



Matthew R. Bernier
ASSOCIATE GENERAL COUNSEL

June 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 May 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/mw
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 June, 2021.

s/ Matthew R. Bernier

Attorney

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DUKE ENERGY FLORIDA
FUEL AND PURCHASED POWER

MAY 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)	116,809,348	103,801,885	13,007,463	12.5	3,567,355	3,682,884	(115,529)	(3.1)	3.2744	2.8185	0.4559	16.2
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	1,102,029	1,110,845	(8,816)	(0.8)	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	117,911,377	104,912,730	12,998,648	12.4	3,567,355	3,682,884	(115,529)	(3.1)	3.3053	2.8487	0.4566	16.0
5 ENERGY COST OF PURCHASED POWER - FIRM (SCH A7)	10,846,159	2,326,315	8,519,844	366.2	203,671	54,945	148,727	270.7	5.3253	4.2339	1.0914	25.8
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)	4,071,775	194,346	3,877,429	1,995.1	50,912	4,544	46,369	1,020.5	7.9976	4.2772	3.7204	87.0
8 PAYMENTS TO QUALIFYING FACILITIES (SCH A8)	8,508,302	9,269,427	(761,125)	(8.2)	219,951	249,501	(29,550)	(11.8)	3.8683	3.7152	0.1531	4.1
9 TOTAL COST OF PURCHASED POWER	23,426,237	11,790,088	11,636,148	98.7	474,535	308,989	165,545	53.6	4.9367	3.8157	1.1210	29.4
10 TOTAL AVAILABLE MWH					4,041,890	3,991,874	50,016	1				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(448,330)	(544,153)	95,823	(17.6)	(24,815)	(15,079)	(9,736)	64.6	1.8067	3.6087	(1.8020)	(49.9)
11a GAIN ON OTHER POWER SALES - 100% (SCH A6)	(87,679)	(137,981)	50,302	(36.5)	(24,815)	(15,079)	(9,736)	64.6	0.3533	0.9151	(0.5618)	(61.4)
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	(8,266,447)	(3,811,913)	(4,454,534)	116.9	(277,496)	(198,008)	(79,488)	40.1	2.9789	1.9251	1.0538	54.7
13 TOTAL FUEL COST AND GAINS ON POWER SALES	(8,802,456)	(4,494,047)	(4,308,408)	95.9	(302,311)	(213,087)	(89,224)	41.9	2.9117	2.1090	0.8027	38.1
14 NET INADVERTENT AND WHEELED INTERCHANGE					17,046	0	17,046					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	132,535,158	112,208,771	20,326,387	18.1	3,756,625	3,778,786	(22,161)	(0.6)	3.5280	2.9694	0.5586	18.8
16 NET UNBILLED	14,334,348	16,104,380	(1,770,032)	(11.0)	(406,298)	(542,337)	136,039	(25.1)	0.4538	0.5378	(0.0840)	(15.6)
17 COMPANY USE	443,010	455,084	(12,074)	(2.7)	(12,557)	(15,326)	2,769	(18.1)	0.0140	0.0152	(0.0012)	(7.9)
18 T & D LOSSES	6,322,562	6,729,422	(406,860)	(6.1)	(179,209)	(226,623)	47,414	(20.9)	0.2002	0.2247	(0.0245)	(10.9)
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	132,535,158	112,208,771	20,326,387	18.1	3,158,561	2,994,501	164,060	5.5	4.1961	3.7472	0.4489	12.0
20 WHOLESALE KWH SALES (EXCLUDING STRATIFIED SALES)	(79,521)	(78,546)	(975)	1.2	(1,780)	(1,975)	195	(9.9)	4.4674	3.9766	0.4908	12.3
21 JURISDICTIONAL KWH SALES	132,455,637	112,130,225	20,325,412	18.1	3,156,781	2,992,525	164,255	5.5	4.1959	3.7470	0.4489	12.0
22 JURISDICTIONAL KWH SALES ADJUSTED FOR LINE LOSS - 1.00031	132,492,725	112,164,985	20,327,740	18.1	3,156,781	2,992,525	164,255	5.5	4.1971	3.7482	0.4489	12.0
23 PRIOR PERIOD TRUE-UP	(5,090,285)	(5,090,285)	(0)	0.0	3,156,781	2,992,525	164,255	5.5	(0.1612)	(0.1701)	0.0089	(5.2)
24 TOTAL JURISDICTIONAL FUEL COST	127,402,439	107,074,700	20,327,739	19.0	3,156,781	2,992,525	164,255	5.5	4.0359	3.5781	0.4578	12.8
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									4.0388	3.5807	0.4581	12.8
27 GPIF	367,309	367,309			3,156,781	2,992,525			0.0116	0.0123	(0.0007)	(5.7)
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									4.050	3.593	0.457	12.7

