



Stephanie A. Cuello
SENIOR COUNSEL

February 20, 2024

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. 20240001-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 January 2024.

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. 20240001-EI

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished via electronic mail to the following this 20th day of February, 2024.

s/ Stephanie A. Cuello

Stephanie A. Cuello

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DUKE ENERGY FLORIDA
FUEL AND PURCHASED POWER

JANUARY 2024

	\$				MWH				CENTS/KWH			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
1 FUEL COST OF SYSTEM NET GENERATION (SCH A3)	102,528,203	111,821,998	(9,293,795)	(8.3)	3,094,917	2,892,260	202,657	7.0	3.3128	3.8662	(0.5534)	(14.3)
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	958,170	997,503	(39,332)	(3.9)	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	103,486,373	112,819,501	(9,333,127)	(8.3)	3,094,917	2,892,260	202,657	7.0	3.3438	3.9007	(0.5569)	(14.3)
5 ENERGY COST OF PURCHASED POWER - FIRM (SCH A7)	1,004,285	201,300	802,985	398.9	6,452	2,487	3,965	159.4	15.5655	8.0941	7.4714	92.3
6 ENERGY COST OF SCH C,X ECONOMY PURCH - BROKER (SCH A9)	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)	944,715	155,187	789,528	508.8	18,799	2,923	15,876	543.1	5.0254	5.3092	(0.2838)	(5.4)
8 PAYMENTS TO QUALIFYING FACILITIES (SCH A8)	4,063,729	5,782,048	(1,718,319)	(29.7)	131,278	148,303	(17,025)	(11.5)	3.0955	3.8988	(0.8033)	(20.6)
9 TOTAL COST OF PURCHASED POWER	6,012,729	6,138,535	(125,806)	(2.1)	156,528	153,713	2,815	1.8	3.8413	3.9935	(0.1522)	(3.8)
10 TOTAL AVAILABLE MWH					3,251,445	3,045,973	205,472	7				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(1,230,784)	(1,918,358)	687,574	(35.8)	(47,425)	(44,106)	(3,319)	7.5	2.5952	4.3494	(1.7542)	(40.3)
11a GAIN ON OTHER POWER SALES - 100% (SCH A6)	(665,386)	(497,164)	(168,222)	33.8	(47,425)	(44,106)	(3,319)	7.5	1.4030	1.1272	0.2758	24.5
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	(2,937,820)	(2,949,009)	11,188	(0.4)	(76,246)	(44,102)	(32,145)	72.9	3.8531	6.6869	(2.8338)	(42.4)
13 TOTAL FUEL COST AND GAINS ON POWER SALES	(4,833,990)	(5,364,531)	530,540	(9.9)	(123,671)	(88,208)	(35,463)	40.2	3.9087	6.0817	(2.1730)	(35.7)
14 NET INADVERTENT AND WHEELED INTERCHANGE					15,875	0	15,875					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	104,665,112	113,593,505	(8,928,393)	(7.9)	3,143,649	2,957,765	185,884	6.3	3.3294	3.8405	(0.5111)	(13.3)
16 NET UNBILLED	(299,760)	(11,075,608)	10,775,848	(97.3)	9,003	288,388	(279,385)	(96.9)	(0.0101)	(0.3560)	0.3459	(97.2)
17 COMPANY USE	519,794	623,354	(103,560)	(16.6)	(15,612)	(16,231)	619	(3.8)	0.0175	0.0200	(0.0025)	(12.5)
18 T & D LOSSES	5,386,073	4,572,056	814,017	17.8	(161,772)	(119,048)	(42,724)	35.9	0.1810	0.1470	0.0340	23.1
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	104,665,112	113,593,505	(8,928,393)	(7.9)	2,975,268	3,110,875	(135,607)	(4.4)	3.5178	3.6515	(0.1337)	(3.7)
20 WHOLESALE KWH SALES (EXCLUDING STRATIFIED SALES)	(22,086)	(26,854)	4,769	(17.8)	(628)	(735)	108	(14.6)	3.5178	3.6515	(0.1337)	(3.7)
21 JURISDICTIONAL KWH SALES	104,643,027	113,566,651	(8,923,624)	(7.9)	2,974,640	3,110,139	(135,499)	(4.4)	3.5178	3.6515	(0.1337)	(3.7)
22 JURISDICTIONAL KWH SALES ADJUSTED FOR LINE LOSS - 1.00041	104,685,583	113,612,837	(8,927,253)	(7.9)	2,974,640	3,110,139	(135,499)	(4.4)	3.5193	3.6530	(0.1337)	(3.7)
23 PRIOR PERIOD TRUE-UP	46,240,813	46,240,813	(0)	0.0	2,974,640	3,110,139	(135,499)	(4.4)	1.5545	1.4868	0.0677	4.6
24 TOTAL JURISDICTIONAL FUEL COST	150,926,396	159,853,650	(8,927,253)	(5.6)	2,974,640	3,110,139	(135,499)	(4.4)	5.0738	5.1398	(0.0660)	(1.3)
25 GPIF	82,213	82,213	(1)	0.0	2,974,640	3,110,139	(135,499)	(4.4)	0.0028	0.0026	0.0002	7.7
26 CLEAN ENERGY CONNECTION (CEC) BILL CREDIT	2,166,036	2,642,537	(476,502)	(18.0)	2,974,640	3,110,139	(135,499)	(4.4)	0.0728	0.0850	(0.0122)	(14.4)
27 CLEAN ENERGY IMPACT (CEI)	19,549	(77,949)	97,498	(125.1)	2,974,640	3,110,139	(135,499)	(4.4)	0.0007	(0.0025)	0.0032	(128.0)
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									5.150	5.225	(0.075)	(1.4)

