



Matthew R. Bernier
ASSOCIATE GENERAL COUNSEL

December 20, 2018

VIA ELECTRONIC FILING

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

Re: Docket No. 20180001-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 November, 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/cmK
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 November 2018 have been furnished to the following individuals via e-mail on this 20th day of December, 2018.

/s/ Matthew R. Bernier
Attorney

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DUKE ENERGY FLORIDA
FUEL AND PURCHASED POWER

NOVEMBER 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)	101,587,441	98,793,448	2,793,993	2.8	2,706,094	2,758,738	(52,644)	(1.9)	3.7540	3.5811	0.1729	4.8
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	1,176,463	1,248,196	(71,733)	(5.8)	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	102,763,905	100,041,644	2,722,261	2.7	2,706,094	2,758,738	(52,644)	(1.9)	3.7975	3.6264	0.1711	4.7
5 ENERGY COST OF PURCHASED POWER - F RM (SCH A7)	12,901,309	472,290	12,429,019	2,631.7	195,416	12,905	182,511	1,414.3	6.6020	3.6598	2.9422	80.4
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)	673,207	60,855	612,352	1,006.3	13,171	1,658	11,513	694.3	5.1114	3.6699	1.4415	39.3
8 PAYMENTS TO QUAL FYING FAC LITIES (SCH A8)	10,608,497	10,719,470	(110,973)	(1.0)	234,414	257,473	(23,059)	(9.0)	4.5255	4.1633	0.3622	8.7
9 TOTAL COST OF PURCHASED POWER	24,183,012	11,252,615	12,930,397	114.9	443,001	272,036	170,965	62.9	5.4589	4.1364	1.3225	32.0
10 TOTAL AVA LABLE MWH					3,149,095	3,030,774	118,321	3.9				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(110,240)	(346,606)	236,366	(68.2)	(3,200)	(9,720)	6,520	(67.1)	3.4450	3.5658	(0.1208)	(3.4)
11a GA N ON OTHER POWER SALES - 100% (SCH A6)	22,835	(96,412)	119,247	(123.7)	(3,200)	(9,720)	6,520	(67.1)	(0.7136)	0.9919	(1.7055)	(171.9)
11b GA N ON TOTAL POWER SALES - 20% (SCH A6)	(4,567)	19,282	(23,849)	(123.7)	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
12 FUEL COST OF STRATIFIED SALES	(3,337,723)	(1,017,065)	(2,320,657)	228.2	(139,218)	(78,454)	(60,764)	77.5	2.3975	1.2964	1.1011	84.9
13 TOTAL FUEL COST AND GAINS ON POWER SALES	(3,429,695)	(1,440,801)	(1,988,894)	138.0	(142,418)	(88,174)	(54,244)	61.5	2.4082	1.6340	0.7742	47.4
14 NET INADVERTENT AND WHEELED NTERCHANGE					23,157	0	23,157					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	123,517,223	109,853,458	13,663,764	12.4	3,029,834	2,942,599	87,234	3.0	4.0767	3.7332	0.3435	9.2
16 NET UNB LLED	(9,338,515)	(10,326,957)	988,442	(9.6)	229,070	276,624	(47,553)	(17.2)	(0.2877)	(0.3397)	0.0520	(15.3)
17 COMPANY USE	657,995	620,652	37,343	6.0	(16,140)	(16,625)	485	(2.9)	0.0203	0.0204	(0.0001)	(0.5)
18 T & D LOSSES	(127,297)	6,054,896	(6,182,193)	(102.1)	3,123	(162,190)	165,313	(101.9)	(0.0039)	0.1991	(0.2030)	(102.0)
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	123,517,223	109,853,458	13,663,764	12.4	3,245,830	3,040,408	205,421	6.8	3.8054	3.6131	0.1923	5.3
20 WHOLESALE KWH SALES (EXCLUD NG STRAT FIED SALES)	(716,400)	(472,370)	(244,030)	51.7	(18,979)	(13,020)	(5,959)	45.8	3.7747	3.6280	0.1467	4.0
21 JURISDICTIONAL KWH SALES	122,800,823	109,381,088	13,419,734	12.3	3,226,851	3,027,388	199,463	6.6	3.8056	3.6131	0.1925	5.3
22 JURISDICTIONAL KWH SALES ADJUSTED FOR L NE LOSS - 1.00031	122,838,891	109,414,997	13,423,894	12.3	3,226,851	3,027,388	199,463	6.6	3.8068	3.6142	0.1926	5.3
23 PRIOR PERIOD TRUE-UP	8,145,991	8,145,991	(0)	0.0	3,226,851	3,027,388	199,463	6.6	0.2524	0.2691	(0.0167)	(6.2)
24 TOTAL JURISDICTIONAL FUEL COST	130,984,882	117,560,988	13,423,894	11.4	3,226,851	3,027,388	199,463	6.6	4.0592	3.8833	0.1759	4.5
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									4.0621	3.8861	0.1760	4.5
27 GP F	232,768	232,768			3,226,851	3,027,388			0.0072	0.0077	(0.0005)	(6.5)
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									4.069	3.894	0.176	4.5