*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 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)	481,174,355	461,627,642	19,546,713	4.2	14,888,166	15,116,930	(228,764)	(1.5)	3.2319	3.0537	0.1782	5.8
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	5,711,972	5,588,279	123,693	2.2	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	486,886,328	467,215,921	19,670,406	4.2	14,888,166	15,116,930	(228,764)	(1.5)	3.2703	3.0907	0.1796	5.8
5 ENERGY COST OF PURCHASED POWER - FIRM (SCH A7)	33,601,136	4,506,677	29,094,459	645.6	556,289	113,226	443,063	391.3	6.0402	3.9802	2.0600	51.8
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)	8,015,007	673,431	7,341,576	1,090.2	148,006	17,255	130,751	757.8	5.4153	3.9029	1.5124	38.8
8 PAYMENTS TO QUALIFYING FACILITIES (SCH A8)	38,564,654	42,270,183	(3,705,529)	(8.8)	989,854	1,148,337	(158,483)	(13.8)	3.8960	3.6810	0.2150	5.8
9 TOTAL COST OF PURCHASED POWER	80,180,798	47,450,291	32,730,506	69.0	1,694,149	1,278,818	415,331	32.5	4.7328	3.7105	1.0223	27.6
10 TOTAL AVAILABLE MWH					16,582,315	16,395,749	186,566	1.1				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(2,089,938)	(3,231,698)	1,141,760	(35.3)	(104,385)	(95,264)	(9,121)	9.6	2.0021	3.3924	(1.3903)	(41.0)
11a GAIN ON OTHER POWER SALES - 100% (SCH A6)	(565,502)	(819,462)	253,960	(31.0)	(104,385)	(95,264)	(9,121)	9.6	0.5417	0.8602	(0.3185)	(37.0)
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	(21,287,402)	(12,070,721)	(9,216,681)	76.4	(769,043)	(578,057)	(190,986)	33.0	2.7680	2.0882	0.6798	32.6
13 TOTAL FUEL COST AND GAINS ON POWER SALES	(23,942,842)	(16,121,881)	(7,820,960)	48.5	(873,428)	(673,321)	(200,107)	29.7	2.7412	2.3944	0.3468	14.5
14 NET INADVERTENT AND WHEELED INTERCHANGE					90,436	0	90,436					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	543,124,283	498,544,331	44,579,952	8.9	15,799,323	15,722,427	76,896	0.5	3.4376	3.1709	0.2667	8.4
16 NET UNBILLED	4,475,060	16,751,747	(12,276,687)	(73.3)	(112,616)	(587,414)	474,798	(80.8)	0.0305	0.1187	(0.0882)	(74.3)
17 COMPANY USE	2,451,501	2,400,811	50,690	2.1	(69,941)	(75,196)	5,255	(7.0)	0.0167	0.0170	(0.0003)	(1.8)
18 T & D LOSSES	32,787,707	29,908,757	2,878,950	9.6	(967,408)	(943,213)	(24,195)	2.6	0.2238	0.2119	0.0119	5.6
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	543,124,283	498,544,331	44,579,952	8.9	14,649,358	14,116,605	532,754	3.8	3.7075	3.5316	0.1759	5.0
20 WHOLESALE KWH SALES (EXCLUDING STRATIFIED SALES)	(729,709)	(174,207)	(555,503)	318.9	(19,792)	(4,760)	(15,032)	315.8	3.6868	3.6598	0.0270	0.7
21 JURISDICTIONAL KWH SALES	542,394,574	498,370,124	44,024,449	8.8	14,629,566	14,111,845	517,721	3.7	3.7075	3.5316	0.1759	5.0
22 JURISDICTIONAL KWH SALES ADJUSTED FOR LINE LOSS - 1.00031	542,549,283	498,524,619	44,024,664	8.8	14,629,566	14,111,845	517,721	3.7	3.7086	3.5327	0.1759	5.0
23 PRIOR PERIOD TRUE-UP	(25,451,427)	(25,451,425)	(2)	0.0	14,629,566	14,111,845	517,721	3.7	(0.1740)	(0.1804)	0.0064	(3.6)
24 TOTAL JURISDICTIONAL FUEL COST	517,097,856	473,073,194	44,024,662	9.3	14,629,566	14,111,845	517,721	3.7	3.5346	3.3523	0.1823	5.4
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									3.5371	3.3547	0.1824	5.4
27 GPIF	1,836,547	1,836,545			14,629,566	14,111,845			0.0126	0.0130	(0.0004)	103.2
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									3.550	3.368	0.182	5.4

*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
MAY 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	\$116,809,348	103,801,885	\$13,007,463	12.5	\$481,174,355	\$461,627,642	\$19,546,713	4.2
1a. COAL CAR SALE	0	0	0	0.0	0	0	0	0.0
2 . FUEL COST OF POWER SOLD	(448,330)	(544,153)	95,823	(17.6)	(2,089,938)	(3,231,698)	1,141,760	(35.3)
2a. GAIN ON POWER SALES	(87,679)	(137,981)	50,302	(36.5)	(565,502)	(819,462)	253,960	(31.0)
3 . FUEL COST OF PURCHASED POWER	10,846,159	2,326,315	8,519,844	366.2	33,601,136	4,506,677	29,094,459	645.6
3a. ENERGY PAYMENTS TO QUALIFYING FACILITIES	8,508,302	9,269,427	(761,125)	(8.2)	38,564,654	42,270,183	(3,705,529)	(8.8)
4 . ENERGY COST OF ECONOMY PURCHASES	4,071,775	194,346	3,877,429	1,995.1	8,015,007	673,431	7,341,576	1,090.2
5 . TOTAL FUEL & NET POWER TRANSACTIONS	139,699,576	114,909,839	24,789,737	21.6	558,699,713	505,026,773	53,672,940	10.6
6 . ADJUSTMENTS TO FUEL COST:								
6a. FUEL COST OF STRATIFIED SALES	(8,266,447)	(3,811,913)	(4,454,534)	116.9	(21,287,402)	(12,070,721)	(9,216,681)	76.4
6b. OTHER- JURISDICTIONAL ADJUSTMENTS (see detail below)	1,102,029	1,110,845	(8,816)	(0.8)	5,711,972	5,588,279	123,693	2.2
6c. OTHER - PRIOR PERIOD ADJUSTMENT	0	0	0	0.0	0	0	0	0.0
7 . ADJUSTED TOTAL FUEL & NET PWR TRNS	\$132,535,158	\$112,208,771	\$20,326,387	18.1	\$543,124,283	\$498,544,331	\$44,579,952	8.9

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
UNIVERSITY OF FLORIDA STEAM REVENUE ALLOCATION (Wholesale Portion)	60	0	60	700	0	0	700
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)	0	0	0	0	0	0	0
FPD AGREEMENT TERMINATION	1,101,969	0	1,101,969	5,549,875	0	5,549,875	
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	0	0	0	161,397	0	161,397	
2019 ADJUSTMENT: GAIN ON TOTAL POWER SALES - 20% (SCH A6) **	0	0	0	0	0	0	0
Derivative Collateral Interest	0	0	0	0	0	0	0
SUBTOTAL LINE 6b SHOWN ABOVE	\$1,102,029	\$0	\$1,102,029	\$5,711,972	\$0	\$5,711,972	

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

B. KWH SALES

1 . JURISDICTIONAL SALES	3,156,780,985	2,992,525,486	164,255,499	5.5	14,629,565,496	14,111,844,573	517,720,923	3.7
2 . NON JURISDICTIONAL (WHOLESALE) SALES	1,780,041	1,975,200	(195,159)	(9.9)	19,792,415	4,760,000	15,032,415	315.8
3 . TOTAL SALES	3,158,561,026	2,994,500,686	164,060,340	5.5	14,649,357,911	14,116,604,573	532,753,338	3.8
4 . JURISDICTIONAL SALES % OF TOTAL SALES	99.94	99.93	0.01	0.0	99.86	99.97	(0.11)	(0.1)

