



Matthew R. Bernier
ASSOCIATE GENERAL COUNSEL

October 19, 2018

VIA ELECTRONIC FILING

Carlotta Stauffer, Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

Re: Docket No. 20180001-EI

Dear Ms. Stauffer:

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, 2018.

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 Duke Energy Florida, LLC's Schedules A1-A9 and A12 for the month of September 2018 have been furnished to the following individuals via e-mail on this 19th day of October, 2018.

/s/ Matthew R. Bernier

Attorney

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DUKE ENERGY FLORIDA
FUEL AND PURCHASED POWER

SEPTEMBER 2018

	\$				MWH				CENTS/KWH			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
1 FUEL COST OF SYSTEM NET GENERATION (SCH A3)	128,558,437	127,685,381	873,056	0.7	3,755,581	3,634,466	121,115	3.3	3.4231	3.5132	(0.0901)	(2.6)
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	386,571	1,257,084	(870,513)	(69.3)	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	128,945,008	128,942,465	2,543	0.0	3,755,581	3,634,466	121,115	3.3	3.4334	3.5478	(0.1144)	(3.2)
5 ENERGY COST OF PURCHASED POWER - FIRM (SCH A7)	16,251,743	7,669,205	8,582,538	111.9	367,071	199,921	167,150	83.6	4.4274	3.8361	0.5913	15.4
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)	253,698	342,596	(88,898)	(26.0)	6,367	7,642	(1,275)	(16.7)	3.9846	4.4830	(0.4984)	(11.1)
8 PAYMENTS TO QUALIFYING FAC LIT ES (SCH A8)	9,942,558	10,903,647	(961,089)	(8.8)	227,489	254,803	(27,314)	(10.7)	4.3706	4.2792	0.0914	2.1
9 TOTAL COST OF PURCHASED POWER	26,447,999	18,915,448	7,532,551	39.8	600,927	462,366	138,561	30.0	4.4012	4.0910	0.3102	7.6
10 TOTAL AVA LABLE MWH					4,356,507	4,096,832	259,675	6.3				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(493,238)	(141,130)	(352,108)	249.5	(10,267)	(3,467)	(6,800)	196.1	4.8041	4.0704	0.7337	18.0
11a GA N ON OTHER POWER SALES - 100% (SCH A6)	(160,430)	(39,257)	(121,173)	308.7	(10,267)	(3,467)	(6,800)	196.1	1.5626	1.1322	0.4304	38.0
11b GA N ON TOTAL POWER SALES - 20% (SCH A6)	23,616	7,851	15,765	200.8	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
12 FUEL COST OF STRAT F ED SALES	(3,768,189)	(2,217,056)	(1,551,133)	70.0	(207,076)	(129,032)	(78,044)	60.5	1.8197	1.7182	0.1015	5.9
13 TOTAL FUEL COST AND GAINS ON POWER SALES	(4,398,240)	(2,389,591)	(2,008,649)	84.1	(217,343)	(132,499)	(84,844)	64.0	2.0236	1.8035	0.2201	12.2
14 NET INADVERTENT AND WHEELED NTERCHANGE					25,788	0	25,788					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	150,994,767	145,468,322	5,526,445	3.8	4,164,952	3,964,333	200,619	5.1	3.6254	3.6694	(0.0440)	(1.2)
16 NET UNBILLED	(1,462,678)	(7,858,987)	6,396,309	(81.4)	40,346	214,175	(173,829)	(81.2)	(0.0375)	(0.1992)	0.1617	(81.2)
17 COMPANY USE	320,510	574,662	(254,152)	(44.2)	(8,841)	(15,661)	6,820	(43.6)	0.0082	0.0146	(0.0064)	(43.8)
18 T & D LOSSES	10,722,806	7,996,427	2,726,379	34.1	(295,772)	(217,920)	(77,851)	35.7	0.2749	0.2027	0.0722	35.6
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	150,994,767	145,468,322	5,526,445	3.8	3,900,685	3,944,927	(44,241)	(1.1)	3.8710	3.6875	0.1835	5.0
20 WHOLESALE KWH SALES (EXCLUD NG STRAT F ED SALES)	(1,238,157)	(785,529)	(452,628)	57.6	(31,950)	(21,311)	(10,639)	49.9	3.8753	3.6860	0.1893	5.1
21 JURISDICTIONAL KWH SALES	149,756,610	144,682,793	5,073,816	3.5	3,868,735	3,923,616	(54,880)	(1.4)	3.8709	3.6875	0.1834	5.0
22 JURISDICTIONAL KWH SALES ADJUSTED FOR L NE LOSS - 1.00031	149,803,034	144,727,645	5,075,389	3.5	3,868,735	3,923,616	(54,880)	(1.4)	3.8721	3.6886	0.1835	5.0
23 PRIOR PERIOD TRUE-UP	8,145,991	8,145,991	(0)	0.0	3,868,735	3,923,616	(54,880)	(1.4)	0.2106	0.2076	0.0030	1.5
24 TOTAL JURISDICTIONAL FUEL COST	157,949,025	152,873,636	5,075,389	3.3	3,868,735	3,923,616	(54,880)	(1.4)	4.0827	3.8962	0.1865	4.8
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									4.0856	3.8990	0.1866	4.8
27 GP F	232,768	232,768			3,868,735	3,923,616			0.0060	0.0059	0.0001	1.7
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									4.092	3.905	0.187	4.8