*Line 15a. MWH Data for Infomational Purposes Only

DUKE ENERGY FLORIDA
FUEL AND PURCHASED POWER
COST RECOVERY CLAUSE CALCULATION
YEAR TO DATE - NOVEMBER 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)	1,207,749,889	1,216,400,027	(8,650,139)	(0.7)	34,495,433	34,643,528	(148,095)	(0.4)	3.5012	3.5112	(0.0100)	(0.3)
2 COAL CAR SALE	(2,066,849)	0	(2,066,849)	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
3 ADJUSTMENTS TO FUEL COST - MISCELLANEOUS	6,213,102	5,028,201	1,184,900	23.6	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	1,211,896,141	1,221,428,229	(9,532,087)	(0.8)	34,495,433	34,643,528	(148,095)	(0.4)	3.5132	3.5257	(0.0125)	(0.4)
5 ENERGY COST OF PURCHASED POWER - F RM (SCH A7)	155,663,639	104,522,357	51,141,282	48.9	3,336,844	2,399,181	937,663	39.1	4.6650	4.3566	0.3084	7.1
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)	12,299,673	8,148,820	4,150,853	50.9	258,856	181,225	77,630	42.8	4.7516	4.4965	0.2551	5.7
8 PAYMENTS TO QUAL FYING FAC LITIES (SCH A8)	126,282,063	129,555,017	(3,272,954)	(2.5)	2,823,519	2,905,618	(82,099)	(2.8)	4.4725	4.4588	0.0137	0.3
9 TOTAL COST OF PURCHASED POWER	294,245,375	242,226,195	52,019,181	21.5	6,419,218	5,486,024	933,195	17.0	4.5838	4.4153	0.1685	3.8
10 TOTAL AVA LABLE MWH					40,914,651	40,129,551	785,099	2.0				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(2,587,628)	(2,655,594)	67,966	(2.6)	(59,106)	(60,736)	1,630	(2.7)	4.3779	4.3724	0.0055	0.1
11a GA N ON OTHER POWER SALES - 100% (SCH A6)	(2,242,949)	(2,071,508)	(171,441)	8.3	(59,106)	(60,736)	1,630	(2.7)	3.7948	3.4107	0.3841	11.3
11b GA N ON TOTAL POWER SALES - 20% (SCH A6)	85,132	50,844	34,288	67.4	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
12 FUEL COST OF STRATIFIED SALES	(40,274,346)	(33,087,199)	(7,187,146)	21.7	(1,944,433)	(1,621,997)	(322,436)	19.9	2.0713	2.0399	0.0314	1.5
13 TOTAL FUEL COST AND GAINS ON POWER SALES	(45,019,790)	(37,763,458)	(7,256,332)	19.2	(2,003,539)	(1,682,733)	(320,807)	19.1	2.2470	2.2442	0.0028	0.1
14 NET INADVERTENT AND WHEELED NTERCHANGE					222,397	96,969	125,428					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	1,461,121,727	1,425,890,966	35,230,761	2.5	39,133,509	38,543,788	589,721	1.5	3.7337	3.6994	0.0343	0.9
16 NET UNB LLED	1,453,769	(12,437,713)	13,891,482	(111.7)	(38,937)	356,324	(395,260)	(110.9)	0.0040	(0.0341)	0.0381	(111.7)
17 COMPANY USE	5,948,745	6,600,898	(652,153)	(9.9)	(159,326)	(178,082)	18,755	(10.5)	0.0163	0.0181	(0.0018)	(9.9)
18 T & D LOSSES	90,818,978	83,790,116	7,028,862	8.4	(2,432,422)	(2,265,650)	(166,772)	7.4	0.2488	0.2298	0.0190	8.3
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	1,461,121,727	1,425,890,966	35,230,761	2.5	36,502,823	36,456,380	46,444	0.1	4.0028	3.9112	0.0916	2.3
20 WHOLESALE KWH SALES (EXCLUD NG STRAT FIED SALES)	(9,552,477)	(8,153,025)	(1,399,452)	17.2	(236,874)	(205,076)	(31,798)	15.5	4.0327	3.9756	0.0571	1.4
21 JURISDICTIONAL KWH SALES	1,451,569,250	1,417,737,941	33,831,309	2.4	36,265,949	36,251,304	14,645	0.0	4.0026	3.9109	0.0917	2.3
22 JURISDICTIONAL KWH SALES ADJUSTED FOR L NE LOSS - 1.00031	1,452,120,651	1,418,278,854	33,841,797	2.4	36,265,949	36,251,304	14,645	0.0	4.0041	3.9124	0.0917	2.3
23 PRIOR PERIOD TRUE-UP	89,605,896	89,605,901	(5)	0.0	36,265,949	36,251,304	14,645	0.0	0.2471	0.2472	(0.0001)	(0.0)
24 TOTAL JURISDICTIONAL FUEL COST	1,541,726,547	1,507,884,755	33,841,792	2.2	36,265,949	36,251,304	14,645	0.0	4.2512	4.1596	0.0916	2.2
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									4.2543	4.1626	0.0917	2.2
27 GP F	2,560,448	2,560,448			36,265,949	36,251,304			0.0071	0.0071	0.0000	100.0
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									4.261	4.170	0.092	2.2

*Line 15a. MWH Data for Infomational Purposes Only

DUKE ENERGY FLORIDA
CALCULATION OF TRUE-UP AND INTEREST PROVISION
NOVEMBER 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	\$101,587,441	98,793,448	\$2,793,993	2.8	\$1,207,749,889	\$1,216,400,027	(\$8,650,139)	(0.7)
1a. COAL CAR SALE	0	0	0	0.0	(2,066,849)	0	(2,066,849)	0.0
2 . FUEL COST OF POWER SOLD	(110,240)	(346,606)	236,366	(68.2)	(2,587,628)	(2,655,594)	67,966	(2.6)
2a. GAS ON POWER SALES	18,268	(96,412)	114,680	(119.0)	(2,157,817)	(2,071,508)	(86,309)	4.2
3 . FUEL COST OF PURCHASED POWER	12,901,309	472,290	12,429,019	2,631.7	155,663,639	104,522,357	51,141,282	48.9
3a. ENERGY PAYMENTS TO QUALIFYING FACILITIES	10,608,497	10,719,470	(110,973)	(1.0)	126,282,063	129,555,017	(3,272,954)	(2.5)
4 . ENERGY COST OF ECONOMY PURCHASES	673,207	60,855	612,352	1,006.3	12,299,673	8,148,820	4,150,853	50.9
5 . TOTAL FUEL & NET POWER TRANSACTIONS	125,678,482	109,603,045	16,075,437	14.7	1,495,182,971	1,453,899,120	41,283,851	2.8
6 . ADJUSTMENTS TO FUEL COST:								
6a. FUEL COST OF STRATIFIED SALES	(3,337,723)	(1,017,065)	(2,320,657)	228.2	(40,274,346)	(33,087,199)	(7,187,146)	21.7
6b. OTHER- JURISDICTIONAL ADJUSTMENTS (see detail below)	1,176,463	1,248,196	(71,733)	(5.8)	6,213,102	5,028,201	1,184,900	23.6
6c. OTHER - PRIOR PERIOD ADJUSTMENT	0	0	0	0.0	0	0	0	0.0
7 . ADJUSTED TOTAL FUEL & NET PWR TRNS	\$123,517,223	\$109,834,176	\$13,683,047	12.5	\$1,461,121,727	\$1,425,840,122	\$35,281,605	2.5

FOOTNOTE: DETAIL OF LINE 6b ABOVE

INSPECTION & FUEL ANALYSIS REPORTS (Wholesale Portion)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CITRUS CC INEFFICIENT USE	0	0	0	(1,502,363)	0	(1,502,363)	
UNIVERSITY OF FLORIDA STEAM REVENUE ALLOCATION (Wholesale Portion)	580	0	580	7,020	0	7,020	
FDP AGREEMENT TERM NATION	0	0	0	0	0	0	
TANK BOTTOM ADJUSTMENT	(72,813)	0	(72,813)	(171,899)	0	(171,899)	
AERIAL SURVEY ADJUSTMENT (Coal Pile)	0	0	0	1,695,365	0	1,695,365	
FDP AGREEMENT TERM NATION	1,248,696	0	1,248,696	6,081,032	0	6,081,032	
RAIL CAR SALE PROCEEDS	0	0	0	0	0	0	
Gain/Loss on Disposition of Oil	0	0	0	0	0	0	
NET METER SETTLEMENT	0	0	0	103,947	0	103,947	
N/A - Not used	0	0	0	0	0	0	
Derivative Collateral Interest	0	0	0	0	0	0	
SUBTOTAL LINE 6b SHOWN ABOVE	\$1,176,463	\$0	\$1,176,463	\$6,213,102	\$0	\$6,213,102	

