



Matthew R. Bernier
ASSOCIATE GENERAL COUNSEL

October 18, 2019

VIA ELECTRONIC FILING

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

Re: Docket No. 20190001-EI

Dear Mr. Teitzman:

Attached for electronic filing in the above-referenced Docket on behalf of Duke Energy Florida, LLC, are Schedules A1 through A9 and A12 for the reporting month of September, 2019.

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/cmkn
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 October, 2019.

/s/ Matthew R. Bernier

Attorney

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DUKE ENERGY FLORIDA
FUEL AND PURCHASED POWER

SEPTEMBER 2019

	\$				MWH				CENTS/KWH			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
1 FUEL COST OF SYSTEM NET GENERATION (SCH A3)	109,757,451	108,507,217	1,250,234	1.2	3,926,888	3,862,188	64,700	1.7	2.7950	2.8095	(0.0145)	(0.5)
2 COAL CAR SALE	(178,380)	0	(178,380)	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
3 ADJUSTMENTS TO FUEL COST - MISCELLANEOUS	3,085,657	1,172,013	1,913,644	163.3	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	112,664,728	109,679,230	2,985,498	2.7	3,926,888	3,862,188	64,700	1.7	2.8691	2.8398	0.0293	1.0
5 ENERGY COST OF PURCHASED POWER - FIRM (SCH A7)	10,622,880	6,779,581	3,843,299	56.7	266,448	206,931	59,517	28.8	3.9868	3.2763	0.7105	21.7
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)	218,744	128,246	90,498	70.6	3,350	2,825	525	18.6	6.5288	4.5397	1.9891	43.8
8 PAYMENTS TO QUALIFYING FACILITIES (SCH A8)	7,521,729	9,155,724	(1,633,995)	(17.9)	202,483	231,096	(28,613)	(12.4)	3.7147	3.9619	(0.2472)	(6.2)
9 TOTAL COST OF PURCHASED POWER	18,363,352	16,063,551	2,299,802	14.3	472,282	440,852	31,430	7.1	3.8882	3.6438	0.2444	6.7
10 TOTAL AVAILABLE MWH					4,399,170	4,303,040	96,130	2				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(560,266)	(414,607)	(145,659)	35.1	(21,625)	(11,770)	(9,855)	83.7	2.5908	3.5225	(0.9317)	(26.5)
11a GAIN ON OTHER POWER SALES - 100% (SCH A6)	(215,267)	(109,730)	(105,537)	96.2	(21,625)	(11,770)	(9,855)	83.7	0.9855	0.9323	0.0632	6.8
11b GAIN ON TOTAL POWER SALES - 20% (SCH A6)	43,053	21,946	21,107	96.2	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
12 FUEL COST OF STRATIFIED SALES	(7,221,257)	(6,398,362)	(822,894)	12.9	(375,118)	(270,424)	(104,694)	38.7	1.9251	2.3660	(0.4409)	(18.6)
13 TOTAL FUEL COST AND GAINS ON POWER SALES	(7,953,736)	(6,900,753)	(1,052,982)	15.3	(396,743)	(282,195)	(114,548)	40.6	2.0048	2.4454	(0.4406)	(18.0)
14 NET INADVERTENT AND WHEELED INTERCHANGE					22,903	0	22,903					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	123,074,345	118,842,028	4,232,317	3.6	4,025,330	4,020,845	4,484	0.1	3.0575	2.9556	0.1019	3.5
16 NET UNBILLED	(7,524,981)	(6,750,144)	(774,837)	11.5	246,116	228,381	17,735	7.8	(0.1896)	(0.1692)	(0.0204)	12.1
17 COMPANY USE	246,967	541,494	(294,527)	(54.4)	(8,077)	(18,321)	10,243	(55.9)	0.0062	0.0136	(0.0074)	(54.4)
18 T & D LOSSES	8,987,565	7,137,244	1,850,321	25.9	(293,952)	(241,478)	(52,474)	21.7	0.2264	0.1789	0.0475	26.6
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	123,074,345	118,842,028	4,232,317	3.6	3,969,416	3,989,428	(20,011)	(0.5)	3.1006	2.9789	0.1217	4.1
20 WHOLESALE KWH SALES (EXCLUDING STRATIFIED SALES)	(615,372)	(499,137)	(116,235)	23.3	(19,715)	(16,716)	(2,999)	17.9	3.1213	2.9859	0.1354	4.5
21 JURISDICTIONAL KWH SALES	122,458,973	118,342,891	4,116,082	3.5	3,949,701	3,972,711	(23,010)	(0.6)	3.1005	2.9789	0.1216	4.1
22 JURISDICTIONAL KWH SALES ADJUSTED FOR LINE LOSS - 1.00034	122,500,609	118,383,128	4,117,481	3.5	3,949,701	3,972,711	(23,010)	(0.6)	3.1015	2.9799	0.1216	4.1
23 PRIOR PERIOD TRUE-UP	12,370,910	12,370,910	(0)	0.0	3,949,701	3,972,711	(23,010)	(0.6)	0.3132	0.3114	0.0018	0.6
24 TOTAL JURISDICTIONAL FUEL COST	134,871,518	130,754,038	4,117,481	3.2	3,949,701	3,972,711	(23,010)	(0.6)	3.4147	3.2913	0.1234	3.8
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									3.4172	3.2937	0.1235	3.8
27 GPIF	(191,794)	(191,794)			3,949,701	3,972,711			(0.0049)	(0.0048)	(0.0001)	2.1
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									3.412	3.289	0.123	3.8

