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Stephanie A. Cuello
SENIOR COUNSEL

June 19, 2023

VIA ELECTRONIC FILING

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

Re: *Fuel and Purchased Power Clause with Generating Performance Incentive Factor*; Docket No. 20230001-EI

Dear Mr. Teitzman:

Please find attached for electronic filing, Duke Energy Florida, LLC's Schedules A1 through A9 and A12 for the reporting month of May 2023.

Thank you for your assistance in this matter and if you have any questions, please feel free to contact me at (850) 521-1425.

Sincerely,

s/ Stephanie A. Cuello

Stephanie A. Cuello

SAC/vr
Attachment

CERTIFICATE OF SERVICE

Docket No. 20230001-EI

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished via electronic mail to the following this 19th day of June, 2023.

s/ Stephanie A. Cuello

Stephanie A. Cuello

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DUKE ENERGY FLORIDA
FUEL AND PURCHASED POWER

MAY 2023

	\$				MWH				CENTS/KWH			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
1 FUEL COST OF SYSTEM NET GENERATION (SCH A3)	97,753,939	110,289,641	(12,535,702)	(11.4)	3,595,884	3,616,555	(20,672)	(0.6)	2.7185	3.0496	(0.3311)	(10.9)
2 COAL CAR SALE	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
3 ADJUSTMENTS TO FUEL COST - MISCELLANEOUS	2,588,542	1,015,327	1,573,215	155.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	100,342,481	111,304,968	(10,962,487)	(9.9)	3,595,884	3,616,555	(20,672)	(0.6)	2.7905	3.0777	(0.2872)	(9.3)
5 ENERGY COST OF PURCHASED POWER - FIRM (SCH A7)	3,388,727	4,873,042	(1,484,315)	(30.5)	65,577	81,292	(15,715)	(19.3)	5.1676	5.9945	(0.8269)	(13.8)
6 ENERGY COST OF SCH C,X ECONOMY PURCH - BROKER (SCH A)	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
7 ENERGY COST OF ECONOMY PURCH - NON-BROKER (SCH A9)	899,141	303,325	595,816	196.4	20,288	6,496	13,792	212.3	4.4319	4.6693	(0.2374)	(5.1)
8 PAYMENTS TO QUALIFYING FACILITIES (SCH A8)	10,205,083	14,754,300	(4,549,216)	(30.8)	211,188	217,266	(6,078)	(2.8)	4.8322	6.7909	(1.9587)	(28.8)
9 TOTAL COST OF PURCHASED POWER	14,492,952	19,930,667	(5,437,716)	(27.3)	297,054	305,054	(8,001)	(2.6)	4.8789	6.5335	(1.6546)	(25.3)
10 TOTAL AVAILABLE MWH					3,892,937	3,921,610	(28,672)	(1)				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(371,264)	(553,241)	181,977	(32.9)	(17,721)	(14,617)	(3,104)	21.2	2.0951	3.7850	(1.6899)	(44.7)
11a GAIN ON OTHER POWER SALES - 100% (SCH A6)	(155,617)	(137,187)	(18,430)	13.4	(17,721)	(14,617)	(3,104)	21.2	0.8782	0.9386	(0.0604)	(6.4)
11b GAIN ON TOTAL POWER SALES - 20% (SCH A6)	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
12 FUEL COST OF STRATIFIED SALES	(4,324,911)	(1,636,079)	(2,688,832)	164.4	(166,336)	(53,452)	(112,884)	211.2	2.6001	3.0608	(0.4607)	(15.1)
13 TOTAL FUEL COST AND GAINS ON POWER SALES	(4,851,792)	(2,326,507)	(2,525,285)	108.5	(184,057)	(68,069)	(115,988)	170.4	2.6360	3.4179	(0.7819)	(22.9)
14 NET INADVERTENT AND WHEELED INTERCHANGE					17,306	0	17,306					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	109,983,640	128,909,128	(18,925,488)	(14.7)	3,726,186	3,853,541	(127,354)	(3.3)	2.9516	3.3452	(0.3936)	(11.8)
16 NET UNBILLED	9,560,326	14,374,701	(4,814,375)	(33.5)	(323,899)	(429,710)	105,811	(24.6)	0.2996	0.4526	(0.1530)	(33.8)
17 COMPANY USE	423,707	528,055	(104,348)	(19.8)	(14,355)	(15,785)	1,430	(9.1)	0.0133	0.0166	(0.0033)	(19.9)
18 T & D LOSSES	5,813,532	7,769,740	(1,956,208)	(25.2)	(196,959)	(232,264)	35,305	(15.2)	0.1822	0.2447	(0.0625)	(25.5)
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	109,983,640	128,909,128	(18,925,488)	(14.7)	3,190,974	3,175,781	15,192	0.5	3.4467	4.0591	(0.6124)	(15.1)
20 WHOLESALE KWH SALES (EXCLUDING STRATIFIED SALES)	(123,848)	(80,384)	(43,464)	54.1	(3,593)	(1,980)	(1,613)	81.5	3.4467	4.0591	(0.6124)	(15.1)
21 JURISDICTIONAL KWH SALES	109,859,792	128,828,744	(18,968,952)	(14.7)	3,187,380	3,173,801	13,579	0.4	3.4467	4.0591	(0.6124)	(15.1)
22 JURISDICTIONAL KWH SALES ADJUSTED FOR LINE LOSS - 1.000:	109,904,470	128,877,699	(18,973,229)	(14.7)	3,187,380	3,173,801	13,579	0.4	3.4481	4.0607	(0.6126)	(15.1)
23 PRIOR PERIOD TRUE-UP	(8,113,019)	(8,113,019)	0	0.0	3,187,380	3,173,801	13,579	0.4	(0.2545)	(0.2556)	0.0011	(0.4)
24 TOTAL JURISDICTIONAL FUEL COST	101,791,451	120,764,680	(18,973,229)	(15.7)	3,187,380	3,173,801	13,579	0.4	3.1936	3.8051	(0.6115)	(16.1)
25 GPIF	(17,205)	(17,205)	(0)	0.0	3,187,380	3,173,801	13,579	0.4	(0.0005)	(0.0005)	0.0000	0.0
26 CLEAN ENERGY CONNECTION (CEC) BILL CREDIT	743,581	1,416,631	(673,050)	(47.5)	3,187,380	3,173,801	13,579	0.4	0.0233	0.0446	(0.0213)	(47.8)
27 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									3.216	3.849	(0.633)	(16.4)

*Line 11a. MWH Data for Infomational Purposes Only
*Line 16 and 18. \$ Data for Infomational Purposes Only

