



Matthew R. Bernier
ASSOCIATE GENERAL COUNSEL

May 18, 2021

VIA ELECTRONIC FILING

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

Re: Docket No. 20210001-EI

Dear Mr. Teitzman:

Attached for electronic filing in the above-referenced Docket on behalf of Duke Energy Florida, LLC (DEF), are Schedules A1 through A9 and A12 for the reporting month of April 2021.

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.

Sincerely,

/s/ Matthew R. Bernier

Matthew R. Bernier

MRB/cmK
Attachments

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true copy of the above-mentioned document has been furnished to the following individuals via e-mail on this 18th day of May, 2021.

/s/ Matthew R. Bernier

Attorney

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DUKE ENERGY FLORIDA
FUEL AND PURCHASED POWER

APRIL 2021

	\$				MWH				CENTS/KWH			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
1 FUEL COST OF SYSTEM NET GENERATION (SCH A3)	91,479,028	84,783,693	6,695,335	7.9	2,925,077	2,964,218	(39,141)	(1.3)	3.1274	2.8602	0.2672	9.3
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	1,105,338	1,114,006	(8,668)	(0.8)	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	92,584,366	85,897,699	6,686,667	7.8	2,925,077	2,964,218	(39,141)	(1.3)	3.1652	2.8978	0.2674	9.2
5 ENERGY COST OF PURCHASED POWER - FIRM (SCH A7)	5,959,317	866,378	5,092,939	587.8	109,252	26,635	82,617	310.2	5.4547	3.2528	2.2019	67.7
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)	1,424,838	149,250	1,275,588	854.7	36,019	4,069	31,950	785.3	3.9558	3.6682	0.2876	7.8
8 PAYMENTS TO QUALIFYING FACILITIES (SCH A8)	7,109,630	8,022,798	(913,168)	(11.4)	177,610	221,208	(43,598)	(19.7)	4.0029	3.6268	0.3761	10.4
9 TOTAL COST OF PURCHASED POWER	14,493,785	9,038,426	5,455,360	60.4	322,881	251,912	70,969	28.2	4.4889	3.5879	0.9010	25.1
10 TOTAL AVAILABLE MWH					3,247,958	3,216,130	31,828	1				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(388,396)	(176,655)	(211,741)	119.9	(20,020)	(5,557)	(14,464)	260.3	1.9400	3.1792	(1.2392)	(39.0)
11a GAIN ON OTHER POWER SALES - 100% (SCH A6)	(111,650)	(44,794)	(66,856)	149.3	(20,020)	(5,557)	(14,464)	260.3	0.5577	0.8062	(0.2485)	(30.8)
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	(2,813,792)	(2,129,343)	(684,449)	32.1	(133,751)	(109,592)	(24,159)	22.0	2.1038	1.9430	0.1608	8.3
13 TOTAL FUEL COST AND GAINS ON POWER SALES	(3,313,839)	(2,350,792)	(963,047)	41.0	(153,771)	(115,148)	(38,623)	33.5	2.1550	2.0415	0.1135	5.6
14 NET INADVERTENT AND WHEELED INTERCHANGE					16,642	0	16,642					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	103,764,312	92,585,333	11,178,979	12.1	3,110,829	3,100,982	9,847	0.3	3.3356	2.9857	0.3499	11.7
16 NET UNBILLED	3,628,615	7,173,890	(3,545,275)	(49.4)	(108,785)	(240,277)	131,492	(54.7)	0.1229	0.2695	(0.1466)	(54.4)
17 COMPANY USE	399,271	389,586	9,685	2.5	(11,970)	(13,049)	1,078	(8.3)	0.0135	0.0146	(0.0011)	(7.5)
18 T & D LOSSES	1,271,558	5,554,066	(4,282,508)	(77.1)	(38,121)	(186,024)	147,903	(79.5)	0.0431	0.2087	(0.1656)	(79.4)
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	103,764,312	92,585,333	11,178,979	12.1	2,951,953	2,661,633	290,320	10.9	3.5151	3.4785	0.0366	1.1
20 WHOLESALE KWH SALES (EXCLUDING STRATIFIED SALES)	(41,506)	(27,776)	(13,730)	49.4	(1,128)	(689)	(440)	63.9	3.6782	4.0342	(0.3560)	(8.8)
21 JURISDICTIONAL KWH SALES	103,722,807	92,557,557	11,165,249	12.1	2,950,824	2,660,944	289,880	10.9	3.5150	3.4784	0.0366	1.1
22 JURISDICTIONAL KWH SALES ADJUSTED FOR LINE LOSS - 1.00031	103,751,849	92,586,250	11,165,599	12.1	2,950,824	2,660,944	289,880	10.9	3.5160	3.4795	0.0365	1.1
23 PRIOR PERIOD TRUE-UP	(5,090,285)	(5,090,285)	(0)	0.0	2,950,824	2,660,944	289,880	10.9	(0.1725)	(0.1913)	0.0188	(9.8)
24 TOTAL JURISDICTIONAL FUEL COST	98,661,564	87,495,965	11,165,599	12.8	2,950,824	2,660,944	289,880	10.9	3.3435	3.2882	0.0553	1.7
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									3.3459	3.2906	0.0553	1.7
27 GPIF	367,309	367,309			2,950,824	2,660,944			0.0124	0.0138	(0.0014)	(10.1)
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									3.358	3.304	0.054	1.6