*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 2019

	\$				MWH				CENTS/KWH			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
1 FUEL COST OF SYSTEM NET GENERATION (SCH A3)	946,887,184	951,922,114	(5,034,929)	(0.5)	30,869,410	30,913,161	(43,751)	(0.1)	3.0674	3.0793	(0.0119)	(0.4)
2 COAL CAR SALE	(178,380)	0	(178,380)	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
3 ADJUSTMENTS TO FUEL COST - MISCELLANEOUS	13,611,522	10,848,566	2,762,956	25.5	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	960,320,327	962,770,680	(2,450,353)	(0.3)	30,869,410	30,913,161	(43,751)	(0.1)	3.1109	3.1144	(0.0035)	(0.1)
5 ENERGY COST OF PURCHASED POWER - FIRM (SCH A7)	72,825,619	65,748,700	7,076,919	10.8	1,811,259	1,637,480	173,779	10.6	4.0207	4.0152	0.0055	0.1
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)	3,775,830	2,472,925	1,302,905	52.7	91,228	62,513	28,714	45.9	4.1389	3.9558	0.1831	4.6
8 PAYMENTS TO QUALIFYING FACILITIES (SCH A8)	75,150,542	80,794,861	(5,644,319)	(7.0)	1,890,030	1,988,440	(98,410)	(5.0)	3.9762	4.0632	(0.0870)	(2.1)
9 TOTAL COST OF PURCHASED POWER	151,751,991	149,016,486	2,735,504	1.8	3,792,516	3,688,434	104,083	2.8	4.0014	4.0401	(0.0387)	(1.0)
10 TOTAL AVAILABLE MWH					34,661,926	34,601,594	60,332	0.2				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(3,850,691)	(4,324,273)	473,582	(11.0)	(130,472)	(124,506)	(5,966)	4.8	2.9514	3.4731	(0.5217)	(15.0)
11a GAIN ON OTHER POWER SALES - 100% (SCH A6)	(1,471,814)	(1,521,339)	49,525	(3.3)	(130,472)	(124,506)	(5,966)	4.8	1.1281	1.2219	(0.0938)	(7.7)
11b GAIN ON TOTAL POWER SALES - 20% (SCH A6)	43,053	37,526	5,528	14.7	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
12 FUEL COST OF STRATIFIED SALES	(43,174,677)	(40,842,134)	(2,332,543)	5.7	(2,137,017)	(1,911,445)	(225,572)	11.8	2.0203	2.1367	(0.1164)	(5.5)
13 TOTAL FUEL COST AND GAINS ON POWER SALES	(48,454,129)	(46,650,221)	(1,803,908)	3.9	(2,267,489)	(2,035,951)	(231,538)	11.4	2.1369	2.2913	(0.1544)	(6.7)
14 NET INADVERTENT AND WHEELED INTERCHANGE					187,960	107,645	80,315					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	1,063,618,188	1,065,136,946	(1,518,757)	(0.1)	32,582,397	32,673,288	(90,891)	(0.3)	3.2644	3.2600	0.0044	0.1
16 NET UNBILLED	11,680,109	12,690,537	(1,010,428)	(8.0)	(367,879)	(383,903)	16,024	(4.2)	0.0392	0.0424	(0.0032)	(7.6)
17 COMPANY USE	3,982,228	4,726,152	(743,924)	(15.7)	(118,481)	(143,636)	25,155	(17.5)	0.0133	0.0158	(0.0025)	(15.8)
18 T & D LOSSES	74,825,387	72,331,292	2,494,095	3.5	(2,263,831)	(2,190,865)	(72,966)	3.3	0.2508	0.2415	0.0093	3.9
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	1,063,618,188	1,065,136,946	(1,518,757)	(0.1)	29,832,206	29,954,884	(122,677)	(0.4)	3.5653	3.5558	0.0095	0.3
20 WHOLESALE KWH SALES (EXCLUDING STRATIFIED SALES)	(6,746,758)	(7,162,187)	415,429	(5.8)	(189,597)	(202,546)	12,949	(6.4)	3.5585	3.5361	0.0224	0.6
21 JURISDICTIONAL KWH SALES	1,056,871,431	1,057,974,758	(1,103,328)	(0.1)	29,642,609	29,752,338	(109,728)	(0.4)	3.5654	3.5559	0.0095	0.3
22 JURISDICTIONAL KWH SALES ADJUSTED FOR LINE LOSS - 1.00034	1,057,227,104	1,058,330,807	(1,103,703)	(0.1)	29,642,609	29,752,338	(109,728)	(0.4)	3.5666	3.5571	0.0095	0.3
23 PRIOR PERIOD TRUE-UP	111,338,186	111,338,190	(4)	0.0	29,642,609	29,752,338	(109,728)	(0.4)	0.3756	0.3742	0.0014	0.4
24 TOTAL JURISDICTIONAL FUEL COST	1,168,565,291	1,169,668,997	(1,103,707)	(0.1)	29,642,609	29,752,338	(109,728)	(0.4)	3.9422	3.9313	0.0109	0.3
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									3.9450	3.9341	0.0109	0.3
27 GPIF	(1,726,144)	(1,726,146)			29,642,609	29,752,338			(0.0058)	(0.0058)	0.0000	100.0
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									3.939	3.928	0.011	0.3

*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 2019

	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	\$109,757,451	108,507,217	\$1,250,234	1.2	\$946,887,184	\$951,922,114	(\$5,034,929)	(0.5)
1a. COAL CAR SALE	(178,380)	0	(178,380)	0.0	(178,380)	0	(178,380)	0.0
2 . FUEL COST OF POWER SOLD	(560,266)	(414,607)	(145,659)	35.1	(3,850,691)	(4,324,273)	473,582	(11.0)
2a. GAIN ON POWER SALES	(172,214)	(87,784)	(84,430)	96.2	(1,428,761)	(1,483,813)	55,053	(3.7)
3 . FUEL COST OF PURCHASED POWER	10,622,880	6,779,581	3,843,299	56.7	72,825,619	65,748,700	7,076,919	10.8
3a. ENERGY PAYMENTS TO QUALIFYING FACILITIES	7,521,729	9,155,724	(1,633,995)	(17.9)	75,150,542	80,794,861	(5,644,319)	(7.0)
4 . ENERGY COST OF ECONOMY PURCHASES	218,744	128,246	90,498	70.6	3,775,830	2,472,925	1,302,905	52.7
5 . TOTAL FUEL & NET POWER TRANSACTIONS	127,209,945	124,068,377	3,141,568	2.5	1,093,181,344	1,095,130,514	(1,949,170)	(0.2)
6 . ADJUSTMENTS TO FUEL COST:								
6a. FUEL COST OF STRATIFIED SALES	(7,221,257)	(6,398,362)	(822,894)	12.9	(43,174,677)	(40,842,134)	(2,332,543)	5.7
6b. OTHER- JURISDICTIONAL ADJUSTMENTS (see detail below)	3,085,657	1,172,013	1,913,644	163.3	13,611,522	10,848,566	2,762,956	25.5
6c. OTHER - PRIOR PERIOD ADJUSTMENT	0	0	0	0.0	0	0	0	0.0
7 . ADJUSTED TOTAL FUEL & NET PWR TRNS	\$123,074,345	\$118,842,028	\$4,232,317	3.6	\$1,063,618,188	\$1,065,136,946	(\$1,518,757)	(0.1)

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)	500	0	500	5,650	0	5,650	0
FPD AGREEMENT TERMINATION	0	0	0	0	0	0	0
TANK BOTTOM ADJUSTMENT	0	0	0	0	0	0	0
AERIAL SURVEY ADJUSTMENT (Coal Pile)	1,912,201	0	1,912,201	2,764,536	0	2,764,536	0
FPD AGREEMENT TERMINATION	1,172,955	0	1,172,955	10,750,743	0	10,750,743	0
RAIL CAR SALE PROCEEDS	0	0	0	0	0	0	0
N/A - Not used	0	0	0	0	0	0	0
NET METER SETTLEMENT	0	0	0	90,593	0	90,593	0
N/A - Not used	0	0	0	0	0	0	0
Derivative Collateral Interest	0	0	0	0	0	0	0
SUBTOTAL LINE 6b SHOWN ABOVE	\$3,085,657	\$0	\$3,085,657	\$13,611,522	\$0	\$13,611,522	

B. KWH SALES

1 . JURISDICTIONAL SALES	3,949,700,919	3,972,711,441	(23,010,522)	(0.6)	29,642,608,674	29,752,337,744	(109,729,070)	(0.4)
2 . NON JURISDICTIONAL (WHOLESALE) SALES	19,715,404	16,716,336	2,999,068	17.9	189,596,905	202,545,797	(12,948,892)	(6.4)
3 . TOTAL SALES	3,969,416,323	3,989,427,777	(20,011,454)	(0.5)	29,832,205,579	29,954,883,541	(122,677,962)	(0.4)
4 . JURISDICTIONAL SALES % OF TOTAL SALES	99.50	99.58	(0.08)	(0.1)	99.36	99.32	0.04	0.0