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

	CURRENT MONTH				YEAR TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT
C. TRUE UP CALCULATION								
1. JURISDICTIONAL FUEL REVENUE	\$96,745,142	\$92,402,508	\$4,342,634	4.7	\$444,553,669	\$435,742,263	\$8,811,406	2.0
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	25,451,427	25,451,425	2	0.0
2b. INCENTIVE PROVISION	(367,309)	(367,309)	(0)	0.0	(1,836,547)	(1,836,545)	(2)	0.0
3. TOTAL JURISDICTIONAL FUEL REVENUE	101,468,118	97,125,484	4,342,634	4.5	468,168,549	459,357,143	8,811,406	1.9
4. ADJ TOTAL FUEL & NET PWR TRNS (LINE A7)	132,535,158	112,208,771	20,326,387	18.1	543,124,283	498,544,331	44,579,952	8.9
5. JURISDICTIONAL SALES % OF TOT SALES (LINE B4)	99.94	99.93	0.01	0.0	99.86	99.97	(0.11)	(0.1)
6. JURISDICTIONAL FUEL & NET POWER TRANSACTIONS (LINE C4 * LINE C5 * 1.00031 LOSS MULTIPLIER)	132,492,725	112,164,985	20,327,740	18.1	542,549,283	498,524,619	44,024,664	8.8
7. TRUE UP PROVISION FOR THE MONTH OVER/(UNDER) COLLECTION (LINE C3 - C6)	(31,024,607)	(15,039,502)	(15,985,106)	106.3	(74,380,734)	(39,167,476)	(35,213,258)	89.9
8. INTEREST PROVISION FOR THE MONTH (LINE D10)	(3,010)	526	(3,536)	(672.2)	(4,822)	13,434	(18,256)	(135.9)
9. TRUE UP & INTEREST PROVISION BEG OF MONTH/PERIOD	(42,139,494)	16,607,217	(58,746,711)	(353.7)	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	(25,451,427)	(25,451,425)	(2)	0.0
11. END OF PERIOD TOTAL NET TRUE UP (LINES C7 + C8 + C9 + C10)	(78,257,396)	(3,522,044)	(74,735,352)	2,121.9	(78,257,396)	(3,522,044)	(74,735,352)	2,121.9
12. OTHER:	0				0		0	
13. END OF PERIOD TOTAL NET TRUE UP (LINES C11 + C12)	(\$78,257,396)	(3,522,044)	(74,735,352)	2,121.9	(\$78,257,396)	(3,522,044)	(74,735,352)	2,121.9
D. INTEREST PROVISION								
1. BEGINNING TRUE UP (LINE C9)	(\$42,139,494)	N/A	--	--				
2. ENDING TRUE UP (LINES C7 + C9 + C10 + C12)	(78,254,386)	N/A	--	--				
3. TOTAL OF BEGINNING & ENDING TRUE UP	(120,393,880)	N/A	--	--				
4. AVERAGE TRUE UP (50% OF LINE D3)	(60,196,940)	N/A	--	--				
5. INTEREST RATE - FIRST DAY OF REPORTING MONTH	0.070	N/A	--	--				
6. INTEREST RATE - FIRST DAY OF SUBSEQUENT MONTH	0.040	N/A	--	--				
7. TOTAL (LINE D5 + LINE D6)	0.110	N/A	--	--				
8. AVERAGE INTEREST RATE (50% OF LINE D7)	0.055	N/A	--	--				
9. MONTHLY AVERAGE INTEREST RATE (LINE D8/12)	0.005	N/A	--	--				
10. INTEREST PROVISION (LINE D4 * LINE D9)	(\$3,010)	N/A	--	--				

A-3 Generating System Comparative Data Report

Report Period : 5/1/2021 to 5/1/2021

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	2,327,880	934,006	1,393,874	149.2 %
3 - COAL	19,920,683	16,121,450	3,799,233	23.6 %
4 - GAS	94,560,786	86,746,429	7,814,357	9.0 %
5 - NUCLEAR	0	0	0	0.0 %
6	0	0	0	0.0 %
7	0	0	0	0.0 %
8 - TOTAL (\$)	116,809,348	103,801,885	13,007,463	12.5 %
SYSTEM NET GENERATION (MWH)				
9 - HEAVY OIL	0	0	0	0.0 %
10 - LIGHT OIL	5,598	3,077	2,521	81.9 %
11 - COAL	640,772	559,475	81,297	14.5 %
12 - GAS	2,808,850	2,982,733	(173,883)	(5.8 %)
13 - NUCLEAR	0	0	0	0.0 %
14 - SOLAR	112,135	137,599	(25,464)	(18.5 %)
15	0	0	0	0.0 %
16 - TOTAL (MWH)	3,567,355	3,682,884	(115,529)	(3.1 %)
UNITS OF FUEL BURNED				
17 - HEAVY OIL (BBL)	0	0	0	0.0 %
18 - LIGHT OIL (BBL)	19,082	8,256	10,826	131.1 %
19 - COAL (TON)	298,173	253,295	44,878	17.7 %
20 - GAS (MCF)	20,822,673	21,297,765	(475,092)	(2.2 %)
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	109,512	48,092	61,420	127.7 %
26 - COAL	6,627,193	5,885,944	741,249	12.6 %
27 - GAS	21,342,629	21,297,765	44,864	0.2 %
28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (MILLION BTU)	28,079,334	27,231,801	847,533	3.1 %
GENERATION MIX (% MWH)				
32 - HEAVY OIL	0.0	0.00	0.0	0.0 %
33 - LIGHT OIL	0.2	0.08	0.1	87.8 %
34 - COAL	18.0	15.19	2.8	18.2 %
35 - GAS	78.7	80.99	(2.3)	(2.8 %)
36 - NUCLEAR	0.0	0.00	0.0	0.0 %
37 - SOLAR	3.1	3.74	(0.6)	(15.9 %)
38	0	0	0	0
39 - TOTAL (% MWH)	100.0	100.0	0.0	0.0 %
FUEL COST PER UNIT (\$)				
40 - HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.0 %
41 - LIGHT OIL (\$/BBL)	121.99	113.13	8.86	7.8 %

