	-
Aug-21	552.63	-	517.27	0	35.36	-
Sep-21	462.37	-	455.47	0	6.90	-
Oct-21	386.59	-	308.63	5.26	77.96	(5.26)
Nov-21	75.56	56.16	114.45	47.94	(38.89)	8.22
Dec-21	121.82	27.91	62.16	135.31	59.66	(107.40)
Jan-22	27.34	196.91	35.17	192.16	(7.83)	4.75
Feb-22	79.53	85.54	53.34	115.75	26.19	(30.21)
Mar-22	186.10	14.71	112.1	57.25	74.00	(42.54)
Apr-22	257.79	3.75	212.32	8.01	45.47	(4.26)
May-22	421.85	-	376.67	0.35	45.18	(0.35)

Response:

The weather station weights applied to each of the three weather stations to derive a weighted average of CDD and HDD for weather normalization are as follows. The weights are fixed over time for each weather station, vary across weather stations, and were determined based on the allocation of load at the operating centers across the service area, and the proximity of the load to each weather station.

Average Daily Temperatures collected for Each day of 30 Years for each of three weather stations in DEF service Area.									
MCO	Orlando Florida International Airport								
TLH	Tallahassee Florida International Airport								
TPAPIE	Saint Petersburg / Clearwater: St Pete-CLWTR Florida International Airport								
Weather Splines for each of the three weather stations are weighted by Load distribution across DEF territory									
Weather Station Code		Description of Weather Station							Weighting
MCO		ORLANDO: ORLANDO INTERNATIONAL AIRPORT (12815)							0.45
TLH		TALLAHASSEE: TALLAHASSEE REGIONAL AIRPORT (93805)							0.10
PIE		ST PETERSBURG/CLEARWATER: ST PETE-CLWTR INTL AIRPORT (12873)							0.45