DUKE ENERGY FLORIDA
CALCULATION OF TRUE-UP AND INTEREST PROVISION
SEPTEMBER 2019

	CURRENT MONTH				YEAR TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT
C. TRUE UP CALCULATION								
1. JURISDICTIONAL FUEL REVENUE	\$158,407,343	\$157,563,471	\$843,871	0.5	\$1,174,363,116	\$1,173,892,446	\$470,670	0.0
2. ADJUSTMENTS:	0	0	0	0.0	0	0	0	0.0
2a. TRUE UP PROVISION	(12,370,910)	(12,370,910)	0	0.0	(111,338,186)	(111,338,190)	4	0.0
2b. INCENTIVE PROVISION	191,794	191,794	(0)	0.0	1,726,144	1,726,146	(2)	0.0
3. TOTAL JURISDICTIONAL FUEL REVENUE	146,228,227	145,384,355	843,872	0.6	1,064,751,074	1,064,280,402	470,672	0.0
4. ADJ TOTAL FUEL & NET PWR TRNS (LINE A7)	123,074,345	118,842,028	4,232,317	3.6	1,063,618,188	1,065,136,946	(1,518,757)	(0.1)
5. JURISDICTIONAL SALES % OF TOT SALES (LINE B4)	99.50	99.58	(0.08)	(0.1)	99.36	99.32	0.04	0.0
6. JURISDICTIONAL FUEL & NET POWER TRANSACTIONS (LINE C4 * LINE C5 * 1.00034 LOSS MULTIPLIER)	122,500,609	118,383,128	4,117,481	3.5	1,057,227,104	1,058,330,807	(1,103,703)	(0.1)
7. TRUE UP PROVISION FOR THE MONTH OVER/(UNDER) COLLECTION (LINE C3 - C6)	23,727,618	27,001,228	(3,273,610)	(12.1)	7,523,970	5,949,595	1,574,375	26.5
8. INTEREST PROVISION FOR THE MONTH (LINE D10)	(176,504)	(212,216)	35,712	(16.8)	(3,171,591)	(3,264,685)	93,095	(2.9)
9. TRUE UP & INTEREST PROVISION BEG OF MONTH/PERIOD	(123,111,048)	(128,016,412)	4,905,364	(3.8)	(202,879,590)	(202,879,590)	0	0.0
10. TRUE UP COLLECTED (REFUNDED)	12,370,910	12,370,910	(0)	0.0	111,338,186	111,338,190	(4)	0.0
11. END OF PERIOD TOTAL NET TRUE UP (LINES C7 + C8 + C9 + C10)	(87,189,024)	(88,856,491)	1,667,466	(1.9)	(87,189,024)	(88,856,491)	1,667,466	(1.9)
12. OTHER:	0				0		0	
13. END OF PERIOD TOTAL NET TRUE UP (LINES C11 + C12)	(\$87,189,024)	(88,856,491)	1,667,466	(1.9)	(\$87,189,024)	(88,856,491)	1,667,466	(1.9)
D. INTEREST PROVISION								
1. BEGINNING TRUE UP (LINE C9)	(\$123,111,048)	N/A	--	--				
2. ENDING TRUE UP (LINES C7 + C9 + C10 + C12)	(87,012,520)	N/A	--	--				
3. TOTAL OF BEGINNING & ENDING TRUE UP	(210,123,569)	N/A	--	--		NOT		
4. AVERAGE TRUE UP (50% OF LINE D3)	(105,061,784)	N/A	--	--				
5. INTEREST RATE - FIRST DAY OF REPORTING MONTH	2.050	N/A	--	--				
6. INTEREST RATE - FIRST DAY OF SUBSEQUENT MONTH	1.970	N/A	--	--				
7. TOTAL (LINE D5 + LINE D6)	4.020	N/A	--	--				
8. AVERAGE INTEREST RATE (50% OF LINE D7)	2.010	N/A	--	--				
9. MONTHLY AVERAGE INTEREST RATE (LINE D8/12)	0.168	N/A	--	--				
10. INTEREST PROVISION (LINE D4 * LINE D9)	(\$176,504)	N/A	--	--				

A-3 Generating System Comparative Data Report

Report Period : 9/1/2019 to 9/1/2019

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 O L	0	0	0	0 0 %
2 - LIGHT O L	1,278,638	125,827	1,152,811	916 2 %
3 - COAL	17,571,316	15,456,479	2,114,837	13.7 %
4 - GAS	90,907,497	92,924,911	(2,017,414)	(2.2 %)
5 - NUCLEAR	0	0	0	0 0 %
6	0	0	0	0 0 %
7	0	0	0	0 0 %
8 - TOTAL (\$)	109,757,451	108,507,217	1,250,234	1 2 %
SYSTEM NET GENERATION (MWH)				
9 - HEAVY O L	0	0	0	0 0 %
10 - LIGHT OIL	5,119	0	5,119	0 0 %
11 - COAL	471,709	363,514	108,195	29 8 %
12 - GAS	3,427,804	3,479,716	(51,912)	(1.5 %)
13 - NUCLEAR	0	0	0	0 0 %
14 - SOLAR	22,256	18,958	3,298	17.4 %
15	0	0	0	0 0 %
16 - TOTAL (MWH)	3,926,888	3,862,188	64,700	1.7 %
UNITS OF FUEL BURNED				
17 - HEAVY O L (BBL)	0	0	0	0 0 %
18 - LIGHT OIL (BBL)	10,219	498	9,721	1952 0 %
19 - COAL (TON)	217,848	167,037	50,811	30.4 %
20 - GAS (MCF)	25,602,063	25,656,038	(53,975)	(0.2 %)
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 O L	0	0	0	0 0 %
25 - LIGHT OIL	58,788	2,905	55,883	1923.7 %
26 - COAL	4,884,152	3,893,384	990,768	25.4 %
27 - GAS	26,210,433	25,656,038	554,395	2 2 %
28 - NUCLEAR	0	0	0	0 0 %
29	0	0	0	0 0 %
30	0	0	0	0 0 %
31 - TOTAL (M LLION BTU)	31,153,374	29,552,327	1,601,047	5.4 %
GENERATION MIX (% MWH)				
32 - HEAVY O L	0 0	0.00	0 0	0 0 %
33 - LIGHT OIL	0.1	0.00	0.1	0 0 %
34 - COAL	12 0	9.41	2 6	27 6 %
35 - GAS	87 3	90.10	(2.8)	(3.1 %)
36 - NUCLEAR	0 0	0.00	0 0	0 0 %
37 - SOLAR	0.57	0.49	0.08	15 5 %
38	0	0	0	0
39 - TOTAL (% MWH)	100 0	100.0	0 0	0 0 %