*Line 15a. MWH Data for Infomational Purposes Only

DUKE ENERGY FLORIDA
FUEL AND PURCHASED POWER
COST RECOVERY CLAUSE CALCULATION
YEAR TO DATE - SEPTEMBER 2018

	\$				MWH				CENTS/KWH			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
1 FUEL COST OF SYSTEM NET GENERATION (SCH A3)	988,582,219	1,004,570,282	(15,988,064)	(1.6)	28,435,127	28,618,210	(183,083)	(0.6)	3.4766	3.5102	(0.0336)	(1.0)
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	4,349,449	2,527,053	1,822,396	72.1	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	992,931,668	1,007,097,335	(14,165,668)	(1.4)	28,435,127	28,618,210	(183,083)	(0.6)	3.4919	3.5191	(0.0272)	(0.8)
5 ENERGY COST OF PURCHASED POWER - FIRM (SCH A7)	125,926,971	99,427,679	26,499,291	26.7	2,820,463	2,272,201	548,262	24.1	4.4648	4.3758	0.0890	2.0
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)	10,691,560	7,883,088	2,808,472	35.6	224,169	174,228	49,941	28.7	4.7694	4.5246	0.2448	5.4
8 PAYMENTS TO QUALIFYING FAC LIT ES (SCH A8)	106,474,045	111,643,353	(5,169,308)	(4.6)	2,384,906	2,477,528	(92,622)	(3.7)	4.4645	4.5062	(0.0417)	(0.9)
9 TOTAL COST OF PURCHASED POWER	243,092,575	218,954,120	24,138,455	11.0	5,429,538	4,923,957	505,581	10.3	4.4772	4.4467	0.0305	0.7
10 TOTAL AVA LABLE MWH					33,864,665	33,542,167	322,498	1.0				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(2,084,429)	(2,222,312)	137,884	(6.2)	(44,444)	(48,349)	3,905	(8.1)	4.6900	4.5964	0.0936	2.0
11a GA N ON OTHER POWER SALES - 100% (SCH A6)	(1,935,370)	(1,950,986)	15,616	(0.8)	(44,444)	(48,349)	3,905	(8.1)	4.3546	4.0352	0.3194	7.9
11b GA N ON TOTAL POWER SALES - 20% (SCH A6)	23,616	26,739	(3,123)	(11.7)	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
12 FUEL COST OF STRAT F ED SALES	(33,412,632)	(30,315,442)	(3,097,190)	10.2	(1,621,957)	(1,431,276)	(190,681)	13.3	2.0600	2.1181	(0.0581)	(2.7)
13 TOTAL FUEL COST AND GAINS ON POWER SALES	(37,408,814)	(34,462,001)	(2,946,813)	8.6	(1,666,401)	(1,479,625)	(186,776)	12.6	2.2449	2.3291	(0.0842)	(3.6)
14 NET INADVERTENT AND WHEELED NTERCHANGE					174,931	96,969	77,962					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	1,198,615,429	1,191,589,455	7,025,974	0.6	32,373,195	32,159,511	213,684	0.7	3.7025	3.7052	(0.0027)	(0.1)
16 NET UNBILLED	22,780,934	10,219,222	12,561,712	122.9	(615,286)	(261,292)	(353,994)	135.5	0.0772	0.0343	0.0429	125.1
17 COMPANY USE	5,000,505	5,488,983	(488,478)	(8.9)	(135,058)	(147,871)	12,813	(8.7)	0.0169	0.0184	(0.0015)	(8.2)
18 T & D LOSSES	77,965,839	70,885,436	7,080,403	10.0	(2,105,766)	(1,914,026)	(191,740)	10.0	0.2641	0.2376	0.0265	11.2
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	1,198,615,429	1,191,589,455	7,025,974	0.6	29,517,085	29,836,322	(319,237)	(1.1)	4.0608	3.9938	0.0670	1.7
20 WHOLESALE KWH SALES (EXCLUD NG STRAT F ED SALES)	(7,807,558)	(7,045,970)	(761,588)	10.8	(190,043)	(173,963)	(16,080)	9.2	4.1083	4.0503	0.0580	1.4
21 JURISDICTIONAL KWH SALES	1,190,807,871	1,184,543,485	6,264,386	0.5	29,327,042	29,662,359	(335,317)	(1.1)	4.0604	3.9934	0.0670	1.7
22 JURISDICTIONAL KWH SALES ADJUSTED FOR L NE LOSS - 1.00031	1,191,278,436	1,185,012,108	6,266,328	0.5	29,327,042	29,662,359	(335,317)	(1.1)	4.0620	3.9950	0.0670	1.7
23 PRIOR PERIOD TRUE-UP	73,313,915	73,313,919	(4)	0.0	29,327,042	29,662,359	(335,317)	(1.1)	0.2500	0.2472	0.0028	1.1
24 TOTAL JURISDICTIONAL FUEL COST	1,264,592,351	1,258,326,027	6,266,324	0.5	29,327,042	29,662,359	(335,317)	(1.1)	4.3120	4.2422	0.0698	1.7
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									4.3151	4.2453	0.0699	1.7
27 GP F	2,094,912	2,094,912			29,327,042	29,662,359			0.0071	0.0071	0.0000	100.0
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									4.322	4.252	0.070	1.6

*Line 15a. MWH Data for Informational Purposes Only

DUKE ENERGY FLORIDA
CALCULATION OF TRUE-UP AND INTEREST PROVISION
SEPTEMBER 2018

	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	\$128,558,437	127,685,381	\$873,056	0.7	\$988,582,219	\$1,004,570,282	(\$15,988,064)	(1.6)
1a. COAL CAR SALE	0	0	0	0.0	0	0	0	0.0
2. FUEL COST OF POWER SOLD	(493,238)	(141,130)	(352,108)	249.5	(2,084,429)	(2,222,312)	137,884	(6.2)
2a. GAIN ON POWER SALES	(136,814)	(39,257)	(97,557)	248.5	(1,911,754)	(1,950,986)	39,232	(2.0)
3. FUEL COST OF PURCHASED POWER	16,251,743	7,669,205	8,582,538	111.9	125,926,971	99,427,679	26,499,291	26.7
3a. ENERGY PAYMENTS TO QUALIFYING FACILITIES	9,942,558	10,903,647	(961,089)	(8.8)	106,474,045	111,643,353	(5,169,308)	(4.6)
4. ENERGY COST OF ECONOMY PURCHASES	253,698	342,596	(88,898)	(26.0)	10,691,560	7,883,088	2,808,472	35.6
5. TOTAL FUEL & NET POWER TRANSACTIONS	154,376,385	146,420,442	7,955,942	5.4	1,227,678,611	1,219,351,104	8,327,507	0.7
6. ADJUSTMENTS TO FUEL COST:								
6a. FUEL COST OF STRATIFIED SALES	(3,768,189)	(2,217,056)	(1,551,133)	70.0	(33,412,632)	(30,315,442)	(3,097,190)	10.2
6b. OTHER- JURISDICTIONAL ADJUSTMENTS (see detail below)	386,571	1,257,084	(870,513)	(69.3)	4,349,449	2,527,053	1,822,396	72.1
6c. OTHER - PRIOR PERIOD ADJUSTMENT	0	0	0	0.0	0	0	0	0.0
7. ADJUSTED TOTAL FUEL & NET PWR TRNS	\$150,994,767	\$145,460,471	\$5,534,296	3.8	\$1,198,615,429	\$1,191,562,715	\$7,052,713	0.6

FOOTNOTE: DETAIL OF LINE 6b ABOVE

INSPECTION & FUEL ANALYSIS REPORTS (Wholesale Portion)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CITRUS CC INEFFICIENT USE	(873,487)	0	(873,487)	(934,346)	0	(934,346)	0
UNIVERSITY OF FLORIDA STEAM REVENUE ALLOCATION (Wholesale Portion)	820	0	820	5,700	0	5,700	0
FPD AGREEMENT TERMINATION	0	0	0	0	0	0	0
TANK BOTTOM ADJUSTMENT	0	0	0	(99,086)	0	(99,086)	0
AERIAL SURVEY ADJUSTMENT (Coal Pile)	0	0	0	1,695,365	0	1,695,365	0
FPD AGREEMENT TERMINATION	1,259,238	0	1,259,238	3,577,870	0	3,577,870	0
N/A - Not used	0	0	0	0	0	0	0
Gain/Loss on Disposition of OI	0	0	0	0	0	0	0
NET METER SETTLEMENT	0	0	0	103,947	0	103,947	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	\$386,571	\$0	\$386,571	\$4,349,449	\$0	\$4,349,449	

B. KWH SALES								
1. JURISDICTIONAL SALES	3,868,734,962	3,923,615,565	(54,880,603)	(1.4)	29,327,042,051	29,662,359,310	(335,317,259)	(1.1)
2. NON JURISDICTIONAL (WHOLESALE) SALES	31,950,134	21,311,000	10,639,134	49.9	190,042,729	173,963,074	16,079,655	9.2
3. TOTAL SALES	3,900,685,096	3,944,926,565	(44,241,469)	(1.1)	29,517,084,780	29,836,322,384	(319,237,604)	(1.1)
4. JURISDICTIONAL SALES % OF TOTAL SALES	99.18	99.46	(0.28)	(0.3)	99.36	99.42	(0.06)	(0.1)

