



Matthew R. Bernier
ASSOCIATE GENERAL COUNSEL

November 20, 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 October, 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 October 2018 have been furnished to the following individuals via e-mail on this 20th day of November, 2018.

/s/ Matthew R. Bernier

Attorney

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DUKE ENERGY FLORIDA
FUEL AND PURCHASED POWER

OCTOBER 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)	117,580,229	113,036,297	4,543,932	4.0	3,354,212	3,266,580	87,632	2.7	3.5054	3.4604	0.0450	1.3
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	687,189	1,252,952	(565,763)	(45.2)	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	116,200,569	114,289,249	1,911,320	1.7	3,354,212	3,266,580	87,632	2.7	3.4643	3.4987	(0.0344)	(1.0)
5 ENERGY COST OF PURCHASED POWER - FIRM (SCH A7)	16,835,359	4,622,388	12,212,971	264.2	320,965	114,075	206,890	181.4	5.2452	4.0521	1.1931	29.4
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)	934,906	204,877	730,029	356.3	21,516	5,340	16,177	303.0	4.3452	3.8370	0.5082	13.2
8 PAYMENTS TO QUALIFYING FACILITIES (SCH A8)	9,199,522	7,192,194	2,007,328	27.9	204,198	170,616	33,582	19.7	4.5052	4.2154	0.2898	6.9
9 TOTAL COST OF PURCHASED POWER	26,969,788	12,019,459	14,950,329	124.4	546,679	290,031	256,648	88.5	4.9334	4.1442	0.7892	19.0
10 TOTAL AVAILABLE MWH					3,900,891	3,556,611	344,281	9.7				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(392,959)	(86,676)	(306,283)	353.4	(11,462)	(2,666)	(8,796)	329.9	3.4284	3.2512	0.1772	5.5
11a GA N ON OTHER POWER SALES - 100% (SCH A6)	(330,414)	(24,110)	(306,304)	1,270.4	(11,462)	(2,666)	(8,796)	329.9	2.8827	0.9044	1.9783	218.7
11b GA N ON TOTAL POWER SALES - 20% (SCH A6)	66,083	4,822	61,261	1,270.4	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
12 FUEL COST OF STRATIFIED SALES	(3,523,991)	(1,754,692)	(1,769,299)	100.8	(183,258)	(112,267)	(70,991)	63.2	1.9230	1.5630	0.3600	23.0
13 TOTAL FUEL COST AND GA NS ON POWER SALES	(4,181,281)	(1,860,656)	(2,320,625)	124.7	(194,720)	(114,933)	(79,787)	69.4	2.1473	1.6189	0.5284	32.6
14 NET INADVERTENT AND WHEELED INTERCHANGE					24,309	0	24,309					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	138,989,076	124,448,053	14,541,023	11.7	3,730,480	3,441,678	288,803	8.4	3.7258	3.6159	0.1099	3.0
16 NET UNB LLED	(12,938,823)	(12,329,978)	(608,845)	4.9	347,279	340,992	6,287	1.8	(0.3460)	(0.3444)	(0.0016)	0.5
17 COMPANY USE	302,840	491,263	(188,423)	(38.4)	(8,128)	(13,586)	5,458	(40.2)	0.0081	0.0137	(0.0056)	(40.9)
18 T & D LOSSES	12,286,813	6,849,784	5,437,029	79.4	(329,779)	(189,434)	(140,345)	74.1	0.3285	0.1914	0.1371	71.6
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	138,989,076	124,448,053	14,541,023	11.7	3,739,852	3,579,649	160,203	4.5	3.7164	3.4765	0.2399	6.9
20 WHOLESALE KWH SALES (EXCLUD NG STRATIFIED SALES)	(1,028,519)	(634,685)	(393,834)	62.1	(27,796)	(18,093)	(9,703)	53.6	3.7002	3.5079	0.1923	5.5
21 JURISDICTIONAL KWH SALES	137,960,557	123,813,368	14,147,189	11.4	3,712,056	3,561,556	150,500	4.2	3.7166	3.4764	0.2402	6.9
22 JURISDICTIONAL KWH SALES ADJUSTED FOR L NE LOSS - 1.00031	138,003,325	123,851,750	14,151,575	11.4	3,712,056	3,561,556	150,500	4.2	3.7177	3.4775	0.2402	6.9
23 PRIOR PERIOD TRUE-UP	8,145,991	8,145,991	(0)	0.0	3,712,056	3,561,556	150,500	4.2	0.2194	0.2287	(0.0093)	(4.1)
24 TOTAL JURISDICTIONAL FUEL COST	146,149,315	131,997,741	14,151,574	10.7	3,712,056	3,561,556	150,500	4.2	3.9371	3.7062	0.2309	6.2
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									3.9399	3.7089	0.2310	6.2
27 GPIF	232,768	232,768			3,712,056	3,561,556			0.0063	0.0065	(0.0002)	(3.1)
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									3.946	3.715	0.231	6.2