A-3 Generating System Comparative Data Report

Report Period : 9/1/2019 to 9/1/2019

Duke Energy Florida, LLC

FUEL COST PER UNIT (\$)				
40 - HEAVY O L (\$/BBL)	0.00	0.00	0.00	0.0 %
41 - LIGHT OIL (\$/BBL)	125.12	252.66	(127.54)	(50.5 %)
42 - COAL (\$/TON)	80.66	92.53	(11.87)	(12.8 %)
43 - GAS (\$/MCF)	3.55	3.62	(0.07)	(2.0 %)
44 - NUCLEAR (\$/MBTU)	0.00	0.00	0.00	0.0 %
45	0.00	0.00	0.00	0.0 %
46	0.00	0.00	0.00	0.0 %
FUEL COST PER MILLION BTU (\$/MILLION BTU)				
47 - HEAVY O L	0.00	0.00	0.00	0.0 %
48 - LIGHT OIL	21.75	43.31	(21.56)	(49.8 %)
49 - COAL	3.60	3.97	(0.37)	(9.4 %)
50 - GAS	3.47	3.62	(0.15)	(4.2 %)
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)	3.52	3.67	(0.15)	(4.0 %)
BTU BURNED PER KWH (BTU/KWH)				
55 - HEAVY O L	0	0	0	0.0 %
56 - LIGHT OIL	11,485	0	11,485	100.0 %
57 - COAL	10,354	10,710	(356)	(3.3 %)
58 - GAS	7,646	7,373	273	3.7 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %
62 - SYSTEM (BTU/KWH)	7,933	7,652	282	3.7 %
GENERATED FUEL COST PER KWH (CENTS/KWH)				
63 - HEAVY O L	0.00	0.00	0.00	0.0 %
64 - LIGHT OIL	24.98	0.00	24.98	0.0 %
65 - COAL	3.73	4.25	(0.53)	(12.4 %)
66 - GAS	2.65	2.67	(0.02)	(0.7 %)
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 %

A-3 Generating System Comparative Data Report

Report Period : 1/1/2019 to 9/1/2019

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 O L	0	0	0	0 0 %
2 - LIGHT O L	9,553,468	5,981,236	3,572,232	59.7 %
3 - COAL	117,502,102	119,902,740	(2,400,638)	(2.0 %)
4 - GAS	819,831,615	826,038,137	(6,206,522)	(0.8 %)
5 - NUCLEAR	0	0	0	0 0 %
6	0	0	0	0 0 %
7	0	0	0	0 0 %
8 - TOTAL (\$)	946,887,184	951,922,113	(5,034,929)	(0.5 %)
SYSTEM NET GENERATION (MWH)				
9 - HEAVY O L	0	0	0	0 0 %
10 - LIGHT OIL	34,735	18,770	15,965	85.1 %
11 - COAL	3,050,692	3,032,767	17,925	0 6 %
12 - GAS	27,613,094	27,694,130	(81,036)	(0.3 %)
13 - NUCLEAR	0	0	0	0 0 %
14 - SOLAR	170,888	167,494	3,394	2 0 %
15	0	0	0	0 0 %
16 - TOTAL (MWH)	30,869,409	30,913,161	(43,752)	(0.1 %)
UNITS OF FUEL BURNED				
17 - HEAVY O L (BBL)	0	0	0	0 0 %
18 - LIGHT OIL (BBL)	80,624	49,619	31,005	62 5 %
19 - COAL (TON)	1,432,601	1,407,793	24,808	1 8 %
20 - GAS (MCF)	204,944,531	204,107,795	836,736	0 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 O L	0	0	0	0 0 %
25 - LIGHT OIL	463,819	285,614	178,205	62.4 %
26 - COAL	31,968,674	32,104,117	(135,443)	(0.4 %)
27 - GAS	209,382,295	206,595,262	2,787,033	1 3 %
28 - NUCLEAR	0	0	0	0 0 %
29	0	0	0	0 0 %
30	0	0	0	0 0 %
31 - TOTAL (M LLION BTU)	241,814,788	238,984,993	2,829,795	1 2 %
GENERATION MIX (% MWH)				
32 - HEAVY O L	0 0	0.00	0 0	0 0 %
33 - LIGHT OIL	0.1	0.06	0.1	85 3 %
34 - COAL	9 9	9.81	0.1	0 7 %
35 - GAS	89 5	89.59	(0.1)	(0.2 %)
36 - NUCLEAR	0 0	0.00	0 0	0 0 %
37 - SOLAR	0.55	0.54	0.01	2 2 %
38	0	0	0	0
39 - TOTAL (% MWH)	100 0	100.0	0 0	0 0 %

A-3 Generating System Comparative Data Report

Report Period : 1/1/2019 to 9/1/2019

Duke Energy Florida, LLC

FUEL COST PER UNIT (\$)				
40 - HEAVY O L (\$/BBL)	0.00	0.00	0.00	0.0 %
41 - LIGHT OIL (\$/BBL)	118.49	120.54	(2.05)	(1.7 %)
42 - COAL (\$/TON)	82.02	85.17	(3.15)	(3.7 %)
43 - GAS (\$/MCF)	4.00	4.05	(0.05)	(1.2 %)
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 O L	0.00	0.00	0.00	0.0 %
48 - LIGHT OIL	20.60	20.94	(0.34)	(1.6 %)
49 - COAL	3.68	3.73	(0.06)	(1.6 %)
50 - GAS	3.92	4.00	(0.08)	(2.1 %)
51 - NUCLEAR	0.00	0.00	0.00	0.0 %
52	0.00	0.00	0.00	0.0 %
53	0.00	0.00	0.00	0.0 %
54 - SYSTEM (\$/MBTU)	3.92	3.98	(0.07)	(1.7 %)
BTU BURNED PER KWH (BTU/KWH)				
55 - HEAVY O L	0	0	0	0.0 %
56 - LIGHT OIL	13,353	15,217	(1,863)	(12.2 %)
57 - COAL	10,479	10,586	(107)	(1.0 %)
58 - GAS	7,583	7,460	123	1.6 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %
62 - SYSTEM (BTU/KWH)	7,833	7,731	103	1.3 %
GENERATED FUEL COST PER KWH (CENTS/KWH)				
63 - HEAVY O L	0.00	0.00	0.00	0.0 %
64 - LIGHT OIL	27.50	31.87	(4.36)	(13.7 %)
65 - COAL	3.85	3.95	(0.10)	(2.6 %)
66 - GAS	2.97	2.98	(0.01)	(0.5 %)
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 %