DUKE ENERGY FLORIDA
CALCULATION OF TRUE-UP AND INTEREST PROVISION
SEPTEMBER 2018

	CURRENT MONTH				YEAR TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT
C. TRUE UP CALCULATION								
1. JURISDICTIONAL FUEL REVENUE	\$160,484,582	\$161,812,596	(\$1,328,014)	(0.8)	\$1,202,059,128	\$1,213,152,635	(\$11,093,507)	(0.9)
2. ADJUSTMENTS:	0	0	0	0.0	0	0	0	0.0
2a. TRUE UP PROVISION	(8,145,991)	(8,145,991)	0	0.0	(73,313,915)	(73,313,919)	4	0.0
2b. INCENTIVE PROVISION	(232,768)	(232,768)	0	0.0	(2,094,912)	(2,094,912)	0	0.0
3. TOTAL JURISDICTIONAL FUEL REVENUE	152,105,824	153,433,837	(1,328,013)	(0.9)	1,126,650,301	1,137,743,804	(11,093,503)	(1.0)
4. ADJ TOTAL FUEL & NET PWR TRNS (L NE A7)	150,994,767	145,460,471	5,534,296	3.8	1,198,615,429	1,191,562,715	7,052,713	0.6
5. JURISDICTIONAL SALES % OF TOT SALES (L NE B4)	99.18	99.46	(0.28)	(0.3)	99.36	99.42	(0.06)	(0.1)
6. JURISDICTIONAL FUEL & NET POWER TRANSACTIONS (L NE C4 * L NE C5 * 1.00031 LOSS MULTIPL ER)	149,803,034	144,727,645	5,075,389	3.5	1,191,278,436	1,185,012,108	6,266,328	0.5
7. TRUE UP PROVISION FOR THE MONTH OVER/(UNDER) COLLECTION (L NE C3 - C6)	2,302,790	8,706,193	(6,403,403)	(73.6)	(64,628,135)	(47,268,304)	(17,359,831)	36.7
8. INTEREST PROVISION FOR THE MONTH (L NE D10)	(368,588)	(314,200)	(54,388)	17.3	(2,851,608)	(2,767,069)	(84,539)	3.1
9. TRUE UP & NTEREST PROVISION BEG OF MONTH/PERIOD	(215,845,998)	(204,859,418)	(10,986,580)	5.4	(211,599,978)	(211,599,981)	3	0.0
10. TRUE UP COLLECTED (REFUNDED)	8,145,991	8,145,991	(0)	0.0	73,313,915	73,313,919	(4)	0.0
11. END OF PERIOD TOTAL NET TRUE UP (LINES C7 + C8 + C9 + C10)	(205,765,805)	(188,321,435)	(17,444,371)	9.3	(205,765,805)	(188,321,435)	(17,444,371)	9.3
12. OTHER:	0				0		0	
13. END OF PERIOD TOTAL NET TRUE UP (L NES C11 + C12)	(\$205,765,805)	(188,321,435)	(17,444,371)	9.3	(\$205,765,805)	(188,321,435)	(17,444,371)	9.3
D. INTEREST PROVISION								
1. BEGINNING TRUE UP (LINE C9)	(\$215,845,998)	N/A	--	--				
2. ENDING TRUE UP (LINES C7 + C9 + C10 + C12)	(205,397,218)	N/A	--	--				
3. TOTAL OF BEGINNING & ENDING TRUE UP	(421,243,216)	N/A	--	--			NOT	
4. AVERAGE TRUE UP (50% OF L NE D3)	(210,621,608)	N/A	--	--				
5. INTEREST RATE - FIRST DAY OF REPORTING MONTH	1.980	N/A	--	--				
6. INTEREST RATE - FIRST DAY OF SUBSEQUENT MONTH	2.210	N/A	--	--				
7. TOTAL (L NE D5 + L NE D6)	4.190	N/A	--	--				
8. AVERAGE NTEREST RATE (50% OF L NE D7)	2.095	N/A	--	--				
9. MONTHLY AVERAGE NTEREST RATE (LINE D8/12)	0.175	N/A	--	--				
10. INTEREST PROVISION (L NE D4 * LINE D9)	(\$368,588)	N/A	--	--				

A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Report Period : **Final**
9/1/2018 to 9/1/2018
Run Date: 10/3/2018 11:28:36 AM

	<u>FUEL COST OF SYSTEM</u>	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
NET GENERATION (\$)					
1 - HEAVY OIL		0	0	0	0.0 %
2 - LIGHT O L		821,595	229,657	591,938	257.7 %
3 - COAL		28,098,435	33,863,154	(5,764,719)	(17.0 %)
4 - GAS		99,638,407	93,592,570	6,045,837	6.5 %
5 - NUCLEAR		0	0	0	0.0 %
6		0	0	0	0.0 %
7		0	0	0	0.0 %
8 - TOTAL (\$)		128,558,437	127,685,381	873,056	0.7 %
SYSTEM NET GENERATION (MWH)					
9 - HEAVY OIL		0	0	0	0.0 %
10 - LIGHT O L		3,544	218	3,326	1525.9 %
11 - COAL		848,121	957,147	(109,026)	(11.4 %)
12 - GAS		2,902,088	2,673,796	228,292	8.5 %
13 - NUCLEAR		0	0	0	0.0 %
14 - SOLAR		1,827	3,305	(1,478)	(44.7 %)
15		0	0	0	0.0 %
16 - TOTAL (MWH)		3,755,581	3,634,466	121,115	3.3 %
UNITS OF FUEL BURNED					
17 - HEAVY OIL (BBL)		0	0	0	0.0 %
18 - LIGHT O L (BBL)		7,249	1,642	5,607	341.5 %
19 - COAL (TON)		381,792	429,061	(47,269)	(11.0 %)
20 - GAS (MCF)		22,950,909	20,703,845	2,247,064	10.9 %
21 - NUCLEAR (MMBTU)		0	0	0	0.0 %
22		0	0	0	0.0 %
23		0	0	0	0.0 %
BTUS BURNED (MILLION BTU)					
24 - HEAVY OIL		0	0	0	0.0 %
25 - LIGHT O L		41,319	9,562	31,757	332.1 %
26 - COAL		8,753,128	10,013,535	(1,260,407)	(12.6 %)
27 - GAS		23,437,632	20,703,845	2,733,787	13.2 %
28 - NUCLEAR		0	0	0	0.0 %
29		0	0	0	0.0 %
30		0	0	0	0.0 %
31 - TOTAL (MILLION BTU)		32,232,080	30,726,942	1,505,138	4.9 %
GENERATION MIX (% MWH)					
32 - HEAVY OIL		0.0	0.00	0.0	0.0 %
33 - LIGHT O L		0.1	0.01	0.1	1473.5 %
34 - COAL		22.6	26.34	(3.8)	(14.2 %)
35 - GAS		77.3	73.57	3.7	5.0 %
36 - NUCLEAR		0.0	0.00	0.0	0.0 %
37 - SOLAR		0.05	0.09	(0.04)	(46.5 %)
38		0	0	0	0
39 - TOTAL (% MWH)		100	100	0.0	0.0 %

