



Matthew R. Bernier
ASSOCIATE GENERAL COUNSEL

December 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 November 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 December, 2021.

s/ Matthew R. Bernier

Attorney

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DUKE ENERGY FLORIDA
FUEL AND PURCHASED POWER

NOVEMBER 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)	156,689,007	107,819,732	48,869,275	45.3	2,784,777	2,832,949	(48,172)	(1.7)	5.6266	3.8059	1.8207	47.8
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	(6,133,298)	1,080,232	(7,213,530)	(667.8)	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	150,555,709	108,899,964	41,655,745	38.3	2,784,777	2,832,949	(48,172)	(1.7)	5.4064	3.8440	1.5624	40.7
5 ENERGY COST OF PURCHASED POWER - FIRM (SCH A7)	2,150,189	1,665,071	485,118	29.1	18,637	17,848	789	4.4	11.5372	9.3292	2.2080	23.7
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)	382,864	344,471	38,393	11.2	4,599	7,466	(2,866)	(38.4)	8.3257	4.6136	3.7121	80.5
8 PAYMENTS TO QUALIFYING FACILITIES (SCH A8)	7,770,730	9,747,136	(1,976,406)	(20.3)	169,132	224,068	(54,936)	(24.5)	4.5945	4.3501	0.2444	5.6
9 TOTAL COST OF PURCHASED POWER	10,303,783	11,756,678	(1,452,895)	(12.4)	192,367	249,382	(57,015)	(22.9)	5.3563	4.7143	0.6420	13.6
10 TOTAL AVAILABLE MWH					2,977,144	3,082,331	(105,187)	(3)				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(2,065,596)	(707,988)	(1,357,608)	191.8	(58,736)	(18,204)	(40,532)	222.7	3.5167	3.8892	(0.3725)	(9.6)
11a GAIN ON OTHER POWER SALES - 100% (SCH A6)	(741,806)	(191,878)	(549,928)	286.6	(58,736)	(18,204)	(40,532)	222.7	1.2629	1.0540	0.2089	19.8
11b GAIN ON TOTAL POWER SALES - 20% (SCH A6)	34,413	0	34,413	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
12 FUEL COST OF STRATIFIED SALES	(8,299,308)	(5,669,617)	(2,629,691)	46.4	(150,334)	(149,221)	(1,113)	0.8	5.5206	3.7995	1.7211	45.3
13 TOTAL FUEL COST AND GAINS ON POWER SALES	(11,072,297)	(6,569,483)	(4,502,814)	68.5	(209,070)	(167,425)	(41,645)	24.9	5.2960	3.9238	1.3722	35.0
14 NET INADVERTENT AND WHEELED INTERCHANGE					12,130	0	12,130					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	149,787,195	114,087,160	35,700,035	31.3	2,780,204	2,914,907	(134,703)	(4.6)	5.3876	3.9139	1.4737	37.7
16 NET UNBILLED	6,258,254	(9,450,864)	15,709,118	(166.2)	(116,160)	241,468	(357,628)	(148.1)	0.2454	(0.3160)	0.5614	(177.7)
17 COMPANY USE	442,478	439,096	3,382	0.8	(8,213)	(11,219)	3,006	(26.8)	0.0174	0.0147	0.0027	18.4
18 T & D LOSSES	5,705,470	6,024,512	(319,042)	(5.3)	(105,899)	(153,925)	48,026	(31.2)	0.2237	0.2014	0.0223	11.1
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	149,787,195	114,087,160	35,700,035	31.3	2,549,932	2,991,230	(441,298)	(14.8)	5.8742	3.8141	2.0601	54.0
20 WHOLESALE KWH SALES (EXCLUDING STRATIFIED SALES)	(149,787)	(22,817)	(126,970)	556.5	(2,538)	(692)	(1,847)	266.9	5.9008	3.2983	2.6025	78.9
21 JURISDICTIONAL KWH SALES	149,637,408	114,064,342	35,573,066	31.2	2,547,394	2,990,539	(443,145)	(14.8)	5.8741	3.8142	2.0599	54.0
22 JURISDICTIONAL KWH SALES ADJUSTED FOR LINE LOSS - 1.00031	149,679,306	114,096,280	35,583,026	31.2	2,547,394	2,990,539	(443,145)	(14.8)	5.8758	3.8152	2.0606	54.0
23 PRIOR PERIOD TRUE-UP	8,077,661	8,077,661	(0)	0.0	2,547,394	2,990,539	(443,145)	(14.8)	0.3171	0.2701	0.0470	17.4
24 TOTAL JURISDICTIONAL FUEL COST	157,756,967	122,173,941	35,583,026	29.1	2,547,394	2,990,539	(443,145)	(14.8)	6.1929	4.0853	2.1076	51.6
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									6.1974	4.0882	2.1092	51.6
27 GPIF	367,309	367,309			2,547,394	2,990,539			0.0144	0.0123	0.0021	17.1
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									6.212	4.101	2.111	51.5