B. KWH SALES								
1 . JURISDICTIONAL SALES	3,226,850,858	3,027,388,188	199,462,670	6.6	36,265,948,378	36,251,303,523	14,644,855	0.0
2 . NON JURISDICTIONAL (WHOLESALE) SALES	18,978,800	13,020,000	5,958,800	45.8	236,817,950	205,076,074	31,741,876	15.5
3 . TOTAL SALES	3,245,829,658	3,040,408,188	205,421,470	6.8	36,502,766,328	36,456,379,597	46,386,731	0.1
4 . JURISDICTIONAL SALES % OF TOTAL SALES	99.42	99.57	(0.15)	(0.2)	99.35	99.44	(0.09)	(0.1)

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

	CURRENT MONTH				YEAR TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT
C. TRUE UP CALCULATION								
1. JURISDICTIONAL FUEL REVENUE	\$131,568,741	\$124,851,565	\$6,717,176	5.4	\$1,487,684,991	\$1,484,885,213	\$2,799,779	0.2
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	(89,605,896)	(89,605,901)	5	0.0
2b. NCENTIVE PROVISION	(232,768)	(232,768)	0	0.0	(2,560,448)	(2,560,448)	0	0.0
3. TOTAL JURISDICTIONAL FUEL REVENUE	123,189,983	116,472,806	6,717,177	5.8	1,395,518,647	1,392,718,864	2,799,783	0.2
4. ADJ TOTAL FUEL & NET PWR TRNS (L NE A7)	123,517,223	109,834,176	13,683,047	12.5	1,461,121,727	1,425,840,122	35,281,605	2.5
5. JURISDICTIONAL SALES % OF TOT SALES (L NE B4)	99.42	99.57	(0.15)	(0.2)	99.35	99.44	(0.09)	(0.1)
6. JURISDICTIONAL FUEL & NET POWER TRANSACTIONS (L NE C4 * LINE C5 * 1.00031 LOSS MULT PL ER)	122,838,891	109,414,997	13,423,894	12.3	1,452,120,651	1,418,278,854	33,841,797	2.4
7. TRUE UP PROVISION FOR THE MONTH OVER/(UNDER) COLLECTION (L NE C3 - C6)	351,092	7,057,809	(6,706,718)	(95.0)	(56,602,004)	(25,559,990)	(31,042,013)	121.5
8. NTEREST PROVISION FOR THE MONTH (L NE D10)	(353,526)	(253,058)	(100,468)	39.7	(3,575,123)	(3,303,119)	(272,004)	8.2
9. TRUE UP & INTEREST PROVISION BEG OF MONTH/PERIOD	(190,314,765)	(165,807,932)	(24,506,833)	14.8	(211,599,978)	(211,599,981)	3	0.0
10. TRUE UP COLLECTED (REFUNDED)	8,145,991	8,145,991	(0)	0.0	89,605,896	89,605,901	(5)	0.0
11. END OF PERIOD TOTAL NET TRUE UP (LINES C7 + C8 + C9 + C10)	(182,171,209)	(150,857,190)	(31,314,019)	20.8	(182,171,209)	(150,857,190)	(31,314,019)	20.8
12. OTHER:	0				0		0	
13. END OF PERIOD TOTAL NET TRUE UP (L NES C11 + C12)	(\$182,171,209)	(150,857,190)	(31,314,019)	20.8	(\$182,171,209)	(150,857,190)	(31,314,019)	20.8
D. NTEREST PROVISION								
1. BEGINNING TRUE UP (LINE C9)	(\$190,314,765)	N/A	--	--				
2. ENDING TRUE UP (LINES C7 + C9 + C10 + C12)	(181,817,683)	N/A	--	--				
3. TOTAL OF BEGINNING & END NG TRUE UP	(372,132,448)	N/A	--	--			NOT	
4. AVERAGE TRUE UP (50% OF L NE D3)	(186,066,224)	N/A	--	--				
5. NTEREST RATE - F RST DAY OF REPORTING MONTH	2.270	N/A	--	--				
6. NTEREST RATE - F RST DAY OF SUBSEQUENT MONTH	2.300	N/A	--	--				
7. TOTAL (L NE D5 + LINE D6)	4.570	N/A	--	--				
8. AVERAGE INTEREST RATE (50% OF L NE D7)	2.285	N/A	--	--				
9. MONTHLY AVERAGE INTEREST RATE (LINE D8/12)	0.190	N/A	--	--				
10. NTEREST PROVISION (LINE D4 * L NE D9)	(\$353,526)	N/A	--	--				

A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Report Period : **Final**
11/1/2018 to 11/1/2018
Run Date: 12/11/2018 11:05:38 AM

	<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		923,691	144,535	779,156	539.1 %
3 - COAL		16,056,448	25,902,130	(9,845,682)	(38.0 %)
4 - GAS		84,607,302	72,746,783	11,860,519	16.3 %
5 - NUCLEAR		0	0	0	0.0 %
6		0	0	0	0.0 %
7		0	0	0	0.0 %
8 - TOTAL (\$)		101,587,441	98,793,448	2,793,993	2.8 %
SYSTEM NET GENERATION (MWH)					
9 - HEAVY O L		0	0	0	0.0 %
10 - LIGHT O L		3,596	0	3,596	0.0 %
11 - COAL		524,434	779,965	(255,531)	(32.8 %)
12 - GAS		2,176,477	1,975,778	200,699	10.2 %
13 - NUCLEAR		0	0	0	0.0 %
14 - SOLAR		1,586	2,995	(1,409)	(47.0 %)
15		0	0	0	0.0 %
16 - TOTAL (MWH)		2,706,093	2,758,738	(52,645)	(1.9 %)
UNITS OF FUEL BURNED					
17 - HEAVY OIL (BBL)		0	0	0	0.0 %
18 - LIGHT O L (BBL)		8,248	784	7,464	952.0 %
19 - COAL (TON)		230,433	341,675	(111,242)	(32.6 %)
20 - GAS (MCF)		16,770,330	14,361,426	2,408,904	16.8 %
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		46,428	4,565	41,863	917.0 %
26 - COAL		5,320,237	8,029,140	(2,708,903)	(33.7 %)
27 - GAS		17,120,240	14,361,426	2,758,814	19.2 %
28 - NUCLEAR		0	0	0	0.0 %
29		0	0	0	0.0 %
30		0	0	0	0.0 %
31 - TOTAL (M LLION BTU)		22,486,905	22,395,131	91,774	0.4 %
GENERATION MIX (%MWH)					
32 - HEAVY OIL		0.0	0.00	0.0	0.0 %
33 - LIGHT O L		0.1	0.00	0.1	0.0 %
34 - COAL		19.4	28.27	(8.9)	(31.5 %)
35 - GAS		80.4	71.62	8.8	12.3 %
36 - NUCLEAR		0.0	0.00	0.0	0.0 %
37 - SOLAR		0.06	0.11	(0.05)	(46.0 %)
38		0	0	0	0
39 - TOTAL (% MWH)		100	100	0.0	0 %

A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Report Period : **Final**
11/1/2018 to 11/1/2018
Run Date: 12/11/2018 11:05:38 AM