A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Report Period : **Final**
9/1/2018 to 9/1/2018
Run Date: 10/3/2018 11:28:36 AM

FUEL COST PER UNIT (\$)

40 - HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.0 %
41 - LIGHT O L (\$/BBL)	113.34	139.86	(26.53)	(19.0 %)
42 - COAL (\$/TON)	73.60	78.92	(5.33)	(6.8 %)
43 - GAS (\$/MCF)	4.34	4.52	(0.18)	(4.0 %)
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 OIL	0.00	0.00	0.00	0.0 %
48 - LIGHT O L	19.88	24.02	(4.13)	(17.2 %)
49 - COAL	3.21	3.38	(0.17)	(5.1 %)
50 - GAS	4.25	4.52	(0.27)	(6.0 %)
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)	3.99	4.16	(0.17)	(4.0 %)

BTU BURNED PER KWH (BTU/KWH)

55 - HEAVY OIL	0	0	0	0.0 %
56 - LIGHT O L	11,657	43,862	(32,205)	(73.4 %)
57 - COAL	10,321	10,462	(141)	(1.4 %)
58 - GAS	8,076	7,743	333	4.3 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %
62 - SYSTEM (BTU/KWH)	8,582	8,454	128	1.5 %

GENERATED FUEL COST PER KWH (CENTS/KWH)

63 - HEAVY OIL	0.00	0.00	0.00	0.0 %
64 - LIGHT O L	23.18	105.35	(82.17)	(78.0 %)
65 - COAL	3.31	3.54	(0.22)	(6.4 %)
66 - GAS	3.43	3.50	(0.07)	(1.9 %)
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)	3.42	3.51	(0.09)	(2.6 %)

A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Report Period : 1/1/2018 to 9/1/2018

Run Date: 10/4/2018 1:32:44 PM

<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 OIL	19,970,964	15,536,088	4,434,876	28.5 %
3 - COAL	214,658,431	239,743,023	(25,084,592)	(10.5 %)
4 - GAS	753,952,823	749,291,172	4,661,651	0.6 %
5 - NUCLEAR	0	0	0	0.0 %
6	0	0	0	0.0 %
7	0	0	0	0.0 %
8 - TOTAL (\$)	988,582,219	1,004,570,283	(15,988,064)	(1.6 %)
SYSTEM NET GENERATION (MWH)				
9 - HEAVY O L	0	0	0	0.0 %
10 - LIGHT O L	80,440	60,377	20,063	33.2 %
11 - COAL	6,438,733	7,030,871	(592,138)	(8.4 %)
12 - GAS	21,895,404	21,499,867	395,537	1.8 %
13 - NUCLEAR	0	0	0	0.0 %
14 - SOLAR	20,549	27,098	(6,549)	(24.2 %)
15	0	0	0	0.0 %
16 - TOTAL (MWH)	28,435,126	28,618,213	(183,087)	(0.6 %)
UNITS OF FUEL BURNED				
17 - HEAVY OIL (BBL)	0	0	0	0.0 %
18 - LIGHT O L (BBL)	174,737	133,161	41,576	31.2 %
19 - COAL (TON)	2,888,040	3,168,519	(280,479)	(8.9 %)
20 - GAS (MCF)	170,116,794	166,321,292	3,795,502	2.3 %
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 O L	1,009,942	770,807	239,135	31.0 %
26 - COAL	66,396,609	73,060,032	(6,663,423)	(9.1 %)
27 - GAS	173,656,241	168,437,901	5,218,340	3.1 %
28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (M LLION BTU)	241,062,793	242,268,740	(1,205,947)	(0.5 %)
GENERATION MIX (% MWH)				
32 - HEAVY OIL	0.0	0.00	0.0	0.0 %
33 - LIGHT O L	0.3	0.21	0.1	34.1 %
34 - COAL	22.6	24.57	(1.9)	(7.8 %)
35 - GAS	77.0	75.13	1.9	2.5 %
36 - NUCLEAR	0.0	0.00	0.0	0.0 %
37 - SOLAR	0.07	0.09	(0.02)	(23.7 %)
38	0	0	0	0
39 - TOTAL (% MWH)	100	100	0.0	0.0 %

A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Report Period : 1/1/2018 to 9/1/2018

Run Date: 10/4/2018 1:32:44 PM

FUEL COST PER UNIT (\$)

40 - HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.0 %
41 - LIGHT O L (\$/BBL)	114.29	116.67	(2.38)	(2.0 %)
42 - COAL (\$/TON)	74.33	75.66	(1.34)	(1.8 %)
43 - GAS (\$/MCF)	4.43	4.51	(0.07)	(1.6 %)
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 O L	19.77	20.16	(0.38)	(189.2 %)
49 - COAL	3.23	3.28	(0.05)	(147.7 %)
50 - GAS	4.34	4.45	(0.11)	(240.2 %)
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)	4.10	4.15	(0.05)	(109.9 %)

BTU BURNED PER KWH (BTU/KWH)

55 - HEAVY OIL	0	0	0	0.0 %
56 - LIGHT O L	12,555	12,767	(211)	(1.7 %)
57 - COAL	10,312	10,391	(79)	(0.8 %)
58 - GAS	7,931	7,834	97	1.2 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %
62 - SYSTEM (BTU/KWH)	8,478	8,466	12	0.1 %

GENERATED FUEL COST PER KWH (CENTS/KWH)

63 - HEAVY OIL	0.00	0.00	0.00	0.0 %
64 - LIGHT O L	24.83	25.73	(0.90)	(3.5 %)
65 - COAL	3.33	3.41	(0.08)	(2.2 %)
66 - GAS	3.44	3.49	(0.04)	(1.2 %)
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)	3.48	3.51	(0.03)	(1.0 %)

A-4 System Net Generation and Fuel Cost Report

Duke Energy Florida, LLC

Report Period : 9/1/2018 to 9/1/2018

Run Date: 10/3/2018 11:28:57 AM

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													
Osceola Solar Facility 1													
TOTAL UNIT 1	4	433.00	15					0		0	0	0.00	
Perry Solar Facility 1													
TOTAL UNIT 1	5	0.00						0		0	0	0.00	
Suwanee Solar Facility													
TOTAL UNIT 1	9	1,394.00	22					0		0	0	0.00	
TOTAL Solar	18	1,827.00						0		0	0	0.00	
Steam													
Anclote													
		172,853.00					Gas	1,814,591	1 024	1,858,141	8,278,302	4.789	4.562
TOTAL UNIT 1	511	172,853.00	47			10,750				1,858,141	8,278,302	4.789	
		157,759.00					Gas	1,734,950	1 024	1,776,589	7,914,974	5.017	4.562
TOTAL UNIT 2	514	157,759.00	43			11,261				1,776,589	7,914,974	5.017	
Crystal River 1 & 2													
TOTAL UNIT 1		0.00						0		0	0	0.00	
		99,008.84					Coal	54,125	22 228	1,203,091	5,363,899	5.418	99.102
		0.00					No 2	663	5.758	3,818	77,096	0.000	116.283
TOTAL UNIT 2	448	99,008.84	31			12,190				1,206,908	5,440,995	5.495	
Crystal River 4 & 5													
		359,989.00					Coal	157,658	23 042	3,632,724	10,938,793	3.039	69.383
		0.00					No 2	1,259	5.768	7,261	146,377	0.000	116.265
TOTAL UNIT 4	721	359,989.00	69			10,111				3,639,986	11,085,170	3.079	
		390,915.00					Coal	170,009	23 042	3,917,313	11,795,743	3.017	69.383
		0.00					No 2	1,324	5.768	7,636	153,935	0.000	116.265
TOTAL UNIT 5	721	390,915.00	75			10,040				3,924,950	11,949,677	3.057	
TOTAL Steam	2,915	1,180,525.00				10,509				12,406,573	44,669,118	4.000	