DUKE ENERGY FLORIDA
FUEL AND PURCHASED POWER
COST RECOVERY CLAUSE CALCULATION
YEAR TO DATE - MAY 2023

	\$				MWH				CENTS/KWH			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
1 FUEL COST OF SYSTEM NET GENERATION (SCH A3)	514,586,399	499,541,286	15,045,112	3.0	15,412,630	15,166,134	246,496	1.6	3.3387	3.2938	0.0449	1.4
2 COAL CAR SALE	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
3 ADJUSTMENTS TO FUEL COST - MISCELLANEOUS	8,418,082	5,110,072	3,308,010	64.7	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	523,004,481	504,651,359	18,353,122	3.6	15,412,630	15,166,134	246,496	1.6	3.3933	3.3275	0.0658	2.0
5 ENERGY COST OF PURCHASED POWER - FIRM (SCH A7)	17,648,299	13,178,405	4,469,894	33.9	329,597	217,823	111,774	51.3	5.3545	6.0501	(0.6956)	(11.5)
6 ENERGY COST OF SCH C.X ECONOMY PURCH - BROKER (SCH A)	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
7 ENERGY COST OF ECONOMY PURCH - NON-BROKER (SCH A9)	7,586,701	2,524,374	5,062,327	200.5	132,066	50,888	81,178	159.5	5.7446	4.9606	0.7840	15.8
8 PAYMENTS TO QUALIFYING FACILITIES (SCH A8)	59,596,717	71,024,113	(11,427,396)	(16.1)	984,482	1,004,821	(20,339)	(2.0)	6.0536	7.0683	(1.0147)	(14.4)
9 TOTAL COST OF PURCHASED POWER	84,831,717	86,726,892	(1,895,175)	(2.2)	1,446,145	1,273,532	172,613	13.6	5.8661	6.8099	(0.9438)	(13.9)
10 TOTAL AVAILABLE MWH					16,858,775	16,439,666	419,109	2.6				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(2,626,409)	(2,447,251)	(179,157)	7.3	(131,379)	(70,761)	(60,618)	85.7	1.9991	3.4585	(1.4594)	(42.2)
11a GAIN ON OTHER POWER SALES - 100% (SCH A6)	(1,182,807)	(719,768)	(463,038)	64.3	(131,379)	(70,761)	(60,618)	85.7	0.9003	1.0172	(0.1169)	(11.5)
11b GAIN ON TOTAL POWER SALES - 20% (SCH A6)	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
12 FUEL COST OF STRATIFIED SALES	(18,539,169)	(9,839,193)	(8,699,976)	88.4	(660,174)	(268,145)	(392,029)	146.2	2.8082	3.6694	(0.8612)	(23.5)
13 TOTAL FUEL COST AND GAINS ON POWER SALES	(22,348,384)	(13,006,212)	(9,342,171)	71.8	(791,553)	(338,906)	(452,647)	133.6	2.8234	3.8377	(1.0143)	(26.4)
14 NET INADVERTENT AND WHEELED INTERCHANGE					78,671	12,327	66,344					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	585,487,814	578,372,038	7,115,775	1.2	16,145,893	16,113,088	32,805	0.2	3.6262	3.5895	0.0367	1.0
16 NET UNBILLED	6,618,698	6,799,837	(181,139)	(2.7)	(339,344)	(322,911)	(16,433)	5.1	0.0440	0.0461	(0.0021)	(4.6)
17 COMPANY USE	2,269,121	2,527,353	(258,232)	(10.2)	(60,816)	(69,233)	8,417	(12.2)	0.0151	0.0171	(0.0020)	(11.7)
18 T & D LOSSES	26,182,273	34,593,997	(8,411,724)	(24.3)	(702,726)	(965,737)	263,011	(27.2)	0.1740	0.2345	(0.0605)	(25.8)
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	585,487,814	578,372,038	7,115,775	1.2	15,043,007	14,755,207	287,800	2.0	3.8921	3.9198	(0.0277)	(0.7)
20 WHOLESALE KWH SALES (EXCLUDING STRATIFIED SALES)	(283,879)	(131,622)	(152,258)	115.7	(7,917)	(3,591)	(4,327)	120.5	3.5855	3.6658	(0.0803)	(2.2)
21 JURISDICTIONAL KWH SALES	585,203,934	578,240,417	6,963,517	1.2	15,035,089	14,751,617	283,473	1.9	3.8923	3.9198	(0.0275)	(0.7)
22 JURISDICTIONAL KWH SALES ADJUSTED FOR LINE LOSS - 1.000:	585,437,967	578,460,148	6,977,819	1.2	15,035,089	14,751,617	283,473	1.9	3.8938	3.9213	(0.0275)	(0.7)
23 PRIOR PERIOD TRUE-UP	27,721,303	27,721,306	(3)	0.0	15,035,089	14,751,617	283,473	1.9	0.1844	0.1879	(0.0035)	(1.9)
24 TOTAL JURISDICTIONAL FUEL COST	613,159,270	606,181,454	6,977,816	1.2	15,035,089	14,751,617	283,473	1.9	4.0782	4.1092	(0.0310)	(0.8)
25 GPIF	(86,026)	(86,025)	(1)	0.0	15,035,089	14,751,617	283,473	1.9	(0.0006)	(0.0006)	0.0000	100.0
26 CLEAN ENERGY CONNECTION (CEC) BILL CREDIT	3,436,581	5,283,651	(1,847,070)	(35.0)	15,035,089	14,751,617	283,473	1.9	0.0229	0.0358	(0.0129)	156.3
27 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									4.101	4.144	(0.044)	(1.1)

*Line 11a. MWH Data for Infomational Purposes Only
*Line 16 and 18. \$ Data for Infomational Purposes Only

DUKE ENERGY FLORIDA
CALCULATION OF TRUE-UP AND INTEREST PROVISION
MAY 2023

	CURRENT MONTH				YEAR TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT
A . FUEL COSTS AND NET POWER TRANSACTIONS								
1 . FUEL COST OF SYSTEM NET GENERATION	\$97,753,939	110,289,641	(\$12,535,702)	(11.4)	\$514,586,399	\$499,541,286	\$15,045,112	3.0
1a. COAL CAR SALE	0	0	0	0.0	0	0	0	0.0
2 . FUEL COST OF POWER SOLD	(371,264)	(553,241)	181,977	(32.9)	(2,626,409)	(2,447,251)	(179,157)	7.3
2a. GAIN ON POWER SALES	(155,617)	(137,187)	(18,430)	13.4	(1,182,807)	(719,768)	(463,038)	64.3
3 . FUEL COST OF PURCHASED POWER	3,388,727	4,873,042	(1,484,315)	(30.5)	17,648,299	13,178,405	4,469,894	33.9
3a. ENERGY PAYMENTS TO QUALIFYING FACILITIES	10,205,083	14,754,300	(4,549,216)	(30.8)	59,596,717	71,024,113	(11,427,396)	(16.1)
4 . ENERGY COST OF ECONOMY PURCHASES	899,141	303,325	595,816	196.4	7,586,701	2,524,374	5,062,327	200.5
5 . TOTAL FUEL & NET POWER TRANSACTIONS	111,720,009	129,529,880	(17,809,871)	(13.8)	595,608,900	583,101,159	12,507,741	2.2
6 . ADJUSTMENTS TO FUEL COST:								
6a. FUEL COST OF STRATIFIED SALES	(4,324,911)	(1,636,079)	(2,688,832)	164.4	(18,539,169)	(9,839,193)	(8,699,976)	88.4
6b. OTHER- JURISDICTIONAL ADJUSTMENTS (see detail below)	2,588,542	1,015,327	1,573,215	155.0	8,418,082	5,110,072	3,308,010	64.7
6c. OTHER - PRIOR PERIOD ADJUSTMENT	0	0	0	0.0	0	0	0	0.0
7 . ADJUSTED TOTAL FUEL & NET PWR TRNS	\$109,983,640	\$128,909,128	(\$18,925,488)	(14.7)	\$585,487,814	\$578,372,038	\$7,115,775	1.2

FOOTNOTE: DETAIL OF LINE 6b ABOVE

N/A - Not used	\$0	\$0	\$0	\$0	\$0	\$0	\$0
N/A - Not used	0	0	0	0	0	0	0
N/A - Not used	0	0	0	0	0	0	0
WHOLESALE ALLOCATION ADJUSTMENT	0	0	0	0	0	0	0
TANK BOTTOM ADJUSTMENT	0	0	0	0	0	0	0
AERIAL SURVEY ADJUSTMENT (Coal Pile)	1,540,875	0	1,540,875	1,540,875	0	1,540,875	
FPD AGREEMENT TERMINATION	1,027,424	0	1,027,424	5,170,273	0	5,170,273	
RAIL CAR SALE PROCEEDS	0	0	0	0	0	0	0
CITRUS SETTLEMENT FUEL GIVEBACK	0	0	0	0	0	0	0
NET METER SETTLEMENT	20,242	0	20,242	1,706,934	0	1,706,934	
CR4 OUTAGE REPLACEMENT POWER	0	0	0	0	0	0	0
Derivative Collateral Interest	0	0	0	0	0	0	0
SUBTOTAL LINE 6b SHOWN ABOVE	\$2,588,542	\$0	\$2,588,542	\$8,418,082	\$0	\$8,418,082	

B. KWH SALES

1 . JURISDICTIONAL SALES	3,187,380,235	3,173,801,000	13,579,235	0.4	15,035,089,368	14,751,616,732	283,472,636	1.9
2 . NON JURISDICTIONAL (WHOLESALE) SALES	3,593,211	1,980,313	1,612,898	81.5	7,917,347	3,590,556	4,326,791	120.5
3 . TOTAL SALES	3,190,973,446	3,175,781,313	15,192,133	0.5	15,043,006,715	14,755,207,287	287,799,427	2.0
4 . JURISDICTIONAL SALES % OF TOTAL SALES	99.89	99.94	(0.05)	(0.1)	99.95	99.98	(0.03)	(0.0)