*Line 11a. MWH Data for Informational Purposes Only

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

DUKE ENERGY FLORIDA
FUEL AND PURCHASED POWER
COST RECOVERY CLAUSE CALCULATION
YEAR TO DATE - APRIL 2021

	\$				MWH				CENTS/KWH			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
1 FUEL COST OF SYSTEM NET GENERATION (SCH A3)	364,365,007	357,825,757	6,539,250	1.8	11,320,811	11,434,046	(113,235)	(1.0)	3.2185	3.1295	0.0890	2.8
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	4,609,943	4,477,435	132,508	3.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	368,974,950	362,303,192	6,671,759	1.8	11,320,811	11,434,046	(113,235)	(1.0)	3.2593	3.1686	0.0907	2.9
5 ENERGY COST OF PURCHASED POWER - FIRM (SCH A7)	22,754,977	2,180,362	20,574,615	943.6	352,618	58,282	294,336	505.0	6.4532	3.7411	2.7121	72.5
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)	3,943,231	479,085	3,464,146	723.1	97,094	12,711	84,383	663.9	4.0613	3.7691	0.2922	7.8
8 PAYMENTS TO QUALIFYING FACILITIES (SCH A8)	30,056,352	33,000,756	(2,944,404)	(8.9)	769,903	898,836	(128,933)	(14.3)	3.9039	3.6715	0.2324	6.3
9 TOTAL COST OF PURCHASED POWER	56,754,561	35,660,203	21,094,358	59.2	1,219,614	969,829	249,785	25.8	4.6535	3.6770	0.9765	26.6
10 TOTAL AVAILABLE MWH					12,540,425	12,403,875	136,550	1.1				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(1,641,608)	(2,687,545)	1,045,937	(38.9)	(79,570)	(80,185)	615	(0.8)	2.0631	3.3517	(1.2886)	(38.5)
11a GAIN ON OTHER POWER SALES - 100% (SCH A6)	(477,823)	(681,481)	203,658	(29.9)	(79,570)	(80,185)	615	(0.8)	0.6005	0.8499	(0.2494)	(29.3)
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	(13,020,955)	(8,258,808)	(4,762,147)	57.7	(491,547)	(380,049)	(111,498)	29.3	2.6490	2.1731	0.4759	21.9
13 TOTAL FUEL COST AND GAINS ON POWER SALES	(15,140,386)	(11,627,834)	(3,512,552)	30.2	(571,117)	(460,234)	(110,883)	24.1	2.6510	2.5265	0.1245	4.9
14 NET INADVERTENT AND WHEELED INTERCHANGE					73,390	0	73,390					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	410,589,125	386,335,560	24,253,565	6.3	12,042,698	11,943,641	99,057	0.8	3.4094	3.2347	0.1747	5.4
16 NET UNBILLED	(9,859,289)	647,367	(10,506,656)	(1,623.0)	293,682	(45,076)	338,758	(751.5)	(0.0858)	0.0058	(0.0916)	(1,579.3)
17 COMPANY USE	2,008,491	1,945,727	62,764	3.2	(57,384)	(59,870)	2,486	(4.2)	0.0175	0.0175	0.0000	0.0
18 T & D LOSSES	26,465,145	23,179,335	3,285,810	14.2	(788,199)	(716,591)	(71,608)	10.0	0.2303	0.2084	0.0219	10.5
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	410,589,125	386,335,560	24,253,565	6.3	11,490,797	11,122,104	368,694	3.3	3.5732	3.4736	0.0996	2.9
20 WHOLESALE KWH SALES (EXCLUDING STRATIFIED SALES)	(650,188)	(95,661)	(554,528)	579.7	(18,012)	(2,785)	(15,228)	546.8	3.6097	3.4351	0.1746	5.1
21 JURISDICTIONAL KWH SALES	409,938,937	386,239,899	23,699,037	6.1	11,472,785	11,119,319	353,466	3.2	3.5731	3.4736	0.0995	2.9
22 JURISDICTIONAL KWH SALES ADJUSTED FOR LINE LOSS - 1.00031	410,056,558	386,359,634	23,696,924	6.1	11,472,785	11,119,319	353,466	3.2	3.5742	3.4747	0.0995	2.9
23 PRIOR PERIOD TRUE-UP	(20,361,141)	(20,361,140)	(1)	0.0	11,472,785	11,119,319	353,466	3.2	(0.1775)	(0.1831)	0.0056	(3.1)
24 TOTAL JURISDICTIONAL FUEL COST	389,695,417	365,998,494	23,696,923	6.5	11,472,785	11,119,319	353,466	3.2	3.3967	3.2916	0.1051	3.2
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									3.3991	3.2940	0.1052	3.2
27 GPIF	1,469,237	1,469,236			11,472,785	11,119,319			0.0128	0.0132	(0.0004)	103.1
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									3.412	3.307	0.105	3.2

*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
APRIL 2021

	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	\$91,479,028	84,783,693	\$6,695,335	7.9	\$364,365,007	\$357,825,757	\$6,539,250	1.8
1a. COAL CAR SALE	0	0	0	0.0	0	0	0	0.0
2 . FUEL COST OF POWER SOLD	(388,396)	(176,655)	(211,741)	119.9	(1,641,608)	(2,687,545)	1,045,937	(38.9)
2a. GAIN ON POWER SALES	(111,650)	(44,794)	(66,856)	149.3	(477,823)	(681,481)	203,658	(29.9)
3 . FUEL COST OF PURCHASED POWER	5,959,317	866,378	5,092,939	587.8	22,754,977	2,180,362	20,574,615	943.6
3a. ENERGY PAYMENTS TO QUALIFYING FACILITIES	7,109,630	8,022,798	(913,168)	(11.4)	30,056,352	33,000,756	(2,944,404)	(8.9)
4 . ENERGY COST OF ECONOMY PURCHASES	1,424,838	149,250	1,275,588	854.7	3,943,231	479,085	3,464,146	723.1
5 . TOTAL FUEL & NET POWER TRANSACTIONS	105,472,767	93,600,670	11,872,097	12.7	419,000,137	390,116,934	28,883,203	7.4
6 . ADJUSTMENTS TO FUEL COST:								
6a. FUEL COST OF STRATIFIED SALES	(2,813,792)	(2,129,343)	(684,449)	32.1	(13,020,955)	(8,258,808)	(4,762,147)	57.7
6b. OTHER- JURISDICTIONAL ADJUSTMENTS (see detail below)	1,105,338	1,114,006	(8,668)	(0.8)	4,609,943	4,477,435	132,508	3.0
6c. OTHER - PRIOR PERIOD ADJUSTMENT	0	0	0	0.0	0	0	0	0.0
7 . ADJUSTED TOTAL FUEL & NET PWR TRNS	\$103,764,312	\$92,585,333	\$11,178,979	12.1	\$410,589,125	\$386,335,560	\$24,253,565	6.3

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
UNIVERSITY OF FLORIDA STEAM REVENUE ALLOCATION (Wholesale Portion)	40	0	40	640	0	640	
WHOLESALE ALLOCATION ADJUSTMENT	0	0	0	0	0	0	
TANK BOTTOM ADJUSTMENT	0	0	0	0	0	0	
AERIAL SURVEY ADJUSTMENT (Coal Pile)	0	0	0	0	0	0	
FPD AGREEMENT TERMINATION	1,105,298	0	1,105,298	4,447,906	0	4,447,906	
RAIL CAR SALE PROCEEDS	0	0	0	0	0	0	
CITRUS SETTLEMENT FUEL GIVEBACK	0	0	0	0	0	0	
NET METER SETTLEMENT	0	0	0	161,397	0	161,397	
2019 ADJUSTMENT: GAIN ON TOTAL POWER SALES - 20% (SCH A6) **	0	0	0	0	0	0	
Derivative Collateral Interest	0	0	0	0	0	0	
SUBTOTAL LINE 6b SHOWN ABOVE	\$1,105,338	\$0	\$1,105,338	\$4,609,943	\$0	\$4,609,943	