FUEL COST PER UNIT (\$)				
40 - HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.0 %
41 - LIGHT O L (\$/BBL)	111.99	184.36	(72.37)	(39.3 %)
42 - COAL (\$/TON)	69.68	75.81	(6.13)	(8.1 %)
43 - GAS (\$/MCF)	5.05	5.07	(0.02)	(0.4 %)
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	19.90	31.66	(11.77)	(37.2 %)
49 - COAL	3.02	3.23	(0.21)	(6.4 %)
50 - GAS	4.94	5.07	(0.12)	(2.4 %)
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)	4.52	4.41	0.11	2.4 %
BTU BURNED PER KWH (BTU/KWH)				
55 - HEAVY OIL	0	0	0	0.0 %
56 - LIGHT O L	12,910	0	12,910	0.0 %
57 - COAL	10,145	10,294	(150)	(1.5 %)
58 - GAS	7,866	7,269	597	8.2 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %
62 - SYSTEM (BTU/KWH)	8,310	8,118	192	2.4 %
GENERATED FUEL COST PER KWH (CENTS/KWH)				
63 - HEAVY OIL	0.00	0.00	0.00	0.0 %
64 - LIGHT O L	25.68	0.00	25.68	0.0 %
65 - COAL	3.06	3.32	(0.26)	(7.8 %)
66 - GAS	3.89	3.68	0.21	5.6 %
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)	3.75	3.58	0.17	4.8 %

A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Report Period : 1/1/2018 to 11/1/2018

Run Date: 12/11/2018 12:06:51 PM

FUEL COST OF SYSTEM	ACTUAL	ESTIMATED	DIFFERENCE	DIFFERENCE (%)
NET GENERATION (\$)				
1 - HEAVY O L	0	0	0	0.0 %
2 - LIGHT OIL	22,113,515	15,839,752	6,273,763	39.6 %
3 - COAL	260,175,838	293,906,179	(33,730,341)	(11.5 %)
4 - GAS	925,460,535	906,654,097	18,806,438	2.1 %
5 - NUCLEAR	0	0	0	0.0 %
6	0	0	0	0.0 %
7	0	0	0	0.0 %
8 - TOTAL (\$)	1,207,749,889	1,216,400,028	(8,650,139)	(0.7 %)
SYSTEM NET GENERATION (MWH)				
9 - HEAVY O L	0	0	0	0.0 %
10 - LIGHT O L	88,127	60,434	27,693	45.8 %
11 - COAL	7,875,103	8,661,464	(786,361)	(9.1 %)
12 - GAS	26,508,008	25,888,107	619,901	2.4 %
13 - NUCLEAR	0	0	0	0.0 %
14 - SOLAR	24,194	33,526	(9,332)	(27.8 %)
15	0	0	0	0.0 %
16 - TOTAL (MWH)	34,495,432	34,643,531	(148,099)	(0.4 %)
UNITS OF FUEL BURNED				
17 - HEAVY O L (BBL)	0	0	0	0.0 %
18 - LIGHT O L (BBL)	193,670	134,885	58,785	43.6 %
19 - COAL (TON)	3,518,473	3,882,958	(364,485)	(9.4 %)
20 - GAS (MCF)	205,337,617	199,005,683	6,331,934	3.2 %
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 O L	1,116,218	780,851	335,367	42.9 %
26 - COAL	80,877,022	89,831,236	(8,954,214)	(10.0 %)
27 - GAS	209,631,562	201,122,292	8,509,270	4.2 %
28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (MILLION BTU)	291,624,802	291,734,379	(109,577)	(0.0 %)
GENERATION MIX (% MWH)				
32 - HEAVY O L	0.0	0.00	0.0	0.0 %
33 - LIGHT O L	0.3	0.17	0.1	46.4 %
34 - COAL	22.8	25.00	(2.2)	(8.7 %)
35 - GAS	76.8	74.73	2.1	2.8 %
36 - NUCLEAR	0.0	0.00	0.0	0.0 %
37 - SOLAR	0.07	0.10	(0.03)	(27.5 %)
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 : 1/1/2018 to 11/1/2018

Run Date: 12/11/2018 12:06:51 PM

FUEL COST PER UNIT (\$)				
40 - HEAVY O L (\$/BBL)	0.00	0.00	0 00	0.0 %
41 - LIGHT O L (\$/BBL)	114.18	117.43	(3 25)	(2.8 %)
42 - COAL (\$/TON)	73.95	75.69	(1.75)	(2.3 %)
43 - GAS (\$/MCF)	4.51	4.56	(0 05)	(1.1 %)
44 - NUCLEAR (\$/MBTU)	0.00	0.00	0 00	0.0 %
45	0.00	0.00	0 00	0.0 %
46	0.00	0.00	0 00	0.0 %
FUEL COST PER MILLION BTU (\$/MILLION BTU)				
47 - HEAVY O L	0.00	0.00	0 00	0.0 %
48 - LIGHT O L	19.81	20.29	(0.47)	(2.3 %)
49 - COAL	3.22	3.27	(0 05)	(1.7 %)
50 - GAS	4.41	4.51	(0 09)	(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)	4.14	4.17	(0 03)	(0.7 %)
BTU BURNED PER KWH (BTU/KWH)				
55 - HEAVY O L	0	0	0	0.0 %
56 - LIGHT O L	12,666	12,921	(255)	(2.0 %)
57 - COAL	10,270	10,371	(101)	(1.0 %)
58 - GAS	7,908	7,769	139	1.8 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %
62 - SYSTEM (BTU/KWH)	8,454	8,421	33	0.4 %
GENERATED FUEL COST PER KWH (CENTS/KWH)				
63 - HEAVY O L	0.00	0.00	0 00	0.0 %
64 - LIGHT O L	25.09	26.21	(1.12)	(4.3 %)
65 - COAL	3.30	3.39	(0 09)	(2.6 %)
66 - GAS	3.49	3.50	(0 01)	(0.3 %)
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)	3.50	3.51	(0 01)	(0.3 %)

A-4 System Net Generation and Fuel Cost Report

Duke Energy Florida, LLC

Report Period : 11/1/2018 to 11/1/2018

Run Date: 12/11/2018 11:11:34 AM

(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	520.00	18					0		0	0	0.000	
Perry Solar Facility 1													
TOTAL UNIT 1	5	0.00						0		0	0	0.000	
Suwanee Solar Facility													
TOTAL UNIT 1	9	1,066.00	16					0		0	0	0.000	
TOTAL Solar	18	1,586.00						0		0	0	0.000	
Steam													
Anclote													
TOTAL UNIT 1	511	49,584.00	13			10,468	Gas	505,889	1.026	519,042	2,977,455	6.005	5.886
TOTAL UNIT 2	514	100,388.00	27			11,091	Gas	1,085,208	1.026	1,113,423	6,387,090	6.362	5.886
Crystal River 1 & 2													
TOTAL UNIT 1		0.00				0				0	0	0.000	
TOTAL UNIT 2	448	0.00				0	No 2	5	5.796	29	556	0.000	111.288
Crystal River 4 & 5													
TOTAL UNIT 4	721	136,228.00	26			10,090	Coal	59,260	23.088	1,368,195	4,129,205	3.031	69.679
TOTAL UNIT 5	721	389,819.00	75			10,164	No 2	1,731	5.761	9,973	203,322	0.000	117.459
TOTAL Steam	2,915	676,019.00				10,309				6,969,077	25,754,782	4.000	

