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October 20, 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 September 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 20th day of October, 2021.

s/ Matthew R. Bernier

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DUKE ENERGY FLORIDA
FUEL AND PURCHASED POWER

SEPTEMBER 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)	158,793,245	144,717,338	14,075,907	9.7	3,727,542	3,973,766	(246,224)	(6.2)	4.2600	3.6418	0.6182	17.0
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	107,024	1,093,015	(985,992)	(90.2)	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	158,900,269	145,810,353	13,089,916	9.0	3,727,542	3,973,766	(246,224)	(6.2)	4.2629	3.6693	0.5936	16.2
5 ENERGY COST OF PURCHASED POWER - FIRM (SCH A7)	15,835,079	3,333,771	12,501,308	375.0	221,126	49,473	171,653	347.0	7.1611	6.7386	0.4225	6.3
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)	8,320,941	611,091	7,709,850	1,261.7	148,141	11,347	136,793	1,205.5	5.6169	5.3854	0.2315	4.3
8 PAYMENTS TO QUALIFYING FACILITIES (SCH A8)	8,952,041	9,923,825	(971,784)	(9.8)	200,881	222,491	(21,609)	(9.7)	4.4564	4.4603	(0.0039)	(0.1)
9 TOTAL COST OF PURCHASED POWER	33,108,061	13,868,687	19,239,375	138.7	570,148	283,311	286,837	101.2	5.8069	4.8952	0.9117	18.6
10 TOTAL AVAILABLE MWH					4,297,690	4,257,077	40,613	1				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(286,533)	(144,520)	(142,013)	98.3	(8,815)	(4,155)	(4,660)	112.1	3.2505	3.4781	(0.2276)	(6.5)
11a GAIN ON OTHER POWER SALES - 100% (SCH A6)	(61,099)	(39,168)	(21,931)	56.0	(8,815)	(4,155)	(4,660)	112.1	0.6931	0.9426	(0.2495)	(26.5)
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	(14,569,623)	(10,156,633)	(4,412,990)	43.5	(363,143)	(284,920)	(78,223)	27.5	4.0121	3.5647	0.4474	12.6
13 TOTAL FUEL COST AND GAINS ON POWER SALES	(14,917,255)	(10,340,321)	(4,576,934)	44.3	(371,958)	(289,075)	(82,883)	28.7	4.0105	3.5770	0.4335	12.1
14 NET INADVERTENT AND WHEELED INTERCHANGE					19,656	0	19,656					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	177,091,076	149,338,719	27,752,356	18.6	3,945,388	3,968,002	(22,614)	(0.6)	4.4886	3.7636	0.7250	19.3
16 NET UNBILLED	(24,625,714)	(5,144,478)	(19,481,236)	378.7	548,633	136,691	411,942	301.4	(0.5868)	(0.1324)	(0.4544)	343.2
17 COMPANY USE	767,996	448,323	319,673	71.3	(17,110)	(11,912)	(5,198)	43.6	0.0183	0.0115	0.0068	59.1
18 T & D LOSSES	12,585,245	7,846,499	4,738,746	60.4	(280,385)	(208,485)	(71,900)	34.5	0.2999	0.2020	0.0979	48.5
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	177,091,076	149,338,719	27,752,356	18.6	4,196,526	3,884,296	312,230	8.0	4.2199	3.8447	0.3752	9.8
20 WHOLESALE KWH SALES (EXCLUDING STRATIFIED SALES)	(1,735,493)	(806,429)	(929,063)	115.2	(41,053)	(20,825)	(20,227)	97.1	4.2275	3.8723	0.3552	9.2
21 JURISDICTIONAL KWH SALES	175,355,583	148,532,290	26,823,293	18.1	4,155,474	3,863,471	292,003	7.6	4.2199	3.8445	0.3754	9.8
22 JURISDICTIONAL KWH SALES ADJUSTED FOR LINE LOSS - 1.00031	175,404,683	148,573,879	26,830,804	18.1	4,155,474	3,863,471	292,003	7.6	4.2211	3.8456	0.3755	9.8
23 PRIOR PERIOD TRUE-UP	(5,090,285)	(5,090,285)	(0)	0.0	4,155,474	3,863,471	292,003	7.6	(0.1225)	(0.1318)	0.0093	(7.1)
24 TOTAL JURISDICTIONAL FUEL COST	170,314,397	143,483,594	26,830,803	18.7	4,155,474	3,863,471	292,003	7.6	4.0986	3.7138	0.3848	10.4
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									4.1016	3.7165	0.3851	10.4
27 GPIF	367,309	367,309			4,155,474	3,863,471			0.0088	0.0095	(0.0007)	(7.4)
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									4.110	3.726	0.384	10.3