DUKE ENERGY FLORIDA
CALCULATION OF TRUE-UP AND INTEREST PROVISION
MAY 2023

	CURRENT MONTH				YEAR TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT
C. TRUE UP CALCULATION								
1. JURISDICTIONAL FUEL REVENUE	\$176,182,021	\$178,462,830	(\$2,280,809)	(1.3)	\$897,063,019	\$885,813,449	\$11,249,569	1.3
2. ADJUSTMENTS:	0	0	0	0.0	0	0	0	0.0
2a. TRUE UP PROVISION	8,113,019	8,113,019	(0)	0.0	(27,721,303)	(27,721,306)	3	0.0
2b. INCENTIVE PROVISION	17,205	17,205	0	0.0	86,026	86,025	1	0.0
2c. CLEAN ENERGY CONNECTION (CEC) BILL CREDIT	(743,581)	(1,416,631)	673,050	(47.5)	(3,436,581)	(5,283,651)	1,847,070	(35.0)
3. TOTAL JURISDICTIONAL FUEL REVENUE	183,568,664	185,176,423	(1,607,759)	(0.9)	865,991,161	852,894,517	13,096,644	1.5
4. ADJ TOTAL FUEL & NET PWR TRNS (LINE A7)	109,983,640	128,909,128	(18,925,488)	(14.7)	585,487,814	578,372,038	7,115,775	1.2
5. JURISDICTIONAL SALES % OF TOT SALES (LINE B4)	99.89	99.94	(0.05)	(0.1)	99.95	99.98	(0.03)	(0.0)
6. JURISDICTIONAL FUEL & NET POWER TRANSACTIONS (LINE C4 * LINE C5 * 1.00038 LOSS MULTIPLIER)	109,904,470	128,877,699	(18,973,229)	(14.7)	585,437,967	578,460,148	6,977,819	1.2
7. TRUE UP PROVISION FOR THE MONTH OVER/(UNDER) COLLECTION (LINE C3 - C6)	73,664,194	56,298,724	17,365,470	30.9	280,553,194	274,434,369	6,118,825	2.2
8. INTEREST PROVISION FOR THE MONTH (LINE D10)	(4,649,525)	(4,097,066)	(552,459)	13.5	(24,203,701)	(22,656,207)	(1,547,493)	6.8
9. TRUE UP & INTEREST PROVISION BEG OF MONTH/PERIOD	(1,131,954,064)	(1,119,564,927)	(12,389,138)	1.1	(1,355,123,210)	(1,354,975,755)	(147,456)	0.0
10. TRUE UP COLLECTED (REFUNDED)	(8,113,019)	(8,113,019)	0	0.0	27,721,303	27,721,306	(3)	0.0
11. END OF PERIOD TOTAL NET TRUE UP (LINES C7 + C8 + C9 + C10)	(1,071,052,414)	(1,075,476,287)	4,423,873	(0.4)	(1,071,052,414)	(1,075,476,287)	4,423,873	(0.4)
12. OTHER:	0				0		0	
13. END OF PERIOD TOTAL NET TRUE UP (LINES C11 + C12)	(\$1,071,052,414)	(1,075,476,287)	4,423,873	(0.4)	(\$1,071,052,414)	(1,075,476,287)	4,423,873	(0.4)
D. INTEREST PROVISION								
1. BEGINNING TRUE UP (LINE C9)	(\$1,131,954,064)	N/A	--	--				
2. ENDING TRUE UP (LINES C7 + C9 + C10 + C12)	(1,066,402,889)	N/A	--	--				
3. TOTAL OF BEGINNING & ENDING TRUE UP	(2,198,356,954)	N/A	--	--				
4. AVERAGE TRUE UP (50% OF LINE D3)	(1,099,178,477)	N/A	--	--				
5. INTEREST RATE - FIRST DAY OF REPORTING MONTH	5.020	N/A	--	--				
6. INTEREST RATE - FIRST DAY OF SUBSEQUENT MONTH	5.140	N/A	--	--				
7. TOTAL (LINE D5 + LINE D6)	10.160	N/A	--	--				
8. AVERAGE INTEREST RATE (50% OF LINE D7)	5.080	N/A	--	--				
9. MONTHLY AVERAGE INTEREST RATE (LINE D8/12)	0.423	N/A	--	--				
10. INTEREST PROVISION (LINE D4 * LINE D9)	(\$4,649,525)	N/A	--	--				

A-3 Generating System Comparative Data Report

Report Period : 5/1/2023 to 5/1/2023

Duke Energy Florida, LLC

<u>FUEL COST OF SYSTEM</u>	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
NET GENERATION (\$)				
1 - HEAVY OIL	0	0	0	0.0 %
2 - LIGHT OIL	911,412	1,204,771	(293,359)	(24.3 %)
3 - COAL	12,004,620	9,265,816	2,738,804	29.6 %
4 - GAS	84,837,908	99,819,054	(14,981,146)	(15.0 %)
5 - NUCLEAR	0	0	0	0.0 %
6	0	0	0	0.0 %
7	0	0	0	0.0 %
8 - TOTAL (\$)	97,753,939	110,289,641	(12,535,702)	(11.4 %)
SYSTEM NET GENERATION (MWH)				
9 - HEAVY OIL	0	0	0	0.0 %
10 - LIGHT OIL	1,267	4,012	(2,745)	(68.4 %)
11 - COAL	219,162	173,187	45,975	26.5 %
12 - GAS	3,149,572	3,167,756	(18,184)	(0.6 %)
13 - NUCLEAR	0	0	0	0.0 %
14 - SOLAR	225,883	271,600	(45,717)	(16.8 %)
15	0	0	0	0.0 %
16 - TOTAL (MWH)	3,595,883	3,616,555	(20,672)	(0.6 %)
UNITS OF FUEL BURNED				
17 - HEAVY OIL (BBL)	0	0	0	0.0 %
18 - LIGHT OIL (BBL)	5,829	8,819	(2,990)	(33.9 %)
19 - COAL (TON)	108,785	88,154	20,631	23.4 %
20 - GAS (MCF)	23,568,413	23,465,840	102,573	0.4 %
21 - NUCLEAR (MMBTU)	0	0	0	0.0 %
22	0	0	0	0.0 %
23	0	0	0	0.0 %
BTUS BURNED (MILLION BTU)				
24 - HEAVY OIL	0	0	0	0.0 %
25 - LIGHT OIL	33,591	51,358	(17,767)	(34.6 %)
26 - COAL	2,452,449	2,033,492	418,957	20.6 %
27 - GAS	24,101,549	23,465,840	635,709	2.7 %
28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (MILLION BTU)	26,587,589	25,550,690	1,036,899	4.1 %
GENERATION MIX (% MWH)				
32 - HEAVY OIL	0.0	0.00	0.00	0.0 %
33 - LIGHT OIL	0.0	0.11	(0.08)	(68.2 %)
34 - COAL	6.1	4.79	1.31	27.3 %
35 - GAS	87.6	87.59	(0.00)	(0.0 %)
36 - NUCLEAR	0.0	0.00	0.00	0.0 %
37 - SOLAR	6.3	7.51	(1.23)	(16.4 %)
38	0.0	0	0.00	0.0 %
39 - TOTAL (% MWH)	100.0	100.0	0.00	0.0 %
FUEL COST PER UNIT (\$)				
40 - HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.0 %