A-4 System Net Generation and Fuel Cost Report

Duke Energy Florida, LLC

Report Period : 9/1/2018 to 9/1/2018

Run Date: 10/3/2018 11:28:57 AM

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 (\$)
Gas Turbine													
Avon Park Peaker													
TOTAL APP	0	0.00	0			0	Gas	0	0.000	0	(53)	0.000	0.000
Bartow Combined Cycle													
TOTAL BCC	1,197	654,739.00	76			7,638	Gas	4,912,453	1.018	5,000,877	20,761,054	3.171	4.226
Bartow Peaker													
TOTAL BAP	171	30.71	2			15,624	No 2	84	5.712	480	8,740	28.459	104.047
		2,711.29					Gas	41,448	1.022	42,360	188,428	6.950	4.546
		2,742.00								42,840	197,168	7.191	
Bayboro Peaker													
TOTAL BYP	59	233.30	1			14,225	No 2	581	5.712	3,319	81,909	35.109	140.979
		233.00								3,319	81,909	35.109	
Citrus County													
TOTAL CCCC	588	21,668.00	5			19,074	Gas	402,831	1.026	413,305	1,635,564	7.548	4.060
		21,668.00								413,305	1,635,564	7.548	
Debary Peaker													
TOTAL DEP	256	602.31	3			13,846	No 2	1,534	5.436	8,339	175,457	29.131	114.379
		4,877.69					Gas	65,887	1.025	67,534	300,546	6.162	4.562
		5,480.00								75,873	476,004	8.686	
Higgins Peaker													
TOTAL HGP	116	1,555.50	2			17,372	Gas	26,389	1.024	27,022	120,070	7.719	4.550
		1,556.00								27,022	120,070	7.719	
Hines Energy													
TOTAL HEP	2,199	1,361,359.00	86			7,203	Gas	9,603,913	1.021	9,805,595	42,001,837	3.085	4.373
		1,361,359.00								9,805,595	42,001,837	3.085	
Intercession City Peaker													
TOTAL ICP	1,139	782.68	10			13,372	No 2	1,804	5.802	10,466	178,081	22.753	98.715
		79,405.62					Gas	1,036,939	1.024	1,061,826	4,408,479	5.552	4.251
		80,188.00								1,072,292	4,586,561	5.720	
Osprey													
TOTAL OSP	600	272,489.00	63			7,342	Gas	1,953,836	1.024	2,000,728	8,309,376	3.049	4.253
		272,489.00								2,000,728	8,309,376	3.049	
Suwannee Peaker													
TOTAL SRP	136	3,101.40	3			14,796	Gas	44,813	1.024	45,889	204,300	6.587	4.559
		3,101.00								45,889	204,300	6.587	
Tiger Bay Cogen													
TOTAL TBP	231	149,732.00	90			7,479	Gas	1,100,100	1.018	1,119,902	4,648,398	3.104	4.225
		149,732.00								1,119,902	4,648,398	3.104	
Univ of Florida Cogen													
TOTAL UFP	47	0.00	59			10,925	No 2	0	0.000	0	0	0.000	0.000
		19,941.50					Gas	212,759	1.024	217,865	867,130	4.348	4.076
		19,942.00								217,865	867,130	4.348	
TOTAL Gas Turbine	6,739	2,573,229.00				7,705				19,825,506	83,889,318	3.260	
SYSTEM TOTAL	9,672	3,755,580.84				8,582				32,232,080	128,558,437	3.423	

A-4 System Net Generation and Fuel Cost Report

Duke Energy Florida, LLC

Report Period : 1/1/2018 to 9/1/2018

Run Date: 10/4/2018 1:18:45 PM

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													
Osceola Solar Facility 1													
TOTAL UNIT 1	4	4,920.00	19			0				0	0	0.000	
Perry Solar Facility 1													
TOTAL UNIT 1	5	4,647.00	14			0				0	0	0.000	
Suwanee Solar Facility													
TOTAL UNIT 1	9	10,982.00	19			0				0	0	0.000	
TOTAL Solar	18	20,549.00				0				0	0	0.000	
Steam													
Anclote													
TOTAL UNIT 1	511	1,305,956.00	39			10,821	Gas	13,812,216	1.023	14,132,142	62,788,536	4.808	4.546
TOTAL UNIT 2	514	839,904.00	25			11,323	Gas	9,294,489	1.023	9,510,236	41,859,741	4.984	4.504
Crystal River 1 & 2													
TOTAL UNIT 1	332	99,401.00	5			11,635	Coal	50,272	22.840	1,148,211	4,899,718	4.929	97.464
		0.00					No 2	1,449	5.747	8,327	188,355	0.000	129.990
TOTAL UNIT 2	448	639,221.14	22			12,549	Coal	356,226	22.271	7,933,441	34,964,110	5.470	98.151
		0.00					No 2	15,329	5.752	88,173	1,810,741	0.000	118.125
TOTAL UNIT 2	448	639,221.14	22			12,549				8,021,614	36,774,850	5.753	
Crystal River 4 & 5													
TOTAL UNIT 4	721	2,820,449.00	60			10,037	Coal	1,218,144	23.168	28,221,661	86,156,345	3.055	70.728
		0.00					No 2	15,102	5.764	87,055	1,885,437	0.000	124.847
TOTAL UNIT 4	721	2,820,449.00	60			10,037				28,308,715	88,041,782	3.122	
TOTAL UNIT 5	721	2,904,650.00	61			10,047	Coal	1,263,398	23.028	29,093,296	88,638,259	3.052	70.159
		0.00					No 2	15,748	5.769	90,856	1,881,403	0.000	119.469
TOTAL UNIT 5	721	2,904,650.00	61			10,047				29,184,152	90,519,661	3.116	
TOTAL Steam	2,915	8,609,581.00				10,490				90,313,397	325,072,644	4.000	