*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 - NOVEMBER 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)	1,419,182,889	1,293,316,309	125,866,579	9.7	37,532,807	37,522,776	10,031	0.0	3.7812	3.4468	0.3344	9.7
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	6,040,392	14,226,820	(8,186,428)	(57.5)	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	1,425,223,281	1,307,543,129	117,680,152	9.0	37,532,807	37,522,776	10,031	0.0	3.7973	3.4847	0.3126	9.0
5 ENERGY COST OF PURCHASED POWER - FIRM (SCH A7)	104,856,732	75,555,647	29,301,085	38.8	1,574,690	1,209,273	365,418	30.2	6.6589	6.2480	0.4109	6.6
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)	33,212,083	18,214,728	14,997,355	82.3	617,020	366,204	250,816	68.5	5.3827	4.9739	0.4088	8.2
8 PAYMENTS TO QUALIFYING FACILITIES (SCH A8)	91,162,673	96,184,829	(5,022,156)	(5.2)	2,200,915	2,304,435	(103,520)	(4.5)	4.1420	4.1739	(0.0319)	(0.8)
9 TOTAL COST OF PURCHASED POWER	229,231,489	189,955,204	39,276,285	20.7	4,392,625	3,879,911	512,714	13.2	5.2186	4.8959	0.3227	6.6
10 TOTAL AVAILABLE MWH					41,925,432	41,402,687	522,745	1.3				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(8,150,343)	(5,168,500)	(2,981,843)	57.7	(312,919)	(214,187)	(98,732)	46.1	2.6046	2.4131	0.1915	7.9
11a GAIN ON OTHER POWER SALES - 100% (SCH A6)	(1,886,318)	(1,193,612)	(692,707)	58.0	(312,919)	(214,187)	(98,732)	46.1	0.6028	0.5573	0.0455	8.2
11b GAIN ON TOTAL POWER SALES - 20% (SCH A6)	34,413	0	34,413	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
12 FUEL COST OF STRATIFIED SALES	(92,254,109)	(74,904,573)	(17,349,536)	23.2	(2,856,043)	(2,537,111)	(318,932)	12.6	3.2301	2.9524	0.2777	9.4
13 TOTAL FUEL COST AND GAINS ON POWER SALES	(102,256,357)	(81,266,684)	(20,989,673)	25.8	(3,168,962)	(2,751,298)	(417,664)	15.2	3.2268	2.9538	0.2730	9.2
14 NET INADVERTENT AND WHEELED INTERCHANGE					201,382	128,396	72,986					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	1,552,198,412	1,416,231,649	135,966,763	9.6	38,957,852	38,779,785	178,067	0.5	3.9843	3.6520	0.3323	9.1
16 NET UNBILLED	(12,692,003)	(9,337,109)	(3,354,894)	35.9	184,609	253,574	(68,964)	(27.2)	(0.0348)	(0.0255)	(0.0093)	36.5
17 COMPANY USE	5,758,799	5,380,750	378,049	7.0	(146,166)	(147,112)	946	(0.6)	0.0158	0.0147	0.0011	7.5
18 T & D LOSSES	97,512,612	80,741,565	16,771,047	20.8	(2,486,590)	(2,233,075)	(253,516)	11.4	0.2671	0.2203	0.0468	21.2
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	1,552,198,412	1,416,231,649	135,966,763	9.6	36,509,705	36,653,172	(143,467)	(0.4)	4.2515	3.8639	0.3876	10.0
20 WHOLESALE KWH SALES (EXCLUDING STRATIFIED SALES)	(9,965,026)	(7,118,175)	(2,846,851)	40.0	(227,851)	(172,169)	(55,682)	32.3	4.3735	4.1344	0.2391	5.8
21 JURISDICTIONAL KWH SALES	1,542,233,386	1,409,113,474	133,119,913	9.5	36,281,854	36,481,003	(199,149)	(0.6)	4.2507	3.8626	0.3881	10.1
22 JURISDICTIONAL KWH SALES ADJUSTED FOR LINE LOSS - 1.00031	1,542,668,050	1,409,510,864	133,157,186	9.5	36,281,854	36,481,003	(199,149)	(0.6)	4.2519	3.8637	0.3882	10.1
23 PRIOR PERIOD TRUE-UP	(29,657,247)	(29,657,243)	(4)	0.0	36,281,854	36,481,003	(199,149)	(0.6)	(0.0817)	(0.0813)	(0.0004)	0.5
24 TOTAL JURISDICTIONAL FUEL COST	1,513,010,804	1,379,853,621	133,157,182	9.7	36,281,854	36,481,003	(199,149)	(0.6)	4.1702	3.7824	0.3878	10.3
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									4.1732	3.7851	0.3881	10.3
27 GPIF	4,040,403	4,040,399			36,281,854	36,481,003			0.0111	0.0111	0.0000	100.0
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									4.184	3.796	0.388	10.2

*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
NOVEMBER 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	\$156,689,007	107,819,732	\$48,869,275	45.3	\$1,419,182,889	\$1,293,316,309	\$125,866,579	9.7
1a. COAL CAR SALE	0	0	0	0.0	0	0	0	0.0
2 . FUEL COST OF POWER SOLD	(2,065,596)	(707,988)	(1,357,608)	191.8	(8,150,343)	(5,168,500)	(2,981,843)	57.7
2a. GAIN ON POWER SALES	(707,393)	(191,878)	(515,515)	268.7	(1,851,905)	(1,193,612)	(658,294)	55.2
3 . FUEL COST OF PURCHASED POWER	2,150,189	1,665,071	485,118	29.1	104,856,732	75,555,647	29,301,085	38.8
3a. ENERGY PAYMENTS TO QUALIFYING FACILITIES	7,770,730	9,747,136	(1,976,406)	(20.3)	91,162,673	96,184,829	(5,022,156)	(5.2)
4 . ENERGY COST OF ECONOMY PURCHASES	382,864	344,471	38,393	11.2	33,212,083	18,214,728	14,997,355	82.3
5 . TOTAL FUEL & NET POWER TRANSACTIONS	164,219,801	118,676,544	45,543,256	38.4	1,638,412,129	1,476,909,402	161,502,727	10.9
6 . ADJUSTMENTS TO FUEL COST:								
6a. FUEL COST OF STRATIFIED SALES	(8,299,308)	(5,669,617)	(2,629,691)	46.4	(92,254,109)	(74,904,573)	(17,349,536)	23.2
6b. OTHER- JURISDICTIONAL ADJUSTMENTS (see detail below)	(6,133,298)	1,080,232	(7,213,530)	(667.8)	6,040,392	14,226,820	(8,186,428)	(57.5)
6c. OTHER - PRIOR PERIOD ADJUSTMENT	0	0	0	0.0	0	0	0	0.0
7 . ADJUSTED TOTAL FUEL & NET PWR TRNS	\$149,787,195	\$114,087,160	\$35,700,035	31.3	\$1,552,198,412	\$1,416,231,649	\$135,966,763	9.6

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)	100	0	100	6,090	0	6,090	
WHOLESALE ALLOCATION ADJUSTMENT	0	0	0	0	0	0	
TANK BOTTOM ADJUSTMENT	0	0	0	(991,828)	0	(991,828)	
AERIAL SURVEY ADJUSTMENT (Coal Pile)	0	0	0	1,936,195	0	1,936,195	
FPD AGREEMENT TERMINATION	1,081,097	0	1,081,097	12,143,033	0	12,143,033	
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	
CR4 OUTAGE REPLACEMENT POWER **	(7,214,495)	0	(7,214,495)	(7,214,495)	0	(7,214,495)	
Derivative Collateral Interest	0	0	0	0	0	0	
SUBTOTAL LINE 6b SHOWN ABOVE	(\$6,133,298)	\$0	(\$6,133,298)	\$6,040,392	\$0	\$6,040,392	

** Represents \$7,207,280.38 retail as approved at 12/7/2021 Commission agenda grossed up by 99.90% November jurisdictional factor.