*Line 15a. MWH Data for Infomational Purposes Only

DUKE ENERGY FLORIDA
FUEL AND PURCHASED POWER
COST RECOVERY CLAUSE CALCULATION
YEAR TO DATE - OCTOBER 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)	1,106,162,447	1,117,606,579	(11,444,132)	(1.0)	31,789,339	31,884,790	(95,451)	(0.3)	3.4797	3.5051	(0.0254)	(0.7)
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	5,036,639	3,780,005	1,256,633	33.2	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	1,109,132,237	1,121,386,585	(12,254,348)	(1.1)	31,789,339	31,884,790	(95,451)	(0.3)	3.4890	3.5170	(0.0280)	(0.8)
5 ENERGY COST OF PURCHASED POWER - FIRM (SCH A7)	142,762,330	104,050,067	38,712,263	37.2	3,141,428	2,386,276	755,152	31.7	4.5445	4.3604	0.1841	4.2
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)	11,626,466	8,087,965	3,538,501	43.8	245,685	179,567	66,118	36.8	4.7323	4.5041	0.2282	5.1
8 PAYMENTS TO QUALIFYING FACILITIES (SCH A8)	115,673,567	118,835,547	(3,161,980)	(2.7)	2,589,104	2,648,144	(59,040)	(2.2)	4.4677	4.4875	(0.0198)	(0.4)
9 TOTAL COST OF PURCHASED POWER	270,062,363	230,973,580	39,088,784	16.9	5,976,217	5,213,987	762,230	14.6	4.5190	4.4299	0.0891	2.0
10 TOTAL AVAILABLE MWH					37,765,556	37,098,778	666,779	1.8				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(2,477,388)	(2,308,988)	(168,400)	7.3	(55,906)	(51,015)	(4,891)	9.6	4.4313	4.5261	(0.0948)	(2.1)
11a GA N ON OTHER POWER SALES - 100% (SCH A6)	(2,265,784)	(1,975,096)	(290,688)	14.7	(55,906)	(51,015)	(4,891)	9.6	4.0528	3.8716	0.1812	4.7
11b GA N ON TOTAL POWER SALES - 20% (SCH A6)	89,699	31,561	58,138	184.2	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
12 FUEL COST OF STRATIFIED SALES	(36,936,623)	(32,070,134)	(4,866,489)	15.2	(1,805,215)	(1,543,543)	(261,672)	17.0	2.0461	2.0777	(0.0316)	(1.5)
13 TOTAL FUEL COST AND GA NS ON POWER SALES	(41,590,095)	(36,322,657)	(5,267,439)	14.5	(1,861,121)	(1,594,558)	(266,563)	16.7	2.2347	2.2779	(0.0432)	(1.9)
14 NET INADVERTENT AND WHEELED INTERCHANGE					199,240	96,969	102,271					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	1,337,604,505	1,316,037,507	21,566,997	1.6	36,103,675	35,601,188	502,487	1.4	3.7049	3.6966	0.0083	0.2
16 NET UNB LLED	9,929,388	(2,110,756)	12,040,144	(570.4)	(268,007)	79,700	(347,707)	(436.3)	0.0299	(0.0063)	0.0362	(574.6)
17 COMPANY USE	5,304,897	5,980,246	(675,349)	(11.3)	(143,186)	(161,457)	18,271	(11.3)	0.0160	0.0179	(0.0019)	(10.6)
18 T & D LOSSES	90,234,469	77,735,220	12,499,249	16.1	(2,435,545)	(2,103,460)	(332,085)	15.8	0.2713	0.2326	0.0387	16.6
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	1,337,604,505	1,316,037,507	21,566,997	1.6	33,256,937	33,415,971	(159,034)	(0.5)	4.0220	3.9383	0.0837	2.1
20 WHOLESALE KWH SALES (EXCLUD NG STRATIFIED SALES)	(8,836,077)	(7,680,655)	(1,155,422)	15.0	(217,839)	(192,056)	(25,783)	13.4	4.0562	3.9992	0.0570	1.4
21 JURISDICTIONAL KWH SALES	1,328,768,427	1,308,356,852	20,411,575	1.6	33,039,098	33,223,915	(184,817)	(0.6)	4.0218	3.9380	0.0838	2.1
22 JURISDICTIONAL KWH SALES ADJUSTED FOR L NE LOSS - 1.00031	1,329,281,760	1,308,863,857	20,417,903	1.6	33,039,098	33,223,915	(184,817)	(0.6)	4.0234	3.9395	0.0839	2.1
23 PRIOR PERIOD TRUE-UP	81,459,906	81,459,910	(4)	0.0	33,039,098	33,223,915	(184,817)	(0.6)	0.2466	0.2452	0.0014	0.6
24 TOTAL JURISDICTIONAL FUEL COST	1,410,741,666	1,390,323,767	20,417,899	1.5	33,039,098	33,223,915	(184,817)	(0.6)	4.2700	4.1847	0.0853	2.0
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									4.2731	4.1877	0.0854	2.0
27 GPIF	2,327,680	2,327,680			33,039,098	33,223,915			0.0070	0.0070	0.0000	100.0
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									4.280	4.195	0.085	2.0