A-4 System Net Generation and Fuel Cost Report

Report Period : 9/1/2019 to 9/1/2019

Duke Energy Florida, LLC

(A) PLANT	(B) NET CAP (MW)	(C) NET GENERATION (MWH)	(D) CAP FAC	(E) EQUIV AVA L 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													
Hamilton Solar Facility													
TOTAL HSF 1	75	18,929.00	35			0				0	0	0.000	
Osceola Solar Facility 1													
TOTAL UNIT 1	4	605.00	21			0				0	0	0.000	
Perry Solar Facility 1													
TOTAL UNIT 1	5	900.00	25			0				0	0	0.000	
Suwanee Solar Facility													
TOTAL UNIT 1	9	1,822.00	28			0				0	0	0.000	
TOTAL Solar	93	22,256.00				0				0	0	0.000	
Steam													
Anclote													
		95,254.00					Gas	1,019,162	1.026	1,045,660	3,889,208	4.083	3.816
TOTAL UNIT 1	511	95,254.00	26			10,978				1,045,660	3,889,208	4.083	
		90,429.00					Gas	1,027,695	1.026	1,054,415	3,921,771	4.337	3.816
TOTAL UNIT 2	514	90,429.00	24			11,660				1,054,415	3,921,771	4.337	
Crystal River 1 & 2													
TOTAL UNIT 1		0.00				0				0	0	0.000	
TOTAL UNIT 2		0.00				0				0	0	0.000	
Crystal River 4 & 5													
		181,143.00					Coal	86,415	22.420	1,937,424	6,970,113	3.848	80.659
		0.00					No 2	3,006	5.735	17,241	412,120	0.000	137.099
TOTAL UNIT 4	721	181,143.00	35			10,791				1,954,665	7,382,233	4.075	
		293,804.00					Coal	131,433	22.420	2,946,728	10,601,203	3.608	80.659
		0.00					No 2	2,884	5.735	16,541	395,394	0.000	137.099
TOTAL UNIT 5	721	293,804.00	57			10,086				2,963,269	10,996,596	3.743	
TOTAL Steam	2,467	660,630.00				10,623				7,018,009	26,189,808	4.000	
Gas Turbine													
Avon Park Peaker													
		139.60					Gas	2,338	1.026	2,399	8,948	6.410	3.827
TOTAL APP	25	140.00	1			17,183				2,399	8,948	6.410	
Bartow Combined Cycle													
		601,650.00					Gas	4,633,121	1.020	4,725,783	15,422,675	2.563	3.329
TOTAL BCC	1,207	601,650.00	69			7,855				4,725,783	15,422,675	2.563	
Bartow Peaker													
		283.59					No 2	592	5.712	3,382	61,498	21.685	103.882
		1,242.41					Gas	14,453	1.025	14,814	54,900	4.419	3.799
TOTAL BAP	223	1,526.00	1			11,924				18,196	116,398	7.628	

A-4 System Net Generation and Fuel Cost Report

Report Period : 9/1/2019 to 9/1/2019

Duke Energy Florida, LLC

A) PLANT	(B) NET CAP (MW)	(C) NET GENERATION (MWH)	(D) CAP FAC	(E) EQUIV AVA L 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	1,862	1,040,579.00	78			6,854	Gas	6,944,975	1,027	7,132,489	28,014,530	2.692	4.034
		1,040,579.00								7,132,489	28,014,530	2.692	
Debarry Peaker													
		1,095.41					No 2	2,638	5,777	15,241	301,846	27.556	114.422
TOTAL DEP	647	15,411.59	4			13,914	Gas	208,589	1,028	214,429	797,910	5.177	3.825
		16,507.00								229,670	1,099,756	6.662	
Higgins Peaker													
TOTAL HGP	99	1,541.60	2			17,367	Gas	26,095	1,026	26,773	99,535	6.457	3.814
		1,542.00								26,773	99,535	6.457	
Hines Energy													
TOTAL HEP	2,188	1,110,427.00	70			7,322	Gas	7,947,810	1,023	8,130,610	26,012,463	2.343	3.273
		1,110,427.00								8,130,610	26,012,463	2.343	
Intercession City Peaker													
		423.97					No 2	975	5,802	5,657	96,285	22.710	98.754
TOTAL ICP	1,202	32,072.12	4			13,342	Gas	417,063	1,026	427,907	1,395,560	4.351	3.346
		32,496.00								433,563	1,491,845	4.591	
Osprey													
TOTAL OSP	600	269,422.00	62			7,374	Gas	1,944,033	1,022	1,986,802	6,484,666	2.407	3.336
		269,422.00								1,986,802	6,484,666	2.407	
Suwannee Peaker													
		49.79					No 2	125	5,817	727	11,496	23.087	91.968
TOTAL SRP	203	6,200.91	4			14,603	Gas	88,255	1,026	90,550	337,068	5.436	3.819
		6,251.00								91,277	348,563	5.576	
Tiger Bay Cogen													
TOTAL TBP	231	133,668.00	80			7,962	Gas	1,042,363	1,021	1,064,253	3,473,963	2.599	3.333
		133,668.00								1,064,253	3,473,963	2.599	
Univ of Florida Cogen													
		0.00					No 2	0	0,000	0	0	0.000	0.000
TOTAL UFP	46	29,795.00	90			9,852	Gas	286,111	1,026	293,549	994,301	3.337	3.475
		29,795.00								293,549	994,301	3.337	
TOTAL Gas Turbine	8,533	3,244,002.00				7,440				24,135,364	83,567,643	2.576	
SYSTEM	11,093	3,926,887.99				7,933				31,153,374	109,757,451	2.795	

A-4 System Net Generation and Fuel Cost Report

Report Period : 1/1/2019 to 9/1/2019

Duke Energy Florida, LLC

(A) PLANT	(B) NET CAP (MW)	(C) NET GENERATION (MWH)	(D) CAP FAC	(E) EQUIV AVA L 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													
Hamilton Solar Facility													
TOTAL HSF 1	75	144,374.00	29			0				0	0	0.000	
Osceola Solar Facility 1													
TOTAL UNIT 1	4	5,109.00	19			0				0	0	0.000	
Perry Solar Facility 1													
TOTAL UNIT 1	5	6,697.00	20			0				0	0	0.000	
Suwanee Solar Facility													
TOTAL UNIT 1	9	14,708.00	25			0				0	0	0.000	
TOTAL Solar	93	170,888.00				0				0	0	0.000	
Steam													
Anclote													
		598,959.00					Gas	6,611,159	1.025	6,776,234	25,546,038	4.265	3.864
TOTAL UNIT 1	511	598,959.00	18			11,313				6,776,234	25,546,038	4.265	
		995,171.00					Gas	11,039,005	1.024	11,304,273	46,529,323	4.676	4.215
TOTAL UNIT 2	514	995,171.00	30			11,359				11,304,273	46,529,323	4.676	
Crystal River 1 & 2													
TOTAL UNIT 1		0.00				0				0	0	0.000	
TOTAL UNIT 2		0.00				0				0	0	0.000	
Crystal River 4 & 5													
		2,000,339.00					Coal	931,063	22.373	20,830,995	76,623,274	3.831	82.297
		0.00					No 2	18,545	5.726	106,193	2,419,339	0.000	130.458
TOTAL UNIT 4	721	2,000,339.00	42			10,467				20,937,188	79,042,613	3.951	
		1,068,146.56					Coal	501,538	22.207	11,137,679	40,878,828	3.827	81.507
		0.00					No 2	17,027	5.737	97,687	2,252,161	0.000	132.270
TOTAL UNIT 5	721	1,068,146.56	23			10,519				11,235,366	43,130,990	4.038	
TOTAL Steam	2,467	4,662,616.00				10,778				50,253,060	194,248,963	4.000	
Gas Turbine													
Avon Park Peaker													
		142.45					No 2	423	5.816	2,460	44,094	30.953	104.241
		1,116.95					Gas	18,869	1.022	19,291	93,015	8.328	4.930
TOTAL APP	50	1,259.00	0			17,271				21,751	137,109	10.887	
Bartow Combined Cycle													
		5,030,905.00					Gas	38,030,183	1.020	38,774,856	139,559,519	2.774	3.670
TOTAL BCC	1,207	5,030,905.00	64			7,707				38,774,856	139,559,519	2.774	
Bartow Peaker													
		2,348.99					No 2	6,749	5.712	38,550	702,636	29.912	104.110
		14,818.01					Gas	237,737	1.023	243,185	973,384	6.569	4.094
TOTAL BAP	223	17,167.00	1			16,411				281,735	1,676,021	9.763	
Bayboro Peaker													