*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 - JANUARY 2024

	\$				MWH				CENTS/KWH			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
1 FUEL COST OF SYSTEM NET GENERATION (SCH A3)	102,528,203	111,821,998	(9,293,795)	(8.3)	3,094,917	2,892,260	202,657	7.0	3.3128	3.8662	(0.5534)	(14.3)
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	958,170	997,503	(39,332)	(3.9)	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	103,486,373	112,819,501	(9,333,127)	(8.3)	3,094,917	2,892,260	202,657	7.0	3.3438	3.9007	(0.5569)	(14.3)
5 ENERGY COST OF PURCHASED POWER - FIRM (SCH A7)	1,004,285	201,300	802,985	398.9	6,452	2,487	3,965	159.4	15.5655	8.0941	7.4714	92.3
6 ENERGY COST OF SCH C,X ECONOMY PURCH - BROKER (SCH A9)	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)	944,715	155,187	789,528	508.8	18,799	2,923	15,876	543.1	5.0254	5.3092	(0.2838)	(5.4)
8 PAYMENTS TO QUALIFYING FACILITIES (SCH A8)	4,063,729	5,782,048	(1,718,319)	(29.7)	131,278	148,303	(17,025)	(11.5)	3.0955	3.8988	(0.8033)	(20.6)
9 TOTAL COST OF PURCHASED POWER	6,012,729	6,138,535	(125,806)	(2.1)	156,528	153,713	2,815	1.8	3.8413	3.9935	(0.1522)	(3.8)
10 TOTAL AVAILABLE MWH					3,251,445	3,045,973	205,472	6.8				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(1,230,784)	(1,918,358)	687,574	(35.8)	(47,425)	(44,106)	(3,319)	7.5	2.5952	4.3494	(1.7542)	(40.3)
11a GAIN ON OTHER POWER SALES - 100% (SCH A6)	(665,386)	(497,164)	(168,222)	33.8	(47,425)	(44,106)	(3,319)	7.5	1.4030	1.1272	0.2758	24.5
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	(2,937,820)	(2,949,009)	11,188	(0.4)	(76,246)	(44,102)	(32,145)	72.9	3.8531	6.6869	(2.8338)	(42.4)
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14 NET INADVERTENT AND WHEELED INTERCHANGE					15,875	0	15,875					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	104,665,112	113,593,505	(8,928,393)	(7.9)	3,143,649	2,957,765	185,884	6.3	3.3294	3.8405	(0.5111)	(13.3)
16 NET UNBILLED	(299,760)	(11,075,608)	10,775,848	(97.3)	9,003	288,388	(279,385)	(96.9)	(0.0101)	(0.3560)	0.3459	(97.2)
17 COMPANY USE	519,794	623,354	(103,560)	(16.6)	(15,612)	(16,231)	619	(3.8)	0.0175	0.0200	(0.0025)	(12.5)
18 T & D LOSSES	5,386,073	4,572,056	814,017	17.8	(161,772)	(119,048)	(42,724)	35.9	0.1810	0.1470	0.0340	23.1
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	104,665,112	113,593,505	(8,928,393)	(7.9)	2,975,268	3,110,875	(135,607)	(4.4)	3.5178	3.6515	(0.1337)	(3.7)
20 WHOLESALE KWH SALES (EXCLUDING STRATIFIED SALES)	(22,086)	(26,854)	4,769	(17.8)	(628)	(735)	108	(14.6)	3.5178	3.6515	(0.1337)	(3.7)
21 JURISDICTIONAL KWH SALES	104,643,027	113,566,651	(8,923,624)	(7.9)	2,974,640	3,110,139	(135,499)	(4.4)	3.5178	3.6515	(0.1337)	(3.7)
22 JURISDICTIONAL KWH SALES ADJUSTED FOR LINE LOSS - 1.00041	104,685,583	113,612,837	(8,927,253)	(7.9)	2,974,640	3,110,139	(135,499)	(4.4)	3.5193	3.6530	(0.1337)	(3.7)
23 PRIOR PERIOD TRUE-UP	46,240,813	46,240,813	(0)	0.0	2,974,640	3,110,139	(135,499)	(4.4)	1.5545	1.4868	0.0677	4.6
24 TOTAL JURISDICTIONAL FUEL COST	150,926,396	159,853,650	(8,927,253)	(5.6)	2,974,640	3,110,139	(135,499)	(4.4)	5.0738	5.1398	(0.0660)	(1.3)
25 GPIF	82,213	82,213	(1)	0.0	2,974,640	3,110,139	(135,499)	(4.4)	0.0028	0.0026	0.0002	92.9
26 CLEAN ENERGY CONNECTION (CEC) BILL CREDIT	2,166,036	2,642,537	(476,502)	(18.0)	2,974,640	3,110,139	(135,499)	(4.4)	0.0728	0.0850	(0.0122)	116.8
27 CLEAN ENERGY IMPACT (CEI)	19,549	(77,949)	97,498	(125.1)	2,974,640	3,110,139	(135,499)	(4.4)	0.0007	(0.0025)	0.0032	(357.1)
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									5.150	5.225	(0.075)	(1.4)

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

DUKE ENERGY FLORIDA
CALCULATION OF TRUE-UP AND INTEREST PROVISION
JANUARY 2024

	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	\$102,528,203	111,821,998	(\$9,293,795)	(8.3)	\$102,528,203	\$111,821,998	(\$9,293,795)	(8.3)
1a. COAL CAR SALE	0	0	0	0.0	0	0	0	0.0
2 . FUEL COST OF POWER SOLD	(1,230,784)	(1,918,358)	687,574	(35.8)	(1,230,784)	(1,918,358)	687,574	(35.8)
2a. GAIN ON POWER SALES	(665,386)	(497,164)	(168,222)	33.8	(665,386)	(497,164)	(168,222)	33.8
3 . FUEL COST OF PURCHASED POWER	1,004,285	201,300	802,985	398.9	1,004,285	201,300	802,985	398.9
3a. ENERGY PAYMENTS TO QUALIFYING FACILITIES	4,063,729	5,782,048	(1,718,319)	(29.7)	4,063,729	5,782,048	(1,718,319)	(29.7)
4 . ENERGY COST OF ECONOMY PURCHASES	944,715	155,187	789,528	508.8	944,715	155,187	789,528	508.8
5 . TOTAL FUEL & NET POWER TRANSACTIONS	106,644,762	115,545,011	(8,900,249)	(7.7)	106,644,762	115,545,011	(8,900,249)	(7.7)
6 . ADJUSTMENTS TO FUEL COST:								
6a. FUEL COST OF STRATIFIED SALES	(2,937,820)	(2,949,009)	11,188	(0.4)	(2,937,820)	(2,949,009)	11,188	(0.4)
6b. OTHER- JURISDICTIONAL ADJUSTMENTS (see detail below)	958,170	997,503	(39,332)	(3.9)	958,170	997,503	(39,332)	(3.9)
6c. OTHER - PRIOR PERIOD ADJUSTMENT	0	0	0	0.0	0	0	0	0.0
7 . ADJUSTED TOTAL FUEL & NET PWR TRNS	\$104,665,112	\$113,593,505	(\$8,928,393)	(7.9)	\$104,665,112	\$113,593,505	(\$8,928,393)	(7.9)

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	(54,097)	0	(54,097)	(54,097)	(54,097)	0	(54,097)
AERIAL SURVEY ADJUSTMENT (Coal Pile)	0	0	0	0	0	0	0
FPD AGREEMENT TERMINATION	1,002,236	0	1,002,236	1,002,236	1,002,236	0	1,002,236
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	10,031	0	10,031	10,031	10,031	0	10,031
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	\$958,170	\$0	\$958,170	\$958,170	\$0	\$958,170	\$958,170

B. KWH SALES

1 . JURISDICTIONAL SALES	2,974,639,801	3,110,139,263	(135,499,462)	(4.4)	2,974,639,801	3,110,139,263	(135,499,462)	(4.4)
2 . NON JURISDICTIONAL (WHOLESALE) SALES	627,817	735,433	(107,616)	(14.6)	627,817	735,433	(107,616)	(14.6)
3 . TOTAL SALES	2,975,267,618	3,110,874,696	(135,607,078)	(4.4)	2,975,267,618	3,110,874,696	(135,607,078)	(4.4)
4 . JURISDICTIONAL SALES % OF TOTAL SALES	99.98	99.98	(0.00)	0.0	99.98	99.98	0.00	0.0