A-3 Generating System Comparative Data Report

Report Period : 5/1/2021 to 5/1/2021

Duke Energy Florida, LLC

42 - COAL (\$/TON)	66.81	63.65	3.16	5.0 %
43 - GAS (\$/MCF)	4.54	4.07	0.47	11.5 %
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	21.26	19.42	1.84	9.5 %
49 - COAL	3.01	2.74	0.27	9.7 %
50 - GAS	4.43	4.07	0.36	8.8 %
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)	4.16	3.81	0.35	9.1 %
BTU BURNED PER KWH (BTU/KWH)				
55 - HEAVY OIL	0	0	0	0.0 %
56 - LIGHT OIL	19,562	15,630	3,932	25.2 %
57 - COAL	10,343	10,520	(178)	(1.7 %)
58 - GAS	7,598	7,140	458	6.4 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %
62 - SYSTEM (BTU/KWH)	7,871	7,394	477	6.5 %
GENERATED FUEL COST PER KWH (CENTS/KWH)				
63 - HEAVY OIL	0.00	0.00	0.00	0.0 %
64 - LIGHT OIL	41.58	30.35	11.23	37.0 %
65 - COAL	3.11	2.88	0.23	7.9 %
66 - GAS	3.37	2.91	0.46	15.8 %
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)	3.27	2.82	0.46	16.2 %

A-3 Generating System Comparative Data Report

Report Period : 1/1/2021 to 5/1/2021

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	12,617,614	4,249,350	8,368,264	196.9 %
3 - COAL	74,362,480	78,836,261	(4,473,781)	(5.7 %)
4 - GAS	394,194,262	378,542,031	15,652,231	4.1 %
5 - NUCLEAR	0	0	0	0.0 %
6	0	0	0	0.0 %
7	0	0	0	0.0 %
8 - TOTAL (\$)	481,174,355	461,627,642	19,546,713	4.2 %
SYSTEM NET GENERATION (MWH)				
9 - HEAVY OIL	0	0	0	0.0 %
10 - LIGHT OIL	37,456	15,620	21,836	139.8 %
11 - COAL	2,281,677	2,691,531	(409,854)	(15.2 %)
12 - GAS	12,176,910	11,860,163	316,747	2.7 %
13 - NUCLEAR	0	0	0	0.0 %
14 - SOLAR	392,124	549,617	(157,493)	(28.7 %)
15	0	0	0	0.0 %
16 - TOTAL (MWH)	14,888,166	15,116,931	(228,765)	(1.5 %)
UNITS OF FUEL BURNED				
17 - HEAVY OIL (BBL)	0	0	0	0.0 %
18 - LIGHT OIL (BBL)	111,503	36,599	74,904	204.7 %
19 - COAL (TON)	1,053,682	1,186,266	(132,584)	(11.2 %)
20 - GAS (MCF)	89,244,865	82,731,913	6,512,952	7.9 %
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	639,771	213,210	426,561	200.1 %
26 - COAL	23,405,801	27,755,130	(4,349,329)	(15.7 %)
27 - GAS	91,474,771	82,731,913	8,742,858	10.6 %
28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (MILLION BTU)	115,520,343	110,700,253	4,820,090	4.4 %
GENERATION MIX (% MWH)				
32 - HEAVY OIL	0.0	0.00	0.0	0.0 %
33 - LIGHT OIL	0.3	0.10	0.1	143.5 %
34 - COAL	15.3	17.80	(2.5)	(13.9 %)
35 - GAS	81.8	78.46	3.3	4.2 %
36 - NUCLEAR	0.0	0.00	0.0	0.0 %
37 - SOLAR	2.6	3.64	(1.0)	(27.6 %)
38	0	0	0	0
39 - TOTAL (% MWH)	100.0	100.0	0.0	0.0 %
FUEL COST PER UNIT (\$)				
40 - HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.0 %
41 - LIGHT OIL (\$/BBL)	113.16	116.11	(2.95)	(2.5 %)

A-3 Generating System Comparative Data Report

Report Period : 1/1/2021 to 5/1/2021

Duke Energy Florida, LLC

42 - COAL (\$/TON)	70.57	66.46	4.12	6.2 %
43 - GAS (\$/MCF)	4.42	4.58	(0.16)	(3.5 %)
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	19.72	19.93	(0.21)	(1.0 %)
49 - COAL	3.18	2.84	0.34	11.9 %
50 - GAS	4.31	4.58	(0.27)	(5.8 %)
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	4.17	(0.00)	(0.1 %)
BTU BURNED PER KWH (BTU/KWH)				
55 - HEAVY OIL	0	0	0	0.0 %
56 - LIGHT OIL	17,081	13,650	3,431	25.1 %
57 - COAL	10,258	10,312	(54)	(0.5 %)
58 - GAS	7,512	6,976	537	7.7 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %
62 - SYSTEM (BTU/KWH)	7,759	7,323	436	6.0 %
GENERATED FUEL COST PER KWH (CENTS/KWH)				
63 - HEAVY OIL	0.00	0.00	0.00	0.0 %
64 - LIGHT OIL	33.69	27.20	6.48	23.8 %
65 - COAL	3.26	2.93	0.33	11.3 %
66 - GAS	3.24	3.19	0.05	1.4 %
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)	3.23	3.05	0.18	5.8 %

A-4 System Net Generation and Fuel Cost Report

Report Period : 5/1/2021 to 5/1/2021

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	21,055.00	38			0				0	0	0.000	
Debary Solar 1													
TOTAL DSF 1	74	14,653.00	27			0				0	0	0.000	
Hamilton Solar Facility													
TOTAL HSF 1	75	18,492.00	33			0				0	0	0.000	
Lake Placid Solar Facility													
TOTAL LKP 1	45	11,550.00	34			0				0	0	0.000	
Osceola Solar Facility 1													
TOTAL UNIT 1	4	481.00	16			0				0	0	0.000	
Perry Solar Facility 1													
TOTAL UNIT 1	5	541.00	15			0				0	0	0.000	
Santa Fe Solar Facility													
TOTAL Unit 1	75	20,296.00	36			0				0	0	0.000	
Suwanee Solar Facility													
TOTAL UNIT 1	9	1,846.00	28			0				0	0	0.000	
Trenton Solar Facility													
TOTAL TRN 1	75	21,197.00	38			0				0	0	0.000	
Twin Rivers Solar Facility													
TOTAL Unit 1	75	1,994.00	4			0				0	0	0.000	
St. Pete Pier	0.35	29.52	11			0				0	0	0.000	
TOTAL Solar	512	112,134.52				0				0	0	0.000	
Steam													
Anclote													
		106,447.00					Gas	1,200,050	1.025	1,230,051	5,913,002	5.555	4.927
TOTAL UNIT 1	521	106,447.00	27			11,556				1,230,051	5,913,002	5.555	
		71,075.00					Gas	798,280	1.025	818,237	3,933,362	5.534	4.927
TOTAL UNIT 2	514	71,075.00	19			11,512				818,237	3,933,362	5.534	
Crystal River 4 & 5													
		319,517.00					Coal	147,284	22.226	3,273,534	9,839,918	3.080	66.809
		0.00					No 2	2,641	5.717	15,098	419,757	0.000	158.939
TOTAL UNIT 4	721	319,517.00	60			10,293				3,288,633	10,259,675	3.211	
		321,255.00					Coal	150,889	22.226	3,353,659	10,080,765	3.138	66.809
		0.00					No 2	2,650	5.717	15,150	421,188	0.000	158.939
TOTAL UNIT 5	721	321,255.00	60			10,486				3,368,809	10,501,952	3.269	
TOTAL Steam	2,477	818,294.00				10,639				8,705,730	30,607,992	4.000	
Gas Turbine													
Bartow Combined Cycle													
		509,059.00					Gas	3,712,665	1.024	3,801,769	15,367,230	3.019	4.139
TOTAL BCC	1,259	509,059.00	54			7,468				3,801,769	15,367,230	3.019	
Bartow Peaker													
		487.89					No 2	1,313	5.712	7,500	136,537	27.985	103.988
		3,283.11					Gas	49,237	1.025	50,468	242,354	7.382	4.922
TOTAL BAP	223	3,771.00	2			15,372				57,968	378,890	10.047	
Bayboro Peaker													