A-4 System Net Generation and Fuel Cost Report

Report Period : 1/1/2019 to 9/1/2019

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	2,486.70 2,487.00	0			13,525	No 2	5,888	5.712	33,632 33,632	822,795 822,795	33.088 33.088	139.741
Citrus County													
TOTAL CCCC	1,862	8,308,457.00 8,308,457.00	68			6,845	Gas	55,589,731	1.023	56,868,274 56,868,274	266,209,688 266,209,688	3.204 3.204	4.789
Debary Peaker													
TOTAL DEP	712	4,359.33 97,450.67 101,810.00	2			13,832	No 2 Gas	10,447 1,313,623	5.772 1.026	60,298 1,347,932 1,408,230	1,194,922 5,257,663 6,452,584	27.411 5.395 6.338	114.379 4.002
Higgins Peaker													
TOTAL HGP	119	10,773.70 10,774.00	1			16,343	Gas	171,897	1.024	176,079 176,079	672,100 672,100	6.238 6.238	3.910
Hines Energy													
TOTAL HEP	2,188	9,653,503.00 9,653,503.00	67			7,209	Gas	68,180,710	1.021	69,595,344 69,595,344	250,958,487 250,958,487	2.600 2.600	3.681
Intercession City Peaker													
TOTAL ICP	1,202	7,294.46 267,191.82 274,486.00	3			13,238	No 2 Gas	16,644 3,458,205	5.802 1.023	96,564 3,537,076 3,633,640	1,643,541 12,269,791 13,913,332	22.531 4.592 5.069	98.747 3.548
Osprey													
TOTAL OSP	600	1,630,829.00 1,630,829.00	41			7,352	Gas	11,736,554	1.022	11,989,859 11,989,859	41,041,649 41,041,649	2.517 2.517	3.497
Suwannee Peaker													
TOTAL SRP	203	1,733.13 47,455.47 49,189.00	4			13,741	No 2 Gas	4,094 636,910	5.817 1.024	23,815 652,080 675,895	376,078 2,627,449 3,003,527	21.699 5.537 6.106	91.861 4.125
Tiger Bay Cogen													
TOTAL TBP	231	707,803.00 707,803.00	47			7,820	Gas	5,417,677	1.022	5,534,838 5,534,838	18,622,947 18,622,947	2.631 2.631	3.437
Univ of Florida Cogen													
TOTAL UFP	46	444.87 246,793.53 247,238.00	82			10,385	No 2 Gas	797 2,502,271	5.797 1.024	4,620 2,562,974 2,567,594	97,902 9,470,562 9,568,464	22.007 3.837 3.870	122.838 3.785
TOTAL Gas Turbine	8,881	26,035,907.00				7,358				191,561,728	752,638,221	2.891	
SYSTEM	11,441	30,869,410.64				7,833				241,814,788	946,887,184	3.067	

A-5 System Generation Fuel Cost Report

Report Period : 9/1/2019 to 9/1/2019

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)	5,333	498	4,835	970.9%
20 - UNIT COST (\$/BBL)	140.08	252.66	(112.58)	(44.6%)
21 - AMOUNT (\$)	747,059	125,827	621,232	493.7%
22 - BURNED				
23 - UNITS (BBL)	10,219	498	9,721	1952.0%
24 - UNIT COST (\$/BBL)	125.12	252.66	(127.54)	(50.5%)
25 - AMOUNT (\$)	1,278,638	125,827	1,152,811	916.2%
26 - ADJUSTMENTS				
27 - UNITS (BBL)	0			
28 - AMOUNT (\$)	0			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	640,518	659,427	(18,909)	(2.9%)
31 - UNIT COST (\$/BBL)	109.07	108.99	0.09	0.1%
32 - AMOUNT (\$)	69,861,923	71,867,960	(2,006,037)	(2.8%)
33 -				
34 - DAYS SUPPLY	1,880	39,725	(37,844)	(95.3%)

A-5 System Generation Fuel Cost Report

Report Period : 9/1/2019 to 9/1/2019

Duke Energy Florida, LLC

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	169,733	167,037	2,696	1.6%
37 - UNIT COST (\$/TON)	74.94	92.53	(17.59)	(19.0%)
38 - AMOUNT (\$)	12,720,318	15,456,479	(2,736,161)	(17.7%)
39 - BURNED				
40 - UNITS (TON)	217,848	167,037	50,811	30.4%
41 - UNIT COST (\$/TON)	80.66	92.53	(11.87)	(12.8%)
42 - AMOUNT (\$)	17,571,316	15,456,479	2,114,837	13.7%
43 - ADJUSTMENTS				
44 - UNITS (TON)	(19,246)			
45 - AMOUNT (\$)	(1,912,201)			
46 - ENDING INVENTORY				
47 - UNITS (TON)	339,768	417,395	(77,627)	(18.6%)
48 - UNIT COST (\$/TON)	80.66	86.34	(5.68)	(6.6%)
49 - AMOUNT (\$)	27,405,207	36,037,880	(8,632,673)	(24.0%)
50 -				
51 - DAYS SUPPLY	47	75	(28)	(37.6%)
GAS				
52 - BURNED				
53 - UNITS (MCF)	25,602,063	25,656,038	(53,975)	(0.2%)
54 - UNIT COST (\$/MCF)	3.55	3.62	(0.07)	(2.0%)
55 - AMOUNT (\$)	90,907,497	92,924,911	(2,017,414)	(2.2%)
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%

A-5 System Generation Fuel Cost Report

Report Period : 1/1/2019 to 9/1/2019

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)	34,224	22,127	12,097	54.7%
20 - UNIT COST (\$/BBL)	135.11	138.19	(3.08)	(2.2%)
21 - AMOUNT (\$)	4,623,902	3,057,705	1,566,197	51.2%
22 - BURNED				
23 - UNITS (BBL)	80,624	49,619	31,005	62.5%
24 - UNIT COST (\$/BBL)	118.49	120.54	(2.05)	(1.7%)
25 - AMOUNT (\$)	9,553,468	5,981,235	3,572,233	59.7%
26 - ADJUSTMENTS				
27 - UNITS (BBL)	0			
28 - AMOUNT (\$)	0			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	640,518	659,427	(18,909)	(2.9%)
31 - UNIT COST (\$/BBL)	109.07	108.99	0.09	0.1%
32 - AMOUNT (\$)	69,861,923	71,867,960	(2,006,037)	(2.8%)
33 -				
34 - DAYS SUPPLY	0	0	0	0.0%