DUKE ENERGY FLORIDA
CALCULATION OF TRUE-UP AND INTEREST PROVISION
JANUARY 2024

	CURRENT MONTH				YEAR TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT
C. TRUE UP CALCULATION								
1. JURISDICTIONAL FUEL REVENUE	\$158,115,659	\$162,940,196	(\$4,824,537)	(3.0)	\$158,115,659	\$162,940,196	(\$4,824,537)	(3.0)
2. ADJUSTMENTS:	0	0	0	0.0	0	0	0	0.0
2a. TRUE UP PROVISION	(46,240,813)	(46,240,813)	0	0.0	(46,240,813)	(46,240,813)	0	0.0
2b. INCENTIVE PROVISION	(82,213)	(82,213)	1	0.0	(82,213)	(82,213)	1	0.0
2c. CLEAN ENERGY CONNECTION (CEC) BILL CREDIT	(2,166,036)	(2,642,537)	476,502	(18.0)	(2,166,036)	(2,642,537)	476,502	(18.0)
2d. CLEAN ENERGY IMPACT (CEI)	(19,549)	77,949	(97,498)	(125.1)	(19,549)	77,949	(97,498)	(125.1)
3. TOTAL JURISDICTIONAL FUEL REVENUE	109,607,049	114,052,581	(4,445,532)	(3.9)	109,607,049	114,052,581	(4,445,532)	(3.9)
4. ADJ TOTAL FUEL & NET PWR TRNS (LINE A7)	104,665,112	113,593,505	(8,928,393)	(7.9)	104,665,112	113,593,505	(8,928,393)	(7.9)
5. JURISDICTIONAL SALES % OF TOT SALES (LINE B4)	99.98	99.98	(0.00)	0.0	99.98	99.98	0.00	0.0
6. JURISDICTIONAL FUEL & NET POWER TRANSACTIONS (LINE C4 * LINE C5 * 1.00041 LOSS MULTIPLIER)	104,685,583	113,612,837	(8,927,253)	(7.9)	104,685,583	113,612,837	(8,927,253)	(7.9)
7. TRUE UP PROVISION FOR THE MONTH OVER/(UNDER) COLLECTION (LINE C3 - C6)	4,921,465	439,745	4,481,721	1,019.2	4,921,465	439,745	4,481,721	1,019.2
8. INTEREST PROVISION FOR THE MONTH (LINE D10)	(2,429,750)	(2,317,556)	(112,194)	4.8	(2,429,750)	(2,317,556)	(112,194)	4.8
9. TRUE UP & INTEREST PROVISION BEG OF MONTH/PERIOD	(574,057,483)	(554,889,752)	(19,167,732)	3.5	(574,057,483)	(554,889,752)	(19,167,732)	3.5
10. TRUE UP COLLECTED (REFUNDED)	46,240,813	46,240,813	(0)	0.0	46,240,813	46,240,813	(0)	0.0
11. END OF PERIOD TOTAL NET TRUE UP (LINES C7 + C8 + C9 + C10)	(525,324,955)	(510,526,750)	(14,798,206)	2.9	(525,324,955)	(510,526,750)	(14,798,206)	2.9
12. OTHER:	0				0			
13. END OF PERIOD TOTAL NET TRUE UP (LINES C11 + C12)	(\$525,324,955)	(510,526,750)	(14,798,206)	2.9	(\$525,324,955)	(510,526,750)	(14,798,206)	2.9
D. INTEREST PROVISION								
1. BEGINNING TRUE UP (LINE C9)	(\$574,057,483)	N/A	--	--				
2. ENDING TRUE UP (LINES C7 + C9 + C10 + C12)	(522,895,205)	N/A	--	--				
3. TOTAL OF BEGINNING & ENDING TRUE UP	(1,096,952,688)	N/A	--	--				
4. AVERAGE TRUE UP (50% OF LINE D3)	(548,476,344)	N/A	--	--				
5. INTEREST RATE - FIRST DAY OF REPORTING MONTH	5.320	N/A	--	--				
6. INTEREST RATE - FIRST DAY OF SUBSEQUENT MONTH	5.320	N/A	--	--				
7. TOTAL (LINE D5 + LINE D6)	10.640	N/A	--	--				
8. AVERAGE INTEREST RATE (50% OF LINE D7)	5.320	N/A	--	--				
9. MONTHLY AVERAGE INTEREST RATE (LINE D8/12)	0.443	N/A	--	--				
10. INTEREST PROVISION (LINE D4 * LINE D9)	(\$2,429,750)	N/A	--	--				

A-3 Generating System Comparative Data Report

Report Period : 1/1/2024 to 1/1/2024

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	1,216,983	292,968	924,015	315.4 %
3 - COAL	14,415,784	17,007,013	(2,591,229)	(15.2 %)
4 - GAS	86,895,436	94,522,017	(7,626,581)	(8.1 %)
5 - NUCLEAR	0	0	0	0.0 %
6	0	0	0	0.0 %
7	0	0	0	0.0 %
8 - TOTAL (\$)	102,528,203	111,821,998	(9,293,795)	(8.3 %)
SYSTEM NET GENERATION (MWH)				
9 - HEAVY OIL	0	0	0	0.0 %
10 - LIGHT OIL	1,040	62	978	1567.2 %
11 - COAL	326,038	441,489	(115,451)	(26.2 %)
12 - GAS	2,644,022	2,238,685	405,337	18.1 %
13 - NUCLEAR	0	0	0	0.0 %
14 - SOLAR	123,817	212,024	(88,207)	(41.6 %)
15	0	0	0	0.0 %
16 - TOTAL (MWH)	3,094,917	2,892,260	202,656	7.0 %
UNITS OF FUEL BURNED				
17 - HEAVY OIL (BBL)	0	0	0	0.0 %
18 - LIGHT OIL (BBL)	7,721	1,530	6,191	404.6 %
19 - COAL (TON)	148,920	192,184	(43,264)	(22.5 %)
20 - GAS (MCF)	19,364,456	15,793,898	3,570,558	22.6 %
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	44,551	8,926	35,625	399.1 %
26 - COAL	3,384,952	4,414,047	(1,029,095)	(23.3 %)
27 - GAS	19,885,146	15,793,898	4,091,248	25.9 %
28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (MILLION BTU)	23,314,649	20,216,871	3,097,778	15.3 %
GENERATION MIX (% MWH)				
32 - HEAVY OIL	0.0	0.00	0.00	0.0 %
33 - LIGHT OIL	0.0	0.00	0.03	1468.1 %
34 - COAL	10.5	15.26	(4.73)	(31.0 %)
35 - GAS	85.4	77.40	8.03	10.4 %
36 - NUCLEAR	0.0	0.00	0.00	0.0 %
37 - SOLAR	4.0	7.33	(3.33)	(45.4 %)
38	0.0	0	0.00	0.0 %
39 - TOTAL (% MWH)	100.0	100.0	0.00	0.0 %