A-4 System Net Generation and Fuel Cost Report

Report Period : 5/1/2021 to 5/1/2021

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	171	618.00	0			14,058	No 2	1,521	5.712	8,688	184,348	29.830	121.202
Citrus County		618.00								8,688	184,348	29.830	
TOTAL CCCC	1,884	923,747.00	66			6,867	Gas	6,179,804	1.026	6,343,081	31,016,616	3.358	5.019
Debary Peaker		923,747.00								6,343,081	31,016,616	3.358	
TOTAL DEP	707	2,515.27 15,691.73 18,207.00	3			14,215	No 2 Gas	6,199 217,193	5.768 1.027	35,754 223,057 258,812	707,789 1,074,694 1,782,484	28.140 6.849 9.790	114.178 4.948
Hines Energy		2,515.27 15,691.73 18,207.00											
TOTAL HEP	1,095	643,263.00	79			7,181	Gas	4,511,071	1.024	4,619,337	19,647,387	3.054	4.355
Intercession City Peaker		643,263.00								4,619,337	19,647,387	3.054	
TOTAL ICP	1,198	1,430.38 34,151.88 35,582.00	4			13,541	No 2 Gas	3,391 450,745	5.712 1.026	19,369 462,464 481,834	332,541 1,865,373 2,197,914	23.248 5.462 6.177	98.066 4.138
Osprey		1,430.38 34,151.88 35,582.00											
TOTAL OSP	569	315,440.00	75			7,229	Gas	2,225,695	1.025	2,280,380	9,190,030	2.913	4.129
Suwannee Peaker		315,440.00								2,280,380	9,190,030	2.913	
TOTAL SRP	203	547.41 4,131.69 4,679.00	3			14,526	No 2 Gas	1,367 58,554	5.817 1.025	7,952 60,018 67,970	125,720 288,495 414,215	22.966 6.983 8.852	91.968 4.927
Tiger Bay Cogen		547.41 4,131.69 4,679.00											
TOTAL TBP	224	147,655.00	89			7,599	Gas	1,095,718	1.024	1,122,015	4,522,833	3.063	4.128
Univ of Florida Cogen		147,655.00								1,122,015	4,522,833	3.063	
TOTAL UFP	50	0.00 34,905.20 34,905.00	94			9,504	No 2 Gas	0 323,661	0.000 1.025	0 331,752 331,752	0 1,499,409 1,499,409	0.000 4.296 4.296	0.000 4.633
TOTAL Gas Turbine	7,583	2,636,927.00				7,347				19,373,604	86,201,356	3.269	
SYSTEM TOTAL	10,572	3,567,355.08				7,871				28,079,334	116,809,348	3.274	

A-4 System Net Generation and Fuel Cost Report

Report Period : 1/1/2021 to 5/1/2021

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	74,463.00	27			0				0	0	0.000	
Debary Solar 1													
TOTAL DSF 1	74	59,718.00	22			0				0	0	0.000	
Hamilton Solar Facility													
TOTAL HSF 1	75	68,762.00	25			0				0	0	0.000	
Lake Placid Solar Facility													
TOTAL LKP 1	45	45,893.00	28			0				0	0	0.000	
Osceola Solar Facility 1													
TOTAL UNIT 1	4	2,662.00	18			0				0	0	0.000	
Perry Solar Facility 1													
TOTAL UNIT 1	5	2,994.00	17			0				0	0	0.000	
Santa Fe Solar Facility													
TOTAL Unit 1	75	52,242.00	19			0				0	0	0.000	
Suwanee Solar Facility													
TOTAL UNIT 1	9	7,272.00	22			0				0	0	0.000	
Trenton Solar Facility													
TOTAL TRN 1	75	75,250.00	28			0				0	0	0.000	
Twin Rivers Solar Facility													
TOTAL Unit 1	75	2,681.00	1			0				0	0	0.000	
St. Pete Pier	0.35	186.84	15			0				0	0	0.000	
TOTAL Solar	512	392,123.84				0				0	0	0.000	
Steam													
Anclote													
		167,700.00					Gas	1,884,627	1.025	1,932,661	9,368,361	5.586	4.971
TOTAL UNIT 1	521	167,700.00	9			11,525				1,932,661	9,368,361	5.586	
		349,297.00					Gas	3,962,389	1.027	4,068,858	20,035,526	5.736	5.056
TOTAL UNIT 2	514	349,297.00	19			11,649				4,068,858	20,035,526	5.736	
Crystal River 4 & 5													
		697,065.00					Coal	326,064	22.166	7,227,473	22,408,548	3.215	68.724
		0.00					No 2	9,051	5.720	51,774	1,187,021	0.000	131.148
TOTAL UNIT 4	721	697,065.00	27			10,443				7,279,248	23,595,570	3.385	
		1,584,612.00					Coal	727,618	22.235	16,178,328	51,953,931	3.279	71.403
		0.00					No 2	11,096	5.719	63,460	1,610,926	0.000	145.181
TOTAL UNIT 5	721	1,584,612.00	61			10,250				16,241,788	53,564,857	3.380	
TOTAL Steam	2,477	2,798,674.00				10,549				29,522,554	106,564,314	4.000	
Gas Turbine													
Bartow Combined Cycle													
		2,398,450.00					Gas	17,863,589	1.022	18,251,903	71,599,403	2.985	4.008
TOTAL BCC	1,259	2,398,450.00	53			7,610				18,251,903	71,599,403	2.985	
Bartow Peaker													
		5,389.68					No 2	13,904	5.712	79,420	1,446,488	26.838	104.034
		7,508.32					Gas	107,927	1.025	110,639	544,293	7.249	5.043
TOTAL BAP	223	12,898.00	2			14,735				190,058	1,990,781	15.435	
Bayboro Peaker													