B. KWH SALES

1 . JURISDICTIONAL SALES	2,547,394,178	2,990,538,669	(443,144,491)	(14.8)	36,281,853,573	36,481,003,340	(199,149,766)	(0.6)
2 . NON JURISDICTIONAL (WHOLESALE) SALES	2,538,403	691,800	1,846,603	266.9	227,850,698	172,168,626	55,682,072	32.3
3 . TOTAL SALES	2,549,932,581	2,991,230,469	(441,297,888)	(14.8)	36,509,704,271	36,653,171,966	(143,467,694)	(0.4)
4 . JURISDICTIONAL SALES % OF TOTAL SALES	99.90	99.98	(0.08)	(0.1)	99.38	99.53	(0.15)	(0.2)

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

	CURRENT MONTH				YEAR TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT
C. TRUE UP CALCULATION								
1. JURISDICTIONAL FUEL REVENUE	\$88,131,897	\$105,017,236	(\$16,885,340)	(16.1)	\$1,160,412,698	\$1,164,989,810	(\$4,577,112)	(0.4)
2. ADJUSTMENTS:	0	0	0	0.0	0	0	0	0.0
2a. TRUE UP PROVISION	(8,077,661)	(8,077,661)	0	0.0	29,657,247	29,657,243	4	0.0
2b. INCENTIVE PROVISION	(367,309)	(367,309)	(0)	0.0	(4,040,403)	(4,040,399)	(4)	0.0
3. TOTAL JURISDICTIONAL FUEL REVENUE	79,686,927	96,572,266	(16,885,340)	(17.5)	1,186,029,542	1,190,606,654	(4,577,112)	(0.4)
4. ADJ TOTAL FUEL & NET PWR TRNS (LINE A7)	149,787,195	114,087,160	35,700,035	31.3	1,552,198,412	1,416,231,649	135,966,763	9.6
5. JURISDICTIONAL SALES % OF TOT SALES (LINE B4)	99.90	99.98	(0.08)	(0.1)	99.38	99.53	(0.15)	(0.2)
6. JURISDICTIONAL FUEL & NET POWER TRANSACTIONS (LINE C4 * LINE C5 * 1.00031 LOSS MULTIPLIER)	149,679,306	114,096,280	35,583,026	31.2	1,542,668,050	1,409,510,864	133,157,186	9.5
7. TRUE UP PROVISION FOR THE MONTH OVER/(UNDER) COLLECTION (LINE C3 - C6)	(69,992,380)	(17,524,014)	(52,468,366)	299.4	(356,638,509)	(218,904,210)	(137,734,299)	62.9
8. INTEREST PROVISION FOR THE MONTH (LINE D10)	(26,705)	(13,336)	(13,369)	100.2	(80,036)	(66,315)	(13,721)	20.7
9. TRUE UP & INTEREST PROVISION BEG OF MONTH/PERIOD	(302,854,780)	(217,588,492)	(85,266,288)	39.2	21,579,587	21,579,587	0	0.0
10. TRUE UP COLLECTED (REFUNDED)	8,077,661	8,077,661	(0)	0.0	(29,657,247)	(29,657,243)	(4)	0.0
11. END OF PERIOD TOTAL NET TRUE UP (LINES C7 + C8 + C9 + C10)	(364,796,204)	(227,048,182)	(137,748,023)	60.7	(364,796,204)	(227,048,182)	(137,748,023)	60.7
12. OTHER:	0				0		0	
13. END OF PERIOD TOTAL NET TRUE UP (LINES C11 + C12)	(\$364,796,204)	(227,048,182)	(137,748,023)	60.7	(\$364,796,204)	(227,048,182)	(137,748,023)	60.7
D. INTEREST PROVISION								
1. BEGINNING TRUE UP (LINE C9)	(\$302,854,780)	N/A	--	--				
2. ENDING TRUE UP (LINES C7 + C9 + C10 + C12)	(364,769,499)	N/A	--	--				
3. TOTAL OF BEGINNING & ENDING TRUE UP	(667,624,280)	N/A	--	--				
4. AVERAGE TRUE UP (50% OF LINE D3)	(333,812,140)	N/A	--	--				
5. INTEREST RATE - FIRST DAY OF REPORTING MONTH	0.080	N/A	--	--				
6. INTEREST RATE - FIRST DAY OF SUBSEQUENT MONTH	0.110	N/A	--	--				
7. TOTAL (LINE D5 + LINE D6)	0.190	N/A	--	--				
8. AVERAGE INTEREST RATE (50% OF LINE D7)	0.095	N/A	--	--				
9. MONTHLY AVERAGE INTEREST RATE (LINE D8/12)	0.008	N/A	--	--				
10. INTEREST PROVISION (LINE D4 * LINE D9)	(\$26,705)	N/A	--	--				

A-3 Generating System Comparative Data Report

Report Period : 11/1/2021 to 11/1/2021

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	725,594	732,437	(6,843)	(0.9 %)
3 - COAL	4,296,793	12,580,780	(8,283,987)	(65.8 %)
4 - GAS	151,666,619	94,506,515	57,160,104	60.5 %
5 - NUCLEAR	0	0	0	0.0 %
6	0	0	0	0.0 %
7	0	0	0	0.0 %
8 - TOTAL (\$)	156,689,007	107,819,732	48,869,275	45.3 %
SYSTEM NET GENERATION (MWH)				
9 - HEAVY OIL	0	0	0	0.0 %
10 - LIGHT OIL	2,710	3,205	(495)	(15.4 %)
11 - COAL	106,408	435,206	(328,798)	(75.5 %)
12 - GAS	2,603,231	2,308,990	294,241	12.7 %
13 - NUCLEAR	0	0	0	0.0 %
14 - SOLAR	72,428	85,549	(13,121)	(15.3 %)
15	0	0	0	0.0 %
16 - TOTAL (MWH)	2,784,777	2,832,950	(48,173)	(1.7 %)
UNITS OF FUEL BURNED				
17 - HEAVY OIL (BBL)	0	0	0	0.0 %
18 - LIGHT OIL (BBL)	6,775	6,533	242	3.7 %
19 - COAL (TON)	56,913	186,275	(129,362)	(69.4 %)
20 - GAS (MCF)	19,572,939	16,676,004	2,896,935	17.4 %
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	38,900	38,050	850	2.2 %
26 - COAL	1,347,131	4,355,255	(3,008,124)	(69.1 %)
27 - GAS	20,067,303	16,676,004	3,391,299	20.3 %
28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (MILLION BTU)	21,453,334	21,069,309	384,025	1.8 %
GENERATION MIX (% MWH)				
32 - HEAVY OIL	0.0	0.00	0.0	0.0 %
33 - LIGHT OIL	0.1	0.11	(0.0)	(14.0 %)
34 - COAL	3.8	15.36	(11.5)	(75.1 %)
35 - GAS	93.5	81.50	12.0	14.7 %
36 - NUCLEAR	0.0	0.00	0.0	0.0 %
37 - SOLAR	2.6	3.02	(0.4)	(13.9 %)
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 %