** Adjustment to correct 2019 customer gain on non-separate wholesale sales.

B. KWH SALES

1 . JURISDICTIONAL SALES	2,950,823,880	2,660,944,349	289,879,531	10.9	11,472,784,511	11,119,319,087	353,465,424	3.2
2 . NON JURISDICTIONAL (WHOLESALE) SALES	1,128,420	688,500	439,920	63.9	18,012,374	2,784,800	15,227,574	546.8
3 . TOTAL SALES	2,951,952,300	2,661,632,849	290,319,451	10.9	11,490,796,885	11,122,103,887	368,692,998	3.3
4 . JURISDICTIONAL SALES % OF TOTAL SALES	99.96	99.97	(0.01)	(0.0)	99.84	99.97	(0.13)	(0.1)

DUKE ENERGY FLORIDA
CALCULATION OF TRUE-UP AND INTEREST PROVISION
APRIL 2021

	CURRENT MONTH				YEAR TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT
C. TRUE UP CALCULATION								
1. JURISDICTIONAL FUEL REVENUE	\$89,476,925	\$82,164,022	\$7,312,903	8.9	\$347,808,527	\$343,339,755	\$4,468,772	1.3
2. ADJUSTMENTS:	0	0	0	0.0	0	0	0	0.0
2a. TRUE UP PROVISION	5,090,285	5,090,285	0	0.0	20,361,141	20,361,140	1	0.0
2b. INCENTIVE PROVISION	(367,309)	(367,309)	(0)	0.0	(1,469,237)	(1,469,236)	(1)	0.0
3. TOTAL JURISDICTIONAL FUEL REVENUE	94,199,901	86,886,998	7,312,903	8.4	366,700,431	362,231,659	4,468,772	1.2
4. ADJ TOTAL FUEL & NET PWR TRNS (LINE A7)	103,764,312	92,585,333	11,178,979	12.1	410,589,125	386,335,560	24,253,565	6.3
5. JURISDICTIONAL SALES % OF TOT SALES (LINE B4)	99.96	99.97	(0.01)	(0.0)	99.84	99.97	(0.13)	(0.1)
6. JURISDICTIONAL FUEL & NET POWER TRANSACTIONS (LINE C4 * LINE C5 * 1.00031 LOSS MULTIPLIER)	103,751,849	92,586,250	11,165,599	12.1	410,056,558	386,359,634	23,696,924	6.1
7. TRUE UP PROVISION FOR THE MONTH OVER/(UNDER) COLLECTION (LINE C3 - C6)	(9,551,948)	(5,699,252)	(3,852,696)	67.6	(43,356,127)	(24,127,975)	(19,228,152)	79.7
8. INTEREST PROVISION FOR THE MONTH (LINE D10)	(2,785)	1,762	(4,548)	(258.0)	(1,812)	12,908	(14,720)	(114.0)
9. TRUE UP & INTEREST PROVISION BEG OF MONTH/PERIOD	(27,494,476)	27,394,991	(54,889,467)	(200.4)	21,579,587	61,083,424	(39,503,837)	(64.7)
10. TRUE UP COLLECTED (REFUNDED)	(5,090,285)	(5,090,285)	(0)	0.0	(20,361,141)	(20,361,140)	(1)	0.0
11. END OF PERIOD TOTAL NET TRUE UP (LINES C7 + C8 + C9 + C10)	(42,139,494)	16,607,217	(58,746,711)	(353.7)	(42,139,494)	16,607,217	(58,746,711)	(353.7)
12. OTHER:	0				0		0	
13. END OF PERIOD TOTAL NET TRUE UP (LINES C11 + C12)	(\$42,139,494)	16,607,217	(58,746,711)	(353.7)	(\$42,139,494)	16,607,217	(58,746,711)	(353.7)
D. INTEREST PROVISION								
1. BEGINNING TRUE UP (LINE C9)	(\$27,494,476)	N/A	--	--				
2. ENDING TRUE UP (LINES C7 + C9 + C10 + C12)	(42,136,709)	N/A	--	--				
3. TOTAL OF BEGINNING & ENDING TRUE UP	(69,631,184)	N/A	--	--				
4. AVERAGE TRUE UP (50% OF LINE D3)	(34,815,592)	N/A	--	--				
5. INTEREST RATE - FIRST DAY OF REPORTING MONTH	0.110	N/A	--	--				
6. INTEREST RATE - FIRST DAY OF SUBSEQUENT MONTH	0.070	N/A	--	--				
7. TOTAL (LINE D5 + LINE D6)	0.180	N/A	--	--				
8. AVERAGE INTEREST RATE (50% OF LINE D7)	0.090	N/A	--	--				
9. MONTHLY AVERAGE INTEREST RATE (LINE D8/12)	0.008	N/A	--	--				
10. INTEREST PROVISION (LINE D4 * LINE D9)	(\$2,785)	N/A	--	--				

A-3 Generating System Comparative Data Report

Report Period : 4/1/2021 to 4/1/2021

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	1,392,329	574,512	817,817	142.3 %
3 - COAL	20,184,047	8,986,470	11,197,577	124.6 %
4 - GAS	69,902,652	75,222,711	(5,320,059)	(7.1 %)
5 - NUCLEAR	0	0	0	0.0 %
6	0	0	0	0.0 %
7	0	0	0	0.0 %
8 - TOTAL (\$)	91,479,028	84,783,693	6,695,335	7.9 %
SYSTEM NET GENERATION (MWH)				
9 - HEAVY OIL	0	0	0	0.0 %
10 - LIGHT OIL	2,557	1,874	683	36.5 %
11 - COAL	604,649	300,823	303,826	101.0 %
12 - GAS	2,221,771	2,534,183	(312,412)	(12.3 %)
13 - NUCLEAR	0	0	0	0.0 %
14 - SOLAR	96,100	127,338	(31,238)	(24.5 %)
15	0	0	0	0.0 %
16 - TOTAL (MWH)	2,925,077	2,964,218	(39,141)	(1.3 %)
UNITS OF FUEL BURNED				
17 - HEAVY OIL (BBL)	0	0	0	0.0 %
18 - LIGHT OIL (BBL)	11,997	4,526	7,471	165.1 %
19 - COAL (TON)	287,457	137,253	150,204	109.4 %
20 - GAS (MCF)	16,237,530	17,969,518	(1,731,988)	(9.6 %)
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	68,528	26,376	42,152	159.8 %
26 - COAL	6,351,075	3,197,490	3,153,585	98.6 %
27 - GAS	16,592,729	17,969,518	(1,376,789)	(7.7 %)
28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (MILLION BTU)	23,012,332	21,193,384	1,818,948	8.6 %
GENERATION MIX (% MWH)				
32 - HEAVY OIL	0.0	0.00	0.0	0.0 %
33 - LIGHT OIL	0.1	0.06	0.0	38.3 %
34 - COAL	20.7	10.15	10.5	103.7 %
35 - GAS	76.0	85.49	(9.5)	(11.2 %)
36 - NUCLEAR	0.0	0.00	0.0	0.0 %
37 - SOLAR	3.3	4.30	(1.0)	(23.5 %)
38	0	0	0	0
39 - TOTAL (% MWH)	100.0	100.0	0.0	0.0 %
FUEL COST PER UNIT (\$)				