*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 - SEPTEMBER 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)	1,077,069,810	1,059,840,258	17,229,551	1.6	31,138,182	31,256,582	(118,400)	(0.4)	3.4590	3.3908	0.0682	2.0
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	11,089,889	12,062,373	(972,484)	(8.1)	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	1,088,159,698	1,071,902,631	16,257,067	1.5	31,138,182	31,256,582	(118,400)	(0.4)	3.4946	3.4294	0.0652	1.9
5 ENERGY COST OF PURCHASED POWER - FIRM (SCH A7)	87,386,410	73,084,956	14,301,454	19.6	1,368,971	1,180,452	188,519	16.0	6.3834	6.1913	0.1921	3.1
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)	27,601,753	17,432,464	10,169,289	58.3	532,991	349,777	183,215	52.4	5.1787	4.9839	0.1948	3.9
8 PAYMENTS TO QUALIFYING FACILITIES (SCH A8)	74,409,243	76,674,972	(2,265,730)	(3.0)	1,832,060	1,863,325	(31,265)	(1.7)	4.0615	4.1150	(0.0535)	(1.3)
9 TOTAL COST OF PURCHASED POWER	189,397,405	167,192,393	22,205,013	13.3	3,734,022	3,393,553	340,469	10.0	5.0722	4.9268	0.1454	3.0
10 TOTAL AVAILABLE MWH					34,872,204	34,650,135	222,069	0.6				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(4,885,048)	(4,028,256)	(856,792)	21.3	(219,595)	(184,500)	(35,095)	19.0	2.2246	2.1833	0.0413	1.9
11a GAIN ON OTHER POWER SALES - 100% (SCH A6)	(1,001,272)	(884,584)	(116,688)	13.2	(219,595)	(184,500)	(35,095)	19.0	0.4560	0.4794	(0.0234)	(4.9)
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	(66,120,300)	(61,657,103)	(4,463,197)	7.2	(2,304,780)	(2,174,691)	(130,089)	6.0	2.8688	2.8352	0.0336	1.2
13 TOTAL FUEL COST AND GAINS ON POWER SALES	(72,006,620)	(66,569,942)	(5,436,678)	8.2	(2,524,375)	(2,359,190)	(165,185)	7.0	2.8525	2.8217	0.0308	1.1
14 NET INADVERTENT AND WHEELED INTERCHANGE					170,137	128,396	41,741					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	1,205,550,483	1,172,525,081	33,025,402	2.8	32,517,966	32,419,340	98,626	0.3	3.7073	3.6167	0.0906	2.5
16 NET UNBILLED	(4,292,915)	13,359,407	(17,652,322)	(132.1)	28,286	(339,990)	368,276	(108.3)	(0.0142)	0.0444	(0.0586)	(132.0)
17 COMPANY USE	4,724,281	4,495,800	228,481	5.1	(126,947)	(124,041)	(2,905)	2.3	0.0156	0.0150	0.0006	4.0
18 T & D LOSSES	81,255,994	67,874,499	13,381,495	19.7	(2,184,543)	(1,897,261)	(287,282)	15.1	0.2688	0.2258	0.0430	19.0
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	1,205,550,483	1,172,525,081	33,025,402	2.8	30,234,762	30,058,048	176,714	0.6	3.9873	3.9009	0.0864	2.2
20 WHOLESALE KWH SALES (EXCLUDING STRATIFIED SALES)	(9,775,866)	(7,017,586)	(2,758,280)	39.3	(224,733)	(169,291)	(55,442)	32.8	4.3500	4.1453	0.2047	4.9
21 JURISDICTIONAL KWH SALES	1,195,774,617	1,165,507,495	30,267,122	2.6	30,010,030	29,888,758	121,272	0.4	3.9846	3.8995	0.0851	2.2
22 JURISDICTIONAL KWH SALES ADJUSTED FOR LINE LOSS - 1.00031	1,196,112,273	1,165,836,676	30,275,596	2.6	30,010,030	29,888,758	121,272	0.4	3.9857	3.9006	0.0851	2.2
23 PRIOR PERIOD TRUE-UP	(45,812,568)	(45,812,565)	(3)	0.0	30,010,030	29,888,758	121,272	0.4	(0.1527)	(0.1533)	0.0006	(0.4)
24 TOTAL JURISDICTIONAL FUEL COST	1,150,299,705	1,120,024,111	30,275,593	2.7	30,010,030	29,888,758	121,272	0.4	3.8330	3.7473	0.0857	2.3
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									3.8358	3.7500	0.0858	2.3
27 GPIF	3,305,784	3,305,781			30,010,030	29,888,758			0.0110	0.0111	(0.0001)	100.9
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									3.847	3.761	0.086	2.3

*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
SEPTEMBER 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	\$158,793,245	144,717,338	\$14,075,907	9.7	\$1,077,069,810	\$1,059,840,258	\$17,229,551	1.6
1a. COAL CAR SALE	0	0	0	0.0	0	0	0	0.0
2 . FUEL COST OF POWER SOLD	(286,533)	(144,520)	(142,013)	98.3	(4,885,048)	(4,028,256)	(856,792)	21.3
2a. GAIN ON POWER SALES	(61,099)	(39,168)	(21,931)	56.0	(1,001,272)	(884,584)	(116,688)	13.2
3 . FUEL COST OF PURCHASED POWER	15,835,079	3,333,771	12,501,308	375.0	87,386,410	73,084,956	14,301,454	19.6
3a. ENERGY PAYMENTS TO QUALIFYING FACILITIES	8,952,041	9,923,825	(971,784)	(9.8)	74,409,243	76,674,972	(2,265,730)	(3.0)
4 . ENERGY COST OF ECONOMY PURCHASES	8,320,941	611,091	7,709,850	1,261.7	27,601,753	17,432,464	10,169,289	58.3
5 . TOTAL FUEL & NET POWER TRANSACTIONS	191,553,675	158,402,337	33,151,338	20.9	1,260,580,895	1,222,119,812	38,461,083	3.2
6 . ADJUSTMENTS TO FUEL COST:								
6a. FUEL COST OF STRATIFIED SALES	(14,569,623)	(10,156,633)	(4,412,990)	43.5	(66,120,300)	(61,657,103)	(4,463,197)	7.2
6b. OTHER- JURISDICTIONAL ADJUSTMENTS (see detail below)	107,024	1,093,015	(985,992)	(90.2)	11,089,889	12,062,373	(972,484)	(8.1)
6c. OTHER - PRIOR PERIOD ADJUSTMENT	0	0	0	0.0	0	0	0	0.0
7 . ADJUSTED TOTAL FUEL & NET PWR TRNS	\$177,091,076	\$149,338,719	\$27,752,356	18.6	\$1,205,550,483	\$1,172,525,081	\$33,025,402	2.8

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)	980	0	980	5.970	5,970	0	5,970
WHOLESALE ALLOCATION ADJUSTMENT	0	0	0	0	0	0	0
TANK BOTTOM ADJUSTMENT	(991,828)	0	(991,828)	(991,828)	0	(991,828)	0
AERIAL SURVEY ADJUSTMENT (Coal Pile)	0	0	0	1,936,195	0	1,936,195	0
FPD AGREEMENT TERMINATION	1,097,872	0	1,097,872	9,978,155	0	9,978,155	0
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	0
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	\$107,024	\$0	\$107,024	\$11,089,889	\$0	\$11,089,889	

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

B. KWH SALES

1 . JURISDICTIONAL SALES	4,155,473,305	3,863,470,846	292,002,459	7.6	30,010,028,529	29,888,757,568	121,270,961	0.4
2 . NON JURISDICTIONAL (WHOLESALE) SALES	41,052,601	20,825,400	20,227,201	97.1	224,732,693	169,290,726	55,441,967	32.8
3 . TOTAL SALES	4,196,525,906	3,884,296,246	312,229,660	8.0	30,234,761,222	30,058,048,294	176,712,928	0.6
4 . JURISDICTIONAL SALES % OF TOTAL SALES	99.02	99.46	(0.44)	(0.4)	99.26	99.44	(0.18)	(0.2)