A-3 Generating System Comparative Data Report

Report Period : 11/1/2021 to 11/1/2021

Duke Energy Florida, LLC

41 - LIGHT OIL (\$/BBL)	107.10	112.11	(5.01)	(4.5 %)
42 - COAL (\$/TON)	75.50	67.54	7.96	11.8 %
43 - GAS (\$/MCF)	7.75	5.67	2.08	36.7 %
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	18.65	19.25	(0.60)	(3.1 %)
49 - COAL	3.19	2.89	0.30	10.4 %
50 - GAS	7.56	5.67	1.89	33.4 %
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)	7.30	5.12	2.19	42.7 %
BTU BURNED PER KWH (BTU/KWH)				
55 - HEAVY OIL	0	0	0	0.0 %
56 - LIGHT OIL	14,353	11,872	2,481	20.9 %
57 - COAL	12,660	10,007	2,653	26.5 %
58 - GAS	7,709	7,222	486	6.7 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %
62 - SYSTEM (BTU/KWH)	7,704	7,437	267	3.6 %
GENERATED FUEL COST PER KWH (CENTS/KWH)				
63 - HEAVY OIL	0.00	0.00	0.00	0.0 %
64 - LIGHT OIL	26.77	22.85	3.92	17.1 %
65 - COAL	4.04	2.89	1.15	39.7 %
66 - GAS	5.83	4.09	1.73	42.3 %
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)	5.63	3.81	1.82	47.8 %

A-3 Generating System Comparative Data Report

Report Period : 1/1/2021 to 11/1/2021

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	21,402,471	28,343,088	(6,940,617)	(24.5 %)
3 - COAL	160,470,211	192,136,814	(31,666,603)	(16.5 %)
4 - GAS	1,237,310,207	1,072,836,409	164,473,798	15.3 %
5 - NUCLEAR	0	0	0	0.0 %
6	0	0	0	0.0 %
7	0	0	0	0.0 %
8 - TOTAL (\$)	1,419,182,889	1,293,316,311	125,866,578	9.7 %
SYSTEM NET GENERATION (MWH)				
9 - HEAVY OIL	0	0	0	0.0 %
10 - LIGHT OIL	60,196	95,402	(35,206)	(36.9 %)
11 - COAL	4,960,334	6,376,776	(1,416,442)	(22.2 %)
12 - GAS	31,637,870	30,103,601	1,534,269	5.1 %
13 - NUCLEAR	0	0	0	0.0 %
14 - SOLAR	874,407	946,998	(72,591)	(7.7 %)
15	0	0	0	0.0 %
16 - TOTAL (MWH)	37,532,807	37,522,777	10,030	0.0 %
UNITS OF FUEL BURNED				
17 - HEAVY OIL (BBL)	0	0	0	0.0 %
18 - LIGHT OIL (BBL)	183,698	263,692	(79,994)	(30.3 %)
19 - COAL (TON)	2,349,478	2,890,368	(540,890)	(18.7 %)
20 - GAS (MCF)	234,716,775	222,234,151	12,482,624	5.6 %
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	1,053,928	1,523,512	(469,584)	(30.8 %)
26 - COAL	52,983,661	65,584,882	(12,601,221)	(19.2 %)
27 - GAS	240,538,726	225,743,063	14,795,663	6.6 %
28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (MILLION BTU)	294,576,314	292,851,457	1,724,857	0.6 %
GENERATION MIX (% MWH)				
32 - HEAVY OIL	0.0	0.00	0.0	0.0 %
33 - LIGHT OIL	0.2	0.25	(0.1)	(36.9 %)
34 - COAL	13.2	16.99	(3.8)	(22.2 %)
35 - GAS	84.3	80.23	4.1	5.1 %
36 - NUCLEAR	0.0	0.00	0.0	0.0 %
37 - SOLAR	2.3	2.52	(0.2)	(7.7 %)
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 11/1/2021

Duke Energy Florida, LLC

41 - LIGHT OIL (\$/BBL)	116.51	107.49	9.02	8.4 %
42 - COAL (\$/TON)	68.30	66.47	1.83	2.7 %
43 - GAS (\$/MCF)	5.27	4.83	0.44	9.2 %
44 - NUCLEAR (\$/MBTU)	0.00	0.00	0.00	0.0 %
45	0.00	0.00	0.00	0.0 %
46	0.00	0.00	0.00	0.0 %
FUEL COST PER MILLION BTU (\$/MILLION BTU)				
47 - HEAVY OIL	0.00	0.00	0.00	0.0 %
48 - LIGHT OIL	20.31	18.60	1.70	9.2 %
49 - COAL	3.03	2.93	0.10	3.4 %
50 - GAS	5.14	4.75	0.39	8.2 %
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)	4.82	4.42	0.40	9.1 %
BTU BURNED PER KWH (BTU/KWH)				
55 - HEAVY OIL	0	0	0	0.0 %
56 - LIGHT OIL	17,508	15,969	1,539	9.6 %
57 - COAL	10,681	10,285	397	3.9 %
58 - GAS	7,603	7,499	104	1.4 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %
62 - SYSTEM (BTU/KWH)	7,849	7,805	44	0.6 %
GENERATED FUEL COST PER KWH (CENTS/KWH)				
63 - HEAVY OIL	0.00	0.00	0.00	0.0 %
64 - LIGHT OIL	35.55	29.71	5.85	19.7 %
65 - COAL	3.24	3.01	0.22	7.4 %
66 - GAS	3.91	3.56	0.35	9.7 %
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)	3.78	3.45	0.33	9.7 %