A-3 Generating System Comparative Data Report

Report Period : 4/1/2021 to 4/1/2021

Duke Energy Florida, LLC

40 - HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.0 %
41 - LIGHT OIL (\$/BBL)	116.06	126.94	(10.88)	(8.6 %)
42 - COAL (\$/TON)	70.22	65.47	4.74	7.2 %
43 - GAS (\$/MCF)	4.31	4.19	0.12	2.8 %
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	20.32	21.78	(1.46)	(6.7 %)
49 - COAL	3.18	2.81	0.37	13.1 %
50 - GAS	4.21	4.19	0.03	0.6 %
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)	3.98	4.00	(0.03)	(0.6 %)
BTU BURNED PER KWH (BTU/KWH)				
55 - HEAVY OIL	0	0	0	0.0 %
56 - LIGHT OIL	26,799	14,075	12,724	90.4 %
57 - COAL	10,504	10,629	(125)	(1.2 %)
58 - GAS	7,468	7,091	377	5.3 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %
62 - SYSTEM (BTU/KWH)	7,867	7,150	718	10.0 %
GENERATED FUEL COST PER KWH (CENTS/KWH)				
63 - HEAVY OIL	0.00	0.00	0.00	0.0 %
64 - LIGHT OIL	54.45	30.66	23.79	77.6 %
65 - COAL	3.34	2.99	0.35	11.7 %
66 - GAS	3.15	2.97	0.18	6.0 %
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)	3.13	2.86	0.27	9.3 %

A-3 Generating System Comparative Data Report

Report Period : 1/1/2021 to 4/1/2021

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	10,289,734	3,315,344	6,974,390	210.4 %
3 - COAL	54,441,797	62,714,811	(8,273,014)	(13.2 %)
4 - GAS	299,633,476	291,795,602	7,837,874	2.7 %
5 - NUCLEAR	0	0	0	0.0 %
6	0	0	0	0.0 %
7	0	0	0	0.0 %
8 - TOTAL (\$)	364,365,007	357,825,757	6,539,250	1.8 %
SYSTEM NET GENERATION (MWH)				
9 - HEAVY OIL	0	0	0	0.0 %
10 - LIGHT OIL	31,981	12,543	19,438	155.0 %
11 - COAL	1,640,904	2,132,056	(491,152)	(23.0 %)
12 - GAS	9,367,936	8,877,430	490,506	5.5 %
13 - NUCLEAR	0	0	0	0.0 %
14 - SOLAR	279,989	412,018	(132,029)	(32.0 %)
15	0	0	0	0.0 %
16 - TOTAL (MWH)	11,320,811	11,434,047	(113,236)	(1.0 %)
UNITS OF FUEL BURNED				
17 - HEAVY OIL (BBL)	0	0	0	0.0 %
18 - LIGHT OIL (BBL)	92,421	28,343	64,078	226.1 %
19 - COAL (TON)	755,509	932,971	(177,462)	(19.0 %)
20 - GAS (MCF)	68,422,192	61,434,148	6,988,044	11.4 %
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	530,260	165,118	365,142	221.1 %
26 - COAL	16,778,608	21,869,186	(5,090,578)	(23.3 %)
27 - GAS	70,132,142	61,434,148	8,697,994	14.2 %
28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (MILLION BTU)	87,441,009	83,468,452	3,972,557	4.8 %
GENERATION MIX (% MWH)				
32 - HEAVY OIL	0.0	0.00	0.0	0.0 %
33 - LIGHT OIL	0.3	0.11	0.2	157.5 %
34 - COAL	14.5	18.65	(4.2)	(22.3 %)
35 - GAS	82.7	77.64	5.1	6.6 %
36 - NUCLEAR	0.0	0.00	0.0	0.0 %
37 - SOLAR	2.5	3.60	(1.1)	(31.4 %)
38	0	0	0	0
39 - TOTAL (% MWH)	100.0	100.0	0.0	0.0 %
FUEL COST PER UNIT (\$)				

A-3 Generating System Comparative Data Report

Report Period : 1/1/2021 to 4/1/2021

Duke Energy Florida, LLC

40 - HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.0 %
41 - LIGHT OIL (\$/BBL)	111.34	116.97	(5.64)	(4.8 %)
42 - COAL (\$/TON)	72.06	67.22	4.84	7.2 %
43 - GAS (\$/MCF)	4.38	4.75	(0.37)	(7.8 %)
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	19.41	20.08	(0.67)	(3.4 %)
49 - COAL	3.24	2.87	0.38	13.1 %
50 - GAS	4.27	4.75	(0.48)	(10.0 %)
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)	4.17	4.29	(0.12)	(2.8 %)
BTU BURNED PER KWH (BTU/KWH)				
55 - HEAVY OIL	0	0	0	0.0 %
56 - LIGHT OIL	16,580	13,164	3,416	25.9 %
57 - COAL	10,225	10,257	(32)	(0.3 %)
58 - GAS	7,486	6,920	566	8.2 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %
62 - SYSTEM (BTU/KWH)	7,724	7,300	424	5.8 %
GENERATED FUEL COST PER KWH (CENTS/KWH)				
63 - HEAVY OIL	0.00	0.00	0.00	0.0 %
64 - LIGHT OIL	32.17	26.43	5.74	21.7 %
65 - COAL	3.32	2.94	0.38	12.8 %
66 - GAS	3.20	3.29	(0.09)	(2.7 %)
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)	3.22	3.13	0.09	2.8 %