*Line 15a. MWH Data for Infomational Purposes Only

DUKE ENERGY FLORIDA
CALCULATION OF TRUE-UP AND INTEREST PROVISION
OCTOBER 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	\$117,580,229	113,036,297	\$4,543,932	4.0	\$1,106,162,447	\$1,117,606,579	(\$11,444,132)	(1.0)
1a. COAL CAR SALE	(2,066,849)	0	(2,066,849)	0.0	(2,066,849)	0	(2,066,849)	0.0
2. FUEL COST OF POWER SOLD	(392,959)	(86,676)	(306,283)	353.4	(2,477,388)	(2,308,988)	(168,400)	7.3
2a. GAS ON POWER SALES	(264,331)	(24,110)	(240,221)	996.4	(2,176,085)	(1,975,096)	(200,989)	10.2
3. FUEL COST OF PURCHASED POWER	16,835,359	4,622,388	12,212,971	264.2	142,762,330	104,050,067	38,712,263	37.2
3a. ENERGY PAYMENTS TO QUALIFYING FACILITIES	9,199,522	7,192,194	2,007,328	27.9	115,673,567	118,835,547	(3,161,980)	(2.7)
4. ENERGY COST OF ECONOMY PURCHASES	934,906	204,877	730,029	356.3	11,626,466	8,087,965	3,538,501	43.8
5. TOTAL FUEL & NET POWER TRANSACTIONS	141,825,877	124,944,970	16,880,907	13.5	1,369,504,489	1,344,296,075	25,208,414	1.9
6. ADJUSTMENTS TO FUEL COST:								
6a. FUEL COST OF STRATIFIED SALES	(3,523,991)	(1,754,692)	(1,769,299)	100.8	(36,936,623)	(32,070,134)	(4,866,489)	15.2
6b. OTHER- JURISDICTIONAL ADJUSTMENTS (see detail below)	687,189	1,252,952	(565,763)	(45.2)	5,036,639	3,780,005	1,256,633	33.2
6c. OTHER - PRIOR PERIOD ADJUSTMENT	0	0	0	0.0	0	0	0	0.0
7. ADJUSTED TOTAL FUEL & NET PWR TRNS	\$138,989,076	\$124,443,231	\$14,545,845	11.7	\$1,337,604,505	\$1,316,005,946	\$21,598,559	1.6