A-4 System Net Generation and Fuel Cost Report

Report Period : 1/1/2021 to 5/1/2021

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	238	1,034.00	0			17,108	No 2	3,097	5.712	17,690	416,723	40.302	134.557
Citrus County													
TOTAL CCCC	1,884	3,895,611.00	57			6,801	Gas	25,756,791	1.029	26,493,378	126,796,205	3.255	4.923
Debary Peaker													
TOTAL DEP	707	17,261.79 51,617.21 68,879.00	3			13,903	No 2 Gas	41,608 698,693	5.768 1.027	239,986 717,619 957,605	4,750,718 3,561,400 8,312,118	27.522 6.900 12.068	114.178 5.097
Hines Energy													
TOTAL HEP	2,167	3,793,717.00	48			7,227	Gas	26,784,458	1.024	27,418,614	112,520,521	2.966	4.201
Intercession City Peaker													
TOTAL ICP	1,198	12,240.21 129,347.19 141,587.00	3			13,544	No 2 Gas	29,024 1,706,181	5.712 1.027	165,785 1,751,919 1,917,704	2,863,342 6,943,469 9,806,811	23.393 5.368 6.926	98.654 4.070
Osprey													
TOTAL OSP	569	869,289.00	42			7,239	Gas	6,151,752	1.023	6,292,385	24,144,670	2.778	3.925
Suwannee Peaker													
TOTAL SRP	203	1,529.32 16,401.98 17,931.00	2			14,161	No 2 Gas	3,723 225,811	5.817 1.029	21,657 232,268 253,925	342,395 1,157,421 1,499,816	22.389 7.057 8.364	91.968 5.126
Tiger Bay Cogen													
TOTAL TBP	224	356,453.00	44			7,728	Gas	2,690,645	1.024	2,754,677	10,926,498	3.065	4.061
Univ of Florida Cogen													
TOTAL UFP	50	0.00 141,518.50 141,518.00	78			10,245	No 2 Gas	0 1,412,002	0.000 1.027	0 1,449,849 1,449,849	0 6,596,495 6,596,495	0.000 4.661 4.661	0.000 4.672
TOTAL Gas Turbine	8,722	11,697,368.00				7,352				85,997,789	374,601,032	3.202	
SYSTEM TOTAL	11,711	14,888,166.04				7,759				115,520,343	481,174,355	3.232	

A-5 System Generation Fuel Cost Report

Report Period : 5/1/2021 to 5/1/2021

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)	18,847	8,256	10,591	128.3%
20 - UNIT COST (\$/BBL)	122.72	113.13	9.59	8.5%
21 - AMOUNT (\$)	2,312,897	934,006	1,378,891	147.6%
22 - BURNED				
23 - UNITS (BBL)	19,082	8,256	10,826	131.1%
24 - UNIT COST (\$/BBL)	121.99	113.13	8.86	7.8%
25 - AMOUNT (\$)	2,327,880	934,006	1,393,874	149.2%
26 - ADJUSTMENTS				
27 - UNITS (BBL)	0			
28 - AMOUNT (\$)	0			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	449,606	586,874	(137,268)	(23.4%)
31 - UNIT COST (\$/BBL)	109.98	108.36	1.63	1.5%
32 - AMOUNT (\$)	49,449,672	63,592,212	(14,142,540)	(22.2%)
33 -				
34 - DAYS SUPPLY	733	2,133	(1,400)	(65.6%)

A-5 System Generation Fuel Cost Report

Report Period : 5/1/2021 to 5/1/2021

Duke Energy Florida, LLC

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	247,397	253,295	(5,898)	(2.3%)
37 - UNIT COST (\$/TON)	59.73	63.65	(3.91)	(6.1%)
38 - AMOUNT (\$)	14,778,153	16,121,450	(1,343,297)	(8.3%)
39 - BURNED				
40 - UNITS (TON)	298,173	253,295	44,878	17.7%
41 - UNIT COST (\$/TON)	66.81	63.65	3.16	5.0%
42 - AMOUNT (\$)	19,920,683	16,121,450	3,799,233	23.6%
43 - ADJUSTMENTS				
44 - UNITS (TON)	0			
45 - AMOUNT (\$)	0			
46 - ENDING INVENTORY				
47 - UNITS (TON)	462,981	520,729	(57,748)	(11.1%)
48 - UNIT COST (\$/TON)	66.81	86.03	(19.22)	(22.3%)
49 - AMOUNT (\$)	30,931,335	44,798,943	(13,867,608)	(31.0%)
50 -				
51 - DAYS SUPPLY	48	62	(14)	(22.0%)
GAS				
52 - BURNED				
53 - UNITS (MCF)	20,822,673	21,297,765	(475,092)	(2.2%)
54 - UNIT COST (\$/MCF)	4.54	4.07	0.47	11.5%
55 - AMOUNT (\$)	94,560,786	86,746,429	7,814,357	9.0%
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 : 1/1/2021 to 5/1/2021

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)	27,898	36,599	(8,701)	(23.8%)
20 - UNIT COST (\$/BBL)	150.00	116.11	33.89	29.2%
21 - AMOUNT (\$)	4,184,647	4,249,350	(64,703)	(1.5%)
22 - BURNED				
23 - UNITS (BBL)	111,503	36,599	74,904	204.7%
24 - UNIT COST (\$/BBL)	113.16	116.11	(2.95)	(2.5%)
25 - AMOUNT (\$)	12,617,614	4,249,350	8,368,264	196.9%
26 - ADJUSTMENTS				
27 - UNITS (BBL)	0			
28 - AMOUNT (\$)	0			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	449,606	586,874	(137,268)	(23.4%)
31 - UNIT COST (\$/BBL)	109.98	108.36	1.63	1.5%
32 - AMOUNT (\$)	49,449,672	63,592,212	(14,142,540)	(22.2%)
33 -				
34 - DAYS SUPPLY	0	0	0	0.0%