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

	CURRENT MONTH				YEAR TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT
C. TRUE UP CALCULATION								
1. JURISDICTIONAL FUEL REVENUE	\$147,489,868	\$135,671,555	\$11,818,314	8.7	\$941,269,734	\$933,493,245	\$7,776,490	0.8
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	45,812,568	45,812,565	3	0.0
2b. INCENTIVE PROVISION	(367,309)	(367,309)	(0)	0.0	(3,305,784)	(3,305,781)	(3)	0.0
3. TOTAL JURISDICTIONAL FUEL REVENUE	152,212,844	140,394,531	11,818,314	8.4	983,776,518	976,000,029	7,776,490	0.8
4. ADJ TOTAL FUEL & NET PWR TRNS (LINE A7)	177,091,076	149,338,719	27,752,356	18.6	1,205,550,483	1,172,525,081	33,025,402	2.8
5. JURISDICTIONAL SALES % OF TOT SALES (LINE B4)	99.02	99.46	(0.44)	(0.4)	99.26	99.44	(0.18)	(0.2)
6. JURISDICTIONAL FUEL & NET POWER TRANSACTIONS (LINE C4 * LINE C5 * 1.00031 LOSS MULTIPLIER)	175,404,683	148,573,879	26,830,804	18.1	1,196,112,273	1,165,836,676	30,275,596	2.6
7. TRUE UP PROVISION FOR THE MONTH OVER/(UNDER) COLLECTION (LINE C3 - C6)	(23,191,838)	(8,179,348)	(15,012,490)	183.5	(212,335,754)	(189,836,648)	(22,499,106)	11.9
8. INTEREST PROVISION FOR THE MONTH (LINE D10)	(11,123)	(12,445)	1,322	(10.6)	(37,148)	(40,031)	2,883	(7.2)
9. TRUE UP & INTEREST PROVISION BEG OF MONTH/PERIOD	(208,312,636)	(200,827,579)	(7,485,058)	3.7	21,579,587	21,579,587	0	0.0
10. TRUE UP COLLECTED (REFUNDED)	(5,090,285)	(5,090,285)	(0)	0.0	(45,812,568)	(45,812,565)	(3)	0.0
11. END OF PERIOD TOTAL NET TRUE UP (LINES C7 + C8 + C9 + C10)	(236,605,883)	(214,109,657)	(22,496,226)	10.5	(236,605,883)	(214,109,657)	(22,496,226)	10.5
12. OTHER:	0				0		0	
13. END OF PERIOD TOTAL NET TRUE UP (LINES C11 + C12)	(\$236,605,883)	(214,109,657)	(22,496,226)	10.5	(\$236,605,883)	(214,109,657)	(22,496,226)	10.5
D. INTEREST PROVISION								
1. BEGINNING TRUE UP (LINE C9)	(\$208,312,636)	N/A	--	--				
2. ENDING TRUE UP (LINES C7 + C9 + C10 + C12)	(236,594,760)	N/A	--	--				
3. TOTAL OF BEGINNING & ENDING TRUE UP	(444,907,397)	N/A	--	--				
4. AVERAGE TRUE UP (50% OF LINE D3)	(222,453,698)	N/A	--	--				
5. INTEREST RATE - FIRST DAY OF REPORTING MONTH	0.060	N/A	--	--				
6. INTEREST RATE - FIRST DAY OF SUBSEQUENT MONTH	0.070	N/A	--	--				
7. TOTAL (LINE D5 + LINE D6)	0.130	N/A	--	--				
8. AVERAGE INTEREST RATE (50% OF LINE D7)	0.065	N/A	--	--				
9. MONTHLY AVERAGE INTEREST RATE (LINE D8/12)	0.005	N/A	--	--				
10. INTEREST PROVISION (LINE D4 * LINE D9)	(\$11,123)	N/A	--	--				

A-3 Generating System Comparative Data Report

Report Period : 9/1/2021 to 9/1/2021

Duke Energy Florida, LLC

FUEL COST OF SYSTEM	ACTUAL	ESTIMATED	DIFFERENCE	DIFFERENCE (%)
NET GENERATION (\$)				
1 - HEAVY OIL	0	0	0	0.0 %
2 - LIGHT OIL	974,983	1,087,311	(112,328)	(10.3 %)
3 - COAL	10,712,964	20,916,798	(10,203,834)	(48.8 %)
4 - GAS	147,105,298	122,713,229	24,392,069	19.9 %
5 - NUCLEAR	0	0	0	0.0 %
6	0	0	0	0.0 %
7	0	0	0	0.0 %
8 - TOTAL (\$)	158,793,245	144,717,338	14,075,907	9.7 %
SYSTEM NET GENERATION (MWH)				
9 - HEAVY OIL	0	0	0	0.0 %
10 - LIGHT OIL	585	4,426	(3,841)	(86.8 %)
11 - COAL	292,067	740,078	(448,011)	(60.5 %)
12 - GAS	3,355,715	3,134,011	221,704	7.1 %
13 - NUCLEAR	0	0	0	0.0 %
14 - SOLAR	79,175	95,251	(16,076)	(16.9 %)
15	0	0	0	0.0 %
16 - TOTAL (MWH)	3,727,542	3,973,766	(246,224)	(6.2 %)
UNITS OF FUEL BURNED				
17 - HEAVY OIL (BBL)	0	0	0	0.0 %
18 - LIGHT OIL (BBL)	6,675	10,027	(3,352)	(33.4 %)
19 - COAL (TON)	160,065	326,780	(166,715)	(51.0 %)
20 - GAS (MCF)	24,802,016	23,084,503	1,717,513	7.4 %
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	38,399	58,415	(20,016)	(34.3 %)
26 - COAL	3,701,663	7,588,504	(3,886,841)	(51.2 %)
27 - GAS	25,389,108	23,084,503	2,304,605	10.0 %
28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (MILLION BTU)	29,129,170	30,731,422	(1,602,252)	(5.2 %)
GENERATION MIX (% MWH)				
32 - HEAVY OIL	0.0	0.00	0.0	0.0 %
33 - LIGHT OIL	0.0	0.11	(0.1)	(85.9 %)
34 - COAL	7.8	18.62	(10.8)	(57.9 %)
35 - GAS	90.0	78.87	11.2	14.1 %
36 - NUCLEAR	0.0	0.00	0.0	0.0 %
37 - SOLAR	2.1	2.40	(0.3)	(11.4 %)
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 %