A-3 Generating System Comparative Data Report

Report Period : 5/1/2023 to 5/1/2023

Duke Energy Florida, LLC

41 - LIGHT OIL (\$/BBL)	156.36	136.61	19.75	14.5 %
42 - COAL (\$/TON)	110.35	105.11	5.24	5.0 %
43 - GAS (\$/MCF)	3.60	4.25	(0.65)	(15.4 %)
44 - NUCLEAR (\$/MBTU)	0.00	0.00	0.00	0.0 %
45	0.00	0.00	0.00	0.0 %
46	0.00	0.00	0.00	0.0 %
FUEL COST PER MILLION BTU (\$/MILLION BTU)				
47 - HEAVY OIL	0.00	0.00	0.00	0.0 %
48 - LIGHT OIL	27.13	23.46	3.67	15.7 %
49 - COAL	4.89	4.56	0.34	7.4 %
50 - GAS	3.52	4.25	(0.73)	(17.3 %)
51 - NUCLEAR	0.00	0.00	0.00	0.0 %
52	0.00	0.00	0.00	0.0 %
53	0.00	0.00	0.00	0.0 %
54 - SYSTEM (\$/MBTU)	3.68	4.32	(0.64)	(14.8 %)
BTU BURNED PER KWH (BTU/KWH)				
55 - HEAVY OIL	0	0	0	0.0 %
56 - LIGHT OIL	26,521	12,801	13,719	107.2 %
57 - COAL	11,190	11,742	(551)	(4.7 %)
58 - GAS	7,652	7,408	245	3.3 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %
62 - SYSTEM (BTU/KWH)	7,394	7,065	329	4.7 %
GENERATED FUEL COST PER KWH (CENTS/KWH)				
63 - HEAVY OIL	0.00	0.00	0.00	0.0 %
64 - LIGHT OIL	71.96	30.03	41.93	139.6 %
65 - COAL	5.48	5.35	0.13	2.4 %
66 - GAS	2.69	3.15	(0.46)	(14.5 %)
67 - NUCLEAR	0.00	0.00	0.00	0.0 %
68	0.00	0.00	0.00	0.0 %
69	0.00	0.00	0.00	0.0 %
70 - SYSTEM (CENTS/KWH)	2.72	3.05	(0.33)	(10.9 %)

A-3 Generating System Comparative Data Report

Report Period : 1/1/2023 to 5/1/2023

Duke Energy Florida, LLC

<u>FUEL COST OF SYSTEM</u>	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
NET GENERATION (\$)				
1 - HEAVY OIL	0	0	0	0.0 %
2 - LIGHT OIL	6,039,222	5,400,075	639,147	11.8 %
3 - COAL	64,293,166	20,594,744	43,698,422	212.2 %
4 - GAS	444,254,011	473,546,467	(29,292,456)	(6.2 %)
5 - NUCLEAR	0	0	0	0.0 %
6	0	0	0	0.0 %
7	0	0	0	0.0 %
8 - TOTAL (\$)	514,586,399	499,541,286	15,045,113	3.0 %
SYSTEM NET GENERATION (MWH)				
9 - HEAVY OIL	0	0	0	0.0 %
10 - LIGHT OIL	7,263	18,627	(11,364)	(61.0 %)
11 - COAL	1,128,096	340,719	787,377	231.1 %
12 - GAS	13,428,724	13,859,017	(430,293)	(3.1 %)
13 - NUCLEAR	0	0	0	0.0 %
14 - SOLAR	848,547	947,771	(99,224)	(10.5 %)
15	0	0	0	0.0 %
16 - TOTAL (MWH)	15,412,630	15,166,134	246,496	1.6 %
UNITS OF FUEL BURNED				
17 - HEAVY OIL (BBL)	0	0	0	0.0 %
18 - LIGHT OIL (BBL)	38,233	39,301	(1,068)	(2.7 %)
19 - COAL (TON)	554,190	170,245	383,945	225.5 %
20 - GAS (MCF)	99,385,758	100,397,463	(1,011,705)	(1.0 %)
21 - NUCLEAR (MMBTU)	0	0	0	0.0 %
22	0	0	0	0.0 %
23	0	0	0	0.0 %
BTUS BURNED (MILLION BTU)				
24 - HEAVY OIL	0	0	0	0.0 %
25 - LIGHT OIL	213,781	226,398	(12,617)	(5.6 %)
26 - COAL	12,455,971	3,917,761	8,538,210	217.9 %
27 - GAS	101,533,036	100,938,059	594,977	0.6 %
28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (MILLION BTU)	114,202,789	105,082,218	9,120,571	8.7 %
GENERATION MIX (% MWH)				
32 - HEAVY OIL	0.0	0.00	0.00	0.0 %
33 - LIGHT OIL	0.0	0.12	(0.08)	(61.6 %)
34 - COAL	7.3	2.25	5.07	225.8 %
35 - GAS	87.1	91.38	(4.25)	(4.7 %)
36 - NUCLEAR	0.0	0.00	0.00	0.0 %
37 - SOLAR	5.5	6.25	(0.74)	(11.9 %)
38	0.0	0	0.00	0.0 %
39 - TOTAL (% MWH)	100.0	100.0	0.00	0.0 %
FUEL COST PER UNIT (\$)				
40 - HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.0 %

A-3 Generating System Comparative Data Report

Report Period : 1/1/2023 to 5/1/2023

Duke Energy Florida, LLC

41 - LIGHT OIL (\$/BBL)	157.96	137.40	20.56	15.0 %
42 - COAL (\$/TON)	116.01	120.97	(4.96)	(4.1 %)
43 - GAS (\$/MCF)	4.47	4.72	(0.25)	(5.2 %)
44 - NUCLEAR (\$/MBTU)	0.00	0.00	0.00	0.0 %
45	0.00	0.00	0.00	0.0 %
46	0.00	0.00	0.00	0.0 %
FUEL COST PER MILLION BTU (\$/MILLION BTU)				
47 - HEAVY OIL	0.00	0.00	0.00	0.0 %
48 - LIGHT OIL	28.25	23.85	4.40	18.4 %
49 - COAL	5.16	5.26	(0.10)	(1.8 %)
50 - GAS	4.38	4.69	(0.32)	(6.7 %)
51 - NUCLEAR	0.00	0.00	0.00	0.0 %
52	0.00	0.00	0.00	0.0 %
53	0.00	0.00	0.00	0.0 %
54 - SYSTEM (\$/MBTU)	4.51	4.75	(0.25)	(5.2 %)
BTU BURNED PER KWH (BTU/KWH)				
55 - HEAVY OIL	0	0	0	0.0 %
56 - LIGHT OIL	29,434	12,154	17,280	142.2 %
57 - COAL	11,042	11,499	(457)	(4.0 %)
58 - GAS	7,561	7,283	278	3.8 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %
62 - SYSTEM (BTU/KWH)	7,410	6,929	481	6.9 %
GENERATED FUEL COST PER KWH (CENTS/KWH)				
63 - HEAVY OIL	0.00	0.00	0.00	0.0 %
64 - LIGHT OIL	83.15	28.99	54.16	186.8 %
65 - COAL	5.70	6.04	(0.35)	(5.7 %)
66 - GAS	3.31	3.42	(0.11)	(3.2 %)
67 - NUCLEAR	0.00	0.00	0.00	0.0 %
68	0.00	0.00	0.00	0.0 %
69	0.00	0.00	0.00	0.0 %
70 - SYSTEM (CENTS/KWH)	3.34	3.29	0.04	1.4 %

A-4 System Net Generation and Fuel Cost Report

Report Period : 5/1/2023 to 5/1/2023

Duke Energy Florida, LLC

A) PLANT	(B) NET CAP (MW)	(C) NET GENERATION (MWH)	(D) CAP FAC.	(E) EQUIV AVAIL FAC(%)	(F) NET OUTPUT FAC(%)	(G) AVE NET HEAT RATE (BTU/KWH)	(H) FUEL TYPE	(I) FUEL BURN (UNITS)	(J) FUEL HEAT VALUE (MMBTU/UNIT)	(K) FUEL BURNED (MMBTU)	(L) AS BURNED FUEL COST (\$)	(M) FUEL COST PER KWH (CENTS/KWH)	(N) FUEL COST PER UNIT (\$)
Solar													
Bay Ranch Solar Facility													
TOTAL UNIT 1	74.9	18,477.00	33			0				0	0	0.000	
Bay Trail Solar													
TOTAL UNIT 1	74	10,633.00	19			0				0	0	0.000	
Charlie Creek Solar													
TOTAL UNIT 1	74.9	18,115.00	33			0				0	0	0.000	
Columbia Solar 1													
TOTAL CSF 1	74.9	12,247.00	22			0				0	0	0.000	
Debary Solar 1													
TOTAL DSF 1	74.5	9,840.00	18			0				0	0	0.000	
Duette Solar													
TOTAL UNIT 1	74.5	15,865.00	29			0				0	0	0.000	
Fort Green Solar													
TOTAL UNIT 1	74	8,234.00	15			0				0	0	0.000	
Hamilton Solar Facility													
TOTAL HSF 1	74.9	14,809.00	27			0				0	0	0.000	
Hardeetown Solar Facility													
TOTAL UNIT 1	74.9	17,145.00	31			0				0	0	0.000	
High Springs Solar Facility													
TOTAL UNIT 1	74.9	16,467.00	30			0				0	0	0.000	
Hildreth Solar Facility													
TOTAL UNIT 1	74.9	18,243.00	33			0				0	0	0.000	
Lake Placid Solar Facility													
TOTAL LKP 1	45	6,728.00	20			0				0	0	0.000	
Osceola Solar Facility 1													
TOTAL UNIT 1	4	264.00	9			0				0	0	0.000	
Perry Solar Facility 1													
TOTAL UNIT 1	5	406.00	11			0				0	0	0.000	
Sandy Creek Solar													
TOTAL UNIT 1	74.9	14,918.00	27			0				0	0	0.000	
Santa Fe Solar Facility													
TOTAL Unit 1	74.9	15,383.00	28			0				0	0	0.000	
Suwanee Solar Facility													
TOTAL UNIT 1	9	1,417.00	21			0				0	0	0.000	
Trenton Solar Facility													
TOTAL TRN 1	74.9	10,808.00	19			0				0	0	0.000	
Twin Rivers Solar Facility													
TOTAL Unit 1	74.9	15,756.00	28			0				0	0	0.000	
St. Pete Pier													
TOTAL Unit 1	0.35	64.21	25			0				0	0	0.000	
Clearwater Marine Aquarium (Dolphin Solar)													
TOTAL Unit 1	0.25	63.45	34			0				0	0	0.000	
TOTAL Solar	1,184.5	225,882.66				0				0	0	0.000	
Steam													
Anclote													