A-4 System Net Generation and Fuel Cost Report

Duke Energy Florida, LLC

Report Period : 11/1/2018 to 11/1/2018

Run Date: 12/11/2018 11:11:34 AM

(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													
TOTAL APP	0	0.00	0				Gas	0	0.000	0	40	0.000	0.000
		0.00				0				0	40	0.000	
Bartow Combined Cycle													
TOTAL BCC	1,197	597,846.00	69			7,647	Gas	4,495,178	1.017	4,571,596	23,342,635	3.904	5.193
		597,846.00								4,571,596	23,342,635	3.904	
Bartow Peaker													
TOTAL BAP	223	1,113.00	1			17,111	No 2 Gas	488 15,861	5.712 1.025	2,787 16,258	50,775 93,457	31.169 9.837	104.047 5.892
		1,113.00								19,045	144,232	12.959	
Bayboro Peaker													
TOTAL BYP	118	40.60	0			21,807	No 2	155	5.712	885	21,865	53.855	141.066
		41.00								885	21,865	53.855	
Citrus County													
TOTAL CCCC	1,820	401,523.00	31			7,574	Gas	2,970,000	1.024	3,041,280	12,418,425	3.093	4.181
		401,523.00								3,041,280	12,418,425	3.093	
Debary Peaker													
TOTAL DEP	647	1,117.00	0			14,427	No 2 Gas	2,954 36	5.443 1.026	16,077 37	337,875 859	30.318 33.540	114.379 23.853
		1,117.00								16,114	338,734	30.325	
Higgins Peaker													
TOTAL HGP	116	2,339.40	3			17,486	Gas	39,871	1.026	40,908	233,804	9.994	5.864
		2,339.00								40,908	233,804	9.994	
Hines Energy													
TOTAL HEP	1,655	783,906.00	66			7,288	Gas	5,600,925	1.020	5,712,944	28,361,330	3.618	5.064
		783,906.00								5,712,944	28,361,330	3.618	
Intercession City Peaker													
TOTAL ICP	1,202	35,447.00	4			13,894	No 2 Gas	1,776 471,360	5.802 1.023	10,304 482,201	175,391 2,462,601	23.651 7.096	98.756 5.224
		35,447.00								492,505	2,637,991	7.442	
Osprey													
TOTAL OSP	600	113,462.00	26			7,393	Gas	820,818	1.022	838,876	4,283,491	3.775	5.219
		113,462.00								838,876	4,283,491	3.775	
Suwannee Peaker													
TOTAL SRP	136	2,233.10	2			14,526	Gas	31,616	1.026	32,438	186,159	8.336	5.888
		2,233.00								32,438	186,159	8.336	
Tiger Bay Cogen													
TOTAL TBP	231	63,791.50	38			7,493	Gas	467,245	1.023	477,992	2,440,758	3.826	5.224
		63,792.00								477,992	2,440,758	3.826	
Univ of Florida Cogen													
TOTAL UFP	47	25,670.00	76			10,645	No 2 Gas	0 266,323	0.000 1.026	0 273,246	3,997 1,419,200	0.000 5.529	0.000 5.329
		25,670.00								273,246	1,423,196	5.544	
TOTAL Gas Turbine	7,992	2,028,489.00				7,650				15,517,829	75,832,660	3.738	
SYSTEM TOTAL	10,925	2,706,093.60				8,310				22,486,905	101,587,441	3.754	

A-4 System Net Generation and Fuel Cost Report

Duke Energy Florida, LLC

Report Period : 1/1/2018 to 11/1/2018

Run Date: 12/11/2018 12:11:49 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) FUE L	(I) FUEL BURN (UNITS)	(J) FUEL HEAT VALUE (MMBTU/UNIT)	(K) FUEL BURNED (MMBTU)	(L) AS BURNED FUEL	(M) FUEL COST PER KWH (CENTS/KWH)	(N) FUEL COST PER UNIT (\$)
Solar													
Osceola Solar Facility 1													
TOTAL UNIT 1	4	5,870.00	18				0			0	0	0.000	
Perry Solar Facility 1													
TOTAL UNIT 1	5	4,647.00	12				0			0	0	0.000	
Suwanee Solar Facility													
TOTAL UNIT 1	9	13,677.00	19				0			0	0	0.000	
TOTAL Solar	18	24,194.00					0			0	0	0.000	
Steam													
Anclote													
		1,508,323.00					Gas	15,971,041	1 024	16,347,096	74,672,725	4.951	4.676
TOTAL UNIT 1	511	1,508,323.00	37			10,838				16,347,096	74,672,725	4.951	
		1,078,959.00					Gas	11,877,670	1 024	12,160,580	56,318,557	5.220	4.742
TOTAL UNIT 2	514	1,078,959.00	26			11,271				12,160,580	56,318,557	5.220	
Crystal River 1 & 2													
		99,401.00					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 1	332	99,401.00	4			11,635				1,156,538	5,088,073	5.119	
		717,073.42					Coal	398,736	22 266	8,878,353	39,185,374	5.465	98.274
		0.00					No 2	15,578	5.752	89,607	1,839,995	0.000	118.115
TOTAL UNIT 2	448	717,073.42	20			12,506				8,967,960	41,025,369	5.721	
Crystal River 4 & 5													
		3,397,133.00					Coal	1,464,401	23.141	33,887,122	103,488,009	3.046	70.669
		0.00					No 2	16,666	5.764	96,068	2,069,142	0.000	124.154
TOTAL UNIT 4	721	3,397,133.00	59			10,003				33,983,190	105,557,152	3.107	
		3,689,156.00					Coal	1,605,064	23 029	36,963,336	112,602,737	3.052	70.155
		0.00					No 2	18,634	5.770	107,523	2,220,387	0.000	119.158
TOTAL UNIT 5	721	3,689,156.00	64			10,049				37,070,859	114,823,124	3.112	
TOTAL Steam	2,915	10,490,045.00				10,456				109,686,222	397,484,999	4.000	