A-3 Generating System Comparative Data Report

Report Period : 9/1/2021 to 9/1/2021

Duke Energy Florida, LLC

41 - LIGHT OIL (\$/BBL)	146.06	108.44	37.63	34.7 %
42 - COAL (\$/TON)	66.93	64.01	2.92	4.6 %
43 - GAS (\$/MCF)	5.93	5.32	0.62	11.6 %
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	25.39	18.61	6.78	36.4 %
49 - COAL	2.89	2.76	0.14	5.0 %
50 - GAS	5.79	5.32	0.48	9.0 %
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)	5.45	4.71	0.74	15.8 %
BTU BURNED PER KWH (BTU/KWH)				
55 - HEAVY OIL	0	0	0	0.0 %
56 - LIGHT OIL	65,664	13,198	52,466	397.5 %
57 - COAL	12,674	10,254	2,420	23.6 %
58 - GAS	7,566	7,366	200	2.7 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %
62 - SYSTEM (BTU/KWH)	7,815	7,734	81	1.0 %
GENERATED FUEL COST PER KWH (CENTS/KWH)				
63 - HEAVY OIL	0.00	0.00	0.00	0.0 %
64 - LIGHT OIL	166.73	24.57	142.16	578.7 %
65 - COAL	3.67	2.83	0.84	29.8 %
66 - GAS	4.38	3.92	0.47	12.0 %
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)	4.26	3.64	0.62	17.0 %

A-3 Generating System Comparative Data Report

Report Period : 1/1/2021 to 9/1/2021

Duke Energy Florida, LLC

FUEL COST OF SYSTEM	ACTUAL	ESTIMATED	DIFFERENCE	DIFFERENCE (%)
NET GENERATION (\$)				
1 - HEAVY OIL	0	0	0	0.0 %
2 - LIGHT OIL	19,911,781	26,953,447	(7,041,666)	(26.1 %)
3 - COAL	144,157,088	156,325,663	(12,168,575)	(7.8 %)
4 - GAS	913,000,941	876,561,150	36,439,791	4.2 %
5 - NUCLEAR	0	0	0	0.0 %
6	0	0	0	0.0 %
7	0	0	0	0.0 %
8 - TOTAL (\$)	1,077,069,810	1,059,840,260	17,229,550	1.6 %
SYSTEM NET GENERATION (MWH)				
9 - HEAVY OIL	0	0	0	0.0 %
10 - LIGHT OIL	55,391	89,414	(34,023)	(38.1 %)
11 - COAL	4,572,857	5,113,615	(540,758)	(10.6 %)
12 - GAS	25,790,350	25,292,442	497,908	2.0 %
13 - NUCLEAR	0	0	0	0.0 %
14 - SOLAR	719,584	761,111	(41,527)	(5.5 %)
15	0	0	0	0.0 %
16 - TOTAL (MWH)	31,138,182	31,256,582	(118,400)	(0.4 %)
UNITS OF FUEL BURNED				
17 - HEAVY OIL (BBL)	0	0	0	0.0 %
18 - LIGHT OIL (BBL)	172,045	251,355	(79,310)	(31.6 %)
19 - COAL (TON)	2,139,431	2,339,177	(199,746)	(8.5 %)
20 - GAS (MCF)	191,062,693	187,214,607	3,848,086	2.1 %
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	987,048	1,451,665	(464,617)	(32.0 %)
26 - COAL	48,011,848	52,746,360	(4,734,512)	(9.0 %)
27 - GAS	195,803,293	190,723,519	5,079,774	2.7 %
28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (MILLION BTU)	244,802,189	244,921,544	(119,355)	(0.0 %)
GENERATION MIX (% MWH)				
32 - HEAVY OIL	0.0	0.00	0.0	0.0 %
33 - LIGHT OIL	0.2	0.29	(0.1)	(37.8 %)
34 - COAL	14.7	16.36	(1.7)	(10.2 %)
35 - GAS	82.8	80.92	1.9	2.4 %
36 - NUCLEAR	0.0	0.00	0.0	0.0 %
37 - SOLAR	2.3	2.44	(0.1)	(5.1 %)
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 %

A-3 Generating System Comparative Data Report

Report Period : 1/1/2021 to 9/1/2021

Duke Energy Florida, LLC

41 - LIGHT OIL (\$/BBL)	115.74	107.23	8.50	7.9 %
42 - COAL (\$/TON)	67.38	66.83	0.55	0.8 %
43 - GAS (\$/MCF)	4.78	4.68	0.10	2.1 %
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	20.17	18.57	1.61	8.6 %
49 - COAL	3.00	2.96	0.04	1.3 %
50 - GAS	4.66	4.60	0.07	1.5 %
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	4.33	0.07	1.7 %
BTU BURNED PER KWH (BTU/KWH)				
55 - HEAVY OIL	0	0	0	0.0 %
56 - LIGHT OIL	17,820	16,235	1,584	9.8 %
57 - COAL	10,499	10,315	184	1.8 %
58 - GAS	7,592	7,541	51	0.7 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %
62 - SYSTEM (BTU/KWH)	7,862	7,836	26	0.3 %
GENERATED FUEL COST PER KWH (CENTS/KWH)				
63 - HEAVY OIL	0.00	0.00	0.00	0.0 %
64 - LIGHT OIL	35.95	30.14	5.80	19.3 %
65 - COAL	3.15	3.06	0.10	3.1 %
66 - GAS	3.54	3.47	0.07	2.1 %
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)	3.46	3.39	0.07	2.0 %

A-4 System Net Generation and Fuel Cost Report

Report Period : 9/1/2021 to 9/1/2021

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	13,738.00	25			0				0	0	0.000	
Debary Solar 1													
TOTAL DSF 1	74	10,982.00	21			0				0	0	0.000	
Hamilton Solar Facility													
TOTAL HSF 1	75	11,943.00	22			0				0	0	0.000	
Lake Placid Solar Facility													
TOTAL LKP 1	45	0.00				0				0	0	0.000	
Osceola Solar Facility 1													
TOTAL UNIT 1	4	405.00	14			0				0	0	0.000	
Perry Solar Facility 1													
TOTAL UNIT 1	5	720.00	20			0				0	0	0.000	
Santa Fe Solar Facility													
TOTAL Unit 1	75	12,743.00	24			0				0	0	0.000	
Suwanee Solar Facility													
TOTAL UNIT 1	9	1,439.00	22			0				0	0	0.000	
Trenton Solar Facility													
TOTAL TRN 1	75	13,578.00	25			0				0	0	0.000	
Twin Rivers Solar Facility													
TOTAL Unit 1	75	13,578.00	25			0				0	0	0.000	
St. Pete Pier													
TOTAL Solar	512	79,175.45				0				0	0	0.000	
Steam													
Anclote													
		149,979.00					Gas	1,585,723	1.026	1,626,952	9,414,812	6.277	5.937
TOTAL UNIT 1	521	149,979.00	40			10,848				1,626,952	9,414,812	6.277	
		113,814.00					Gas	1,278,352	1.026	1,311,589	7,589,881	6.669	5.937
TOTAL UNIT 2	514	113,814.00	31			11,524				1,311,589	7,589,881	6.669	
Crystal River 4 & 5													
		163,964.00					Coal	89,487	23.126	2,069,476	5,989,126	3.653	66.931
		0.00					No 2	4,181	5.753	24,053	584,400	0.000	107.103
TOTAL UNIT 4	721	163,964.00	32			12,768				2,093,530	6,573,526	3.926	
		128,103.00					Coal	70,578	23.126	1,632,187	4,723,837	3.688	66.931
		0.00					No 2	1,152	5.753	6,630	160,778	0.000	106.906
TOTAL UNIT 5	721	128,103.00	25			12,793				1,638,817	4,884,615	3.784	
TOTAL Steam	2,477	555,860.00				12,001				6,670,887	28,462,835	5.121	
Gas Turbine													
Bartow Combined Cycle													
		458,292.00					Gas	3,340,382	1.017	3,397,705	18,731,072	4.087	5.607
TOTAL BCC	1,062	458,292.00	60			7,414				3,397,705	18,731,072	4.087	
Bartow Peaker													
		127.16					No 2	219	5.704	1,249	40,444	24.371	141.501
		608.84					Gas	5,835	1.025	5,981	35,429	5.819	6.072
TOTAL BAP	223	736.00	0			9,823				7,230	75,874	9.024	
Bayboro Peaker													
		4.00					No 2	46	5.665	261	28,888	553.610	481.400
TOTAL BYP	58	4.00	0			65,144				261	28,888	553.610	