A-5 System Generation Fuel Cost Report

Report Period : 1/1/2019 to 9/1/2019

Duke Energy Florida, LLC

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	1,178,705	1,199,253	(20,548)	(1.7%)
37 - UNIT COST (\$/TON)	86.54	91.96	(5.41)	(5.9%)
38 - AMOUNT (\$)	102,010,680	110,279,457	(8,268,777)	(7.5%)
39 - BURNED				
40 - UNITS (TON)	1,432,601	1,407,793	24,808	1.8%
41 - UNIT COST (\$/TON)	82.02	85.17	(3.15)	(3.7%)
42 - AMOUNT (\$)	117,502,102	119,902,740	(2,400,638)	(2.0%)
43 - ADJUSTMENTS				
44 - UNITS (TON)	(32,271)			
45 - AMOUNT (\$)	(2,764,536)			
46 - ENDING INVENTORY				
47 - UNITS (TON)	339,768	417,395	(77,627)	(18.6%)
48 - UNIT COST (\$/TON)	80.66	86.34	(5.68)	(6.6%)
49 - AMOUNT (\$)	27,405,207	36,037,880	(8,632,673)	(24.0%)
50 -				
51 - DAYS SUPPLY	0	0	0	0.0%
GAS				
52 - BURNED				
53 - UNITS (MCF)	204,944,531	204,107,795	836,736	0.4%
54 - UNIT COST (\$/MCF)	4.00	4.05	(0.05)	(1.2%)
55 - AMOUNT (\$)	819,831,615	826,038,137	(6,206,522)	(0.8%)
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 2019

HEAVY OIL		
UNITS	AMOUNT	
0	0	TOTAL

LIGHT OIL		
UNITS	AMOUNT	
-	-	TOTAL

COAL		
UNITS	AMOUNT	
(19,246)	\$ (1,912,201.31)	Amount represents the final coal inventory adjustment for Crystal River South retirement
(19,246)	\$ (1,912,201.31)	TOTAL

Duke Energy Florida, LLC
Schedule A6
Power Sold for the Month of
September 2019

(1)	(2)	(3)	(4)	(5)	(6a)	(6b)	(7)	(8)	(9)
Sold To	Type & Schedule	Total KWH Sold (000)	KWH		Fuel Cost C/KWH	Total Cost C/KWH	Fuel Adj Total \$	Total Cost \$	Gain on Sales \$
			Wheeled from Other Systems (000)	KWH from Own Generation (000)					
ESTIMATED		11,770		11,770	3.522	4.455	414,607.00	524,337.00	109,730.00
ACTUAL									
New Smyrna Beach	CR-1	48		48	1.742	2.661	836.12	1,277.46	441.34
Orlando Utilities Commission	Schedule OS	5,190		5,190	4.002	5.977	207,689.30	310,220.60	102,531.30
Reedy Creek Improvement District	CR-1	12,450		12,450	1.570	1.951	195,439.70	242,848.05	47,408.35
Tallahassee (City of)	Schedule A	200		200	4.295	4.885	8,590.70	9,770.00	1,179.30
Tampa Electric Company	CR-1	275		275	2.587	4.935	7,114.96	13,570.80	6,455.84
Tampa Electric Company	Schedule J	275		275	4.135	6.027	11,372.25	16,574.13	5,201.88
Tennessee Valley Authority	MR1	1,112		1,112	3.957	4.013	43,999.94	44,625.47	625.53
The Energy Authority	EEL	135		135	4.413	3.938	5,958.13	5,316.89	(641.24)
The Energy Authority	Schedule OS	1,940		1,940	4.086	6.769	79,264.40	131,327.00	52,062.60
Adjustments									
PJM Settlements								2.16	2.16
Subtotal - Gain on Other Power Sales		21,625	-	21,625	2.591	3.586	560,265.50	775,532.56	215,267.06
CURRENT MONTH TOTAL		21,625		21,625	2.591	3.586	560,265.50	775,532.56	215,267.06
DIFFERENCE		9,855		9,855	2.239	3.141	145,658.50	251,195.56	105,537.06
DIFFERENCE %		83.73		83.73	63.55	70.50	35.13	47.91	96.18
CUMULATIVE ACTUAL		130,472		130,472	2.951	4.079	3,850,691.10	5,322,504.98	1,471,814.00
CUMULATIVE ESTIMATED		124,505		124,505	3.473	4.695	4,324,273.00	5,845,612.00	1,521,339.00
DIFFERENCE		5,967		5,967	2.250	2.420	(473,581.90)	(523,107.02)	(49,525.00)
DIFFERENCE %		4.79		4.79	64.78	51.54	(10.95)	(8.95)	(3.26)

DUKE ENERGY FLORIDA, LLC
SCHEDULE A7

PURCHASED POWER
EXCLUSIVE OF ECONOMY PURCHASES
FOR THE MONTH OF
SEPTEMBER, 2019

(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		206,931			206,931	3.276	3.276	6,779,581	6,779,581
ACTUAL									
Shady Hills Power Company, L.L.C.	TOLL	24,647			24,647	5.782	5.782	1,425,107.35	1,425,107.35
Southern Power Company	Franklin	153,094			153,094	2.887	2.887	4,419,935.89	4,419,935.89
Vandolah Power Company L.L.C.	TOLL	88,988			88,988	5.384	5.384	4,791,475.94	4,791,475.94
ADJUSTMENTS									
Vandolah Power Company L.L.C.	TOLL	(282)			(282)	2.777	2.777	(7,829.86)	(7,829.86)
Shady Hills Power Company, L.L.C.	TOLL	1			1	(5.358)	(5.358)	(53.58)	(53.58)
Southern Power Company	Franklin	-			-	-	-	(5,755.56)	(5,755.56)
CURRENT MONTH TOTAL		266,448			266,448	3.987	3.987	10,622,880.18	10,622,880.18
D F FERENCE		59,517			59,517	0.711	0.711	3,843,299.18	3,843,299.18
D F FERENCE %		29			29	21.689	21.689	56.69	56.69
CUMULATIVE ACTUAL		1,811,259			1,811,259	4.021	4.021	72,825,618.85	72,825,618.85
CUMULATIVE ESTIMATED		1,637,481			1,637,481	4.015	4.015	65,748,700.00	65,748,700.00
D F FERENCE		173,778			173,778	0.005	0.005	7,076,918.85	7,076,918.85
D F FERENCE %		11			11	0.137	0.137	10.76	10.76