A-4 System Net Generation and Fuel Cost Report

Report Period : 4/1/2021 to 4/1/2021

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													
Columbia Solar 1													
TOTAL CSF 1	75	17,339.00	32			0				0	0	0.000	
Debary Solar 1													
TOTAL DSF 1	74	12,923.00	24			0				0	0	0.000	
Hamilton Solar Facility													
TOTAL HSF 1	75	16,131.00	30			0				0	0	0.000	
Lake Placid Solar Facility													
TOTAL LKP 1	45	11,064.00	34			0				0	0	0.000	
Osceola Solar Facility 1													
TOTAL UNIT 1	4	551.00	19			0				0	0	0.000	
Perry Solar Facility 1													
TOTAL UNIT 1	5	650.00	18			0				0	0	0.000	
Santa Fe Solar Facility													
TOTAL Unit 1	75	17,977.00	33			0				0	0	0.000	
Suwanee Solar Facility													
TOTAL UNIT 1	9	1,673.00	26			0				0	0	0.000	
Trenton Solar Facility													
TOTAL TRN 1	75	17,763.00	33			0				0	0	0.000	
Twin Rivers Solar Facility													
TOTAL Unit 1	75	0.00	0			0				0	0	0.000	
St. Pete Pier	0.35	28.80	11			0				0	0	0.000	
TOTAL Solar	512	96,099.80				0				0	0	0.000	
Steam													
Anclote													
		31,096.00					Gas	339,910	1.025	348,408	1,657,560	5.330	4.876
TOTAL UNIT 1	521	31,096.00	8			11,204				348,408	1,657,560	5.330	
		49,032.00					Gas	560,365	1.025	574,374	2,732,601	5.573	4.876
TOTAL UNIT 2	514	49,032.00	13			11,714				574,374	2,732,601	5.573	
Crystal River 4 & 5													
		335,824.00					Coal	155,676	22.094	3,439,506	10,930,928	3.255	70.216
		0.00					No 2	2,292	5.690	13,042	296,055	0.000	129.169
TOTAL UNIT 4	721	335,824.00	65			10,281				3,452,548	11,226,983	3.343	
		268,825.00					Coal	131,781	22.094	2,911,569	9,253,119	3.442	70.216
		0.00					No 2	3,090	5.690	17,583	399,132	0.000	129.169
TOTAL UNIT 5	721	268,825.00	52			10,896				2,929,153	9,652,252	3.591	
TOTAL Steam	2,477	684,777.00				10,667				7,304,482	25,269,395	4.000	
Gas Turbine													
Bartow Combined Cycle													
		567,154.00					Gas	4,082,561	1.020	4,164,212	15,654,528	2.760	3.834
TOTAL BCC	1,259	567,154.00	63			7,342				4,164,212	15,654,528	2.760	
Bartow Peaker													
		457.87					No 2	1,531	5.712	8,745	159,288	34.789	104.042
		1,166.13					Gas	21,772	1.023	22,273	107,677	9.234	4.946
TOTAL BAP	223	1,624.00	1			19,100				31,018	266,965	16.439	
Bayboro Peaker													
		0.00					No 2	0	0.000	0	9,010	0.000	0.000

A-4 System Net Generation and Fuel Cost Report

Report Period : 4/1/2021 to 4/1/2021

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 BYP	0	0.00	0			0				0	9,010	0.000	
Citrus County													
TOTAL CCCC	1,584	542,760.00	48			6,798	Gas	3,599,859	1.025	3,689,855	19,979,973	3.681	5.550
Debary Peaker													
		711.74					No 2	1,734	5.768	10,001	197,985	27.817	114.178
TOTAL DEP	707	12,104.26	3			14,052	Gas	165,940	1.025	170,089	797,562	6.589	4.806
Hines Energy													
TOTAL HEP	1,616	702,270.00	60			7,109	Gas	4,889,886	1.021	4,992,574	19,011,254	2.707	3.888
Intercession City Peaker													
		1,307.25					No 2	3,150	5.712	17,993	312,466	23.902	99.195
TOTAL ICP	1,198	25,206.55	3			13,764	Gas	338,807	1.024	346,938	1,305,551	5.179	3.853
Osprey													
TOTAL OSP	569	187,810.00	46			7,369	Gas	1,356,814	1.020	1,383,950	5,199,559	2.769	3.832
Suwannee Peaker													
		80.37					No 2	200	5.817	1,163	18,394	22.885	91.968
TOTAL SRP	135	2,067.33	2			14,475	Gas	29,252	1.023	29,925	140,090	6.776	4.789
Tiger Bay Cogen													
TOTAL TBP	224	87,769.00	54			7,813	Gas	672,307	1.020	685,753	2,578,324	2.938	3.835
Univ of Florida Cogen													
		0.00					No 2	0	0.000	0	0	0.000	0.000
TOTAL UFP	50	13,335.30	37			13,826	Gas	180,057	1.024	184,378	737,972	5.534	4.099
TOTAL Gas Turbine	7,565	2,144,200.00				7,326				15,707,850	66,200,623	3.087	
SYSTEM TOTAL	10,554	2,925,076.60				7,867				23,012,332	91,479,028	3.127	

A-4 System Net Generation and Fuel Cost Report

Report Period : 1/1/2021 to 4/1/2021

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													
Columbia Solar 1													
TOTAL CSF 1	75	53,408.00	25			0				0	0	0.000	
Debary Solar 1													
TOTAL DSF 1	74	45,065.00	21			0				0	0	0.000	
Hamilton Solar Facility													
TOTAL HSF 1	75	50,270.00	23			0				0	0	0.000	
Lake Placid Solar Facility													
TOTAL LKP 1	45	34,343.00	26			0				0	0	0.000	
Osceola Solar Facility 1													
TOTAL UNIT 1	4	2,181.00	19			0				0	0	0.000	
Perry Solar Facility 1													
TOTAL UNIT 1	5	2,453.00	17			0				0	0	0.000	
Santa Fe Solar Facility													
TOTAL Unit 1	75	31,946.00	15			0				0	0	0.000	
Suwanee Solar Facility													
TOTAL UNIT 1	9	5,426.00	21			0				0	0	0.000	
Trenton Solar Facility													
TOTAL TRN 1	75	54,053.00	25			0				0	0	0.000	
Twin Rivers Solar Facility													
TOTAL Unit 1	75	687.00	0			0				0	0	0.000	
St. Pete Pier													
TOTAL Unit 1	0.35	157.32	16			0				0	0	0.000	
TOTAL Solar													
TOTAL Solar	512	279,989.32				0				0	0	0.000	
Steam													
Anclote													
TOTAL UNIT 1		61,253.00					Gas	684,577	1.026	702,610	3,455,359	5.641	5.047
TOTAL UNIT 1	521	61,253.00	4			11,471				702,610	3,455,359	5.641	
TOTAL UNIT 2		278,222.00					Gas	3,164,109	1.027	3,250,621	16,102,163	5.788	5.089
TOTAL UNIT 2	514	278,222.00	19			11,684				3,250,621	16,102,163	5.788	
Crystal River 4 & 5													
TOTAL UNIT 4		377,548.00					Coal	178,780	22.116	3,953,939	12,568,630	3.329	70.302
TOTAL UNIT 4		0.00					No 2	6,410	5.722	36,676	767,264	0.000	119.698
TOTAL UNIT 4	721	377,548.00	18			10,570				3,990,615	13,335,894	3.532	
TOTAL UNIT 5		1,263,357.00					Coal	576,729	22.237	12,824,669	41,873,167	3.314	72.605
TOTAL UNIT 5		0.00					No 2	8,446	5.720	48,310	1,189,738	0.000	140.864
TOTAL UNIT 5	721	1,263,357.00	61			10,190				12,872,979	43,062,905	3.409	
TOTAL Steam													
TOTAL Steam	2,477	1,980,380.00				10,512				20,816,825	75,956,321	4.000	
Gas Turbine													
Bartow Combined Cycle													
TOTAL BCC	1,259	1,889,391.00	52			7,648	Gas	14,150,924	1.021	14,450,134	56,232,173	2.976	3.974
TOTAL BCC		1,889,391.00								14,450,134	56,232,173	2.976	
Bartow Peaker													
TOTAL BAP		4,969.40					No 2	12,591	5.712	71,920	1,309,951	26.360	104.039
TOTAL BAP		4,157.60					Gas	58,690	1.025	60,171	301,940	7.262	5.145
TOTAL BAP	223	9,127.00	1			14,473				132,091	1,611,891	17.661	
Bayboro Peaker													
TOTAL BYP		416.00					No 2	1,576	5.712	9,002	232,375	55.859	147.446
TOTAL BYP	238	416.00	0			21,640				9,002	232,375	55.859	