A-3 Generating System Comparative Data Report

Report Period : 1/1/2024 to 1/1/2024

Duke Energy Florida, LLC

FUEL COST PER UNIT (\$)

40 - HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.0 %
41 - LIGHT OIL (\$/BBL)	157.62	191.48	(33.86)	(17.7 %)
42 - COAL (\$/TON)	96.80	88.49	8.31	9.4 %
43 - GAS (\$/MCF)	4.49	5.98	(1.50)	(25.0 %)
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	27.32	32.82	(5.51)	(16.8 %)
49 - COAL	4.26	3.85	0.41	10.5 %
50 - GAS	4.37	5.98	(1.61)	(27.0 %)
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)	4.40	5.53	(1.13)	(20.5 %)

BTU BURNED PER KWH (BTU/KWH)

55 - HEAVY OIL	0	0	0	0.0 %
56 - LIGHT OIL	42,824	143,045	(100,221)	(70.1 %)
57 - COAL	10,382	9,998	384	3.8 %
58 - GAS	7,521	7,055	466	6.6 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %
62 - SYSTEM (BTU/KWH)	7,533	6,990	543	7.8 %

GENERATED FUEL COST PER KWH (CENTS/KWH)

63 - HEAVY OIL	0.00	0.00	0.00	0.0 %
64 - LIGHT OIL	116.98	469.50	(352.52)	(75.1 %)
65 - COAL	4.42	3.85	0.57	14.8 %
66 - GAS	3.29	4.22	(0.94)	(22.2 %)
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)	3.31	3.87	(0.55)	(14.3 %)

A-3 Generating System Comparative Data Report

Report Period : 1/1/2024 to 1/1/2024

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	1,216,983	292,968	924,015	315.4 %
3 - COAL	14,415,784	17,007,013	(2,591,229)	(15.2 %)
4 - GAS	86,895,436	94,522,017	(7,626,581)	(8.1 %)
5 - NUCLEAR	0	0	0	0.0 %
6	0	0	0	0.0 %
7	0	0	0	0.0 %
8 - TOTAL (\$)	102,528,203	111,821,998	(9,293,795)	(8.3 %)
SYSTEM NET GENERATION (MWH)				
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12 - GAS	2,644,022	2,238,685	405,337	18.1 %
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14 - SOLAR	123,817	212,024	(88,207)	(41.6 %)
15	0	0	0	0.0 %
16 - TOTAL (MWH)	3,094,917	2,892,260	202,657	7.0 %
UNITS OF FUEL BURNED				
17 - HEAVY OIL (BBL)	0	0	0	0.0 %
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BTUS BURNED (MILLION BTU)				
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28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (MILLION BTU)	23,314,649	20,216,871	3,097,778	15.3 %
GENERATION MIX (% MWH)				
32 - HEAVY OIL	0.0	0.00	0.00	0.0 %
33 - LIGHT OIL	0.0	0.00	0.03	1468.1 %
34 - COAL	10.5	15.26	(4.73)	(31.0 %)
35 - GAS	85.4	77.40	8.03	10.4 %
36 - NUCLEAR	0.0	0.00	0.00	0.0 %
37 - SOLAR	4.0	7.33	(3.33)	(45.4 %)
38	0.0	0	0.00	0.0 %
39 - TOTAL (% MWH)	100.0	100.0	0.00	0.0 %

A-3 Generating System Comparative Data Report

Report Period : 1/1/2024 to 1/1/2024

Duke Energy Florida, LLC

FUEL COST PER UNIT (\$)				
40 - HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.0 %
41 - LIGHT OIL (\$/BBL)	157.62	191.48	(33.86)	(17.7 %)
42 - COAL (\$/TON)	96.80	88.49	8.31	9.4 %
43 - GAS (\$/MCF)	4.49	5.98	(1.50)	(25.0 %)
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	27.32	32.82	(5.51)	(16.8 %)
49 - COAL	4.26	3.85	0.41	10.5 %
50 - GAS	4.37	5.98	(1.61)	(27.0 %)
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)	4.40	5.53	(1.13)	(20.5 %)
BTU BURNED PER KWH (BTU/KWH)				
55 - HEAVY OIL	0	0	0	0.0 %
56 - LIGHT OIL	42,824	143,045	(100,221)	(70.1 %)
57 - COAL	10,382	9,998	384	3.8 %
58 - GAS	7,521	7,055	466	6.6 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %
62 - SYSTEM (BTU/KWH)	7,533	6,990	543	7.8 %
GENERATED FUEL COST PER KWH (CENTS/KWH)				
63 - HEAVY OIL	0.00	0.00	0.00	0.0 %
64 - LIGHT OIL	116.98	469.50	(352.52)	(75.1 %)
65 - COAL	4.42	3.85	0.57	14.8 %
66 - GAS	3.29	4.22	(0.94)	(22.2 %)
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)	3.31	3.87	(0.55)	(14.3 %)

A-4 System Net Generation and Fuel Cost Report

Report Period : 1/1/2024 to 1/1/2024

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	10,037.00	18			0				0	0	0.000	
Bay Trail Solar													
TOTAL UNIT 1	74	7,820.00	14			0				0	0	0.000	
Charlie Creek Solar													
TOTAL UNIT 1	74.9	7,245.00	13			0				0	0	0.000	
Columbia Solar 1													
TOTAL CSF 1	74.9	8,010.00	14			0				0	0	0.000	
Debary Solar 1													
TOTAL DSF 1	74.5	7,628.00	14			0				0	0	0.000	
Duette Solar													
TOTAL UNIT 1	74.5	7,657.00	14			0				0	0	0.000	
Fort Green Solar													
TOTAL UNIT 1	74	8,994.00	16			0				0	0	0.000	
Hamilton Solar Facility													
TOTAL HSF 1	74.9	9,133.00	16			0				0	0	0.000	
Hardeetown Solar Facility													
TOTAL UNIT 1	74.9	8,588.00	15			0				0	0	0.000	
High Springs Solar Facility													
TOTAL UNIT 1	74.9	7,633.00	14			0				0	0	0.000	
Hildreth Solar Facility													
TOTAL UNIT 1	74.9	7,243.00	13			0				0	0	0.000	
Lake Placid Solar Facility													
TOTAL LKP 1	45	3,527.00	11			0				0	0	0.000	
Osceola Solar Facility 1													
TOTAL UNIT 1	4	373.00	13			0				0	0	0.000	
Perry Solar Facility 1													
TOTAL UNIT 1	5	512.00	14			0				0	0	0.000	
Sandy Creek Solar													
TOTAL UNIT 1	74.9	9,111.00	17			0				0	0	0.000	
Santa Fe Solar Facility													
TOTAL Unit 1	74.9	6,541.00	12			0				0	0	0.000	
Suwanee Solar Facility													
TOTAL UNIT 1	9	1,159.00	17			0				0	0	0.000	
Trenton Solar Facility													
TOTAL TRN 1	74.9	4,593.00	8			0				0	0	0.000	
Twin Rivers Solar Facility													
TOTAL Unit 1	74.9	7,835.00	14			0				0	0	0.000	
St. Pete Pier													
TOTAL Unit 1	0.35	31.38	12			0				0	0	0.000	
Clearwater Marine Aquarium (Dolphin Solar)													
TOTAL Unit 1	0.25	23.44	13			0				0	0	0.000	
John Hopkins Solar													
TOTAL Unit 1	0.825	58.15	9			0				0	0	0.000	