A-4 System Net Generation and Fuel Cost Report

Report Period : 9/1/2021 to 9/1/2021

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	1,009,730.00	74			6,829	Gas	6,707,410	1.028	6,895,217	43,641,390	4.322	6.506
Debary Peaker													
		453.94					No 2	1,076	5.768	6,206	160,472	27.090	114.284
		9,759.06					Gas	129,790	1.028	133,424	774,352	7.935	5.966
TOTAL DEP	418	10,213.00	3			13,672				139,630	934,825	8.786	
Hines Energy													
TOTAL HEP	2,167	1,132,030.00	73			7,276	Gas	8,058,960	1.022	8,236,257	45,783,753	4.044	5.681
Intercession City Peaker													
TOTAL ICP	562	31,875.00	8			12,601	Gas	390,732	1.028	401,673	2,257,654	7.083	5.778
Osprey													
TOTAL OSP	569	293,770.00	72			7,318	Gas	2,099,529	1.024	2,149,918	11,831,522	4.027	5.635
Suwannee Peaker													
TOTAL SRP	136	6,559.20	7			13,011	Gas	83,182	1.026	85,345	494,235	7.535	5.942
Tiger Bay Cogen													
TOTAL TBP	224	139,230.00	86			7,714	Gas	1,052,925	1.020	1,073,983	5,910,217	4.245	5.613
Univ of Florida Cogen													
		0.00					No 2	0	0.000	0	0	0.000	0.000
		10,068.00					Gas	69,195	1.027	71,063	640,980	7.647	9.263
TOTAL UFP	50	10,068.00	23			8,478				71,063	640,980	7.647	
TOTAL Gas Turbine	7,353	3,092,507.00				7,262				22,458,282	130,330,410	4.214	
SYSTEM TOTAL	10,342	3,727,542.45				7,815				29,129,170	158,793,245	4.260	

A-4 System Net Generation and Fuel Cost Report

Report Period : 1/1/2021 to 9/1/2021

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	130,442.00	27			0				0	0	0.000	
Debary Solar 1													
TOTAL DSF 1	74	102,243.00	21			0				0	0	0.000	
Hamilton Solar Facility													
TOTAL HSF 1	75	119,457.00	24			0				0	0	0.000	
Lake Placid Solar Facility													
TOTAL LKP 1	45	53,307.00	18			0				0	0	0.000	
Osceola Solar Facility 1													
TOTAL UNIT 1	4	4,345.00	17			0				0	0	0.000	
Perry Solar Facility 1													
TOTAL UNIT 1	5	5,431.00	17			0				0	0	0.000	
Santa Fe Solar Facility													
TOTAL Unit 1	75	106,477.00	22			0				0	0	0.000	
Suwanee Solar Facility													
TOTAL UNIT 1	9	12,866.00	22			0				0	0	0.000	
Trenton Solar Facility													
TOTAL TRN 1	75	131,104.00	27			0				0	0	0.000	
Twin Rivers Solar Facility													
TOTAL Unit 1	75	53,554.00	11			0				0	0	0.000	
St. Pete Pier													
TOTAL Solar	512	719,584.21				0				0	0	0.000	
Steam													
Anclote													
		788,472.00					Gas	8,429,774	1.026	8,647,701	42,838,382	5.433	5.082
TOTAL UNIT 1	521	788,472.00	23			10,968				8,647,701	42,838,382	5.433	
		889,705.00					Gas	9,908,813	1.026	10,170,024	50,201,871	5.643	5.066
TOTAL UNIT 2	514	889,705.00	26			11,431				10,170,024	50,201,871	5.643	
Crystal River 4 & 5													
		1,859,923.00					Coal	873,988	22.493	19,658,587	57,653,444	3.100	65.966
		0.00					No 2	21,682	5.730	124,246	2,880,024	0.000	126.592
TOTAL UNIT 4	721	1,859,923.00	39			10,636				19,782,833	60,533,468	3.247	
		2,712,934.00					Coal	1,265,443	22.406	28,353,262	86,503,643	3.189	68.358
		0.00					No 2	20,114	5.727	115,192	2,778,709	0.000	136.295
TOTAL UNIT 5	721	2,712,934.00	57			10,494				28,468,454	89,282,352	3.290	
TOTAL Steam	2,477	6,251,034.00				10,729				67,069,011	242,856,073	3.882	
Gas Turbine													
Bartow Combined Cycle													
		4,033,722.00					Gas	29,933,339	1.021	30,565,699	129,751,805	3.217	4.335
TOTAL BCC	1,259	4,033,722.00	49			7,578				30,565,699	129,751,805	3.217	
Bartow Peaker													
		8,809.09					No 2	23,309	5.712	133,139	2,552,652	28.871	109.112
		22,020.91					Gas	324,559	1.025	332,821	1,595,917	7.247	4.917
TOTAL BAP	223	30,830.00	2			15,114				465,960	4,148,569	13.426	
Bayboro Peaker													
		5,256.00					No 2	7,779	5.712	44,431	1,027,074	19.541	132.032
TOTAL BYP	238	5,256.00	0			8,453				44,431	1,027,074	19.541	