A-4 System Net Generation and Fuel Cost Report

Duke Energy Florida, LLC

Report Period : 1/1/2018 to 11/1/2018

Run Date: 12/11/2018 12:11:49 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) FUE L	(I) FUEL BURN (UNITS)	(J) FUEL HEAT VALUE (MMBTU/UNIT)	(K) FUEL BURNED (MMBTU)	(L) AS BURNED FUEL	(M) FUEL COST PER KWH (CENTS/KWH)	(N) FUEL COST PER UNIT (\$)
Gas Turbine													
Avon Park Peaker													
		21 65					No 2	74	5.816	430	7,672	35.433	103.678
		880 65					Gas	17,126	1.022	17,505	75,556	8.580	4.412
TOTAL APP	50	902 00	0			19,878				17,936	83,228	9.224	
Bartow Combined Cycle													
TOTAL BCC	1,197	6,528,435 00	68			7,728	Gas	49,522,349	1.019	50,450,740	226,531,671	3.470	4.574
		6,528,435 00								50,450,740	226,531,671	3.470	
Bartow Peaker													
		1,593 27					No 2	4,390	5.712	25,076	456,767	28.668	104.047
		25,664 63					Gas	395,230	1.022	403,922	1,787,871	6.966	4.524
TOTAL BAP	223	27,258 00	2			15,738				428,998	2,244,638	8.235	
Bayboro Peaker													
TOTAL BYP	238	7,855.50	0			13,982	No 2	19,229	5.712	109,836	2,751,007	35.020	143.066
		7,856 00								109,836	2,751,007	35.020	
Citrus County													
TOTAL CCCC	1,820	593,625 00	4			8,424	Gas	4,879,724	1.025	5,000,953	19,855,542	3.345	4.069
		593,625 00								5,000,953	19,855,542	3.345	
Debary Peaker													
		25,673.79					No 2	60,754	5.710	346,912	7,016,666	27.330	115.493
		22,917 21					Gas	302,288	1.024	309,664	1,350,535	5.893	4.468
TOTAL DEP	647	48,591 00	1			13,512				656,576	8,367,201	17.220	
Higgins Peaker													
TOTAL HGP	116	23,916.50	3			17,501	Gas	409,056	1.023	418,567	1,900,596	7.947	4.646
		23,916 00								418,567	1,900,596	7.947	
Hines Energy													
TOTAL HEP	2,199	12,734,056.70	72			7,142	Gas	89,110,706	1.021	90,949,260	393,463,971	3.090	4.415
		12,734,057 00								90,949,260	393,463,971	3.090	
Intercession City Peaker													
		23,493.19					No 2	53,204	5.801	311,149	5,222,927	22.232	97.379
		506,378.11					Gas	6,554,285	1.023	6,706,578	30,158,485	5.956	4.601
TOTAL ICP	1,202	529,871 00	5			13,244				7,017,726	35,381,412	6.677	
Osprey													
TOTAL OSP	600	1,939,112 00	40			7,339	Gas	13,920,068	1.022	14,231,209	63,978,585	3.299	4.596
		1,939,112 00								14,231,209	63,978,585	3.299	
Suwannee Peaker													
		1,452 20					No 2	3,660	5.817	21,290	336,602	23.179	91.968
		36,220 80					Gas	518,685	1.024	531,021	2,410,094	6.654	4.647
TOTAL SRP	203	37,673 00	2			14,661				552,312	2,746,696	7.291	
Tiger Bay Cogen													
TOTAL TBP	231	1,212,922.50	66			7,436	Gas	8,846,726	1.020	9,019,257	39,948,373	3.294	4.516
		1,212,922 00								9,019,257	39,948,373	3.294	
Univ of Florida Cogen													
		0 00					No 2	0	0.000	0	3,997	0.000	0.000
		296,975.40					Gas	3,012,663	1.024	3,085,211	13,007,976	4.380	4.318
TOTAL UFP	47	296,975 00	79			10,389				3,085,211	13,011,973	4.381	
TOTAL Gas Turbine	8,773	23,981,194 00				7,587				181,938,580	810,264,893	3.379	
SYSTEM TOTAL	11,706	34,495,433.52				8,454				291,624,802	1,207,749,892	3.501	

A-5 System Generation Fuel Cost Report

Final

Report Period : 11/1/2018 to 11/1/2018

Duke Energy Florida, LLC

Run Date: 12/11/2018 11:27:02 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)	0	784	(784)	(100.0%)
20 - UNIT COST (\$/BBL)	0.00	184.36	(184.36)	(100.0%)
21 - AMOUNT (\$)	0	144,535	(144,535)	(100.0%)
22 - BURNED				
23 - UNITS (BBL)	8,248	784	7,464	952.0%
24 - UNIT COST (\$/BBL)	111.99	184.36	(72.37)	(39.3%)
25 - AMOUNT (\$)	923,691	144,535	779,156	539.1%
26 - ADJUSTMENTS				
27 - UNITS (BBL)	620			
28 - AMOUNT (\$)	72,813			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	684,386	714,259	(29,873)	(4.2%)
31 - UNIT COST (\$/BBL)	108.71	108.87	(0.16)	(0.1%)
32 - AMOUNT (\$)	74,399,117	77,760,783	(3,361,666)	(4.3%)
33 -				
34 - DAYS SUPPLY	2,489	27,331	(24,842)	(90.9%)

A-5 System Generation Fuel Cost Report

Final

Report Period : 11/1/2018 to 11/1/2018

Duke Energy Florida, LLC

Run Date: 12/11/2018 11:27:02 AM

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	263,214	341,675	(78,461)	(23.0%)
37 - UNIT COST (\$/TON)	67.31	75.81	(8.50)	(11.2%)
38 - AMOUNT (\$)	17,716,374	25,902,130	(8,185,756)	(31.6%)
39 - BURNED				
40 - UNITS (TON)	230,433	341,675	(111,242)	(32.6%)
41 - UNIT COST (\$/TON)	69.68	75.81	(6.13)	(8.1%)
42 - AMOUNT (\$)	16,056,448	25,902,130	(9,845,682)	(38.0%)
43 - ADJUSTMENTS				
44 - UNITS (TON)	0			
45 - AMOUNT (\$)	0			
46 - ENDING INVENTORY				
47 - UNITS (TON)	709,015	914,150	(205,135)	(22.4%)
48 - UNIT COST (\$/TON)	72.19	75.81	(3.61)	(4.8%)
49 - AMOUNT (\$)	51,186,954	69,301,072	(18,114,118)	(26.1%)
50 -				
51 - DAYS SUPPLY	92	80	12	15.0%
GAS				
52 - BURNED				
53 - UNITS (MCF)	16,770,330	14,361,426	2,408,904	16.8%
54 - UNIT COST (\$/MCF)	5.05	5.07	(0.02)	(0.4%)
55 - AMOUNT (\$)	84,607,302	72,746,783	11,860,519	16.3%
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%

A-5 System Generation Fuel Cost Report

Report Period : 1/1/2018 to 11/1/2018

Duke Energy Florida, LLC

Run Date: 12/11/2018 12:33:53 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)	119,805	57,549	62,256	108.2%
20 - UNIT COST (\$/BBL)	115.52	112.45	3.07	2.7%
21 - AMOUNT (\$)	13,839,289	6,471,158	7,368,131	113.9%
22 - BURNED				
23 - UNITS (BBL)	193,670	134,885	58,785	43.6%
24 - UNIT COST (\$/BBL)	114.18	117.43	(3.25)	(2.8%)
25 - AMOUNT (\$)	22,113,515	15,839,752	6,273,763	39.6%
26 - ADJUSTMENTS				
27 - UNITS (BBL)	(1,380)			
28 - AMOUNT (\$)	(171,899)			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	684,386	714,259	(29,873)	(4.2%)
31 - UNIT COST (\$/BBL)	108.71	108.87	(0.16)	(0.1%)
32 - AMOUNT (\$)	74,399,117	77,760,783	(3,361,666)	(4.3%)
33 -				
34 - DAYS SUPPLY	0	0	0	0.0%