A-5 System Generation Fuel Cost Report

Report Period : 1/1/2021 to 5/1/2021

Duke Energy Florida, LLC

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	962,526	1,186,266	(223,740)	(18.9%)
37 - UNIT COST (\$/TON)	67.78	66.46	1.32	2.0%
38 - AMOUNT (\$)	65,235,290	78,836,261	(13,600,971)	(17.3%)
39 - BURNED				
40 - UNITS (TON)	1,053,682	1,186,266	(132,584)	(11.2%)
41 - UNIT COST (\$/TON)	70.57	66.46	4.12	6.2%
42 - AMOUNT (\$)	74,362,480	78,836,261	(4,473,781)	(5.7%)
43 - ADJUSTMENTS				
44 - UNITS (TON)	0			
45 - AMOUNT (\$)	0			
46 - ENDING INVENTORY				
47 - UNITS (TON)	462,981	520,729	(57,748)	(11.1%)
48 - UNIT COST (\$/TON)	66.81	86.03	(19.22)	(22.3%)
49 - AMOUNT (\$)	30,931,335	44,798,943	(13,867,608)	(31.0%)
50 -				
51 - DAYS SUPPLY	0	0	0	0.0%
GAS				
52 - BURNED				
53 - UNITS (MCF)	89,244,865	82,731,913	6,512,952	7.9%
54 - UNIT COST (\$/MCF)	4.42	4.58	(0.16)	(3.5%)
55 - AMOUNT (\$)	394,194,262	378,542,031	15,652,231	4.1%
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%

Duke Energy Florida, LLC
Schedule A6
Power Sold for the Month of
May 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		15,079		15,079	3.609	4.524	544,153.00	682,134	137,981.00
ACTUAL									
Reedy Creek Improvement District	CR-1	6,590		6,590	1.797	2.146	118,439.80	141,446.65	23,006.85
The Energy Authority	Schedule OS	18,225		18,225	1.810	2.156	329,889.95	392,925.15	63,035.20
Adjustments									
Reedy Creek Improvement District									
Tallahassee (City of)									(0.10)
PJM									1,730.98
									(93.77)
Subtotal - Gain on Other Power Sales		24,815	-	24,815	1.807	2.160	448,329.75	536,008.91	87,679.16
CURRENT MONTH TOTAL		24,815		24,815	1.807	2.160	448,329.75	536,008.91	87,679.16
DIFFERENCE		9,736		9,736	(1.802)	(2.364)	(95,823.25)	(146,125.09)	(50,301.84)
DIFFERENCE %		64.57		64.57	(49.93)	(52.25)	(17.61)	(21.42)	(36.46)
CUMULATIVE ACTUAL		104,385		104,385	2.002	2.544	2,089,938.04	2,655,439.88	565,501.84
CUMULATIVE ESTIMATED		95,264		95,264	3.392	4.253	3,231,698.00	4,051,160.00	819,462.00
DIFFERENCE		9,121		9,121	(1.390)	(1.709)	(1,141,759.96)	(1,395,720.12)	(253,960.16)
DIFFERENCE %		9.57		9.57	(40.98)	(40.18)	(35.33)	(34.45)	(30.99)

DUKE ENERGY FLORIDA, LLC
SCHEDULE A7

PURCHASED POWER
EXCLUSIVE OF ECONOMY PURCHASES
FOR THE MONTH OF:
MAY, 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 (000)	KWH FOR FIRM (000)	FUEL COST C/KWH	TOTAL COST C/KWH	TOTAL AMOUNT FOR FUEL ADJ \$	FUEL COST \$
ESTIMATED		54,945			54,945	4.234	4.234	2,326,315.00	2,326,315.00
ACTUAL									
Shady Hills Power Company, LLC	TOLL	38,439			38,439	6.133	6.133	2,357,556.74	2,357,556.74
Southern Power Company	Franklin	58,640			58,640	3.386	3.386	1,985,307.50	1,985,307.50
Vandolah Power Co. LLC (Northern Star)	TOLL	104,401			104,401	6.178	6.178	6,450,102.78	6,450,102.78
ADJUSTMENTS									
Shady Hills Power Company, LLC	TOLL	744			744	0.331	0.331	2,464.87	2,464.87
Southern Power Company	Franklin	-			-	-	-	(17,584.30)	(17,584.30)
Vandolah Power Co. LLC (Northern Star)	TOLL	1,447			1,447	4.721	4.721	68,311.48	68,311.48
CURRENT MONTH TOTAL		203,671			203,671	5.325	5.325	10,846,159.07	10,846,159.07
DIFFERENCE		148,727			148,727	1.091	1.091	8,519,844.07	8,519,844.07
DIFFERENCE %		271			271	25.777	25.777	366.24	366.24
CUMULATIVE ACTUAL		556,289			556,289	6.040	6.040	33,601,136.38	33,601,136.38
CUMULATIVE ESTIMATED		113,227			113,227	3.980	3.980	4,506,677.00	4,506,677.00
DIFFERENCE		443,063			443,063	2.060	2.060	29,094,459.38	29,094,459.38
DIFFERENCE %		391			391	51.756	51.756	645.59	645.59