A-4 System Net Generation and Fuel Cost Report

Report Period : 1/1/2024 to 1/1/2024

Duke Energy Florida, LLC

A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT	NET CAP (MW)	NET GENERATION (MWH)	CAP FAC	EQUIV AVAIL FAC(%)	NET OUTPUT FAC(%)	AVE NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURN (UNITS)	FUEL HEAT VALUE (MMBTU/UNIT)	FUEL BURNED (MMBTU)	AS BURNED FUEL COST (\$)	FUEL COST PER KWH (CENTS/KWH)	FUEL COST PER UNIT (\$)
Hines Floating Solar													
TOTAL Unit 1	0.75	64.61	12			0				0	0	0.000	
TOTAL Solar	1,186.1	123,816.58				0				0	0	0.000	
Steam Anclote													
		23,287.00					Gas	267,353	1.026	274,304	1,250,143	5.368	4.676
TOTAL UNIT 1	521	23,287.00	6			11,779				274,304	1,250,143	5.368	
		100,198.00					Gas	1,167,021	1.026	1,197,364	5,456,993	5.446	4.676
TOTAL UNIT 2	514	100,198.00	26			11,950				1,197,364	5,456,993	5.446	
Crystal River 4 & 5													
		64,473.00					Coal	31,870	22.730	724,405	3,085,086	4.785	96.802
		0.00					No 2	2,436	5.782	14,086	421,379	0.000	172.980
TOTAL UNIT 4	721	64,473.00	12			11,454				738,491	3,506,465	5.439	
		261,565.00					Coal	117,050	22.730	2,660,547	11,330,698	4.332	96.802
		0.00					No 2	2,501	5.782	14,461	432,623	0.000	172.980
TOTAL UNIT 5	721	261,565.00	49			10,227				2,675,007	11,763,320	4.497	
TOTAL Steam	2,477	449,523.00				10,867				4,885,166	21,976,922	4.889	
Gas Turbine													
Bartow Combined Cycle													
		473,834.00					Gas	3,663,640	1.023	3,747,904	15,455,265	3.262	4.219
TOTAL BCC	1,259	473,834.00	51			7,910				3,747,904	15,455,265	3.262	
Bartow Peaker													
		230.14					No 2	843	5.712	4,815	101,236	43.988	120.090
		1,347.86					Gas	19,330	1.026	19,833	90,312	6.700	4.672
TOTAL BAP	170	1,578.00	1			14,714				24,648	191,548	12.139	
Bayboro Peaker													
		286.40					No 2	691	5.705	3,942	85,441	29.833	123.649
TOTAL BYP	171	286.00	0			13,764				3,942	85,441	29.833	
Citrus County													
		1,188,033.00					Gas	7,804,675	1.031	8,046,620	36,672,366	3.087	4.699
TOTAL CCCC	1,854	1,188,033.00	86			6,773				8,046,620	36,672,366	3.087	
Debary Peaker													
		18.54					No 2	38	5.768	219	4,941	26.649	130.036
		1,394.46					Gas	16,065	1.026	16,483	83,390	5.980	5.191
TOTAL DEP	96	1,413.00	2			11,820				16,702	88,332	6.251	
Hines Energy													
		642,028.00					Gas	4,541,132	1.024	4,650,119	20,010,251	3.117	4.406
TOTAL HEP	1,612	642,028.00	54			7,243				4,650,119	20,010,251	3.117	
Intercession City Peaker													
		505.38					No 2	1,212	5.798	7,028	171,363	33.908	141.389
		16,291.62					Gas	220,375	1.028	226,544	932,509	5.724	4.231
TOTAL ICP	658	16,797.00	3			13,906				233,572	1,103,871	6.572	
Osprey													
		89,359.00					Gas	683,574	1.025	700,664	2,923,194	3.271	4.276
TOTAL OSP	611	89,359.00	20			7,841				700,664	2,923,194	3.271	
Suwannee Peaker													
		7,927.30					Gas	105,750	1.026	108,501	494,015	6.232	4.672
TOTAL SRP	203	7,927.00	5			13,687				108,501	494,015	6.232	
Tiger Bay Cogen													
		63,017.00					Gas	498,272	1.023	509,732	2,091,872	3.320	4.198

A-4 System Net Generation and Fuel Cost Report

Report Period : 1/1/2024 to 1/1/2024

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 TBP	230	63,017.00	37			8,089				509,732	2,091,872	3.320	
Univ of Florida Cogen		37,304.70					Gas	377,269	1.026	387,078	1,435,126	3.847	3.804
TOTAL UFP	50	37,305.00	100			10,376				387,078	1,435,126	3.847	
TOTAL Gas Turbine	6,914	2,521,577.00				7,308				18,429,482	80,551,281	3.194	0.000
SYSTEM TOTAL	10,577.1	3,094,916.58				7,533				23,314,648	102,528,203	3.313	