A-4 System Net Generation and Fuel Cost Report

Report Period : 1/1/2021 to 4/1/2021

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 (\$)
Citrus County													
TOTAL CCCC	1,884	2,971,864.00	55			6,780	Gas	19,576,987	1.029	20,150,297	95,779,589	3.223	4.892
Debary Peaker													
		14,809.54					No 2	35,409	5.768	204,231	4,042,929	27.299	114.178
TOTAL DEP	707	50,672.00	2			13,791	Gas	481,500	1.027	494,562	2,486,706	6.934	5.164
Hines Energy													
TOTAL HEP	2,167	3,150,454.00	50			7,237	Gas	22,273,387	1.024	22,799,278	92,873,134	2.948	4.170
Intercession City Peaker													
		10,809.35					No 2	25,633	5.712	146,416	2,530,801	23.413	98.732
TOTAL ICP	1,198	106,005.00	3			13,545	Gas	1,255,436	1.027	1,289,455	5,078,096	5.334	4.045
Osprey													
TOTAL OSP	569	553,849.00	34			7,244	Gas	3,926,057	1.022	4,012,005	14,954,640	2.700	3.809
Suwannee Peaker													
		976.68					No 2	2,356	5.817	13,705	216,676	22.185	91.968
TOTAL SRP	203	13,252.00	2			14,032	Gas	167,257	1.030	172,251	868,926	7.079	5.195
Tiger Bay Cogen													
TOTAL TBP	224	208,798.00	32			7,819	Gas	1,594,927	1.024	1,632,662	6,403,665	3.067	4.015
Univ of Florida Cogen													
		0.00					No 2	0	0.000	0	0	0.000	0.000
TOTAL UFP	50	106,613.00	74			10,487	Gas	1,088,341	1.027	1,118,097	5,097,087	4.781	4.683
TOTAL Gas Turbine	8,722	9,060,442.00				7,353				66,624,185	288,399,676	3.183	
SYSTEM TOTAL	11,711	11,320,810.96				7,724				87,441,009	364,365,007	3.219	

A-5 System Generation Fuel Cost Report

Report Period : 4/1/2021 to 4/1/2021

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)	4,783	4,526	257	5.7%
20 - UNIT COST (\$/BBL)	83.34	126.94	(43.59)	(34.3%)
21 - AMOUNT (\$)	398,634	574,512	(175,878)	(30.6%)
22 - BURNED				
23 - UNITS (BBL)	11,997	4,526	7,471	165.1%
24 - UNIT COST (\$/BBL)	116.06	126.94	(10.88)	(8.6%)
25 - AMOUNT (\$)	1,392,329	574,512	817,817	142.3%
26 - ADJUSTMENTS				
27 - UNITS (BBL)	0			
28 - AMOUNT (\$)	0			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	449,780	586,874	(137,094)	(23.4%)
31 - UNIT COST (\$/BBL)	109.98	108.36	1.62	1.5%
32 - AMOUNT (\$)	49,464,655	63,592,212	(14,127,557)	(22.2%)
33 -				
34 - DAYS SUPPLY	1,118	3,890	(2,772)	(71.3%)

A-5 System Generation Fuel Cost Report

Report Period : 4/1/2021 to 4/1/2021

Duke Energy Florida, LLC

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	244,250	137,253	106,997	78.0%
37 - UNIT COST (\$/TON)	68.69	65.47	3.22	4.9%
38 - AMOUNT (\$)	16,778,108	8,986,470	7,791,638	86.7%
39 - BURNED				
40 - UNITS (TON)	287,457	137,253	150,204	109.4%
41 - UNIT COST (\$/TON)	70.22	65.47	4.74	7.2%
42 - AMOUNT (\$)	20,184,047	8,986,470	11,197,577	124.6%
43 - ADJUSTMENTS				
44 - UNITS (TON)	0			
45 - AMOUNT (\$)	0			
46 - ENDING INVENTORY				
47 - UNITS (TON)	513,756	520,729	(6,973)	(1.3%)
48 - UNIT COST (\$/TON)	70.22	86.03	(15.82)	(18.4%)
49 - AMOUNT (\$)	36,073,865	44,798,943	(8,725,078)	(19.5%)
50 -				
51 - DAYS SUPPLY	54	114	(60)	(52.9%)
GAS				
52 - BURNED				
53 - UNITS (MCF)	16,237,530	17,969,518	(1,731,988)	(9.6%)
54 - UNIT COST (\$/MCF)	4.31	4.19	0.12	2.8%
55 - AMOUNT (\$)	69,902,652	75,222,711	(5,320,059)	(7.1%)
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 : 1/1/2021 to 4/1/2021

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)	9,051	28,343	(19,292)	(68.1%)
20 - UNIT COST (\$/BBL)	206.80	116.97	89.83	76.8%
21 - AMOUNT (\$)	1,871,750	3,315,344	(1,443,594)	(43.5%)
22 - BURNED				
23 - UNITS (BBL)	92,421	28,343	64,078	226.1%
24 - UNIT COST (\$/BBL)	111.34	116.97	(5.64)	(4.8%)
25 - AMOUNT (\$)	10,289,734	3,315,344	6,974,390	210.4%
26 - ADJUSTMENTS				
27 - UNITS (BBL)	0			
28 - AMOUNT (\$)	0			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	449,780	586,874	(137,094)	(23.4%)
31 - UNIT COST (\$/BBL)	109.98	108.36	1.62	1.5%
32 - AMOUNT (\$)	49,464,655	63,592,212	(14,127,557)	(22.2%)
33 -				
34 - DAYS SUPPLY	0	0	0	0.0%