A-4 System Net Generation and Fuel Cost Report

Report Period : 5/1/2023 to 5/1/2023

Duke Energy Florida, LLC

A) PLANT	(B) NET CAP (MW)	(C) NET GENERATION (MWH)	(D) CAP FAC.	(E) EQUIV AVAIL FAC(%)	(F) NET OUTPUT FAC(%)	(G) AVE NET HEAT RATE (BTU/KWH)	(H) FUEL TYPE	(I) FUEL BURN (UNITS)	(J) FUEL HEAT VALUE (MMBTU/UNIT)	(K) FUEL BURNED (MMBTU)	(L) AS BURNED FUEL COST (\$)	(M) FUEL COST PER KWH (CENTS/KWH)	(N) FUEL COST PER UNIT (\$)
TOTAL UNIT 1	521	34,653.00	9			11,591	Gas	393,397	1.021	401,658	1,512,354	4.364	3.844
TOTAL UNIT 2	514	90,283.00	24			13,958	Gas	1,234,241	1.021	1,260,160	4,744,850	5.256	3.844
Crystal River 4 & 5													
TOTAL UNIT 4	721	18,901.00	4			10,715	Coal No 2	8,809 686	22.544 5.744	198,590 3,940	972,089 123,568	5.143 0.000	110.352 180.129
TOTAL UNIT 5	721	200,261.00	37			11,318	Coal No 2	99,976 2,224	22.544 5.747	2,253,859 12,782	11,032,531 400,606	5.509 0.000	110.352 180.129
TOTAL Steam	2,477	344,098.00				12,005				4,130,989	18,785,998	5.459	
Gas Turbine													
Bartow Combined Cycle													
TOTAL BCC	1,259	644,783.00	69			7,494	Gas	4,732,416	1.021	4,831,798	15,128,036	2.346	3.197
Bartow Peaker													
TOTAL BAP	223	1,584.73	1			13,686	No 2 Gas	219 21,263	5.704 1.020	1,249 21,688	26,164 108,635	28.666 6.855	119.472 5.109
Bayboro Peaker													
TOTAL BYP	171	43.40	0			15,972	No 2	121	5.729	693	14,278	32.898	117.998
Citrus County													
TOTAL CCCC	1,854	926,115.00	67			6,943	Gas	6,261,399	1.027	6,430,457	26,279,549	2.838	4.197
Debary Peaker													
TOTAL DEP	578	495.33 6,054.67	2			12,320	No 2 Gas	1,058 72,985	5.768 1.022	6,102 74,591	134,335 281,497	27.120 4.649	126.971 3.857
Hines Energy													
TOTAL HEP	2,169	1,071,876.00	66			7,464	Gas	7,836,147	1.021	8,000,705	27,075,653	2.526	3.455
Intercession City Peaker													
TOTAL ICP	849	636.84 22,888.16	4			13,856	No 2 Gas	1,521 310,017	5.802 1.023	8,824 317,147	212,460 993,601	33.362 4.341	139.685 3.205
Osprey													
TOTAL OSP	611	177,937.00	39			7,503	Gas	1,307,538	1.021	1,334,997	4,178,168	2.348	3.195
Suwannee Peaker													
TOTAL SRP	136	2,987.80 2,987.70	3			14,083	Gas	41,463	1.020	42,292	159,465	5.310	3.846
Tiger Bay Cogen													
TOTAL TBP	230	134,429.00	79			7,733	Gas	1,018,139	1.021	1,039,520	3,255,272	2.422	3.197
Univ of Florida Cogen													
TOTAL UFP	50	35,981.20 35,981.00	97			9,631	Gas	339,408	1.021	346,536	1,120,827	3.115	3.302
TOTAL Gas Turbine	8,130	3,025,902.70				7,421				22,456,600	78,967,941	2.610	0.000

A-4 System Net Generation and Fuel Cost Report

Report Period : 5/1/2023 to 5/1/2023

Duke Energy Florida, LLC

A) PLANT	(B) NET CAP (MW)	(C) NET GENERATION (MWH)	(D) CAP FAC.	(E) EQUIV AVAIL FAC(%)	(F) NET OUTPUT FAC(%)	(G) AVE NET HEAT RATE (BTU/KWH)	(H) FUEL TYPE	(I) FUEL BURN (UNITS)	(J) FUEL HEAT VALUE (MMBTU/UNIT)	(K) FUEL BURNED (MMBTU)	(L) AS BURNED FUEL COST (\$)	(M) FUEL COST PER KWH (CENTS/KWH)	(N) FUEL COST PER UNIT (\$)
SYSTEM TOTAL	11,791.5	3,595,883.36				7,394				26,587,589	97,753,939	2.718	