A-4 System Net Generation and Fuel Cost Report

Duke Energy Florida, LLC

Report Period : 1/1/2018 to 9/1/2018

Run Date: 10/4/2018 1:18:45 PM

(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 (\$)	
Gas Turbine														
Avon Park Peaker														
		12.20					No 2	41		5 816	238	4,232	34.695	103.224
		805.30					Gas	15,407		1 022	15,743	65,916	8.185	4.278
TOTAL APP	50	818.00	0			19,549					15,982	70,148	8.581	
Bartow Combined Cycle														
TOTAL BCC	1,197	5,255,613.00	67			7,759	Gas	40,016,056		1 019	40,777,829	178,940,226	3.405	4.472
		5,255,613.00									40,777,829	178,940,226	3.405	
Bartow Peaker														
		1,391.51					No 2	3,831		5.712	21,883	398,604	28.645	104.047
		22,058.39					Gas	339,507		1 022	346,886	1,476,014	6.691	4.348
TOTAL BAP	223	23,450.00	2			15,726					368,768	1,874,618	7.994	
Bayboro Peaker														
		7,716.70					No 2	18,091		5.712	103,336	2,590,474	33.570	143.191
TOTAL BYP	238	7,717.00	0			13,391					103,336	2,590,474	33.570	
Citrus County														
		28,704.00					Gas	501,495		1 027	514,830	1,944,996	6.776	3.878
TOTAL CCCC	588	28,704.00	1			17,936					514,830	1,944,996	6.776	
Debary Peaker														
		22,523.02					No 2	51,731		5.754	300,149	6,033,922	26.790	115.677
		21,076.98					Gas	274,232		1 024	280,879	1,181,868	5.607	4.310
TOTAL DEP	617	43,600.00	1			13,326					581,028	7,215,790	16.550	
Higgins Peaker														
		19,092.90					Gas	327,461		1 023	334,892	1,442,920	7.557	4.406
TOTAL HGP	116	19,093.00	3			17,540					334,892	1,442,920	7.557	
Hines Energy														
		11,032,437.00					Gas	77,731,700		1 021	79,336,896	340,376,212	3.085	4.379
TOTAL HEP	2,199	11,032,437.00	77			7,191					79,336,896	340,376,212	3.085	
Intercession City Peaker														
		21,939.39					No 2	49,955		5 801	289,799	4,859,588	22.150	97.279
		435,819.46					Gas	5,627,162		1 023	5,756,763	25,356,319	5.818	4.506
TOTAL ICP	1,202	457,759.00	6			13,209					6,046,562	30,215,907	6.601	
Osprey														
		1,629,927.00					Gas	11,713,860		1 022	11,972,308	52,869,421	3.244	4.513
TOTAL OSP	600	1,629,927.00	41			7,345					11,972,308	52,869,421	3.244	
Suwannee Peaker														
		1,367.72					No 2	3,460		5 817	20,127	318,208	23.266	91.968
		29,274.28					Gas	420,929		1 023	430,790	1,874,646	6.404	4.454
TOTAL SRP	203	30,642.00	2			14,716					450,917	2,192,854	7.156	
Tiger Bay Cogen														
		1,024,049.00					Gas	7,517,335		1 019	7,661,014	33,264,724	3.248	4.425
TOTAL TBP	231	1,024,049.00	68			7,481					7,661,014	33,264,724	3.248	
Univ of Florida Cogen														
		0.00					No 2	0		0 000	0	0	0.000	0.000
		251,189.50					Gas	2,524,945		1 024	2,585,034	10,511,288	4.185	4.163
TOTAL UFP	47	251,190.00	82			10,291					2,585,034	10,511,288	4.185	
TOTAL Gas Turbine	7,511	19,804,997.00				7,612					150,749,395	663,509,578	3.350	
SYSTEM TOTAL	10,444	28,435,127.49				8,478					241,062,793	988,582,221	3.477	

A-5 System Generation Fuel Cost Report

Duke Energy Florida, LLC

Final

Report Period : 9/1/2018 to 9/1/2018

Run Date: 10/3/2018 11:23:53 AM

	<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)	2,828	1,642	1,186	72.2%
20 - UNIT COST (\$/BBL)	126.88	139.86	(12.98)	(9.3%)
21 - AMOUNT (\$)	358,816	229,657	129,159	56.2%
22 - BURNED				
23 - UNITS (BBL)	7,249	1,642	5,607	341.5%
24 - UNIT COST (\$/BBL)	113.34	139.86	(26.53)	(19.0%)
25 - AMOUNT (\$)	821,595	229,657	591,938	257.7%
26 - ADJUSTMENTS				
27 - UNITS (BBL)	0			
28 - AMOUNT (\$)	0			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	701,462	714,259	(12,797)	(1.8%)
31 - UNIT COST (\$/BBL)	108.79	108.87	(0.08)	(0.1%)
32 - AMOUNT (\$)	76,310,910	77,760,783	(1,449,873)	(1.9%)
33 -				
34 - DAYS SUPPLY	2,903	13,050	(10,147)	(77.8%)

A-5 System Generation Fuel Cost Report

Duke Energy Florida, LLC

Final

Report Period : 9/1/2018 to 9/1/2018

Run Date: 10/3/2018 11:23:53 AM

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	321,638	429,061	(107,423)	(25.0%)
37 - UNIT COST (\$/TON)	65.81	78.92	(13.11)	(16.6%)
38 - AMOUNT (\$)	21,167,127	33,863,154	(12,696,027)	(37.5%)
39 - BURNED				
40 - UNITS (TON)	381,792	429,061	(47,269)	(11.0%)
41 - UNIT COST (\$/TON)	73.60	78.92	(5.33)	(6.8%)
42 - AMOUNT (\$)	28,098,435	33,863,154	(5,764,719)	(17.0%)
43 - ADJUSTMENTS				
44 - UNITS (TON)	0			
45 - AMOUNT (\$)	0			
46 - ENDING INVENTORY				
47 - UNITS (TON)	711,279	914,150	(202,871)	(22.2%)
48 - UNIT COST (\$/TON)	73.76	78.92	(5.17)	(6.5%)
49 - AMOUNT (\$)	52,460,739	72,148,283	(19,687,544)	(27.3%)
50 -				
51 - DAYS SUPPLY	56	64	(8)	(12.6%)
GAS				
52 - BURNED				
53 - UNITS (MCF)	22,950,909	20,703,845	2,247,064	10.9%
54 - UNIT COST (\$/MCF)	4.34	4.52	(0.18)	(4.0%)
55 - AMOUNT (\$)	99,638,407	93,592,570	6,045,837	6.5%
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

Duke Energy Florida, LLC

Report Period : 1/1/2018 to 9/1/2018

Run Date: 10/4/2018 12:32:56 PM

	<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)	118,567	55,825	62,742	112.4%
20 - UNIT COST (\$/BBL)	115.39	110.48	4.91	4.4%
21 - AMOUNT (\$)	13,681,344	6,167,494	7,513,850	121.8%
22 - BURNED				
23 - UNITS (BBL)	174,737	133,161	41,576	31.2%
24 - UNIT COST (\$/BBL)	114.29	116.67	(2.38)	(2.0%)
25 - AMOUNT (\$)	19,970,964	15,536,088	4,434,876	28.5%
26 - ADJUSTMENTS				
27 - UNITS (BBL)	(760)			
28 - AMOUNT (\$)	(99,086)			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	701,462	714,259	(12,797)	(1.8%)
31 - UNIT COST (\$/BBL)	108.79	108.87	(0.08)	(0.1%)
32 - AMOUNT (\$)	76,310,910	77,760,783	(1,449,873)	(1.9%)
33 -				
34 - DAYS SUPPLY	0	0	0	0.0%