A-4 System Net Generation and Fuel Cost Report

Report Period : 1/1/2021 to 9/1/2021

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	8,020,428.00	65			6,804	Gas	53,054,594	1.029	54,570,701	284,520,090	3.547	5.363
Debary Peaker													
		23,563.51					No 2	57,150	5.768	329,628	6,562,499	27.693	114.180
		118,482.49					Gas	1,612,911	1.028	1,657,444	8,114,469	6.849	5.031
TOTAL DEP	707	142,046.00	3			13,989				1,987,072	14,676,968	10.306	
Hines Energy													
TOTAL HEP	2,167	8,330,139.00	59			7,271	Gas	59,193,303	1.023	60,564,823	266,802,328	3.203	4.507
Intercession City Peaker													
		16,010.99					No 2	37,726	5.712	215,491	3,716,834	23.214	98.522
		295,199.17					Gas	3,866,925	1.027	3,973,070	17,343,719	5.875	4.485
TOTAL ICP	1,198	311,210.00	4			13,459				4,188,561	21,060,553	6.767	
Osprey													
TOTAL OSP	569	2,074,185.00	56			7,274	Gas	14,741,259	1.024	15,087,776	65,793,566	3.172	4.463
Suwannee Peaker													
		1,750.66					No 2	4,284	5.817	24,920	393,989	22.505	91.968
		44,319.04					Gas	614,330	1.027	630,865	3,132,255	7.068	5.099
TOTAL SRP	203	46,070.00	3			14,235				655,785	3,526,244	7.654	
Tiger Bay Cogen													
TOTAL TBP	224	926,035.00	63			7,724	Gas	6,997,516	1.022	7,153,146	31,668,710	3.420	4.526
Univ of Florida Cogen													
		0.00					No 2	0	0.000	0	0	0.000	0.000
		247,643.30					Gas	2,385,369	1.027	2,449,225	11,237,830	4.569	4.711
TOTAL UFP	50	247,643.00	75			9,958				2,449,225	11,237,830	4.569	
TOTAL Gas Turbine	8,722	24,167,564.00				7,355				177,733,178	834,213,737	3.452	
SYSTEM TOTAL	11,486	31,138,182.21				7,862				244,802,189	1,077,069,810	3.459	

A-5 System Generation Fuel Cost Report

Report Period : 9/1/2021 to 9/1/2021

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)	7,858	10,027	(2,169)	(21.6%)
20 - UNIT COST (\$/BBL)	81.85	108.44	(26.59)	(24.5%)
21 - AMOUNT (\$)	643,171	1,087,311	(444,140)	(40.8%)
22 - BURNED				
23 - UNITS (BBL)	6,675	10,027	(3,352)	(33.4%)
24 - UNIT COST (\$/BBL)	146.06	108.44	37.63	34.7%
25 - AMOUNT (\$)	974,983	1,087,311	(112,328)	(10.3%)
26 - ADJUSTMENTS				
27 - UNITS (BBL)	10,145			
28 - AMOUNT (\$)	991,828			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	426,115	431,972	(5,857)	(1.4%)
31 - UNIT COST (\$/BBL)	108.26	109.46	(1.20)	(1.1%)
32 - AMOUNT (\$)	46,130,056	47,283,848	(1,153,792)	(2.4%)
33 -				
34 - DAYS SUPPLY	1,376	1,292	83	6.4%

A-5 System Generation Fuel Cost Report

Report Period : 9/1/2021 to 9/1/2021

Duke Energy Florida, LLC

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	186,704	326,780	(140,076)	(42.9%)
37 - UNIT COST (\$/TON)	72.28	64.01	8.27	12.9%
38 - AMOUNT (\$)	13,495,500	20,916,798	(7,421,298)	(35.5%)
39 - BURNED				
40 - UNITS (TON)	160,065	326,780	(166,715)	(51.0%)
41 - UNIT COST (\$/TON)	66.93	64.01	2.92	4.6%
42 - AMOUNT (\$)	10,712,964	20,916,798	(10,203,834)	(48.8%)
43 - ADJUSTMENTS				
44 - UNITS (TON)	0			
45 - AMOUNT (\$)	0			
46 - ENDING INVENTORY				
47 - UNITS (TON)	335,560	351,644	(16,084)	(4.6%)
48 - UNIT COST (\$/TON)	66.93	63.96	2.97	4.6%
49 - AMOUNT (\$)	22,458,657	22,490,179	(31,522)	(0.1%)
50 -				
51 - DAYS SUPPLY	63	32	31	94.8%
GAS				
52 - BURNED				
53 - UNITS (MCF)	24,802,016	23,084,503	1,717,513	7.4%
54 - UNIT COST (\$/MCF)	5.93	5.32	0.62	11.6%
55 - AMOUNT (\$)	147,105,298	122,713,229	24,392,069	19.9%
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 9/1/2021

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)	57,384	150,117	(92,733)	(61.8%)
20 - UNIT COST (\$/BBL)	124.90	108.95	15.96	14.6%
21 - AMOUNT (\$)	7,167,369	16,354,655	(9,187,286)	(56.2%)
22 - BURNED				
23 - UNITS (BBL)	172,045	251,355	(79,310)	(31.6%)
24 - UNIT COST (\$/BBL)	115.74	107.23	8.50	7.9%
25 - AMOUNT (\$)	19,911,781	26,953,447	(7,041,666)	(26.1%)
26 - ADJUSTMENTS				
27 - UNITS (BBL)	10,145			
28 - AMOUNT (\$)	991,828			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	426,115	431,972	(5,857)	(1.4%)
31 - UNIT COST (\$/BBL)	108.26	109.46	(1.20)	(1.1%)
32 - AMOUNT (\$)	46,130,056	47,283,848	(1,153,792)	(2.4%)
33 -				
34 - DAYS SUPPLY	0	0	0	0.0%