A-4 System Net Generation and Fuel Cost Report

Report Period : 1/1/2023 to 5/1/2023

Duke Energy Florida, LLC

A) PLANT	(B) NET CAP (MW)	(C) NET GENERATION (MWH)	(D) CAP FAC	(E) EQUIV AVAIL FAC(%)	(F) NET OUTPUT FAC(%)	(G) AVE NET HEAT RATE (BTU/KWH)	(H) FUEL TYPE	(I) FUEL BURN (UNITS)	(J) FUEL HEAT VALUE (MMBTU/UNIT)	(K) FUEL BURNED (MMBTU)	(L) AS BURNED FUEL COST (\$)	(M) FUEL COST PER KWH (CENTS/KWH)	(N) FUEL COST PER UNIT (\$)
Anclote													
TOTAL UNIT 1	521	166,049.00	9			11,344	Gas	1,990,108	0.947	1,883,672	8,639,590	5.203	4.691
		346,209.00					Gas	4,430,396	1.030	4,563,714	17,556,916	5.071	3.927
TOTAL UNIT 2	514	346,209.00	19			13,182				4,563,714	17,556,916	5.071	
Crystal River 4 & 5													
TOTAL UNIT 4	721	541,596.00	21			11,267	Coal No 2	269,458 9,730	22.452 5.750	6,049,998 52,243	31,435,969 1,697,635	5.804 0.000	116.664 186.841
		586,500.00					Coal	284,732	22.498	6,405,973	32,857,196	5.602	115.397
TOTAL UNIT 5	721	586,500.00	22			11,027	No 2	10,782	5.752	61,293	2,129,592	0.000	199.849
TOTAL Steam	2,477	1,640,354.00				11,593				19,016,892	94,316,899	5.750	
Gas Turbine													
Bartow Combined Cycle													
TOTAL BCC	1,259	2,918,900.00	64			7,549	Gas	21,604,438	1.020	22,034,711	89,516,070	3.067	4.143
		2,918,900.00								22,034,711	89,516,070	3.067	
Bartow Peaker													
TOTAL BAP	223	406.13	1			15,008	No 2	1,067	5.712	6,095	127,666	31.434	119.649
		7,623.87					Gas	112,145	1.021	114,417	459,509	6.027	4.101
		8,030.00								120,512	587,175	7.312	
Bayboro Peaker													
TOTAL BYP	229	3,720.60	0			13,750	No 2	8,957	5.712	51,158	1,054,456	28.341	117.724
		3,721.00								51,158	1,054,456	28.341	
Citrus County													
TOTAL CCCC	1,854	4,752,427.00	71			6,851	Gas	31,688,888	1.027	32,557,045	162,516,843	3.420	5.129
		4,752,427.00								32,557,045	162,516,843	3.420	
Debary Peaker													
TOTAL DEP	578	1,322.55	2			13,751	No 2	3,153	5.768	18,186	399,595	30.214	126.735
		44,232.45					Gas	594,679	1.023	608,366	2,494,193	5.637	4.194
		45,555.50								626,552	2,893,788	6.351	
Hines Energy													
TOTAL HEP	2,169	4,177,022.00	53			7,395	Gas	30,267,977	1.021	30,889,090	128,153,351	3.068	4.234
		4,177,022.00								30,889,090	128,153,351	3.068	
Intercession City Peaker													
TOTAL ICP	1,072	1,813.81	2			13,883	No 2	4,486	5.803	24,806	623,128	34.874	145.761
		92,547.19					Gas	1,257,945	1.021	1,284,840	4,870,660	5.263	3.872
		94,361.00								1,309,647	5,493,788	5.824	
Osprey													
TOTAL OSP	611	451,051.00	20			7,573	Gas	3,345,221	1.021	3,415,951	14,924,763	3.308	4.460
		451,051.00								3,415,951	14,924,763	3.308	
Suwannee Peaker													
TOTAL SRP	136	16,076.80	3			14,293	Gas	226,068	1.022	230,961	970,459	6.006	4.293
		16,076.60								230,961	970,459	6.006	
Tiger Bay Cogen													
TOTAL TBP	230	305,236.00	37			7,840	Gas	2,346,512	1.020	2,392,962	7,984,120	2.325	3.025
		305,236.00								2,392,962	7,984,120	2.325	
Univ of Florida Cogen													
		0.00					No 2	58	0.000	0	7,151	0.000	0.000

A-4 System Net Generation and Fuel Cost Report

Report Period : 1/1/2023 to 5/1/2023

Duke Energy Florida, LLC

A) PLANT	(B) NET CAP (MW)	(C) NET GENERATION (MWH)	(D) CAP FAC	(E) EQUIV AVAIL FAC(%)	(F) NET OUTPUT FAC(%)	(G) AVE NET HEAT RATE (BTU/KWH)	(H) FUEL TYPE	(I) FUEL BURN (UNITS)	(J) FUEL HEAT VALUE (MMBTU/UNIT)	(K) FUEL BURNED (MMBTU)	(L) AS BURNED FUEL COST (\$)	(M) FUEL COST PER KWH (CENTS/KWH)	(N) FUEL COST PER UNIT (\$)
TOTAL UFP	50	151,349.80 151,350.00	84			10,289	Gas	1,521,381	1.024	1,557,309	6,167,536 6,174,687	4.075 4.080	4.054
TOTAL Gas Turbine	8,411	12,923,730.10				7,365				95,185,896	420,269,500	3.245	0.000
SYSTEM TOTAL	12,072.5	15,412,630.83				7,410				114,202,788	514,586,399	3.339	

A-5 System Generation Fuel Cost Report

Report Period : 5/1/2023 to 5/1/2023

Duke Energy Florida, LLC

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
HEAVY OIL				
1 - PURCHASES				
2 - UNITS (BBL)	0	0	0	0.00%
3 - UNIT COST (\$/BBL)	0.00	0.00	0.00	0.00%
4 - AMOUNT (\$)	0	0	0	0.00%
5 - BURNED				
6 - UNITS (BBL)	0	0	0	0.00%
7 - UNIT COST (\$/BBL)	0.00	0.00	0.00	0.00%
8 - AMOUNT (\$)	0	0	0	0.00%
9 - ADJUSTMENTS				
10 - UNITS (BBL)	0		0	0.00%
11 - AMOUNT (\$)	0		0	0.00%
12 - ENDING INVENTORY				
13 - UNITS (BBL)	0	0	0	0.00%
14 - UNIT COST (\$/BBL)	0.00	0.00	0.00	0.00%
15 - AMOUNT (\$)	0	0	0	0.00%
16 -				
17 - DAYS SUPPLY	0	0	0	0.00%
LIGHT OIL				
18 - PURCHASES				
19 - UNITS (BBL)	16,759	8,819	7,940	90.0%
20 - UNIT COST (\$/BBL)	124.48	136.61	(12.13)	(8.9%)
21 - AMOUNT (\$)	2,086,162	1,204,771	881,391	73.2%
22 - BURNED				
23 - UNITS (BBL)	5,829	8,819	(2,990)	(33.9%)
24 - UNIT COST (\$/BBL)	156.36	136.61	19.75	14.5%
25 - AMOUNT (\$)	911,412	1,204,771	(293,359)	(24.3%)
26 - ADJUSTMENTS				
27 - UNITS (BBL)	0			
28 - AMOUNT (\$)	0			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	543,594	439,376	104,218	23.7%
31 - UNIT COST (\$/BBL)	124.98	123.48	1.50	1.2%
32 - AMOUNT (\$)	67,940,682	54,254,101	13,686,581	25.2%
33 -				
34 - DAYS SUPPLY	2,888	1,495	1,393	93.2%

A-5 System Generation Fuel Cost Report

Report Period : 5/1/2023 to 5/1/2023

Duke Energy Florida, LLC

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	172,084	88,154	83,930	95.2%
37 - UNIT COST (\$/TON)	98.72	105.11	(6.39)	(6.1%)
38 - AMOUNT (\$)	16,988,687	9,265,816	7,722,871	83.3%
39 - BURNED				
40 - UNITS (TON)	108,785	88,154	20,631	23.4%
41 - UNIT COST (\$/TON)	110.35	105.11	5.24	5.0%
42 - AMOUNT (\$)	12,004,620	9,265,816	2,738,804	29.6%
43 - ADJUSTMENTS				
44 - UNITS (TON)	(12,555)			
45 - AMOUNT (\$)	(1,540,875)			
46 - ENDING INVENTORY				
47 - UNITS (TON)	577,754	602,472	(24,718)	(4.1%)
48 - UNIT COST (\$/TON)	110.08	126.60	(16.52)	(13.0%)
49 - AMOUNT (\$)	63,600,754	76,275,651	(12,674,897)	(16.6%)
50 -				
51 - DAYS SUPPLY	165	205	(40)	(19.7%)
GAS				
52 - BURNED				
53 - UNITS (MCF)	23,568,413	23,465,840	102,573	0.4%
54 - UNIT COST (\$/MCF)	3.60	4.25	(0.65)	(15.4%)
55 - AMOUNT (\$)	84,837,908	99,819,054	(14,981,146)	(15.0%)
NUCLEAR				
56 - BURNED				
57 - UNITS (MMBTU)	0	0	0	0.0%
58 - UNIT COST (\$/MMBTU)	0.00	0.00	0.00	0.0%
59 - AMOUNT (\$)	0	0	0	0.0%