A-4 System Net Generation and Fuel Cost Report

Report Period : 1/1/2024 to 1/1/2024

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	10,037.00	18			0				0	0	0.000	
Bay Trail Solar													
TOTAL UNIT 1	74	7,820.00	14			0				0	0	0.000	
Charlie Creek Solar													
TOTAL UNIT 1	74.9	7,245.00	13			0				0	0	0.000	
Columbia Solar 1													
TOTAL CSF 1	74.9	8,010.00	14			0				0	0	0.000	
Debary Solar 1													
TOTAL DSF 1	74.5	7,628.00	14			0				0	0	0.000	
Duette Solar													
TOTAL UNIT 1	74.5	7,657.00	14			0				0	0	0.000	
Fort Green Solar													
TOTAL UNIT 1	74	8,994.00	16			0				0	0	0.000	
Hamilton Solar Facility													
TOTAL HSF 1	74.9	9,133.00	16			0				0	0	0.000	
Hardeetown Solar Facility													
TOTAL UNIT 1	74.9	8,588.00	15			0				0	0	0.000	
High Springs Solar Facility													
TOTAL UNIT 1	74.9	7,633.00	14			0				0	0	0.000	
Hildreth Solar Facility													
TOTAL UNIT 1	74.9	7,243.00	13			0				0	0	0.000	
Lake Placid Solar Facility													
TOTAL LKP 1	45	3,527.00	11			0				0	0	0.000	
Osceola Solar Facility 1													
TOTAL UNIT 1	4	373.00	13			0				0	0	0.000	
Perry Solar Facility 1													
TOTAL UNIT 1	5	512.00	14			0				0	0	0.000	
Sandy Creek Solar													
TOTAL UNIT 1	74.9	9,111.00	17			0				0	0	0.000	
Santa Fe Solar Facility													
TOTAL Unit 1	74.9	6,541.00	12			0				0	0	0.000	
Suwanee Solar Facility													
TOTAL UNIT 1	9	1,159.00	17			0				0	0	0.000	
Trenton Solar Facility													
TOTAL TRN 1	74.9	4,593.00	8			0				0	0	0.000	
Twin Rivers Solar Facility													
TOTAL Unit 1	74.9	7,835.00	14			0				0	0	0.000	
St. Pete Pier													
TOTAL Unit 1	0.35	31.38	12			0				0	0	0.000	
Clearwater Marine Aquarium (Dolphin Solar)													
TOTAL Unit 1	0.25	23.44	13			0				0	0	0.000	
John Hopkins Solar													

A-4 System Net Generation and Fuel Cost Report

Report Period : 1/1/2024 to 1/1/2024

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	0.825	58.15	9			0				0	0	0.000	
Hines Floating Solar													
TOTAL Unit 1	0.75	64.61	12			0				0	0	0.000	
TOTAL Solar Steam Anclote	1,186.1	123,816.58				0				0	0	0.000	
TOTAL UNIT 1	521	23,287.00	6			11,779	Gas	267,353	1.026	274,304	1,250,143	5.368	4.676
TOTAL UNIT 2	514	100,198.00	26			11,950	Gas	1,167,021	1.026	1,197,364	5,456,993	5.446	4.676
Crystal River 4 & 5													
TOTAL UNIT 4	721	64,473.00	12			11,454	Coal No 2	31,870	22.730	724,405	3,085,086	4.785	96.802
TOTAL UNIT 5	721	261,565.00	49			10,227	Coal No 2	2,436	5.782	14,086	421,379	0.000	172.980
TOTAL Steam	2,477	449,523.00				10,867		117,050	22.730	2,660,547	11,330,698	4.332	96.802
Gas Turbine													
Bartow Combined Cycle													
TOTAL BCC	1,259	473,834.00	51			7,910	Gas	3,663,640	1.023	3,747,904	15,455,265	3.262	4.219
Bartow Peaker													
TOTAL BAP	170	1,347.86	1			14,714	Gas	843	5.712	4,815	101,236	43.988	120.090
Bayboro Peaker													
TOTAL BYP	171	286.00	0			13,764	No 2	691	5.705	3,942	85,441	29.833	123.649
Citrus County													
TOTAL CCCC	1,854	1,188,033.00	86			6,773	Gas	7,804,675	1.031	8,046,620	36,672,366	3.087	4.699
Debary Peaker													
TOTAL DEP	96	1,394.46	2			11,820	No 2	38	5.768	219	4,941	26.649	130.036
Hines Energy													
TOTAL HEP	1,612	642,028.00	54			7,243	Gas	4,541,132	1.024	4,650,119	20,010,251	3.117	4.406
Intercession City Peaker													
TOTAL ICP	658	16,797.00	3			13,906	Gas	1,212	5.798	7,028	171,363	33.908	141.389
Osprey													
TOTAL OSP	611	89,359.00	20			7,841	Gas	220,375	1.028	226,544	932,509	5.724	4.231
Suwannee Peaker													
TOTAL SRP	203	7,927.00	5			13,687	Gas	105,750	1.026	108,501	494,015	6.232	4.672

A-4 System Net Generation and Fuel Cost Report

Report Period : 1/1/2024 to 1/1/2024

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 (\$)
Tiger Bay Cogen													
TOTAL TBP	230	63,017.00	37			8,089	Gas	498,272	1.023	509,732	2,091,872	3.320	4.198
Univ of Florida Cogen													
TOTAL UFP	50	37,304.70					Gas	377,269	1.026	387,078	1,435,126	3.847	3.804
TOTAL Gas Turbine	6,914	2,521,577.00	100			10,376				387,078	1,435,126	3.847	0.000
SYSTEM TOTAL	10,577.1	3,094,916.58				7,533				23,314,648	102,528,203	3.313	

A-5 System Generation Fuel Cost Report

Report Period : 1/1/2024 to 1/1/2024

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)	3,557	1,530	2,027	132.5%
20 - UNIT COST (\$/BBL)	164.90	191.48	(26.58)	(13.9%)
21 - AMOUNT (\$)	586,557	292,968	293,589	100.2%
22 - BURNED				
23 - UNITS (BBL)	7,721	1,530	6,191	404.6%
24 - UNIT COST (\$/BBL)	157.62	191.48	(33.86)	(17.7%)
25 - AMOUNT (\$)	1,216,983	292,968	924,015	315.4%
26 - ADJUSTMENTS				
27 - UNITS (BBL)	437			
28 - AMOUNT (\$)	54,097			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	561,935	529,066	32,869	6.2%
31 - UNIT COST (\$/BBL)	126.98	124.46	2.53	2.0%
32 - AMOUNT (\$)	71,355,616	65,845,159	5,510,457	8.4%
33 -				
34 - DAYS SUPPLY	2,257	10,374	(8,117)	(78.2%)

A-5 System Generation Fuel Cost Report

Report Period : 1/1/2024 to 1/1/2024

Duke Energy Florida, LLC

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	153,296	192,184	(38,888)	(20.2%)
37 - UNIT COST (\$/TON)	108.00	88.49	19.50	22.0%
38 - AMOUNT (\$)	16,555,717	17,007,013	(451,296)	(2.7%)
39 - BURNED				
40 - UNITS (TON)	148,920	192,184	(43,264)	(22.5%)
41 - UNIT COST (\$/TON)	96.80	88.49	8.31	9.4%
42 - AMOUNT (\$)	14,415,784	17,007,013	(2,591,229)	(15.2%)
43 - ADJUSTMENTS				
44 - UNITS (TON)	0			
45 - AMOUNT (\$)	0			
46 - ENDING INVENTORY				
47 - UNITS (TON)	499,917	460,231	39,686	8.6%
48 - UNIT COST (\$/TON)	96.80	105.12	(8.31)	(7.9%)
49 - AMOUNT (\$)	48,393,044	48,378,047	14,997	0.0%
50 -				
51 - DAYS SUPPLY	104	72	32	44.9%
GAS				
52 - BURNED				
53 - UNITS (MCF)	19,364,456	15,793,898	3,570,558	22.6%
54 - UNIT COST (\$/MCF)	4.49	5.98	(1.50)	(25.0%)
55 - AMOUNT (\$)	86,895,436	94,522,017	(7,626,581)	(8.1%)
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 : 1/1/2024 to 1/1/2024