A-5 System Generation Fuel Cost Report

Report Period : 1/1/2021 to 4/1/2021

Duke Energy Florida, LLC

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	715,129	932,971	(217,842)	(23.3%)
37 - UNIT COST (\$/TON)	70.56	67.22	3.34	5.0%
38 - AMOUNT (\$)	50,457,137	62,714,811	(12,257,674)	(19.5%)
39 - BURNED				
40 - UNITS (TON)	755,509	932,971	(177,462)	(19.0%)
41 - UNIT COST (\$/TON)	72.06	67.22	4.84	7.2%
42 - AMOUNT (\$)	54,441,797	62,714,811	(8,273,014)	(13.2%)
43 - ADJUSTMENTS				
44 - UNITS (TON)	0			
45 - AMOUNT (\$)	0			
46 - ENDING INVENTORY				
47 - UNITS (TON)	513,756	520,729	(6,973)	(1.3%)
48 - UNIT COST (\$/TON)	70.22	86.03	(15.82)	(18.4%)
49 - AMOUNT (\$)	36,073,865	44,798,943	(8,725,078)	(19.5%)
50 -				
51 - DAYS SUPPLY	0	0	0	0.0%
GAS				
52 - BURNED				
53 - UNITS (MCF)	68,422,192	61,434,148	6,988,044	11.4%
54 - UNIT COST (\$/MCF)	4.38	4.75	(0.37)	(7.8%)
55 - AMOUNT (\$)	299,633,476	291,795,602	7,837,874	2.7%
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%

Duke Energy Florida, LLC.
Schedule A6
Power Sold for the Month of
April 2021

(1)	(2)	(3)	(4)	(5)	(6a)	(6b)	(7)	(8)	(9)
Sold To	Type & Schedule	Total KWH Sold (000)	KWH 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		5,557		5,557	3.179	3.985	176,655	221,449	44,794.00
ACTUAL									
Orlando Utilities Commission	Schedule OS	1,050		1,050	3.701	5.796	38,860.50	60,858.00	21,997.50
Reedy Creek Improvement District	CR-1	5,085		5,085	1.731	2.055	88,006.60	104,506.45	16,499.85
Tallahassee (City of)	CR-1	160		160	1.737	3.645	2,779.92	5,832.72	3,052.80
Tallahassee (City of)	Schedule A	160		160	0.966	2.766	1,545.28	4,425.28	2,880.00
Tallahassee (City of)	Schedule OS	200		200	3.499	2.672	6,997.00	5,344.17	(1,652.83)
The Energy Authority	Schedule OS	13,295		13,295	1.874	2.383	249,094.00	316,770.55	67,676.55
Adjustments									
Reedy Creek Improvement District	CR-1	70		70	1.590	2.100	1,113.00	1,470.00	357.00
Tampa Electric Company								839.12	839.12
Subtotal - Gain on Other Power Sales		20,020	-	20,020	1.940	2.498	388,396.30	500,046.29	111,649.99
CURRENT MONTH TOTAL		20,020		20,020	1.940	2.498	388,396.30	500,046.29	111,649.99
DIFFERENCE		14,464		14,464	(1.239)	(1.488)	211,741.30	278,597.29	66,855.99
DIFFERENCE %		260		260	(38.978)	(37.328)	119.86	125.81	149.25
CUMULATIVE ACTUAL		79,570		79,570	2.063	2.664	1,641,608.29	2,119,430.97	477,822.68
CUMULATIVE ESTIMATED		80,185		80,185	3.352	4.202	2,687,545.00	3,369,026.00	681,481.00
DIFFERENCE		(615)		(615)	(1.29)	(1.54)	(1,045,936.71)	(1,249,595.03)	(203,658.32)
DIFFERENCE %		(1)		(1)	(38.45)	(36.60)	(38.92)	(37.09)	(29.88)

DUKE ENERGY FLORIDA, LLC
SCHEDULE A7

PURCHASED POWER
EXCLUSIVE OF ECONOMY PURCHASES
FOR THE MONTH OF:
APRIL, 2021

(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	KWH FOR FIRM (000)	FUEL COST C/KWH	TOTAL COST C/KWH	TOTAL AMOUNT FOR FUEL ADJ \$	FUEL COST \$
ESTIMATED		26,635			26,635	3.253	3.253	866,378.00	866,378.00
ACTUAL									
Shady Hills Power Company, L.L.C.	TOLL	5,930			5,930	7.652	7.652	453,777.69	453,777.69
Southern Power Company	Franklin	18,350			18,350	5.770	5.770	1,058,787.41	1,058,787.41
Vandolah Power Company L.L.C.	TOLL	78,188			78,188	6.402	6.402	5,005,950.16	5,005,950.16
ADJUSTMENTS									
Shady Hills Power Company, L.L.C.	TOLL	2,848			2,848	(0.791)	(0.791)	(22,533.52)	(22,533.52)
Southern Power Company	Franklin	(127)			(127)	371.279	371.279	(471,524.92)	(471,524.92)
Vandolah Power Company L.L.C.	TOLL	4,063			4,063	(1.603)	(1.603)	(65,139.68)	(65,139.68)
CURRENT MONTH TOTAL		109,252			109,252	5.455	5.455	5,959,317.14	5,959,317.14
DIFFERENCE		82,617			82,617	2.202	2.202	5,092,939.14	5,092,939.14
DIFFERENCE %		310			310	67.689	67.689	587.84	587.84
CUMULATIVE ACTUAL		352,618			352,618	6.453	6.453	22,754,977.31	22,754,977.31
CUMULATIVE ESTIMATED		58,282			58,282	3.741	3.741	2,180,362.00	2,180,362.00
DIFFERENCE		294,336			294,336	2.712	2.712	20,574,615.31	20,574,615.31
DIFFERENCE %		505			505	72.496	72.496	943.63	943.63