A-5 System Generation Fuel Cost Report

Report Period : 1/1/2023 to 5/1/2023

Duke Energy Florida, LLC

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
HEAVY OIL				
1 - PURCHASES				
2 - UNITS (BBL)	0	0	0	0.0%
3 - UNIT COST (\$/BBL)	0.00	0.00	0.00	0.0%
4 - AMOUNT (\$)	0	0	0	0.0%
5 - BURNED				
6 - UNITS (BBL)	0	0	0	0.0%
7 - UNIT COST (\$/BBL)	0.00	0.00	0.00	0.0%
8 - AMOUNT (\$)	0	0	0	0.0%
9 - ADJUSTMENTS				
10 - UNITS (BBL)	0		0	0.0%
11 - AMOUNT (\$)	0		0	0.0%
12 - ENDING INVENTORY				
13 - UNITS (BBL)	0	0	0	0.0%
14 - UNIT COST (\$/BBL)	0.00	0.00	0.00	0.0%
15 - AMOUNT (\$)	0	0	0	0.0%
16 -				
17 - DAYS SUPPLY	0	0	0	0.0%
LIGHT OIL				
18 - PURCHASES				
19 - UNITS (BBL)	156,049	52,894	103,155	195.0%
20 - UNIT COST (\$/BBL)	140.81	144.60	(3.78)	(2.6%)
21 - AMOUNT (\$)	21,974,015	7,648,287	14,325,728	187.3%
22 - BURNED				
23 - UNITS (BBL)	38,233	39,301	(1,068)	(2.7%)
24 - UNIT COST (\$/BBL)	157.96	137.40	20.56	15.0%
25 - AMOUNT (\$)	6,039,222	5,400,075	639,147	11.8%
26 - ADJUSTMENTS				
27 - UNITS (BBL)	0			
28 - AMOUNT (\$)	0			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	543,594	439,376	104,218	23.7%
31 - UNIT COST (\$/BBL)	124.98	123.48	1.50	1.2%
32 - AMOUNT (\$)	67,940,682	54,254,101	13,686,581	25.2%
33 -				
34 - DAYS SUPPLY	0	0	0	0.0%

A-5 System Generation Fuel Cost Report

Report Period : 1/1/2023 to 5/1/2023

Duke Energy Florida, LLC

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	653,206	281,425	371,781	132.1%
37 - UNIT COST (\$/TON)	105.53	129.55	(24.02)	(18.5%)
38 - AMOUNT (\$)	68,935,046	36,459,611	32,475,435	89.1%
39 - BURNED				
40 - UNITS (TON)	554,190	170,245	383,945	225.5%
41 - UNIT COST (\$/TON)	116.01	120.97	(4.96)	(4.1%)
42 - AMOUNT (\$)	64,293,166	20,594,744	43,698,422	212.2%
43 - ADJUSTMENTS				
44 - UNITS (TON)	(12,555)			
45 - AMOUNT (\$)	(1,540,875)			
46 - ENDING INVENTORY				
47 - UNITS (TON)	577,754	602,472	(24,718)	(4.1%)
48 - UNIT COST (\$/TON)	110.08	126.60	(16.52)	(13.0%)
49 - AMOUNT (\$)	63,600,754	76,275,651	(12,674,897)	(16.6%)
50 -				
51 - DAYS SUPPLY	0	0	0	0.0%
GAS				
52 - BURNED				
53 - UNITS (MCF)	99,385,758	100,397,463	(1,011,705)	(1.0%)
54 - UNIT COST (\$/MCF)	4.47	4.72	(0.25)	(5.2%)
55 - AMOUNT (\$)	444,254,011	473,546,467	(29,292,456)	(6.2%)
NUCLEAR				
56 - BURNED				
57 - UNITS (MMBTU)	0	0	0	0.0%
58 - UNIT COST (\$/MMBTU)	0.00	0.00	0.00	0.0%
59 - AMOUNT (\$)	0	0	0	0.0%

ATTACHMENT #1
 SCHEDULE A-5
 May 2023

HEAVY OIL		
UNITS	AMOUNT	
0	0	TOTAL

LIGHT OIL		
UNITS	AMOUNT	
0	\$ -	TOTAL

COAL		
UNITS	AMOUNT	
(12,555)	\$ (1,540,875.15)	Aerial Survey adjustment
(12,555)	\$ (1,540,875.15)	TOTAL

Duke Energy Florida, LLC
Schedule A6
Power Sold for the Month of
May 2023

(1)	(2)	(3)	(4)	(5)	(6a)	(6b)	(7)	(8)	(9)
Sold To	Type & Schedule	Total KWH Sold (000)	Wheeled from Other Systems (000)	KWH from Own Generation (000)	Fuel Cost C/KWH	Total Cost C/KWH	Fuel Adj Total \$	Total Cost \$	Gain on Sales \$
ESTIMATED		14,617		14,617	3.785	4.724	553,241.00	690,428	137,187.00
ACTUAL									
Florida Municipal Power Agency	CR-1	3,600		3,600	1.452	1.765	52,284.00	63,528.00	11,244.00
PJM Settlements, Inc	MR1	201		201	1.264	1.156	2,541.09	2,322.95	(218.14)
Reedy Creek Improvement District	CR-1	5,570		5,570	1.321	1.751	73,552.55	97,515.00	23,962.45
Tampa Electric Company	CR-1	7,700		7,700	3.017	4.543	232,321.80	349,820.53	117,498.73
The Energy Authority	Schedule OS	650		650	1.625	2.009	10,564.55	13,060.00	2,495.45
Adjustments									
PJM Settlements, Inc								634.90	634.90
Subtotal - Gain on Other Power Sales		17,721	-	17,721	2.095	2.973	371,263.99	526,881.38	155,617.39
CURRENT MONTH TOTAL		17,721		17,721	2.095	2.973	371,263.99	526,881.38	155,617.39
DIFFERENCE		3,104		3,104	(1.690)	(1.750)	(181,977.01)	(163,546.62)	18,430.39
DIFFERENCE %		21.24		21.24	(44.65)	(37.06)	(32.89)	(23.69)	13.43

DUKE ENERGY FLORIDA, LLC
SCHEDULE A7

PURCHASED POWER
EXCLUSIVE OF ECONOMY PURCHASES
FOR THE MONTH OF:
MAY, 2023

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
PURCHASED FROM	TYPE & SCHEDULE	TOTAL KWH PURCHASED (000)	KWH FOR UTILITIES (000)	KWH FOR INTERRUPTIBLE (000)	KWH FOR FIRM (000)	FUEL COST C/KWH	TOTAL COST C/KWH	TOTAL AMOUNT FOR FUEL ADJ \$	FUEL COST \$
ESTIMATED		81,292			81,292	5.994	5.994	4,873,042.28	4,873,042.28
ACTUAL									
Shady Hills Power Company, L.L.C.	TOLL	10,979			10,979	6.007	6.007	659,492.56	659,492.56
Vandolah Power Company L.L.C.	TOLL	54,819			54,819	5.069	5.069	2,778,778.32	2,778,778.32
ADJUSTMENTS									
Shady Hills Power Company, L.L.C.	TOLL	(122)			(122)	72.313	72.313	(88,221.98)	(88,221.98)
Vandolah Power Company L.L.C.	TOLL	(99)			(99)	(39.069)	(39.069)	38,678.21	38,678.21
CURRENT MONTH TOTAL		65,577			65,577	5.168	5.168	3,388,727.11	3,388,727.11
DIFFERENCE		(15,715)			(15,715)	(0.827)	(0.827)	(1,484,315.17)	(1,484,315.17)
DIFFERENCE %		(19)			(19)	(13.795)	(13.795)	(30.46)	(30.46)
CUMULATIVE ACTUAL		329,597			329,597	5.355	5.355	17,648,298.930	17,648,298.930
CUMULATIVE ESTIMATED		217,823			217,823	6.050	6.050	13,178,405.06	13,178,405.06
DIFFERENCE		111,774			111,774	(0.696)	(0.696)	4,469,893.87	4,469,893.87
DIFFERENCE %		51			51	(11.496)	(11.496)	33.92	33.92