FOOTNOTE: DETAIL OF LINE 6b ABOVE

INSPECTION & FUEL ANALYSIS REPORTS (Wholesale Portion)	\$0	\$0	\$0	\$0	\$0	\$0
CITRUS CC INEFFICIENT USE	(568,017)	0	(568,017)	(1,502,363)	0	(1,502,363)
UNIVERSITY OF FLORIDA STEAM REVENUE ALLOCATION (Wholesale Portion)	740	0	740	6,440	0	6,440
FDP AGREEMENT TERMINATION	0	0	0	0	0	0
TANK BOTTOM ADJUSTMENT	0	0	0	(99,086)	0	(99,086)
AERIAL SURVEY ADJUSTMENT (Coal Pile)	0	0	0	1,695,365	0	1,695,365
FDP AGREEMENT TERMINATION	1,254,466	0	1,254,466	4,832,336	0	4,832,336
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	\$687,189	\$0	\$687,189	\$5,036,639	\$0	\$5,036,639

B. KWH SALES								
1. JURISDICTIONAL SALES	3,712,055,469	3,561,556,026	150,499,443	4.2	33,039,097,520	33,223,915,336	(184,817,816)	(0.6)
2. NON JURISDICTIONAL (WHOLESALE) SALES	27,796,421	18,093,000	9,703,421	53.6	217,839,150	192,056,074	25,783,076	13.4
3. TOTAL SALES	3,739,851,890	3,579,649,026	160,202,864	4.5	33,256,936,670	33,415,971,410	(159,034,740)	(0.5)
4. JURISDICTIONAL SALES % OF TOTAL SALES	99.26	99.49	(0.23)	(0.2)	99.34	99.43	(0.09)	(0.1)