DUKE ENERGY FLORIDA, LLC
SCHEDULE A8

ENERGY PAYMENT TO QUALIFYING FACILITIES
FOR THE MONTH OF
SEPTEMBER, 2019

(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		231,096	-	-	231,096	3.962	15.107	9,155,723.83
ACTUAL								
Citrus World (CITRUS)	CO-GEN	11			11	2.119	2.119	238.86
ADJ		(1)			(1)			(13.05)
Florida Power Development (FCRUSHAS)	CO-GEN	-			-	-	0.000	-
ADJ		-			-			-
Florida Power Development (FLACRUSH)	CO-GEN	-			-	-	0.000	-
ADJ		-			-			-
Lake County (LAKCOUNT)	CO-GEN	67			67	2.120	2.120	1,420.43
ADJ		-			-			170.38
Lee County (LEECOGAS)	CO-GEN	-			-	-	0.000	-
ADJ		-			-			-
Metro-Dade County (METRDADE)	CO-GEN	-			-	-	0.000	-
ADJ		-			-			-
Metro-Dade County (METRDDAS)	CO-GEN	-			-	-	0.000	-
ADJ		-			-			-
Orange Cogen (ORANGEAS)	CO-GEN	510			510	1.807	1.807	9,214.29
ADJ		-			-			(225.19)
Orange Cogen (ORANGEEO)	CO-GEN	20,479			20,479	4.069	31.416	833,202.29
ADJ		-			-			(520.51)
Orlando Cogen Limited (ORLACOGL)	CO-GEN	86,400			86,400	5.382	11.846	4,649,826.98
ADJ		-			-			(50,670.58)
Orlando Cogen Limited (ORLCOGAS)	CO-GEN	-			-	-	0.000	-
ADJ		-			-			-
Pasco County Resource Recovery (PASCOUNT)	CO-GEN	17,280			17,280	2.003	13.668	346,042.82
ADJ		-			-			(3,346.09)
PCS Phosphate (OCSWFCRK)	CO-GEN	113			113	1.879	1.879	2,127.07
ADJ		(30)			(30)			(960.80)
Pinellas County Resource Recovery (PINCOUNT)	CO-GEN	40,838			40,838	2.013	13.772	822,261.58
ADJ		-			-			(4,624.33)
Polk Power Partners, L.P. (MULBERRY)	CO-GEN	36,816			36,816	2.470	23.391	909,529.79
ADJ		-			-			8,054.71
Wheelabrator Ridge Energy, Inc. (RIDGEGEN)	CO-GEN	-			-	-	-	-
ADJ		-			-			-
CURRENT MONTH TOTAL		202,483			202,483	3.715	16.435	7,521,728.67
D F FERENCE		(28,613)			(28,613)	(0.247)	1.328	(1,633,995.16)
D F FERENCE %		(12.38)			(12.38)	(6.24)	8.79	(17.85)
CUMULATIVE ACTUAL		1,890,029			1,890,029	3.976	16.283	75,150,541.93
CUMULATIVE ESTIMATED		1,988,440			1,988,440	4.063	15.761	80,794,861.43
CUMULATIVE DIFFERENCE		(98,411)			(98,411)	(0.087)	0.522	(5,644,319.50)
CUMULATIVE DIFFERENCE %		(4.95)			(4.95)	(2.14)	3.31	(6.99)

DUKE ENERGY FLORIDA, LLC.
SCHEDULE A9

ECONOMY ENERGY PURCHASES
INCLUDING LONG TERM PURCHASES
FOR THE MONTH OF
SEPTEMBER, 2019

(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		2,825	4.540	128,246	5.244	148,144	19,898
ACTUAL							
SubTotal - Energy Purchases (Broker)		-		-		-	-
SEPA	Hydro	1,265	3.273	41,417.52	3.273	41,417.52	-
Exelon Generation Company, LLC	InternationalSwapsDe	185	3.240	5,994.00	4.361	8,067.85	2,073.85
Florida Power & Light Company	Transmission Purchase	-	0.000	90,713.60	0.000	-	(90,713.60)
Florida Power & Light Company		0	1,900	3,903	74,150.00	6,568	124,793.00
Jacksonville Electric Authority		0	-	0.000	260.68	0.000	-
							(260.68)
ADJUSTMENTS							
PJM Settlements				37.96			(37.96)
Florida Power and Light				4,259.40			(4,259.40)
Jacksonville Electric Authority				1,910.48			(1,910.48)
SubTotal - Energy Purchases (Non-Broker)		3,350	6.529	218,743.64	5.202	174,278.37	(44,465.27)
CURRENT MONTH TOTAL		3,350	6.529	218,743.64	5.202	174,278.37	(44,465.27)
DIFFERENCE		525	1.989	90,497.64	(0.042)	26,134.37	(64,363.27)
DIFFERENCE %		19	43.817	70.57	(0.808)	17.64	(323.47)
CUMULATIVE ACTUAL		91,228	4.139	3,775,831.19	5.105	4,657,430.71	882,166.83
CUMULATIVE EST MATED		62,513	3.956	2,472,925.00	4.031	2,520,096.00	47,171.00
DIFFERENCE		28,714	0.183	1,302,906.19	1.074	2,137,334.71	834,995.83
DIFFERENCE %		46	4.628	52.69	26.641	84.81	1,770.15

DUKE ENERGY FLORIDA
SCHEDULE A12 - CAPACITY COSTS
FOR THE PERIOD JAN - DEC 2019

Counterparty	Type	MW	Start Date - End Date	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
1 Orange Cogen (ORANGE CO)	QF	74.00	7/1/95 - 12/31/24	5,600,934	5,600,934	5,600,934	5,600,934	5,600,934	5,600,934	5,600,934	5,600,934	5,600,934				50,408,404.02
2 Orlando Cogen Limited (ORLACOGL)	QF	79.20	9/1/93 - 12/31/23	5,636,162	5,636,162	5,636,162	5,636,162	5,636,162	5,636,162	5,636,162	5,636,162	5,636,162				50,725,457.28
3 Pasco County Resource Recovery (PASCOUNT)	QF	23.00	1/1/95 - 12/31/24	2,019,170	2,019,170	2,019,170	2,019,170	2,019,170	2,019,170	2,019,170	2,019,170	2,019,170				18,172,530.00
4 Pinellas County Resource Recovery (PINCOUNT)	QF	54.75	1/1/95 - 12/31/24	4,806,503	4,806,503	4,806,503	4,806,503	4,806,503	4,806,503	4,806,503	4,806,503	4,806,503				43,258,522.50
5 Polk Power Partners, L.P. (MULBERRY)	QF	115.00	8/1/94 - 8/8/24	7,693,916	7,693,916	7,693,916	7,693,916	7,693,916	7,693,916	7,693,916	7,693,916	7,693,916				69,245,240.94
6 Wheelabrator Ridge Energy, Inc. (RIDGEGEN)	QF	39.60	8/1/94 - 1/31/19	800,946	0	0	0	0	0	0	0	0				800,945.81
7 Southern purchase - Franklin	Other	425	6/1/16 - 5/31/21	4,611,942	4,802,362	2,752,978	2,755,639	2,814,130	5,254,911	6,502,231	6,128,473	4,721,360				40,344,026.43
8 Retail Wheeling				(45,534)	(8,443)	(35,373)	(39,200)	(57,327)	(29,146)	(30,224)	(2,595)	(14,622)				(262,464.06)
9 CR-3 Projected Expense				3,775,626	3,753,198	3,730,770	3,708,343	3,685,916	3,663,488	3,641,061	3,618,633	3,596,207				33,173,242.32
10 ISFSI Return				573,320	573,320	573,320	573,320	573,320	573,320	573,320	573,320	573,320				5,159,877.71
11 Vandolah Capacity Purchase			June 2012 - May 2027	2,919,279	2,891,051	1,947,614	1,942,582	2,793,653	5,773,604	5,928,134	5,787,984	2,747,117				32,731,019.55
12 Schedule H Capacity Sales - Tallahassee	1	-1	on-going no term date	(48,411)	0	(64,548)	0	0	(114,031)	6,705	0	131,000				(89,285.14)
13 Shady Hills Tolling	1	517	4/1/07-4/30/24	1,976,940	1,976,940	1,412,100	1,366,200	1,912,680	3,888,000	3,888,000	3,888,000	(2,073,600)				18,235,260.00
14 RidgeGen Agreement Termination				0	750,770	747,221	743,672	740,123	736,573	730,453	726,952	723,451				5,899,216.31
15 Hamilton SoBRA True-Up				0	0	0	0	0	0	0	0	(478,334)				(478,334.00)
TOTAL				40,320,791	40,495,882	36,820,766	36,807,240	38,219,179	45,503,404	46,996,364	46,477,452	35,682,583	0	0	0	367,323,660