A-5 System Generation Fuel Cost Report

Report Period : 1/1/2021 to 9/1/2021

Duke Energy Florida, LLC

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	1,947,506	2,163,336	(215,830)	(10.0%)
37 - UNIT COST (\$/TON)	65.98	65.04	0.94	1.4%
38 - AMOUNT (\$)	128,493,415	140,693,512	(12,200,097)	(8.7%)
39 - BURNED				
40 - UNITS (TON)	2,139,431	2,339,177	(199,746)	(8.5%)
41 - UNIT COST (\$/TON)	67.38	66.83	0.55	0.8%
42 - AMOUNT (\$)	144,157,088	156,325,663	(12,168,575)	(7.8%)
43 - ADJUSTMENTS				
44 - UNITS (TON)	(26,652)			
45 - AMOUNT (\$)	(1,936,195)			
46 - ENDING INVENTORY				
47 - UNITS (TON)	335,560	351,644	(16,084)	(4.6%)
48 - UNIT COST (\$/TON)	66.93	63.96	2.97	4.6%
49 - AMOUNT (\$)	22,458,657	22,490,179	(31,522)	(0.1%)
50 -				
51 - DAYS SUPPLY	0	0	0	0.0%
GAS				
52 - BURNED				
53 - UNITS (MCF)	191,062,693	187,214,607	3,848,086	2.1%
54 - UNIT COST (\$/MCF)	4.78	4.68	0.10	2.1%
55 - AMOUNT (\$)	913,000,941	876,561,150	36,439,791	4.2%
NUCLEAR				
56 - BURNED				
57 - UNITS (MMBTU)	0	0	0	0.0%
58 - UNIT COST (\$/MMBTU)	0.00	0.00	0.00	0.0%
59 - AMOUNT (\$)	0	0	0	0.0%

ATTACHMENT #1
 SCHEDULE A-5
 September 2021

HEAVY OIL		
UNITS	AMOUNT	
0	0	TOTAL

LIGHT OIL		
UNITS	AMOUNT	
(40)	\$ (4,840)	Tank bottom adjustment - Bartow peaker
10,185	\$ 996,668	Tank bottom adjustment - Intercession City peaker
10,145	\$ 991,828	TOTAL

COAL		
UNITS	AMOUNT	
-	\$ -	TOTAL

Duke Energy Florida, LLC
Schedule A6
Power Sold for the Month of
September 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		4,155		4,155	3.478	4.421	144,520.00	183,688.00	39,168.00
ACTUAL									
Florida Municipal Power Agency	CR-1	595		595	3.601	4.733	21,425.95	28,164.30	6,738.35
Reedy Creek Improvement District	CR-1	4,220		4,220	3.152	3.438	133,019.20	145,095.70	12,076.50
The Energy Authority	Schedule OS	4,000		4,000	3.302	3.587	132,088.00	143,460.00	11,372.00
Adjustments:									
PJM Settlements								0.15	0.15
Tampa Electric Company	Transmission							30,911.54	30,911.54
Subtotal - Gain on Other Power Sales		8,815	-	8,815	3.251	3.944	286,533.15	347,631.69	61,098.54
CURRENT MONTH TOTAL		8,815		8,815	3.251	3.944	286,533.15	347,631.69	61,098.54
DIFFERENCE		4,660		4,660	2.903	3.502	142,013.15	163,943.69	21,930.54
DIFFERENCE %		112.14		112.14	83.46	79.21	98.27	89.25	55.99
CUMULATIVE ACTUAL		219,595		219,595	2.225	2.681	4,885,047.89	5,886,319.88	1,001,271.99
CUMULATIVE ESTIMATED		184,501		184,501	2.183	2.663	4,028,256.00	4,912,840.00	884,584.00
DIFFERENCE		35,095		35,095	0.041	0.018	856,791.89	973,479.88	116,687.99
DIFFERENCE %		19.02		19.02	1.89	0.67	21.27	19.82	13.19

DUKE ENERGY FLORIDA, LLC
SCHEDULE A7

PURCHASED POWER
EXCLUSIVE OF ECONOMY PURCHASES
FOR THE MONTH OF:
SEPTEMBER, 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		49,473			49,473	6.739	6.739	3,333,771.00	3,333,771.00
ACTUAL									
Shady Hills Power Company, LLC	TOLL	45,470			45,470	7.671	7.671	3,487,828.95	3,487,828.95
Vandolah Power Co. LLC (Northern Star)	TOLL	171,464			171,464	7.138	7.138	12,239,169.15	12,239,169.15
ADJUSTMENTS									
Shady Hills Power Company, LLC	TOLL	1,235			1,235	2.602	2.602	32,135.34	32,135.34
Vandolah Power Co. LLC (Northern Star)	TOLL	2,957			2,957	2.568	2.568	75,945.89	75,945.89
CURRENT MONTH TOTAL		221,126			221,126	7.161	7.161	15,835,079.33	15,835,079.33
DIFFERENCE		171,653			171,653	0.423	0.423	12,501,308.33	12,501,308.33
DIFFERENCE %		347			347	6.271	6.271	374.99	374.99
CUMULATIVE ACTUAL		1,368,971			1,368,971	6.383	6.383	87,386,409.70	87,386,409.70
CUMULATIVE ESTIMATED		1,180,452			1,180,452	6.191	6.191	73,084,956.00	73,084,956.00
DIFFERENCE		188,519			188,519	0.192	0.192	14,301,453.70	14,301,453.70
DIFFERENCE %		16			16	3.103	3.103	19.57	19.57

DUKE ENERGY FLORIDA, LLC
SCHEDULE A8

ENERGY PAYMENT TO QUALIFYING FACILITIES
FOR THE MONTH OF:
SEPTEMBER, 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		222,491	-	-	222,491	4.460	17.331	9,923,824.66
ACTUAL								
Citrus World (CITRUS) ADJ	CO-GEN	- (12)			- (12)	-	0.000	- (306.37)
Lake County (LAKCOUNT) ADJ	CO-GEN	503 -			503 -	3.986	3.986	20,048.83 948.26
Lee County (LEECOGAS) ADJ	CO-GEN	1,242 -			1,242 -	5.237	5.237	65,047.38 307.07
Orange Cogen (ORANGEAS) ADJ	CO-GEN	278 -			278 -	2.994	2.994	8,323.00 988.36
Orange Cogen (ORANGECO) ADJ	CO-GEN	19,184 -			19,184 -	4.102	36.602	786,974.22 45,811.33
Orlando Cogen Limited (ORLACOGL) ADJ	CO-GEN	85,390 -			85,390 -	5.419	12.903	4,627,284.57 164,838.93
Pasco County Resource Recovery (PASCOUNT) ADJ	CO-GEN	16,473 -			16,473 -	3.085	17.167	508,260.23 35,331.34
PCS Phosphate (OCSWFCKR) ADJ	CO-GEN	7 (19)			7 (19)	3.927	3.927	264.30 (606.97)
Pinellas County Resource Recovery (PINCOUNT) ADJ	CO-GEN	39,815 -			39,815 -	3.083	17.019	1,227,401.62 110,819.19
Polk Power Partners, L.P. (MULBERRY) ADJ	CO-GEN	38,020 -			38,020 -	3.322	25.904	1,263,188.71 87,116.88
CURRENT MONTH TOTAL		200,881			200,881	4.46	18.711	8,952,040.90
DIFFERENCE		(21,609)			(21,609)	(0.004)	1.381	(971,783.76)
DIFFERENCE %		(9.71)			(9.71)	(0.09)	7.97	(9.79)
CUMULATIVE ACTUAL		1,832,059			1,832,059	4.062	18.128	74,409,242.55
CUMULATIVE ESTIMATED		1,863,325			1,863,325	4.115	17.946	76,674,972.29
CUMULATIVE DIFFERENCE		(31,265)			(31,265)	(0.053)	0.182	(2,265,729.74)
CUMULATIVE DIFFERENCE %		(1.68)			(1.68)	(1.30)	1.02	(2.95)