A-5 System Generation Fuel Cost Report

Report Period : 1/1/2018 to 11/1/2018

Duke Energy Florida, LLC

Run Date: 12/11/2018 12:33:53 PM

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	3,338,037	3,879,687	(541,650)	(14.0%)
37 - UNIT COST (\$/TON)	73.12	76.91	(3.79)	(4.9%)
38 - AMOUNT (\$)	244,079,007	298,397,422	(54,318,415)	(18.2%)
39 - BURNED				
40 - UNITS (TON)	3,518,473	3,882,958	(364,485)	(9.4%)
41 - UNIT COST (\$/TON)	73.95	75.69	(1.75)	(2.3%)
42 - AMOUNT (\$)	260,175,838	293,906,179	(33,730,341)	(11.5%)
43 - ADJUSTMENTS				
44 - UNITS (TON)	(27,970)			
45 - AMOUNT (\$)	(1,695,365)			
46 - ENDING INVENTORY				
47 - UNITS (TON)	709,015	914,150	(205,135)	(22.4%)
48 - UNIT COST (\$/TON)	72.19	75.81	(3.61)	(4.8%)
49 - AMOUNT (\$)	51,186,954	69,301,072	(18,114,118)	(26.1%)
50 -				
51 - DAYS SUPPLY	0	0	0	0.0%
GAS				
52 - BURNED				
53 - UNITS (MCF)	205,337,617	199,005,683	6,331,934	3.2%
54 - UNIT COST (\$/MCF)	4.51	4.56	(0.05)	(1.1%)
55 - AMOUNT (\$)	925,460,535	906,654,097	18,806,438	2.1%
NUCLEAR				
56 - BURNED				
57 - UNITS (MMBTU)	0	0	0	0.0%
58 - UNIT COST (\$/MMBTU)	0.00	0.00	0.00	0.0%
59 - AMOUNT (\$)	0	0	0	0.0%

ATTACHMENT #1
 SCHEDULE A-5
 November 2018

HEAVY OIL		
UNITS	AMOUNT	ADJUSTMENTS EXPLANATION
-	-	TOTAL

LIGHT OIL		
UNITS	AMOUNT	ADJUSTMENTS EXPLANATION
620	\$72,812.71	Tank Bottom Adjustment
620	\$72,812.71	TOTAL

COAL		
UNITS	AMOUNT	ADJUSTMENTS EXPLANATION
-	\$ -	TOTAL

Duke Energy Florida, LLC
Schedule A6
Power Sold for the Month of
November 2018

(1)	(2)	(3)	(4)	(5)	(6a)	(6b)	(7)	(8)	(9)
Sold To	Type & Schedule	Total KWH Sold (000)	KWH Wheeled from Other (000)	KWH from Own Generation (000)	Fuel Cost C/KWH	Total Cost C/KWH	Fuel Adj Total \$	Total Cost \$	Gain on Sales \$
ESTIMATED		9,720		9,720	3.566	4.558	346,606.00	443,018.00	96,412.00
ACTUAL									
Exelon Generation Company, LLC	InternationalE	1,600		1,600	3.445	3.910	55,120.00	62,560.00	7,440.00
Southern Company Services, Inc.	EEL	1,600		1,600	3.445	3.910	55,120.00	62,560.00	7,440.00
ADJUSTMENT									
PJM Settlements								(10,667.07)	(10,667.07)
City of Tallahassee								(27,048.26)	(27,048.26)
Subtotal - Gain on Other Power Sales		3,200		3,200	3.445	2.731	110,240.00	87,404.67	(22,835.33)
CURRENT MONTH TOTAL		3,200		3,200	3.445	2.731	110,240.00	87,404.67	(22,835.33)
DIFFERENCE		(6,520)		(6,520)	(0.121)	(1.827)	(236,366.00)	(355,613.33)	(119,247.33)
DIFFERENCE %		(67)		(67)	(3.393)	(40.075)	(68.19)	(80.27)	(123.69)
CUMULATIVE ACTUAL		59,106		59,106	4.378	8.173	2,587,627.93	4,830,576.57	2,242,949.62
CUMULATIVE ESTIMATED		60,735		60,735	4.372	7.783	2,655,594.29	4,727,102.32	2,071,508.03
DIFFERENCE		(1,629)		(1,629)	0.006	0.390	(67,966.36)	103,474.25	171,441.59
DIFFERENCE %		(3)		(3)	0.126	5.005	(2.56)	2.19	8.28

DUKE ENERGY FLORIDA, LLC
SCHEDULE A7

PURCHASED POWER
EXCLUSIVE OF ECONOMY PURCHASES
FOR THE MONTH OF:
November, 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 NTERRUPTIBLI (000)	KWH FOR FIRM (000)	FUEL COST C/KWH	TOTAL COST C/KWH	TOTAL AMOUNT FOR FUEL ADJ \$	FUEL COST \$
ESTIMATED		12,905			12,905	3.660	3.660	472,290.00	472,290.00
ACTUAL									
Shady Hills Power Company, L.L.C.	TOLL	42,859			42,859	7.949	7.949	3,407,008.21	3,407,008.21
Southern Power Company	Franklin	66,310			66,310	4.820	4.820	3,196,187.69	3,196,187.69
Vandolah Power Company L.L.C.	TOLL	85,995			85,995	7.240	7.240	6,225,756.32	6,225,756.32
ADJUSTMENTS									
Vandolah Power Company L.L.C.	TOLL	197			197	10.90	10.90	21,473.62	21,473.62
Shady Hills Power Company, L.L.C.	TOLL	56			56	22.97	22.97	12,864.08	12,864.08
Southern Power Company	Franklin	(1)			(1)	(3,801.91)	(3,801.91)	38,019.14	38,019.14
CURRENT MONTH TOTAL		195,416			195,416	6.602	6.602	12,901,309.06	12,901,309.06
DIFFERENCE		182,511			182,511	2.942	2.942	12,429,019.06	12,429,019.06
DIFFERENCE %		1,414.27			1,414.266	80.382	80.382	2,631.65	2,631.65
CUMULATIVE ACTUAL		3,336,844			3,336,844	3.830	3.830	155,663,639.09	155,663,639.09
CUMULATIVE ESTIMATED		2,399,181			2,399,181.00	4.357	4.357	104,522,357.49	104,522,357.49
DIFFERENCE		937,663			937,663.00	(0.527)	(0.527)	51,141,281.60	51,141,281.60
DIFFERENCE %		39			39.08	(12.087)	(12.087)	48.93	48.93