DUKE ENERGY FLORIDA, LLC
SCHEDULE A8

ENERGY PAYMENT TO QUALIFYING FACILITIES
FOR THE MONTH OF:
MAY, 2023

(1) PURCHASED FROM	(2) TYPE & SCHEDULE	(3) TOTAL PURCHASED KWH (000)	(4) KWH FOR OTHER UTILITIES (000)	(5) KWH FOR INTERRUPTIBLE	(6) KWH FOR FIRM (000)	(7) ENERGY COST C/KWH	(8) TOTAL COST C/KWH	(9) TOTAL AMOUNT FOR FUEL ADJ \$
ESTIMATED		217,266			217,266	6.791	21.445	14,754,299.83
ACTUAL								
Citrus World (CITRUS) ADJ	CO-GEN	0 (0)			0 (0)	1.700	1.700	0.51 (28.28)
Lake County (LAKCOUNT) ADJ	CO-GEN	516 -			516 -	2.121	2.121	10,942.69 (1,118.62)
Orange Cogen (ORANGEAS) ADJ	CO-GEN	524 -			524 -	2	1.824	9,557.64 (1,327.44)
Orange Cogen (ORANGECO) ADJ	CO-GEN	33,882 -			33,882 -	6	25.465	1,956,313.27 (164,806.09)
Orlando Cogen Limited (ORLACOGL) ADJ	CO-GEN	89,323 -			89,323 -	7.720	14.568	6,895,921.23 (760,828.33)
Pasco County Resource Recovery (PASCOUNT) ADJ	CO-GEN	17,383 -			17,383 -	2.167	16.880	376,610.35 (27,184.52)
PCS Phosphate (OCSWFCKR) ADJ	CO-GEN	21 13			21 13	2.025	2.025	418.06 235.36
Pinellas County Resource Recovery (PINCOUNT) ADJ	CO-GEN	35,920 -			35,920 -	2.242	19.385	805,495.25 4,930.09
Polk Power Partners, L.P. (MULBERRY) ADJ	CO-GEN	33,607 -			33,607 -	3.200	31.001	1,075,466.83 24,485.41
CURRENT MONTH TOTAL		211,188			211,188	4.832	19.876	10,205,083.40
DIFFERENCE		(6,078)			(6,078)	(1.959)	(1.569)	(4,549,216.43)
DIFFERENCE %		(2.80)			(2.80)	(28.84)	(7.32)	(30.83)
CUMULATIVE ACTUAL		984,481			984,481	6.054	22.197	59,596,716.65
CUMULATIVE ESTIMATED		1,004,821			1,004,821	7.068	22.911	71,024,112.64
CUMULATIVE DIFFERENCE		(20,340)			(20,340)	(1.015)	(0.714)	(11,427,395.99)
CUMULATIVE DIFFERENCE %		(2.02)			(2.02)	(14.36)	(3.12)	(16.09)

DUKE ENERGY FLORIDA, LLC
SCHEDULE A9

ECONOMY ENERGY PURCHASES
INCLUDING LONG TERM PURCHASES
FOR THE MONTH OF:
MAY, 2023

(1) PURCHASED FROM	(2) TYPE & & SCHEDULE	(3) TOTAL KWH PURCHASED (000)	(4) ENERGY COST C/KWH	(5) TOTAL AMOUNT FOR FUEL ADJ \$	(6) COST IF GENERATED C/KWH	(7) COST IF GENERATED \$	(8) FUEL SAVINGS \$
ESTIMATED		6,496	4.669	303,325.34	5.363	348,393.00	45,067.66
ACTUAL:							
SubTotal - Energy Purchases (Broker)							
SEPA	Hydro	2,800	3.792	106,177.97	3.792	106,177.97	
Constellation Energy Generation, LLC	InternationalSwapsDe	7,460	3.856	287,680.00	4.631	345,504.80	57,824.80
Duke Electric Transmission	Transmission Purchase	-	0.000	751.44	0.000	-	(751.44)
Florida Power & Light Company	Transmission Purchase	-	0.000	25,039.85	0.000	-	(25,039.85)
Florida Power & Light Company		3,600	5.367	193,200.00	2.840	102,234.00	(90,966.00)
Macquarie Energy LLC		1,000	3.800	38,000.00	4.880	48,800.00	10,800.00
Morgan Stanley Capital Group Inc.	EEl	3,250	3.512	114,150.00	3.884	126,229.50	12,079.50
Orlando Utilities Commission	Schedule OS	200	4.000	8,000.00	2.759	5,518.00	(2,482.00)
Rainbow Energy Marketing Corporation		1,528	6.300	96,264.00	4.107	62,754.96	(33,509.04)
Southern Company Services, Inc.	EEl	450	3.800	17,100.00	5.675	25,537.50	8,437.50
Southern Company Services, Inc. Transmission	Transmission Purchase	-	0.000	2,127.27	0.000	-	(2,127.27)
ADJUSTMENTS							
Florida Power & Light Company				5,553.12			(5,553.12)
Jacksonville Electric Authority				2,964.16			(2,964.16)
Southern Company Services, Inc. Transmission				(603.12)			603.12
Tampa Electric Company				0.13			(0.13)
PJM Settlements				2,736.20			(2,736.20)
SubTotal - Energy Purchases (Non-Broker)							
		20,288	4.432	899,141.02	4.055	822,756.73	(76,384.29)
CURRENT MONTH TOTAL							
		20,288	4.432	899,141.02	4.055	822,756.73	(76,384.29)
DIFFERENCE							
		13,791.952	(0.237)	595,815.68	(1.308)	474,363.73	(121,451.95)
DIFFERENCE %							
		212	(5.086)	196.43	(24.384)	136.16	(269.49)
CUMULATIVE ACTUAL							
		132,066	5.745	7,586,701.13	4.648	6,137,846.45	(1,448,854.68)
CUMULATIVE ESTIMATED							
		50,888	4.960633131	2,524,374.28	5.536465024	2,817,404.46	293,030.18
DIFFERENCE							
		81,178	0.784	5,062,326.85	(0.889)	3,320,441.99	(1,741,884.86)
DIFFERENCE %							
		160	15.804	200.54	(16.056)	117.85	(594.44)

DUKE ENERGY FLORIDA
SCHEDULE A12 - CAPACITY COSTS
FOR THE PERIOD JAN - DEC 2023

Counterparty	Type	MW	Start Date - End Date	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
1 Orange Cogen (ORANGECO)	QF	74.00	7/1/95 - 12/31/24	6,555,590	6,666,916	6,754,411	6,739,759	6,836,499								33,553,175
2 Orlando Cogen Limited (ORLACOGL)	QF	79.20	9/1/93 - 12/31/23	6,877,246	6,877,246	6,877,246	6,877,246	6,877,246								34,386,229
3 Pasco County Resource Recovery (PASCOUNT)	QF	23.00	1/1/95 - 12/31/24	2,584,740	2,584,740	2,584,740	2,584,740	2,584,740								12,923,700
4 Pinellas County Resource Recovery (PINCOUNT)	QF	54.75	1/1/95 - 12/31/24	6,152,805	6,152,805	6,152,805	6,152,805	6,152,805								30,764,025
5 Polk Power Partners, L.P. (MULBERRY)	QF	115.00	8/1/94 - 8/8/24	9,296,612	9,268,192	9,289,076	9,318,973	9,318,602								46,491,454
6 Wheelabrator Ridge Energy, Inc. (RIDGEGEN)	QF	39.60	8/1/94 - 1/31/19	0	0	0	0	0								0
7 Southern purchase - Franklin	PPA	425	6/1/16 - 5/31/21	0	0	0	0	0								0
8 Retail Wheeling				(14,758)	(63,766)	(68,987)	(30,547)	(39,196)								(217,254)
9 DOE Settlement-Spent Fuel Claim				1,610,745	1,610,745	1,610,745	1,610,745	1,610,745								8,053,727
10 ISFSI Return				573,320	573,320	573,320	573,320	573,320								2,866,599
11 Vandolah Capacity Purchase	PPA	669	June 2012 - May 2027	3,024,289	2,989,130	2,032,828	2,010,620	2,891,550								12,948,418
12 Capacity Sales and Purchases	Other	-1	on-going no term date	0	0	205,200	(89,560)	(122,423)								(6,783)
13 Shady Hills Tolling	PPA	517	4/1/07-4/30/24	1,976,940	1,976,940	1,412,100	1,371,600	1,920,240								8,657,820
14 RidgeGen Agreement Termination				583,616	580,096	579,314	573,796	570,190								2,887,012
15 Production Tax Credits				0	0	0	(1,536,586)	(1,056,332)								(2,592,918)
16 SoBRA True-Up - Twin Rivers				0	0	0	0	0								0
17 SoBRA True-Up - Santa Fe (Base Rate Adjmt)				(32,191)	(32,191)	(32,191)	(32,191)	(32,191)								(160,955)
18 SoBRA True-Up - Twin Rivers (Base Rate Adjmt)				(44,454)	(44,454)	(44,454)	(44,454)	(44,454)								(222,270)
19 SoBRA True-Up - Duette (2022 Base Rate Adjmt)				(1,144,593)	0	0	0	0								(1,144,593)
20 SoBRA - Sandy Creek (Base Rate Adjmt)				0	0	0	0	0								0
TOTAL				37,999,908	39,139,719	37,926,153	36,080,267	38,041,340	0	0	0	0	0	0	0	189,187,387