A-5 System Generation Fuel Cost Report

Duke Energy Florida, LLC

Report Period : 1/1/2018 to 9/1/2018

Run Date: 10/4/2018 12:32:56 PM

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	2,709,868	3,165,248	(455,380)	(14.4%)
37 - UNIT COST (\$/TON)	73.74	77.16	(3.42)	(4.4%)
38 - AMOUNT (\$)	199,835,384	244,234,266	(44,398,882)	(18.2%)
39 - BURNED				
40 - UNITS (TON)	2,888,040	3,168,519	(280,479)	(8.9%)
41 - UNIT COST (\$/TON)	74.33	75.66	(1.34)	(1.8%)
42 - AMOUNT (\$)	214,658,431	239,743,023	(25,084,592)	(10.5%)
43 - ADJUSTMENTS				
44 - UNITS (TON)	(27,970)			
45 - AMOUNT (\$)	(1,695,365)			
46 - ENDING INVENTORY				
47 - UNITS (TON)	711,279	914,150	(202,871)	(22.2%)
48 - UNIT COST (\$/TON)	73.76	78.92	(5.17)	(6.5%)
49 - AMOUNT (\$)	52,460,739	72,148,283	(19,687,544)	(27.3%)
50 -				
51 - DAYS SUPPLY	0	0	0	0.0%
GAS				
52 - BURNED				
53 - UNITS (MCF)	170,116,794	166,321,292	3,795,502	2.3%
54 - UNIT COST (\$/MCF)	4.43	4.51	(0.07)	(1.6%)
55 - AMOUNT (\$)	753,952,823	749,291,172	4,661,651	0.6%
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
September 2018

(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		3,467		3,467	4.070	5.203	141,130.00	180,387.00	39,257.00
ACTUAL									
Exelon Generation Company, LLC	InternationalSwapsDe	254		254	3.841	5.908	9,755.85	15,006.55	5,250.70
Florida Municipal Power Agency	CR-1	1,200		1,200	4.080	5.896	48,956.00	70,746.00	21,790.00
Florida Power & Light Company	CR-1	560		560	8.887	5.197	49,764.74	29,105.42	(20,659.32)
New Smyrna Beach	CR-1	20		20	8.143	3.304	1,628.60	660.80	(967.80)
Tampa Electric Company	CR-1	430		430	4.403	7.211	18,932.80	31,005.32	12,072.52
The Energy Authority	Schedule OS	1,345		1,345	3.793	5.691	51,021.23	76,542.28	25,521.05
The Energy Authority	EEl	8		8	3.697	2.531	295.74	202.50	(93.24)
Tallahassee (City of)	Schedule A	50		50	1.509	3.139	754.70	1,569.70	815.00
Macquarie Energy LLC		6,400		6,400	4.877	6.675	312,128.00	427,200.00	115,072.00
ADJUSTMENT									
Morgan Stanley Capital Group Inc.	EEl							1,400.00	1,400.00
PJM Settlements								229.26	229.26
Subtotal - Gain on Other Power Sales		10,267		10,267	4.804	6.367	493,237.66	653,667.83	160,430.17
CURRENT MONTH TOTAL		10,267		10,267	4.804	6.367	493,237.66	653,667.83	160,430.17
DIFFERENCE		6,800		6,800	4	6	352,108	473,281	121,173
DIFFERENCE %		196		196	108	112	249	262	309
CUMULATIVE ACTUAL		44,444		44,444	4.690	9.045	2,084,428.69	4,019,798.98	1,935,371.27
CUMULATIVE ESTIMATED		48,349		48,349	4.596	8.632	2,222,312.29	4,173,298.32	1,950,986.03
DIFFERENCE		(3,905)		(3,905)	2.250	2.420	(137,883.60)	(153,499.34)	(15,614.76)
DIFFERENCE %		(8)		(8)	48.951	28.036	(6.20)	(3.68)	(0.80)

DUKE ENERGY FLORIDA, LLC
SCHEDULE A7

PURCHASED POWER
EXCLUSIVE OF ECONOMY PURCHASES
FOR THE MONTH OF:
SEPTEMBER, 2018

(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		199,921			199,921	3.836	3.836	7,669,205.00	7,669,205.00
ACTUAL									
Shady Hills Power Company, L.L.C.	TOLL	62,507			62,507	6.422	6.422	4,014,170.52	4,014,170.52
Southern Power Company	Franklin	199,744			199,744	2.989	2.989	5,971,109.80	5,971,109.80
Vandolah Power Company L.L.C.	TOLL	104,396			104,396	6.014	6.014	6,277,909.10	6,277,909.10
ADJUSTMENTS									
Vandolah Power Company L.L.C.	TOLL	312			312	0.309	0.309	965.10	965.100
Shady Hills Power Company, L.L.C.	TOLL	112			112	(6.207)	(6.207)	(6,952.14)	(6,952.14)
Southern Power Company	Franklin	-			-	-	-	(5,459.35)	(5,459.35)
CURRENT MONTH TOTAL		367,071			367,071	4.427	4.427	16,251,743.03	16,251,743.03
DIFFERENCE		167,150			167,150	0.591	0.591	8,582,538.03	8,582,538.03
DIFFERENCE %		84			84	15.417	15.417	111.91	111.91
CUMULATIVE ACTUAL		2,820,463			2,820,463	4.465	4.465	125,926,970.57	125,926,970.57
CUMULATIVE EST MATED		2,272,201			2,272,201	4.376	4.376	99,427,679.49	99,427,679.49
DIFFERENCE		548,262			548,262	0.089	0.089	26,499,291.08	26,499,291.08
DIFFERENCE %		24			24	2.032	2.032	26.65	26.65