A-4 System Net Generation and Fuel Cost Report

Report Period : 11/1/2021 to 11/1/2021

Duke Energy Florida, LLC

A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT	NET CAP (MW)	NET GENERATION (MWH)	CAP FAC.	EQUIV AVAIL FAC(%)	NET OUTPUT FAC(%)	AVE NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURN (UNITS)	FUEL HEAT VALUE (MMBTU/UNIT)	FUEL BURNED (MMBTU)	AS BURNED FUEL COST (\$)	FUEL COST PER KWH (CENTS/KWH)	FUEL COST PER UNIT (\$)
Solar													
Columbia Solar 1													
TOTAL CSF 1	75	10,455.00	19							0	0	0.000	
Debary Solar 1													
TOTAL DSF 1	74	9,748.00	18							0	0	0.000	
Duette Solar													
TOTAL UNIT 1	74	10,107.00	19							0	0	0.000	
Hamilton Solar Facility													
TOTAL HSF 1	75	10,540.00	20							0	0	0.000	
Lake Placid Solar Facility													
TOTAL LKP 1	45	5.00	0							0	0	0.000	
Osceola Solar Facility 1													
TOTAL UNIT 1	4	477.00	17							0	0	0.000	
Perry Solar Facility 1													
TOTAL UNIT 1	5	0.00								0	0	0.000	
Santa Fe Solar Facility													
TOTAL Unit 1	75	10,342.00	19							0	0	0.000	
Suwanee Solar Facility													
TOTAL UNIT 1	9	1,504.00	23							0	0	0.000	
Trenton Solar Facility													
TOTAL TRN 1	75	8,245.00	15							0	0	0.000	
Twin Rivers Solar Facility													
TOTAL Unit 1	75	10,952.00	20							0	0	0.000	
St. Pete Pier													
	0.35	52.89	21							0	0	0.000	
TOTAL Solar	587	72,427.89				0				0	0	0.000	
Steam													
Anclote													
		66,080.00					Gas	736,262	1.024	753,932	5,887,214	8.909	7.996
TOTAL UNIT 1	521	66,080.00	18			11,409				753,932	5,887,214	8.909	
		58,406.00					Gas	692,347	1.024	708,963	5,536,066	9.479	7.996
TOTAL UNIT 2	514	58,406.00	16			12,139				708,963	5,536,066	9.479	
Crystal River 4 & 5													
		106,408.00					Coal	56,913	23.670	1,347,131	4,296,793	4.038	75.498
		0.00					No 2	557	5.726	3,189	63,565	0.000	114.119
TOTAL UNIT 4	721	106,408.00	20			12,690				1,350,320	4,360,358	4.098	
TOTAL UNIT 5		0.00				0				0	0	0.000	
TOTAL Steam	1,756	230,894.00				12,184				2,813,215	15,783,639	6.836	
Gas Turbine													
Bartow Combined Cycle													
		302,897.00					Gas	2,946,762	1.019	3,002,751	21,867,675	7.220	7.421
TOTAL BCC	1,259	302,897.00	33			9,913				3,002,751	21,867,675	7.220	
Bartow Peaker													
		87.36					No 2	219	5.704	1,249	26,150	29.934	119.406
		334.64					Gas	4,673	1.024	4,785	37,300	11.146	7.982
TOTAL BAP	170	422.00	0			14,299				6,034	63,449	15.035	
Citrus County													
		1,106,375.00					Gas	7,303,417	1.028	7,507,914	59,294,568	5.359	8.119
TOTAL CCCC	1,884	1,106,375.00	82			6,786				7,507,914	59,294,568	5.359	
Debary Peaker													

A-4 System Net Generation and Fuel Cost Report

Report Period : 11/1/2021 to 11/1/2021

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 (\$)
		1,389.89					No 2	3,287	5,766	18,953	375,189	26.994	114.143
TOTAL DEP	383	4,041.11	2			13,636	Gas	53,814	1,024	55,106	430,182	10.645	7.994
Hines Energy		5,431.00								74,058	805,371	14.829	
TOTAL HEP	2,166	932,151.00	60			7,337	Gas	6,672,323	1,025	6,839,131	50,719,224	5.441	7.601
Intercession City Peaker		932,151.00								6,839,131	50,719,224	5.441	
TOTAL ICP	759	1,188.91	1			12,463	No 2	2,594	5,712	14,817	249,747	21.006	96.279
Osprey		3,789.78					Gas	45,989	1,027	47,231	337,610	8.908	7.341
TOTAL OSP	569	4,979.00					Gas	258,779	1,027	265,766	1,907,205	4.885	7.370
Suwannee Peaker		39,041.00	10			6,807				265,766	1,907,205	4.885	
TOTAL SRP	203	44.04	1			15,720	No 2	119	5,817	692	10,944	24.853	91.968
Tiger Bay Cogen		978.76					Gas	15,011	1,025	15,386	118,911	12.149	7.922
TOTAL TBP	224	1,023.00					Gas	405,856	1,027	416,814	3,028,054	5.694	7.461
Univ of Florida Cogen		53,183.00	33			7,837				416,814	3,028,054	5.694	
TOTAL UFP	50	0.00					No 2	0	0.000	0	0	0.000	0.000
TOTAL Gas Turbine	7,667	35,954.10	100			12,503	Gas	437,706	1,027	449,524	2,502,610	6.961	5.718
SYSTEM TOTAL	10,009	2,481,456.00				7,704				18,640,119	140,905,368	5.678	
SYSTEM TOTAL	10,009	2,784,777.48				7,704				21,453,334	156,689,007	5.627	

A-4 System Net Generation and Fuel Cost Report

Report Period : 1/1/2021 to 11/1/2021

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	154,032.00	26			0				0	0	0.000		
Debary Solar 1														
TOTAL DSF 1	74	124,270.00	21			0				0	0	0.000		
Duette Solar														
TOTAL UNIT 1	74	14,011.00	13			0				0	0	0.000		
Hamilton Solar Facility														
TOTAL HSF 1	75	141,495.00	24			0				0	0	0.000		
Lake Placid Solar Facility														
TOTAL LKP 1	45	53,312.00	15			0				0	0	0.000		
Osceola Solar Facility 1														
TOTAL UNIT 1	4	5,336.00	17			0				0	0	0.000		
Perry Solar Facility 1														
TOTAL UNIT 1	5	5,961.00	15			0				0	0	0.000		
Santa Fe Solar Facility														
TOTAL Unit 1	75	129,496.00	26			0				0	0	0.000		
Suwanee Solar Facility														
TOTAL UNIT 1	9	15,884.00	22			0				0	0	0.000		
Trenton Solar Facility														
TOTAL TRN 1	75	152,647.00	25			0				0	0	0.000		
Twin Rivers Solar Facility														
TOTAL Unit 1	75	77,504.00	16			0				0	0	0.000		
St. Pete Pier														
TOTAL UNIT 1	0.35	458.85	16			0				0	0	0.000		
TOTAL Solar Steam Ancloste														
TOTAL UNIT 1	587	874,406.85				0				0	0	0.000		
		952,818.00					Gas	10,231,250	1.026	10,494,542	56,199,592	5.898	5.493	
TOTAL UNIT 1	521	952,818.00	23			11,014				10,494,542	56,199,592	5.898		
		1,065,684.00					Gas	11,938,925	1.026	12,251,535	65,124,333	6.111	5.455	
TOTAL UNIT 2	514	1,065,684.00	26			11,496				12,251,535	65,124,333	6.111		
Crystal River 4 & 5														
		2,116,407.00					Coal	1,011,400	22.653	22,911,129	68,266,679	3.226	67.497	
		0.00					No 2	24,808	5.732	142,207	3,372,798	0.000	134.512	
TOTAL UNIT 4	721	2,116,407.00	37			10,893				23,053,335	71,639,476	3.383		
		2,843,927.00					Coal	1,338,078	22.474	30,072,532	92,203,532	3.242	68.907	
		0.00					No 2	20,114	5.727	115,192	2,770,291	0.000	136.262	
TOTAL UNIT 5	721	2,843,927.00	49			10,615				30,187,724	94,973,824	3.338		
TOTAL Steam	1,756	6,978,836.00				10,888				75,987,136	287,937,225	4.125		
Gas Turbine														
Bartow Combined Cycle														
TOTAL BCC	1,259	4,799,287.00	48			7,765		Gas	36,500,542	1.021	37,264,921	176,282,988	3.673	4.830
		4,799,287.00								37,264,921	176,282,988	3.673		
Bartow Peaker														
		8,951.18					No 2	23,965	5.712	136,886	2,649,907	29.289	109.399	
		23,575.82					Gas	351,602	1.025	360,534	1,783,941	7.567	5.074	
TOTAL BAP	223	32,527.00	2			15,293				497,421	4,433,848	13.545		
Bayboro Peaker														