DUKE ENERGY FLORIDA, LLC
SCHEDULE A8

ENERGY PAYMENT TO QUALIFYING FACILITIES
FOR THE MONTH OF:
APRIL, 2021

(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		221,208	-	-	221,208	3.627	16.572	8,022,797.66
ACTUAL								
Lake County (LAKCOUNT) ADJ	CO-GEN	498 -			498 -	2.467	2.467	12,288.06 (8,930.77)
Lee County (LEECOGAS) ADJ	CO-GEN	- 970			- 970	-	-	- 77,140.46
Metro-Dade County (METRDDAS) ADJ	CO-GEN	- -			- -	-	-	- (8,283.63)
Orange Cogen (ORANGEAS) ADJ	CO-GEN	602 -			602 -	2.144	2.144	12,908.34 (31,747.15)
Orange Cogen (ORANGECO) ADJ	CO-GEN	34,580 -			34,580 -	3.928	21.778	1,358,301.22 (16,509.70)
Orlando Cogen Limited (ORLACOGL) ADJ	CO-GEN	86,398 -			86,398 -	5.286	12.632	4,567,110.52 120,970.75
Pasco County Resource Recovery (PASCOUNT) ADJ	CO-GEN	11,439 -			11,439 -	2.523	22.443	288,643.72 (5,751.51)
PCS Phosphate (OCSWFCRK) ADJ	CO-GEN	5 5			5 5	2.066	2.066	107.22 89.26
Pinellas County Resource Recovery (PINCOUNT) ADJ	CO-GEN	33,879 -			33,879 -	2.380	18.035	806,430.64 (134,145.54)
Polk Power Partners, L.P. (MULBERRY) ADJ	CO-GEN	9,234 -			9,234 -	2.609	92.801	240,930.54 (169,922.33)
CURRENT MONTH TOTAL		177,610			177,610	4.003	20.125	7,109,630.11
DIFFERENCE		(43,598)			(43,598)	0.376	3.554	(913,167.55)
DIFFERENCE %		(19.71)			(19.71)	10.371	21.44	(11.38)
CUMULATIVE ACTUAL		769,902			769,902	3.904	18.780	30,056,352.26
CUMULATIVE ESTIMATED		898,836			898,836	3.671	16.415	33,000,755.84
CUMULATIVE DIFFERENCE		(128,934)			(128,934)	0.232	2.366	(2,944,403.58)
CUMULATIVE DIFFERENCE %		(14.34)			(14.34)	6.33	14.41	(8.92)

DUKE ENERGY FLORIDA, LLC
SCHEDULE A9

ECONOMY ENERGY PURCHASES
INCLUDING LONG TERM PURCHASES
FOR THE MONTH OF:
APRIL, 2021

(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		4,069	3.668	149,250	4.115	167,446.00	18,196.00
ACTUAL:							
SubTotal - Energy Purchases (Broker)		-		\$0.00		\$0.00	\$0.00
SEPA		4,503	3.119	\$140,449.72	3.119	\$140,449.72	\$0.00
Exelon Generation Company, LLC	InternationalSwapsDe	400		\$15,200.00	4.971	19,884.00	\$4,684.00
Florida Power & Light Company Transmission	Transmission Purchase	-	0.000	\$46,199.16	-	\$0.00	(\$46,199.16)
Florida Power & Light Company		14,100	3.890	\$548,500.00	3.476	\$490,139.00	(\$58,361.00)
Macquarie Energy LLC		494	4.575	22,600.50	4.059	20,048.99	(2,551.51)
Orlando Utilities Commission	Schedule OS	2,700	5.467	147,600.00	4.107	110,898.00	(36,702.00)
Rainbow Energy Marketing Corporation		6,799	4.189	284,820.50	3.291	223,782.63	(61,037.87)
Southern Company Services, Inc.	EEl	5,602	3.290	184,308.00	4.535	254,043.78	69,735.78
Tallahassee (City of)	Schedule OS	521	1.089	5,673.00	2.325	12,114.17	6,441.17
Tampa Electric Company	EEl2	900	3.500	31,500.00	4.557	41,013.00	9,513.00
ADJUSTMENTS							
Florida Power & Light				(6,250.74)			6,250.74
Jacksonville Electric Authority				2,659.94			(2,659.94)
Southern Company Services				522.00			(522.00)
Southern Company Services	Transmission			1,048.92			(1,048.92)
PJM Settlements				6.93			(6.93)
SubTotal - Energy Purchases (Non-Broker)		36,019	3.956	1,424,837.93	3.644	1,312,373.29	(112,464.64)
CURRENT MONTH TOTAL		36,019	3.956	1,424,837.93	3.644	1,312,373.29	(112,464.64)
DIFFERENCE		31,950	0.288	1,275,587.93	(0.472)	1,144,927.29	(130,660.64)
DIFFERENCE %		785	7.841	854.67	(11.465)	683.76	(718.07)
CUMULATIVE ACTUAL		97,094	4.061	3,943,231.33	4.965	4,820,332.18	877,100.85
CUMULATIVE ESTIMATED		12,711	3.769	479,085.00	4.229	537,488.00	58,403.00
DIFFERENCE		84,383	0.292	3,464,146.33	0.736	4,282,844.18	818,697.85
DIFFERENCE %		664	7.750	723.08	17.404	796.83	1,401.81

DUKE ENERGY FLORIDA
SCHEDULE A12 - CAPACITY COSTS
FOR THE PERIOD JAN - DEC 2021

Counterparty	Type	MW	Start Date - End Date	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
1 Orange Cogen (ORANGEKO)	QF	74.00	7/1/95 - 12/31/24	6,181,528	6,196,226	6,188,877	6,188,877									24,755,508
2 Orlando Cogen Limited (ORLACOGL)	QF	79.20	9/1/93 - 12/31/23	6,225,933	6,225,933	6,225,933	6,225,933									24,903,733
3 Pasco County Resource Recovery (PASCOUNT)	QF	23.00	1/1/95 - 12/31/24	2,284,360	2,284,360	2,284,360	2,284,360									9,137,440
4 Pinellas County Resource Recovery (PINCOUNT)	QF	54.75	1/1/95 - 12/31/24	5,437,770	5,437,770	5,437,770	5,437,770									21,751,080
5 Polk Power Partners, L.P. (MULBERRY)	QF	115.00	8/1/94 - 8/8/24	8,498,223	8,498,223	8,498,223	8,498,223									33,992,892
6 Wheelabrator Ridge Energy, Inc. (RIDGEGEN)	QF	39.60	8/1/94 - 1/31/19	0	0	0	0									0
7 Southern purchase - Franklin	Other	425	6/1/16 - 5/31/21	4,832,347	4,988,816	2,913,671	2,914,969									15,649,803
8 Retail Wheeling				0	(19,418)	(4,147)	(1,634)									(25,200)
9 CR1&2 NBV				6,716,036	6,716,036	6,716,036	6,716,036									26,864,144
10 ISFSI Return				573,320	573,320	573,320	573,320									2,293,279
11 Vandolah Capacity Purchase			June 2012 - May 2027	3,033,279	2,968,686	2,017,074	1,998,157									10,017,196
12 Schedule H Capacity Sales - Tallahassee	1	-1	on-going no term date	(5,587)	0	0	0									(5,587)
13 Shady Hills Tolling	1	517	4/1/07-4/30/24	1,976,940	1,976,940	1,976,940	804,060									6,734,880
14 RidgeGen Agreement Termination				670,785	667,189	656,848	657,880									2,652,702
15 Hamilton SoBRA True-Up				0	0	0	0									0
16 Columbia SoBRA True-Up				0	0	0	0									0
17 Lake Placid SoBRA True-Up				0	0	0	0									0
18 Trenton SoBRA True-Up				0	0	0	0									0
19 Debary SoBRA True-Up				0	0	0	0									0
20 State Corporate Income Tax Change				(232,776)	(232,776)	(232,776)	(232,776)									(931,104)
TOTAL				46,192,158	46,281,305	43,252,129	42,065,174	0	0	0	0	0	0	0	0	177,790,766