DUKE ENERGY FLORIDA, LLC
SCHEDULE A8

ENERGY PAYMENT TO QUALIFYING FACILITIES
FOR THE MONTH OF:
SEPTEMBER, 2018

(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		254,803	-	-	254,803	4.279	14.182	10,903,647.00
ACTUAL								
Citrus World (CITRUS)	CO-GEN	0			0	2.967	2.967	8.01
ADJ		(24)			(24)			(694.46)
Florida Power Development (FCRUSHAS)	CO-GEN	-			-	-	0	-
ADJ		-			-			-
Florida Power Development (FLACRUSH)	CO-GEN	-			-	-	0	-
ADJ		-			-			-
Lake County (LAKCOUNT)	CO-GEN	783			783	3.194	3.194	25,005.41
ADJ		-			-			494.60
Lee County (LEECOGAS)	CO-GEN	-			-	-	0	-
ADJ		-			-			(29.38)
Metro-Dade County (METRDADE)	CO-GEN	-			-	-	0	-
ADJ		-			-			-
Metro-Dade County (METRDDAS)	CO-GEN	3,761			3,761	3.153	3.153	118,596.18
ADJ		-			-			5,940.97
Orange Cogen (ORANGEAS)	CO-GEN	719			719	2.987	2.987	21,476.02
ADJ		-			-			6.28
Orange Cogen (ORANGECO)	CO-GEN	35,654			35,654	4.335	4.335	1,545,600.90
ADJ		-			-			16,493.37
Orlando Cogen Limited (ORLACOGL)	CO-GEN	86,574			86,574	5.578	5.578	4,829,485.76
ADJ		-			-			50,514.38
Orlando Cogen Limited (ORLCOGAS)	CO-GEN	-			-	-	-	-
ADJ		-			-			-
Pasco County Resource Recovery (PASCOUNT)	CO-GEN	16,833			16,833	2.884	2.884	485,421.14
ADJ		-			-			(8,183.22)
PCS Phosphate (OCSWFCKK)	CO-GEN	12			12	3.419	3.419	414.10
ADJ		12			12			408.99
Pinellas County Resource Recovery (PINCOUNT)	CO-GEN	38,634			38,634	2.888	2.888	1,115,821.07
ADJ		-			-			(17,351.82)
Polk Power Partners, L.P. (MULBERRY)	CO-GEN	37,399			37,399	3.450	3.450	1,290,265.50
ADJ		-			-			33,658.80
Wheelabrator Ridge Energy, Inc. (RIDGEGEN)	CO-GEN	7,131			7,131	5.637	5.637	401,974.47
ADJ		-			-			27,230.78
CURRENT MONTH TOTAL		227,489			227,489	4.371	4.371	9,942,557.85
DIFFERENCE		(27,314)			(27,314)	0.092	(9.811)	(961,089.15)
DIFFERENCE %		(11)			(11)	2.140	(224.488)	(8.81)
CUMULATIVE ACTUAL		2,384,907			2,384,907	4.464	4.464	106,474,044.75
CUMULATIVE ESTIMATED		2,477,528			2,477,528	4.506	4.506	111,643,352.23
CUMULATIVE DIFFERENCE		(92,621)			(92,621)	(0.042)	(0.042)	(5,169,307.48)
CUMULATIVE DIFFERENCE %		(4)			(4)	(0.926)	(0.926)	(4.63)

DUKE ENERGY FLORIDA, LLC.
SCHEDULE A9

ECONOMY ENERGY PURCHASES
INCLUDING LONG TERM PURCHASES
FOR THE MONTH OF:
SEPTEMBER, 2018

(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		7,642	4.483	342,596.00	5.647	431,528.00	88,932.00
ACTUAL:							
Florida Municipal Power Agency	Schedule C						
SubTotal - Energy Purchases (Broker)							
SEPA	Hydro	1,967	3.806	\$74,858.66	0.000	74,858.66	-
Florida Power & Light Company	Transmission Purchase			\$3,338.60			(3,338.60)
Southern Company Services, Inc.	EEI	900	5.800	\$52,200.00	4.466	\$40,194.16	(12,005.84)
Tampa Electric Company	EEI2	3,500	4.497	\$157,400.00	4.508	\$157,767.00	367.00
ADJUSTMENTS							
Duke Power	Transmission Purchase			(3,869.63)			3,869.63
PJM Settlements				1,952.58			(1,952.58)
Florida Power & Light Company				(2,296.13)			2,296.13
Jacksonville Electric Authority				832.96			(832.96)
Southern Company Services	Transmission Purchase			27.98			(27.98)
Tampa Electric Company				(30,746.55)			30,746.55
SubTotal - Energy Purchases (Non-Broker)		6,367	3.985	253,698.47	4.285	272,819.82	19,121.35
CURRENT MONTH TOTAL		6,367	3.985	253,698.47	4.285	272,819.82	19,121.35
DIFFERENCE		(1,275)	(0.498)	(88,897.53)	(1.362)	(158,708.18)	(69,810.65)
DIFFERENCE %		(17)	(11.118)	(25.95)	(24.121)	(36.78)	(78.50)
CUMULATIVE ACTUAL		224,169	4.769	10,691,560.04	6.892	15,450,565.32	4,759,005.28
CUMULATIVE ESTIMATED		174,228	4.525	7,883,089.00	6.051	10,542,451.00	2,659,363.00
DIFFERENCE		49,941	0.245	2,808,471.04	0.841	4,908,114.32	2,099,642.28
DIFFERENCE %		29	5.411	35.63	13.906	46.56	78.95

DUKE ENERGY FLOR DA
 SCHEDULE A12 - CAPACITY COSTS
 FOR THE PERIOD JAN - DEC 2018

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	5,071,564	5,590,987	5,331,276	5,331,276	5,331,276	5,331,276	5,331,276	5,331,276	5,331,276	0	0	0	47,981,480.14
2 Orlando Cogen Limited (ORLACOGL)	QF	79.20	9/1/93 - 12/31/23	5,025,789	5,514,457	5,302,972	5,361,969	5,361,790	5,361,790	5,414,950	5,361,790	5,361,790	0	0	0	48,067,297.19
3 Pasco County Resource Recovery (PASCOUNT)	QF	23.00	1/1/95 - 12/31/24	1,784,800	2,011,580	1,898,190	1,898,190	1,898,190	1,898,190	1,898,190	1,898,190	1,898,190	0	0	0	17,083,710.00
4 Pinellas County Resource Recovery (P NCOUNT)	QF	54.75	1/1/95 - 12/31/24	4,248,600	4,788,435	4,518,518	4,518,518	4,518,518	4,518,518	4,518,518	4,518,518	4,518,518	0	0	0	40,666,657.50
5 Polk Power Partners, L.P. (MULBERRY)	QF	115.00	8/1/94 - 8/8/24	6,965,675	7,676,459	7,321,066	7,321,066	7,321,066	7,321,066	7,321,066	7,321,066	7,321,066	0	0	0	65,889,597.13
6 Wheelabrator Ridge Energy, Inc. (R DGEGEN)	QF	39.60	8/1/94 - 12/31/23	765,872	790,760	798,927	800,946	800,946	800,946	800,946	800,946	800,946	0	0	0	7,161,233.60
7 Southern purchase - Franklin	Other	425	6/1/16 - 5/31/21	4,609,957	4,467,756	2,685,103	2,663,030	2,934,373	4,811,161	6,285,017	6,268,886	4,634,240	0	0	0	39,359,522.98
8 Retail Wheeling				(82,003)	(2,819)	(5,894)	(4,260)	(35,146)	0	0	(567)	(13,875)	0	0	0	(144,564.11)
9 CR-3 Projected Expense				4,290,186	4,261,861	4,233,534	4,205,208	4,176,884	4,148,557	4,120,232	4,091,907	4,063,580	0	0	0	37,591,949.00
10 ISFSI Return				677,047	628,287	579,175	555,717	573,770	573,765	573,771	573,769	573,883	0	0	0	5,309,185.23
SUBTOTAL				33,357,487	35,727,762	32,662,867	32,651,659	32,881,667	34,765,268	36,263,965	36,165,780	34,489,613	0	0	0	308,966,069
Confidential Capacity Contracts (Aggregated):																
Purchases/Sales (Net)	Other	MW	Contracts													
Total		1,176	4	6,240,425	6,374,971	5,301,439	4,841,747	6,213,334	11,147,327	11,401,479	11,227,238	6,132,129	0	0	0	68,880,089
TOTAL				39,597,912	42,102,733	37,964,306	37,493,405	39,095,001	45,912,595	47,665,445	47,393,018	40,621,742	0	0	0	377,846,158