DUKE ENERGY FLORIDA, LLC
SCHEDULE A8

ENERGY PAYMENT TO QUALIFYING FACILITIES
FOR THE MONTH OF:
NOVEMBER, 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		257,473	-	-	257,473	4.163	13.963	10,719,470.20
ACTUAL								
Citrus World (CITRUS) ADJ	CO-GEN	7 (3)			7 (3)	3.139	3.139	210.29 (75.33)
Florida Power Development (FCRUSHAS) ADJ	CO-GEN	-			-	-	0.000	-
Florida Power Development (FLACRUSH) ADJ	CO-GEN	-			-	-	0.000	-
Lake County (LAKCOUNT) ADJ	CO-GEN	737			737	3.460	3.460	25,499.94 2,494.10
Lee County (LEECOGAS) ADJ	CO-GEN	6,395 777			6,395 777	3.312	3.312	211,790.38 25,732.78
Metro-Dade County (METRDADE) ADJ	CO-GEN	-			-	-	0.000	-
Metro-Dade County (METRDDAS) ADJ	CO-GEN	12,046			12,046	3.250	3.250	391,466.81 17,321.72
Orange Cogen (ORANGEAS) ADJ	CO-GEN	1,256			1,256	3.286	3.286	41,268.13 1,800.39
Orange Cogen (ORANGEEO) ADJ	CO-GEN	27,173			27,173	4.368	4.368	1,186,916.64 14,766.71
Orlando Cogen Limited (ORLACOGL) ADJ	CO-GEN	86,594			86,594	5.541	5.541	4,798,173.54 37,120.63
Orlando Cogen Limited (ORLCOGAS) ADJ	CO-GEN	-			-	-	0.000	-
Pasco County Resource Recovery (PASCOUNT) ADJ	CO-GEN	16,953			16,953	2.963	2.963	502,325.71 17,610.01
PCS Phosphate (OCSWFCRK) ADJ	CO-GEN	20 19			20 19	3.342	3.342	668.77 644.80
Pinellas County Resource Recovery (PINCOUN) ADJ	CO-GEN	28,986			28,986	2.975	2.975	862,278.65 28,923.58
Polk Power Partners, L.P. (MULBERRY) ADJ	CO-GEN	34,077			34,077	3.543	3.543	1,207,348.11 65,904.40
Wheelabrator Ridge Energy, Inc. (RIDGEGEN) ADJ	CO-GEN	19,377			19,377	5.702	5.702	1,104,876.54 63,429.47
CURRENT MONTH TOTAL		234,414			234,414	4.526	4.526	10,608,496.78
DIFFERENCE		(23,059)			(23,059)	0.362	(9.44)	(110,973.42)
DIFFERENCE %		(9)			(9)	8.700	(208.54)	(1.04)
CUMULATIVE ACTUAL		2,823,519			2,823,519	4.473	4.473	126,282,063.35
CUMULATIVE ESTIMATED		2,905,617			2,905,617	4.459	4.459	129,555,016.59
CUMULATIVE DIFFERENCE		(82,098)			(82,098)	0.014	0.014	(3,272,953.24)
CUMULATIVE DIFFERENCE %		(3)			(3)	0.308	0.308	(2.53)

DUKE ENERGY FLORIDA, LLC
SCHEDULE A9

ECONOMY ENERGY PURCHASES
INCLUDING LONG TERM PURCHASES
FOR THE MONTH OF:
NOVEMBER, 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		1,658	3 670	60,855.00	4 304	71,372.00	10,517.00
ACTUAL:							
SubTotal - Energy Purchases (Broker)							
SEPA	Hydro	1,022	3.724	\$38,047.14	3.724	38,047.14	-
Exelon Generation Company, LLC	InternationalSwapsDe	928	3.546	\$32,904.00	8 238	\$76,444.84	43,540 84
Florida Power & Light Company	Transmission Purchase			\$25,651.50			(25,651.50)
Florida Power & Light Company		2,900	5 852	\$169,700.00	9.142	\$265,123.00	95,423 00
Jacksonville Electric Authority	Transmission Purchase			\$9,004.80			(9,004 80)
Orlando Utilities Commission	Schedule OS	2,525	6 606	\$166,800.00	10 209	\$257,781.75	90,981.75
Southern Company Services, Inc.	EEl	5,128	4 216	\$216,184.00	10 874	\$557,608.04	341,424 04
Tallahassee (City of)	Schedule OS	325	1.731	5,625.00	3 809	12,378.00	6,753 00
Tampa Electric Company	EEl2	100	3 250	3,250.00	3.764	3,764.00	514 00
The Energy Authority	EEl	243	4.511	10,962.00	12.731	30,937.51	19,975.51
ADJUSTMENTS							
Florida Power & Light Company				(135.98)			135.98
Tampa Electric Company				(8,602.74)			8,602.74
Jacksonville Electric Authority				1,392.72			(1,392.72)
PJM Settlements				2,424.16			(2,424.16)
SubTotal - Energy Purchases (Non-Broker)		13,171	5.111	673,206.60	9.431	1,242,084.28	568,877.68
CURRENT MONTH TOTAL		13,171	5.111	673,206.60	9.431	1,242,084.28	568,877.68
DIFFERENCE		11,513	1.441	612,351.60	5.127	1,170,712.28	558,360.68
DIFFERENCE %		694	39 275	1,006.25	119.113	1,640.30	5,309.13
CUMULATIVE ACTUAL		258,856	4.75	12,299,673.03	7 014	18,156,634.01	5,856,960.98
CUMULATIVE ESTIMATED		181,226	4.496	8,148,821.00	6 005	10,882,338.00	2,733,518.00
DIFFERENCE		77,630	0 255	4,150,852.03	1 009	7,274,296.01	3,123,442.98
DIFFERENCE %		43	5 672	50.94	16 809	66.84	114 26

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	5,331,276	5,331,276	5,331,276	0	58,644,031.28
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	5,361,790	5,361,790	5,361,790	0	58,790,877.33
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	1,898,190	1,898,190	1,898,190	0	20,880,090.00
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	4,518,518	4,518,518	4,518,518	0	49,703,692.50
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	7,321,066	7,321,066	7,321,066	0	80,531,729.67
6 Wheelabrator Ridge Energy, Inc. (RIDGEGEN)	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	800,946	800,946	800,946	0	8,763,125.16
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	2,701,639	2,384,883	0	44,446,045.21	
8 Retail Wheeling				(82,003)	(2,819)	(5,894)	(4,260)	(35,146)	0	0	(567)	(13,875)	(53,736)	(6,689)	0	(204,988.99)	
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	4,035,255	4,006,929	0	45,634,133.00	
10 ISFSI Return				677,047	628,287	579,175	555,717	573,770	573,765	573,771	573,769	573,883	573,769	573,545	0	6,456,499.10	
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	32,488,713	32,190,453	0	373,645,234	
Confidential Capacity Contracts (Aggregated):																	
Purchases/Sales (Net)																	
Total	Other	MW	Contracts	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	4,856,595	5,168,636	0	78,905,319	
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	37,345,307	37,359,089	0	452,550,553	