A-4 System Net Generation and Fuel Cost Report

Report Period : 1/1/2021 to 11/1/2021

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	5,256.00	0			8,481	No 2	7,805	5.711	44,576	1,034,330	19.300	129.971
Citrus County		5,256.00								44,576	1,034,330	19.300	
TOTAL CCCC	1,884	9,998,115.00	66			6,805	Gas	66,143,975	1.029	68,032,372	390,421,186	3.905	5.903
Debary Peaker		9,998,115.00								68,032,372	390,421,186	3.905	
TOTAL DEP	707	25,020.08 130,802.92 155,823.00	3			13,977	No 2 Gas	60,632 1,779,150	5.768 1.028	349,706 1,828,234 2,177,940	6,997,201 9,335,972 16,333,173	27.669 7.137 10.434	114.178 5.247
Hines Energy		10,428,243.00					Gas	73,938,614	1.023	75,654,547	373,090,863	3.578	5.046
TOTAL HEP	2,167	10,428,243.00	60			7,255				75,654,547	373,090,863	3.578	
Intercession City Peaker		19,116.38 340,089.09 359,205.47	4			13,332	No 2 Gas	41,863 4,406,378	5.712 1.028	239,120 4,527,581 4,766,702	4,158,620 21,065,885 25,224,505	22.940 6.203 7.043	98.283 4.781
TOTAL ICP	1,198	2,408,886.00 2,408,886.00	53			7,274	Gas	17,117,253	1.024	17,521,569	82,161,812	3.411	4.800
Osprey		2,408,886.00								17,521,569	82,161,812	3.411	
TOTAL OSP	569	1,851.94 55,308.86 57,160.80	4			14,246	No 2 Gas	4,511 767,437	5.817 1.027	26,240 787,937 814,177	419,324 4,220,600 4,639,924	22.523 7.631 8.111	91.968 5.500
Suwannee Peaker		1,851.94					No 2	4,511	5.817	26,240	419,324	22.523	91.968
TOTAL SRP	203	55,308.86 57,160.80	4			14,246	Gas	767,437	1.027	787,937 814,177	4,220,600 4,639,924	7.631 8.111	5.500
Tiger Bay Cogen		1,120,546.00					Gas	8,454,673	1.023	8,645,441	41,871,626	3.737	4.952
TOTAL TBP	224	1,120,546.00	62			7,715				8,645,441	41,871,626	3.737	
Univ of Florida Cogen		0.00					No 2	0	0.000	0	0	0.000	0.000
TOTAL UFP	50	314,515.20 314,515.00	78			10,077	Gas	3,086,977	1.027	3,169,512 3,169,512	15,751,408 15,751,408	5.008	5.103
TOTAL Gas Turbine	8,722	29,679,564.00				7,365				218,589,178	1,131,245,664	3.812	
SYSTEM TOTAL	11,064	37,532,806.85				7,849				294,576,314	1,419,182,889	3.781	

A-5 System Generation Fuel Cost Report

Report Period : 11/1/2021 to 11/1/2021

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)	7,469	6,533	936	14.3%
20 - UNIT COST (\$/BBL)	107.92	112.11	(4.19)	(3.7%)
21 - AMOUNT (\$)	806,083	732,437	73,646	10.1%
22 - BURNED				
23 - UNITS (BBL)	6,775	6,533	242	3.7%
24 - UNIT COST (\$/BBL)	107.10	112.11	(5.01)	(4.5%)
25 - AMOUNT (\$)	725,594	732,437	(6,843)	(0.9%)
26 - ADJUSTMENTS				
27 - UNITS (BBL)	0			
28 - AMOUNT (\$)	0			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	440,951	431,972	8,979	2.1%
31 - UNIT COST (\$/BBL)	106.09	109.46	(3.37)	(3.1%)
32 - AMOUNT (\$)	46,781,343	47,283,848	(502,505)	(1.1%)
33 -				
34 - DAYS SUPPLY	1,953	1,984	(31)	(1.6%)

A-5 System Generation Fuel Cost Report

Report Period : 11/1/2021 to 11/1/2021

Duke Energy Florida, LLC

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	226,473	186,275	40,198	21.6%
37 - UNIT COST (\$/TON)	70.68	67.54	3.14	4.6%
38 - AMOUNT (\$)	16,006,617	12,580,780	3,425,837	27.2%
39 - BURNED				
40 - UNITS (TON)	56,913	186,275	(129,362)	(69.4%)
41 - UNIT COST (\$/TON)	75.50	67.54	7.96	11.8%
42 - AMOUNT (\$)	4,296,793	12,580,780	(8,283,987)	(65.8%)
43 - ADJUSTMENTS				
44 - UNITS (TON)	0			
45 - AMOUNT (\$)	0			
46 - ENDING INVENTORY				
47 - UNITS (TON)	536,876	351,644	185,232	52.7%
48 - UNIT COST (\$/TON)	75.50	63.96	11.54	18.0%
49 - AMOUNT (\$)	40,532,872	22,490,179	18,042,693	80.2%
50 -				
51 - DAYS SUPPLY	283	57	226	399.7%
GAS				
52 - BURNED				
53 - UNITS (MCF)	19,572,939	16,676,004	2,896,935	17.4%
54 - UNIT COST (\$/MCF)	7.75	5.67	2.08	36.7%
55 - AMOUNT (\$)	151,666,619	94,506,515	57,160,104	60.5%
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 11/1/2021