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)	3,557	1,530	2,027	132.5%
20 - UNIT COST (\$/BBL)	164.90	191.48	(26.58)	(13.9%)
21 - AMOUNT (\$)	586,557	292,968	293,589	100.2%
22 - BURNED				
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25 - AMOUNT (\$)	1,216,983	292,968	924,015	315.4%
26 - ADJUSTMENTS				
27 - UNITS (BBL)	437			
28 - AMOUNT (\$)	54,097			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	561,935	529,066	32,869	6.2%
31 - UNIT COST (\$/BBL)	126.98	124.46	2.53	2.0%
32 - AMOUNT (\$)	71,355,616	65,845,159	5,510,457	8.4%
33 -				
34 - DAYS SUPPLY	2,257	10,374	(8,117)	(78.2%)

A-5 System Generation Fuel Cost Report

Report Period : 1/1/2024 to 1/1/2024

Duke Energy Florida, LLC

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	153,296	192,184	(38,888)	(20.2%)
37 - UNIT COST (\$/TON)	108.00	88.49	19.50	22.0%
38 - AMOUNT (\$)	16,555,717	17,007,013	(451,296)	(2.7%)
39 - BURNED				
40 - UNITS (TON)	148,920	192,184	(43,264)	(22.5%)
41 - UNIT COST (\$/TON)	96.80	88.49	8.31	9.4%
42 - AMOUNT (\$)	14,415,784	17,007,013	(2,591,229)	(15.2%)
43 - ADJUSTMENTS				
44 - UNITS (TON)	0			
45 - AMOUNT (\$)	0			
46 - ENDING INVENTORY				
47 - UNITS (TON)	499,917	460,231	39,686	8.6%
48 - UNIT COST (\$/TON)	96.80	105.12	(8.31)	(7.9%)
49 - AMOUNT (\$)	48,393,044	48,378,047	14,997	0.0%
50 -				
51 - DAYS SUPPLY	104	72	32	44.9%
GAS				
52 - BURNED				
53 - UNITS (MCF)	19,364,456	15,793,898	3,570,558	22.6%
54 - UNIT COST (\$/MCF)	4.49	5.98	(1.50)	(25.0%)
55 - AMOUNT (\$)	86,895,436	94,522,017	(7,626,581)	(8.1%)
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
 January 2024

HEAVY OIL		
UNITS	AMOUNT	
0	0	TOTAL

LIGHT OIL		
UNITS	AMOUNT	
437	\$ 54,097.10	Tank bottom adjustment - Bayboro peaker
437	\$ 54,097.10	TOTAL

COAL		
UNITS	AMOUNT	
-	\$ -	TOTAL

Duke Energy Florida, LLC
Schedule A6
Power Sold for the Month of
JANUARY 2024

(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		44,106		44,106	4.349	5.477	1,918,358.00	2,415,522	497,164.00
ACTUAL									
Associated Electric Cooperative, Inc.		190		190	1.033	1.202	1,963.30	2,284.13	320.83
Dominion Energy South Carolina, Inc.		1,007		1,007	2.596	3.968	26,138.86	39,959.55	13,820.69
Macquarie Energy LLC	CR-1	10,086		10,086	2.163	3.888	218,209.90	392,100.42	173,890.52
Macquarie Energy LLC		1,544		1,544	5.798	12.403	89,523.36	191,498.56	101,975.20
Oglethorpe Power Corporation		88		88	2.762	5.458	2,430.75	4,802.76	2,372.01
PJM Settlements, Inc	MR1	150		150	4.594	25.906	6,891.48	38,858.63	31,967.15
Rainbow Energy Marketing Corporation	CR-1	100		100	7.380	9.028	7,380.07	9,028.33	1,648.26
Reedy Creek Improvement District	CR-1	3,065		3,065	1.957	2.722	59,975.95	83,441.90	23,465.95
Southern Company Services, Inc.	EEl	5,891		5,891	2.217	2.840	130,597.21	167,282.74	36,685.53
Tampa Electric Company		560		560	2.127	4.029	11,911.81	22,564.58	10,652.77
Tennessee Valley Authority		1,930		1,930	1.636	2.091	31,565.34	40,353.38	8,788.04
The Energy Authority	EEl	15,438		15,438	2.325	4.318	358,919.10	666,604.85	307,685.75
The Energy Authority	Schedule OS	9,568		9,568	2.982	4.153	285,276.72	397,368.24	112,091.52
Adjustments									
Duke Energy Car T								(779.11)	(779.11)
The Energy Authority		(2,192)						(137,529.46)	(137,529.46)
PJM Settlements, Inc								6,055.99	6,055.99
Reedy Creek Improvement District								(510.00)	(510.00)
Southern Company Services, Inc.								1,436.75	1,436.75
Tampa Electric Company								(14,918.54)	(14,918.54)
Duke Energy FL T								(6,974.99)	(6,974.99)
MEAGPOWER								(2,267.33)	(2,267.33)
Southern Company Services, Inc.								(6,048.11)	(6,048.11)
Duke Energy Prog T								(98.29)	(98.29)
Associated Electric Cooperative, Inc.								1,654.78	1,654.78
Subtotal - Gain on Other Power Sales		47,425		49,617	2.595	3.998	1,230,783.85	1,896,169.76	665,385.91
CURRENT MONTH TOTAL		47,425		49,617	2.595	3.998	1,230,783.85	1,896,169.76	665,385.91
DIFFERENCE		3,319		5,511	(1.754)	(1.478)	(687,574.15)	(519,352.24)	168,221.91
DIFFERENCE %		7.52		12.49	(40.33)	(26.99)	(35.84)	(21.50)	33.84
CUMULATIVE ACTUAL		47,425		49,617	2.595	3.998	1,230,783.85	1,896,169.76	665,385.91
CUMULATIVE ESTIMATED		44,106		44,106	4.349	5.477	1,918,358.00	2,415,522.00	497,164.00
DIFFERENCE		3,319		5,511	-1.754	(1.478)	(687,574.15)	(519,352.24)	168,221.91
DIFFERENCE %		7.52		12.49	(40.33)	(26.99)	(35.84)	(21.50)	33.84