DUKE ENERGY FLORIDA, LLC
SCHEDULE A9

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

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
PURCHASED FROM	TYPE & & SCHEDULE	TOTAL KWH PURCHASED (000)	ENERGY COST C/KWH	TOTAL AMOUNT FOR FUEL ADJ \$	COST IF GENERATED C/KWH	COST IF GENERATED \$	FUEL SAVINGS \$
ESTIMATED		11,347	5.385	611,091	6.155	698,403.00	87,312.00
ACTUAL:							
SubTotal - Energy Purchases (Broker)							
SEPA	Hydro	3,583	3.539	126,788.78	3.539	126,788.78	
Exelon Generation Company, LLC	InternationalSwapsDe	22,952	6.457	1,481,913.00	6.833	1,568,280.51	86,367.51
Florida Power & Light Company Transmission	Transmission Purchase	-	0.000	21,233.48	0.000	-	(21,233.48)
Florida Power & Light Company		77,725	5.454	4,239,100.00	6.134	4,767,379.00	528,279.00
Macquarie Energy LLC		21,874	5.685	1,243,500.00	6.398	1,399,425.52	155,925.52
Orlando Utilities Commission	Schedule OS	749	5.760	43,146.00	6.896	51,651.04	8,505.04
Rainbow Energy Marketing Corporation		828	5.400	44,712.00	6.565	54,358.20	9,646.20
Southern Company Services, Inc.	EEl	7,988	5.017	400,788.00	6.721	536,896.21	136,108.21
Tampa Electric Company	EEl2	11,850	5.791	686,200.00	6.100	722,908.50	36,708.50
Tyr Energy, LLC		592	5.500	32,560.00	6.571	38,900.32	6,340.32
ADJUSTMENTS							
Exelon Generation Company, LLC				1,000.00			(1,000.00)
SubTotal - Energy Purchases (Non-Broker)							
		148,141	5.617	8,320,941.26	6.255	9,266,588.08	945,646.82
CURRENT MONTH TOTAL							
DIFFERENCE		148,141	5.617	8,320,941.26	6.255	9,266,588.08	945,646.82
DIFFERENCE %		136,793	0.232	7,709,850.26	0.100	8,568,185.08	858,334.82
		1,206	4.299	1,261.65	1.631	1,226.83	983.07
CUMULATIVE ACTUAL							
CUMULATIVE ESTIMATED		532,991	5.179	27,601,752.94	6.444	34,348,139.74	6,746,384.20
DIFFERENCE		349,776	4.984	17,432,464.00	6.332	22,148,724.00	4,716,260.00
DIFFERENCE %		183,215	0.195	10,169,288.94	0.112	12,199,415.74	2,030,124.20
		52	3.908	58.34	1.771	55.08	43.05

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	6,188,877	6,188,877	6,188,877	6,188,877	6,188,877	6,188,877	6,188,877	55,699,894
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	6,225,933	6,225,933	6,225,933	6,225,933	6,225,933	6,225,933	6,225,933	56,033,399
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	2,284,360	2,284,360	2,284,360	2,284,360	2,284,360	2,284,360	2,284,360	20,559,240
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	5,437,770	5,437,770	5,437,770	5,437,770	5,437,770	5,437,770	5,437,770	48,939,930
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	8,498,223	8,498,223	8,498,223	8,498,223	8,498,223	8,498,223	8,498,223	76,484,006
6 Wheelabrator Ridge Energy, Inc. (RIDGEGEN)	QF	39.60	8/1/94 - 1/31/19	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Southern purchase - Franklin	PPA	425	6/1/16 - 5/31/21	4,832,347	4,988,816	2,913,671	2,914,969	3,198,304	(755,104)	0	0	0	0	0	0	18,093,003
8 Retail Wheeling				0	(19,418)	(4,147)	(1,634)	0	0	0	0	0	0	0	0	(25,200)
9 CR1&2 NBV				6,716,036	6,716,036	6,716,036	6,716,036	6,716,036	6,716,036	6,716,036	6,716,036	6,716,036	6,716,036	6,716,036	6,716,036	60,444,323
10 ISFSI Return				573,320	573,320	573,320	573,320	573,320	573,320	573,320	573,320	573,320	573,320	573,320	573,320	5,159,878
11 Vandolah Capacity Purchase	PPA	669	June 2012 - May 2027	3,033,279	2,968,686	2,017,074	1,998,157	2,873,617	5,948,748	3,950,401	5,847,436	2,792,890				31,430,287
12 Capacity Sales and Purchases	Other	-1	on-going no term date	(5,587)	0	0	0	0	225,736	244,901	0	0	0	0	0	465,050
13 Shady Hills Tolling	PPA	517	4/1/07-4/30/24	1,976,940	1,976,940	1,976,940	804,060	1,916,460	3,896,100	4,825,132	2,675,452	597,532				20,645,555
14 RidgeGen Agreement Termination				670,785	667,189	656,848	657,880	654,349	650,819	647,288	643,758	640,228				5,889,144
15 Hamilton SoBRA True-Up				0	0	0	0	0	0	0	0	0	0	0	0	0
16 Columbia SoBRA True-Up				0	0	0	0	0	0	0	0	0	0	0	0	0
17 Lake Placid SoBRA True-Up				0	0	0	0	0	0	0	0	0	0	0	0	0
18 Trenton SoBRA True-Up				0	0	0	0	0	0	0	0	0	0	0	0	0
19 Debary SoBRA True-Up				0	0	0	0	0	0	0	0	0	0	0	0	0
20 State Corporate Income Tax Change				(232,776)	(232,776)	(232,776)	(232,776)	(232,776)	(232,776)	(232,776)	(232,776)	(232,776)	(232,776)	(232,776)	(232,776)	(2,094,984)
TOTAL				46,192,158	46,281,305	43,252,129	42,065,174	44,334,473	45,658,041	45,359,465	44,858,388	39,722,392	0	0	0	397,723,525