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)	76,483	162,454	(85,971)	(52.9%)
20 - UNIT COST (\$/BBL)	121.72	109.23	12.49	11.4%
21 - AMOUNT (\$)	9,309,346	17,744,296	(8,434,950)	(47.5%)
22 - BURNED				
23 - UNITS (BBL)	183,698	263,692	(79,994)	(30.3%)
24 - UNIT COST (\$/BBL)	116.51	107.49	9.02	8.4%
25 - AMOUNT (\$)	21,402,471	28,343,088	(6,940,617)	(24.5%)
26 - ADJUSTMENTS				
27 - UNITS (BBL)	10,145			
28 - AMOUNT (\$)	991,828			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	440,951	431,972	8,979	2.1%
31 - UNIT COST (\$/BBL)	106.09	109.46	(3.37)	(3.1%)
32 - AMOUNT (\$)	46,781,343	47,283,848	(502,505)	(1.1%)
33 -				
34 - DAYS SUPPLY	0	0	0	0.0%

A-5 System Generation Fuel Cost Report

Report Period : 1/1/2021 to 11/1/2021

Duke Energy Florida, LLC

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	2,358,869	2,714,527	(355,658)	(13.1%)
37 - UNIT COST (\$/TON)	69.05	65.02	4.03	6.2%
38 - AMOUNT (\$)	162,880,753	176,504,663	(13,623,910)	(7.7%)
39 - BURNED				
40 - UNITS (TON)	2,349,478	2,890,368	(540,890)	(18.7%)
41 - UNIT COST (\$/TON)	68.30	66.47	1.83	2.7%
42 - AMOUNT (\$)	160,470,211	192,136,814	(31,666,603)	(16.5%)
43 - ADJUSTMENTS				
44 - UNITS (TON)	(26,652)			
45 - AMOUNT (\$)	(1,936,195)			
46 - ENDING INVENTORY				
47 - UNITS (TON)	536,876	351,644	185,232	52.7%
48 - UNIT COST (\$/TON)	75.50	63.96	11.54	18.0%
49 - AMOUNT (\$)	40,532,872	22,490,179	18,042,693	80.2%
50 -				
51 - DAYS SUPPLY	0	0	0	0.0%
GAS				
52 - BURNED				
53 - UNITS (MCF)	234,716,775	222,234,151	12,482,624	5.6%
54 - UNIT COST (\$/MCF)	5.27	4.83	0.44	9.2%
55 - AMOUNT (\$)	1,237,310,207	1,072,836,409	164,473,798	15.3%
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
November 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		18,204		18,204	3.889	4.943	707,988.00	899,866.00	191,878.00
ACTUAL									
Exelon Generation Company, LLC	InternationalSwapsDe	3,978		3,978	3.304	4.082	131,418.61	162,382.34	30,963.73
Florida Municipal Power Agency	CR-1	2,410		2,410	3.574	5.009	86,183.00	120,724.40	34,541.40
Macquarie Energy LLC		9,124		9,124	3.604	4.712	328,802.34	429,891.02	101,088.68
Morgan Stanley Capital Group Inc.	EEl	7,456		7,456	3.923	4.945	292,476.47	368,664.69	76,188.22
Orlando Utilities Commission	Schedule OS	125		125	3.350	4.660	4,188.00	5,825.00	1,637.00
PJM Settlements, Inc	MR1	10,477		10,477	3.665	6.548	384,030.32	686,054.96	302,024.64
Reedy Creek Improvement District	CR-1	8,850		8,850	3.188	3.706	282,105.00	328,004.85	45,899.85
Southern Company Services, Inc.	EEl	988		988	3.390	4.826	33,490.00	47,676.00	14,186.00
Tampa Electric Company	CR-1	2,625		2,625	3.981	4.902	104,504.00	128,688.36	24,184.36
Tennessee Valley Authority	MR1	100		100	4.942	5.600	4,942.00	5,599.84	657.84
The Energy Authority	Schedule OS	12,760		12,760	3.293	3.880	420,230.80	495,136.80	74,906.00
Adjustments:									
Reedy Creek Improvement District								1,560.00	1,560.00
Macquarie Energy LLC		(157)		(157.00)	4.315	6.48	(6,774.40)	(10,166.58)	(3,392.18)
PJM Settlements								(4.38)	(4.38)
Tampa Electric Company								37,364.81	37,364.81
Subtotal - Gain on Other Power Sales		58,736	-	58,736	3.517	4.780	2,065,596.14	2,807,402.11	741,805.97
CURRENT MONTH TOTAL		58,736		58,736	3.517	4.780	2,065,596.14	2,807,402.11	741,805.97
DIFFERENCE		40,532		40,532	(0.372)	(0.164)	1,357,608.14	1,907,536.11	549,927.97
DIFFERENCE %		222.66		222.66	(9.58)	(3.31)	191.76	211.98	286.60
CUMULATIVE ACTUAL		312,919		312,919	2.605	3.207	8,150,342.84	10,036,661.12	1,886,318.28
CUMULATIVE ESTIMATED		214,188		214,188	2.413	2.970	5,168,500.00	6,362,112.00	1,193,612.00
DIFFERENCE		98,731		98,731	0.192	0.237	2,981,842.84	3,674,549.12	692,706.28
DIFFERENCE %		46.10		46.10	7.94	7.98	57.69	57.76	58.03

DUKE ENERGY FLORIDA, LLC
SCHEDULE A7

PURCHASED POWER
EXCLUSIVE OF ECONOMY PURCHASES
FOR THE MONTH OF:
November, 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		17,848			17,848	9.329	9.329	1,665,071.00	1,665,071.00
ACTUAL									
Shady Hills Power Company, LLC	TOLL	1,035			1,035	11.792	11.792	122,042.65	122,042.65
Vandolah Power Co. LLC (Northern Star)	TOLL	17,511			17,511	11.598	11.598	2,030,857.57	2,030,857.57
ADJUSTMENTS									
Shady Hills Power Company, LLC	TOLL	38			38	30.764	30.764	11,690.16	11,690.16
Vandolah Power Co. LLC (Northern Star)	TOLL	53			53	(27.173)	(27.173)	(14,401.65)	(14,401.65)
CURRENT MONTH TOTAL		18,637			18,637	11.537	11.537	2,150,188.73	2,150,188.73
DIFFERENCE		789			789	2.208	2.208	485,117.73	485,117.73
DIFFERENCE %		4			4	23.668	23.668	29.13	29.13
CUMULATIVE ACTUAL		1,574,690			1,574,690	3.830	3.830	104,856,731.95	104,856,731.95
CUMULATIVE ESTIMATED		1,209,273			1,209,273	6.248	6.248	75,555,647.00	75,555,647.00
DIFFERENCE		365,417			365,417	(2.418)	(2.418)	29,301,084.95	29,301,084.95
DIFFERENCE %		30			30	(38.701)	(38.701)	38.78	38.78