DUKE ENERGY FLORIDA, LLC
SCHEDULE A7

PURCHASED POWER
EXCLUSIVE OF ECONOMY PURCHASES
FOR THE MONTH OF:
JANUARY 2024

(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		2,487	0	0	2,487	8.094	8.094	201,299.91	201,299.91
ACTUAL									
Shady Hills Power Company, LLC	TOLL	157			157	72.492	72.492	113,811.96	113,811.96
Vandolah Power Co. LLC (Northern Star)	TOLL	6,195			6,195	7.382	7.382	457,320.79	457,320.79
ADJUSTMENTS									
Shady Hills Power Company, LLC	TOLL	3			3	1,513.745	1,513.745	45,412.34	45,412.34
Vandolah Power Co. LLC (Northern Star)	TOLL	97			97	399.732	399.732	387,740.04	387,740.04
CURRENT MONTH TOTAL		6,452			6,452	15.565	15.565	1,004,285.13	1,004,285.13
DIFFERENCE		3,965			3,965	7.471	7.471	802,985.22	802,985.22
DIFFERENCE %		159			159	92.307	92.307	398.90	398.90
CUMULATIVE ACTUAL		6,452			6,452	15.565	15.565	1,004,285.130	1,004,285.130
CUMULATIVE ESTIMATED		2,487			2,487	8.094	8.094	201,299.91	201,299.91
DIFFERENCE		3,965			3,965	7.471	7.471	802,985.22	802,985.22
DIFFERENCE %		159			159	92.307	92.307	398.90	398.90

DUKE ENERGY FLORIDA, LLC
SCHEDULE A8

ENERGY PAYMENT TO QUALIFYING FACILITIES
FOR THE MONTH OF:
JANUARY 2024

(1) PURCHASED FROM	(2) TYPE & SCHEDULE	(3) TOTAL PURCHASED KWH (000)	(4) KWH FOR OTHER UTILITIES (000)	(5) KWH FOR INTERRUPTIBLE (000)	(6) KWH FOR FIRM (000)	(7) ENERGY COST C/KWH	(8) TOTAL COST C/KWH	(9) TOTAL AMOUNT FOR FUEL ADJ \$
ESTIMATED		148,303	-	-	148,303	3.899	21.663	5,782,048.45
ACTUAL								
Lake County (LAKCOUNT)	CO-GEN	441			441	2.249	2.249	9,919.02
ADJ		-			-			(745.93)
Orange Cogen (ORANGEAS)	CO-GEN	1,835			1,835	2.208	2.208	40,517.93
ADJ		-			-			(3,536.59)
Orange Cogen (ORANGECO)	CO-GEN	33,086			33,086	5	26.006	1,767,786.70
ADJ		-			-			0.01
Orlando Cogen Limited (ORLACOGL)	CO-GEN	-			-	-	0.000	-
ADJ		-			-			46,717.77
Pasco County Resource Recovery (PASCOUNT)	CO-GEN	17,499			17,499	2.225	16.694	389,410.05
ADJ		-			-			(52,925.06)
PCS Phosphate (OCSWFCRK)	CO-GEN	11			11	2.288	2.288	262.03
ADJ		0			0			(32.98)
Pinellas County Resource Recovery (PINCOUNT)	CO-GEN	41,411			41,411	2.228	16.833	922,639.89
ADJ		-			-			(104,658.22)
Polk Power Partners, L.P. (MULBERRY)	CO-GEN	36,994			36,994	2.876	28.209	1,064,073.52
ADJ		-			-			(15,698.84)
CURRENT MONTH TOTAL		131,278			131,278	3.096	27.348	4,063,729.32
DIFFERENCE		(17,025)			(17,025)	(0.803)	5.685	(1,718,319.13)
DIFFERENCE %		(11.48)			(11.48)	(20.60)	26.24	(29.72)
CUMULATIVE ACTUAL		131,278			131,278	3.096	27.348	4,063,729.32
CUMULATIVE ESTIMATED		148,303			148,303	3.899	21.663	5,782,048.45
CUMULATIVE DIFFERENCE		(17,025)			(17,025)	(0.803)	5.685	(1,718,319.13)
CUMULATIVE DIFFERENCE %		(11.48)			(11.48)	(20.60)	26.24	(29.72)

**DUKE ENERGY FLORIDA, LLC
SCHEDULE A9**

**ECONOMY ENERGY PURCHASES
INCLUDING LONG TERM PURCHASES
FOR THE MONTH OF:
JANUARY 2024**

(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		2,923	5.309	155,186.75	0.011	317.00	(154,869.75)
ACTUAL:							
SubTotal - Energy Purchases (Broker)							
SEPA		1,638	3.337	54,650.25	3.337	54,650.25	-
Dominion Energy South Carolina, Inc.		87	5.550	4,828.07	6.549	5,697.49	869.42
EDF Trading North America, LLC		300	3.200	9,600.00	3.409	10,227.00	627.00
Florida Power & Light Company	Transmission Purchase	-	0.000	35,692.00	0.000	-	(35,692.00)
Florida Power & Light Company		2,639	3.950	104,240.00	4.917	129,772.33	25,532.33
Jacksonville Electric Authority	Transmission Purchase	-	0.000	14,721.12	0.000	-	(14,721.12)
LGE/KU		573	6.177	35,391.52	8.044	46,091.41	10,699.89
NCEMC		208	3.653	7,598.14	4.659	9,689.81	2,091.67
Oglethorpe Power Corporation		42	2.154	904.59	2.673	1,122.66	218.07
Seminole Electric Coop Inc.	Transmission Purchase	-	0.000	17,571.38	0.000	-	(17,571.38)
Southern Company Services, Inc.	EEl	5,787	4.810	278,379.78	6.342	367,009.44	88,629.66
Southern Company Services, Inc. Transmission	Transmission Purchase	-	0.000	3,051.89	0.000	-	(3,051.89)
Tampa Electric Company		5,040	4.247	214,064.45	5.270	265,582.80	51,518.35
Tennessee Valley Authority Transmission	Transmission Purchase	-	0.000	1,526.46	0.000	-	(1,526.46)
The Energy Authority	EEl	2,485	5.901	146,651.03	8.683	215,775.81	69,124.78
ADJUSTMENTS							
PJM Settlement Inc.				253.51			(253.51)
Tampa Electric Company				14,918.86			(14,918.86)
Tennessee Valley Authority Transmission				85.73			(85.73)
Dominion Energy South Carolina, Inc.				65.96			(65.96)
Georgia Transmission Corporation				21.24			(21.24)
South Carolina Public Service Authority				498.83			(498.83)
SubTotal - Energy Purchases (Non-Broker)							
		18,799	5.025	944,714.81	5.881	1,105,619.00	160,904.19
CURRENT MONTH TOTAL							
		18,799	5.025	944,714.81	5.881	1,105,619.00	160,904.19
DIFFERENCE							
		15,876	(0.284)	789,528.06	5.871	1,105,302.00	315,773.94
DIFFERENCE %							
		543	(5.344)	508.76	54,130.935	348,675.71	(203.90)
CUMULATIVE ACTUAL							
		18,799	5.025	944,714.81	5.881	1,105,619.00	160,904.19
CUMULATIVE ESTIMATED							
		2,923	5.309	155,186.75	0.011	317.00	(154,869.75)
DIFFERENCE							
		15,876	(0.284)	789,528.06	5.871	1,105,302.00	315,773.94
DIFFERENCE %							
		543	(5.344)	508.76	54130.935	348,675.71	(203.90)