DUKE ENERGY FLORIDA, LLC
SCHEDULE A8

ENERGY PAYMENT TO QUALIFYING FACILITIES
FOR THE MONTH OF:
MAY, 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		249,501	-	-	249,501	3.715	15.192	9,269,427.35
ACTUAL								
Citrus World (CITRUS) ADJ	CO-GEN	0 0			0 0	2.100	2.100	0.21 0.21
Lake County (LAKCOUNT) ADJ	CO-GEN	358 -			358 -	2.405	2.405	8,608.63 (312.92)
Lee County (LEECOGAS) ADJ	CO-GEN	20 970			20 970	3.101	3.101	620.24 -
Metro-Dade County (METRDDAS) ADJ	CO-GEN	79 -			79 -	2.036	2.036	1,608.23 -
Orange Cogen (ORANGEAS) ADJ	CO-GEN	593 -			593 -	2.208	2.208	13,096.37 386.79
Orange Cogen (ORANGECO) ADJ	CO-GEN	37,694 -			37,694 -	3.928	20.347	1,480,619.04 246.19
Orlando Cogen Limited (ORLACOGL) ADJ	CO-GEN	89,350 -			89,350 -	5.355	12.389	4,784,345.93 59,167.26
Pasco County Resource Recovery (PASCOUNT) ADJ	CO-GEN	18,112 -			18,112 -	2.466	15.042	446,647.19 (6,554.65)
PCS Phosphate (OCSWFCRK) ADJ	CO-GEN	77 72			77 72	2.220	2.220	1,704.80 1,597.58
Pinellas County Resource Recovery (PINCOUNT) ADJ	CO-GEN	38,157 -			38,157 -	2.395	16.659	913,837.20 4,951.03
Polk Power Partners, L.P. (MULBERRY) ADJ	CO-GEN	34,470 -			34,470 -	2.375	26.968	818,772.77 (21,040.03)
CURRENT MONTH TOTAL		219,951			219,951	3.868	16.887	8,508,302.06
DIFFERENCE		(29,550)			(29,550)	0.153	1.695	(761,125.29)
DIFFERENCE %		(11.84)			(11.84)	4.12	11.16	(8.21)
CUMULATIVE ACTUAL		989,853			989,853	3.896	18.360	38,564,654.32
CUMULATIVE ESTIMATED		1,148,337			1,148,337	3.681	16.149	42,270,183.19
CUMULATIVE DIFFERENCE		(158,484)			(158,484)	0.215	2.211	(3,705,528.87)
CUMULATIVE DIFFERENCE %		(13.80)			(13.80)	5.84	13.69	(8.77)

DUKE ENERGY FLORIDA, LLC
SCHEDULE A9

ECONOMY ENERGY PURCHASES
INCLUDING LONG TERM PURCHASES
FOR THE MONTH OF:
MAY, 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		4,544	4.277	194,346	4.799	218,045.00	23,699.00
ACTUAL:							
SubTotal - Energy Purchases (Broker)							
SEPA	Hydro	3,151	3.650	114,280.89	3.650	114,280.89	-
Dominion Energy South Carolina, Inc.		400	4.000	16,000.00	6.063	24,250.26	8,250.26
Duke Electric Transmission	Transmission Purchase	-	0.000	12,376.00	0.000	-	(12,376.00)
Exelon Generation Company, LLC	InternationalSwapsDe	8,797	4.375	384,839.00	10.952	963,470.23	578,631.23
Florida Power & Light Company T	Transmission Purchase	-	0.000	108,649.32	0.000	-	(108,649.32)
Florida Power & Light Company		8,725	14.590	1,273,000.00	15.094	1,316,989.44	43,989.44
Jacksonville Electric Authority	Transmission Purchase	-	0.000	38,114.06	0.000	-	(38,114.06)
Macquarie Energy LLC		2,211	4.400	97,295.00	5.135	113,545.17	16,250.17
Morgan Stanley Capital Group Inc.	EEl	1,020	4.900	49,980.00	5.069	51,708.40	1,728.40
Orlando Utilities Commission	Schedule OS	13,400	8.266	1,107,600.00	7.721	1,034,584.00	(73,016.00)
Rainbow Energy Marketing Corporation		1,656	4.125	68,310.00	5.203	86,164.44	17,854.44
Southern Company Services, Inc.	EEl	4,024	4.082	164,248.00	8.151	327,983.63	163,735.63
Southern Company Services, Inc. Transmission	Transmission Purchase	-	0.000	4,033.68	0.000	-	(4,033.68)
Tallahassee (City of)	Schedule OS	120	0.800	960.00	1.987	2,384.40	1,424.40
Tampa Electric Company	EEl2	1,900	3.963	75,300.00	4.566	86,746.00	11,446.00
The Energy Authority	EEl	5,508	10.109	556,810.00	12.118	667,443.47	110,633.47
ADJUSTMENTS							
Florida Power & Light Company				72.50			(72.50)
Jacksonville Electric Authority				0.09			(0.09)
Southern Company Services, Inc. Transmission				(0.58)			0.58
PJM				(92.49)			92.49
SubTotal - Energy Purchases (Non-Broker)							
		50,912	7.998	4,071,775.47	9.407	4,789,550.33	717,774.86
CURRENT MONTH TOTAL							
		50,912	7.998	4,071,775.47	9.407	4,789,550.33	717,774.86
DIFFERENCE							
		46,369	3.720	3,877,429.47	4.609	4,571,505.33	694,075.86
DIFFERENCE %							
		1,020	86.984	1,995.12	96.040	2,096.59	2,928.71
CUMULATIVE ACTUAL							
		148,006	5.415	8,015,006.80	6.493	9,609,882.51	1,594,875.71
CUMULATIVE ESTIMATED							
		17,254	3.903	673,431.00	4.379	755,533.00	82,102.00
DIFFERENCE							
		130,751	1.512	7,341,575.80	2.114	8,854,349.51	1,512,773.71
DIFFERENCE %							
		758	38.750	1,090.17	48.281	1,171.93	1,842.55

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 (ORANGECO)	QF	74.00	7/1/95 - 12/31/24	6,181,528	6,196,226	6,188,877	6,188,877	6,188,877								30,944,386
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	6,225,933								31,129,666
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	2,284,360								11,421,800
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	5,437,770								27,188,850
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	8,498,223								42,491,114
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	Other	425	6/1/16 - 5/31/21	4,832,347	4,988,816	2,913,671	2,914,969	3,198,304								18,848,107
8 Retail Wheeling				0	(19,418)	(4,147)	(1,634)	0								(25,200)
9 CR1&2 NBV				6,716,036	6,716,036	6,716,036	6,716,036	6,716,036								33,580,180
10 ISFSI Return				573,320	573,320	573,320	573,320	573,320								2,866,599
11 Vandolah Capacity Purchase			June 2012 - May 2027	3,033,279	2,968,686	2,017,074	1,998,157	2,873,617								12,890,813
12 Schedule H Capacity Sales - Tallahassee	1	-1	on-going no term date	(5,587)	0	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	1,916,460								8,651,340
14 RidgeGen Agreement Termination				670,785	667,189	656,848	657,880	654,349								3,307,051
15 Hamilton SoBRA True-Up				0	0	0	0	0								0
16 Columbia SoBRA True-Up				0	0	0	0	0								0
17 Lake Placid SoBRA True-Up				0	0	0	0	0								0
18 Trenton SoBRA True-Up				0	0	0	0	0								0
19 Debary SoBRA True-Up				0	0	0	0	0								0
20 State Corporate Income Tax Change				(232,776)	(232,776)	(232,776)	(232,776)	(232,776)								(1,163,880)
TOTAL				46,192,158	46,281,305	43,252,129	42,065,174	44,334,473	0	0	0	0	0	0	0	222,125,239