DUKE ENERGY FLORIDA, LLC
SCHEDULE A8

ENERGY PAYMENT TO QUALIFYING FACILITIES
FOR THE MONTH OF:
NOVEMBER, 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		224,068	-	-	224,068	4.350	17.130	9,747,136.45
ACTUAL								
Citrus World (CITRUS) ADJ	CO-GEN	-	-	-	-	-	0.000	- (2.31)
Lake County (LAKCOUNT) ADJ	CO-GEN	489	-	-	489	5.205	5.205	25,450.04 2,016.33
Lee County (LEECOGAS) ADJ	CO-GEN	158	-	-	158	3.683	3.683	5,819.01 (2,000.55)
Metro-Dade County (METRDDAS) ADJ	CO-GEN	-	-	-	-	-	0.000	- 1,937.67
Orange Cogen (ORANGEAS) ADJ	CO-GEN	2,421	-	-	2,421	4.244	4.244	102,736.71 413.29
Orange Cogen (ORANGECO) ADJ	CO-GEN	29,054	-	-	29,054	4.204	25.606	1,221,559.31 29,043.86
Orlando Cogen Limited (ORLACOGL) ADJ	CO-GEN	78,625	-	-	78,625	5.596	13.673	4,400,091.38 124,547.59
Pasco County Resource Recovery (PASCOUNT) ADJ	CO-GEN	15,847	-	-	15,847	2.918	17.097	462,466.11 (37,387.03)
PCS Phosphate (OCSWFCRK) ADJ	CO-GEN	334	-	-	334	5.381	5.381	17,991.43 15,517.09
Pinellas County Resource Recovery (PINCOUNT) ADJ	CO-GEN	8,638 (1,108)	-	-	8,638 (1,108)	2.918	64.451	252,084.45 (122,596.09)
Polk Power Partners, L.P. (MULBERRY) ADJ	CO-GEN	34,389	-	-	34,389	3.429	28.408	1,179,287.20 91,754.71
CURRENT MONTH TOTAL		169,132			169,132	4.594	21.525	7,770,730.21
DIFFERENCE		(54,936)			(54,936)	0.244	4.395	(1,976,406.24)
DIFFERENCE %		(24.52)			(24.52)	5.62	25.66	(20.28)
CUMULATIVE ACTUAL		2,200,915			2,200,915	4.142	18.453	91,162,673.24
CUMULATIVE ESTIMATED		2,304,436			2,304,436	4.174	17.843	96,184,828.76
CUMULATIVE DIFFERENCE		(103,521)			(103,521)	(0.032)	0.611	(5,022,155.52)
CUMULATIVE DIFFERENCE %		(4.49)			(4.49)	(0.76)	3.42	(5.22)

DUKE ENERGY FLORIDA, LLC
SCHEDULE A9

ECONOMY ENERGY PURCHASES
INCLUDING LONG TERM PURCHASES
FOR THE MONTH OF:
NOVEMBER, 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		7,466	4.614	344,471	5.273	393,703.00	49,232.00
ACTUAL:							
SubTotal - Energy Purchases (Broker)		-		-		-	-
SEPA	Hydro	1,079	4.059	43,779.60	4.059	43,779.60	
Exelon Generation Company, LLC	InternationalSwapsDe	600	5.200	31,200.00	6.022	36,132.00	4,932.00
Florida Power & Light Company Transmission	Transmission Purchase	-	0.000	7,683.97	0.000	-	(7,683.97)
Florida Power & Light Company		1,400	4.821	67,500.00	5.904	82,658.00	15,158.00
Jacksonville Electric Authority	Transmission Purchase	-	0.000	5,598.72	0.000	-	(5,598.72)
Orlando Utilities Commission	Schedule OS	200	5.300	10,600.00	5.677	11,354.00	754.00
Seminole Electric Cooperative, Inc.	Transmission Purchase	-	0.000	3,516.96	0.000	-	(3,516.96)
South Carolina Public Service Authority	Transmission Purchase	-	0.000	296.40	0.000	-	(296.40)
Southern Company Services, Inc.	EEl	1,020	5.647	57,600.00	6.746	68,808.00	11,208.00
Southern Company Services, Inc. Transmission	Transmission Purchase	-		65,813.63		-	(65,813.63)
Tennessee Valley Authority Transmission	Transmission Purchase	-		21,328.81		-	(21,328.81)
ADJUSTMENTS							
Florida Power & Light Company		300.00		12,009.57			(12,009.57)
Jacksonville Electric Authority				1,202.15			(1,202.15)
PJM Settlements				6,117.05			(6,117.05)
Tampa Electric Company				48,617.31			(48,617.31)
SubTotal - Energy Purchases (Non-Broker)		4,599	8.326	382,864.17	5.278	242,731.60	(140,132.57)
CURRENT MONTH TOTAL		4,599	8.326	382,864.17	5.278	242,731.60	(140,132.57)
DIFFERENCE		(2,868)	3.712	38,393.17	0.005	(150,971.40)	(189,364.57)
DIFFERENCE %		(38)	80.459	11.15	0.102	(38.35)	(384.64)
CUMULATIVE ACTUAL		617,020	5.383	33,212,083.49	6.584	40,626,356.51	7,414,270.42
CUMULATIVE ESTIMATED		366,204	4.974	18,214,728.00	6.292	23,042,757.00	4,828,029.00
DIFFERENCE		250,817	0.409	14,997,355.49	0.292	17,583,599.51	2,586,241.42
DIFFERENCE %		68	8.217	82.34	4.640	76.31	53.57

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	68,077,648
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	68,485,265
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	25,127,960
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	59,815,470
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	93,480,452
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	(175,299)	0	(200,499)
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	73,876,395
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	6,306,517
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	1,973,594	2,072,642	0	35,476,523
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	72,800	0	537,850
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	799,264	940,024	0	22,384,843
14 RidgeGen Agreement Termination				670,785	667,189	656,848	657,880	654,349	650,819	647,288	643,758	640,228	636,697	633,167	0	7,159,008
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)	0	(2,560,536)
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	39,101,298	39,235,077	0	476,059,900