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

	CURRENT MONTH				YEAR TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT
C. TRUE UP CALCULATION								
1. JURISDICTIONAL FUEL REVENUE	\$154,057,122	\$146,881,013	\$7,176,109	4.9	\$1,356,116,250	\$1,360,033,648	(\$3,917,398)	(0.3)
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	(81,459,906)	(81,459,910)	4	0.0
2b. INCENTIVE PROVISION	(232,768)	(232,768)	0	0.0	(2,327,680)	(2,327,680)	0	0.0
3. TOTAL JURISDICTIONAL FUEL REVENUE	145,678,363	138,502,254	7,176,110	5.2	1,272,328,665	1,276,246,058	(3,917,393)	(0.3)
4. ADJ TOTAL FUEL & NET PWR TRNS (L NE A7)	138,989,076	124,443,231	14,545,845	11.7	1,337,604,505	1,316,005,946	21,598,559	1.6
5. JURISDICTIONAL SALES % OF TOT SALES (L NE B4)	99.26	99.49	(0.23)	(0.2)	99.34	99.43	(0.09)	(0.1)
6. JURISDICTIONAL FUEL & NET POWER TRANSACTIONS (L NE C4 * L NE C5 * 1.00031 LOSS MULTIPLIER)	138,003,325	123,851,750	14,151,575	11.4	1,329,281,760	1,308,863,857	20,417,903	1.6
7. TRUE UP PROVISION FOR THE MONTH OVER/(UNDER) COLLECTION (LINE C3 - C6)	7,675,039	14,650,504	(6,975,465)	(47.6)	(56,953,096)	(32,617,800)	(24,335,296)	74.6
8. INTEREST PROVISION FOR THE MONTH (L NE D10)	(369,989)	(282,992)	(86,997)	30.7	(3,221,598)	(3,050,061)	(171,536)	5.6
9. TRUE UP & INTEREST PROVISION BEG OF MONTH/PERIOD	(205,765,805)	(188,321,435)	(17,444,371)	9.3	(211,599,978)	(211,599,981)	3	0.0
10. TRUE UP COLLECTED (REFUNDED)	8,145,991	8,145,991	(0)	0.0	81,459,906	81,459,910	(4)	0.0
11. END OF PERIOD TOTAL NET TRUE UP (LINES C7 + C8 + C9 + C10)	(190,314,765)	(165,807,932)	(24,506,833)	14.8	(190,314,765)	(165,807,932)	(24,506,833)	14.8
12. OTHER:	0				0		0	
13. END OF PERIOD TOTAL NET TRUE UP (L NES C11 + C12)	(\$190,314,765)	(165,807,932)	(24,506,833)	14.8	(\$190,314,765)	(165,807,932)	(24,506,833)	14.8
D. INTEREST PROVISION								
1. BEGINNING TRUE UP (L NE C9)	(\$205,765,805)	N/A	--	--				
2. ENDING TRUE UP (LINES C7 + C9 + C10 + C12)	(189,944,776)	N/A	--	--				
3. TOTAL OF BEGINNING & ENDING TRUE UP	(395,710,581)	N/A	--	--			NOT	
4. AVERAGE TRUE UP (50% OF L NE D3)	(197,855,291)	N/A	--	--				
5. INTEREST RATE - FIRST DAY OF REPORTING MONTH	2.210	N/A	--	--				
6. INTEREST RATE - FIRST DAY OF SUBSEQUENT MONTH	2.270	N/A	--	--				
7. TOTAL (L NE D5 + LINE D6)	4.480	N/A	--	--				
8. AVERAGE INTEREST RATE (50% OF L NE D7)	2.240	N/A	--	--				
9. MONTHLY AVERAGE INTEREST RATE (LINE D8/12)	0.187	N/A	--	--				
10. INTEREST PROVISION (LINE D4 * L NE D9)	(\$369,989)	N/A	--	--				

A-3 Generating System Comparative Data Report

Final

Duke Energy Florida, LLC

Report Period : 10/1/2018 to 10/1/2018

Run Date: 11/13/2018 9:48:00 AM

FUEL COST OF SYSTEM	ACTUAL	ESTIMATED	DIFFERENCE	DIFFERENCE (%)
NET GENERATION (\$)				
1 - HEAVY O L	0	0	0	0.0 %
2 - LIGHT OIL	1,218,860	159,129	1,059,731	666.0 %
3 - COAL	29,460,959	28,261,026	1,199,933	4.2 %
4 - GAS	86,900,410	84,616,142	2,284,268	2.7 %
5 - NUCLEAR	0	0	0	0.0 %
6	0	0	0	0.0 %
7	0	0	0	0.0 %
8 - TOTAL (\$)	117,580,229	113,036,297	4,543,932	4.0 %
SYSTEM NET GENERATION (MWH)				
9 - HEAVY O L	0	0	0	0.0 %
10 - LIGHT O L	4,091	57	4,034	7076.9 %
11 - COAL	911,936	850,628	61,308	7.2 %
12 - GAS	2,436,127	2,412,462	23,665	1.0 %
13 - NUCLEAR	0	0	0	0.0 %
14 - SOLAR	2,059	3,433	(1,374)	(40.0 %)
15	0	0	0	0.0 %
16 - TOTAL (MWH)	3,354,213	3,266,580	87,633	2.7 %
UNITS OF FUEL BURNED				
17 - HEAVY OIL (BBL)	0	0	0	0.0 %
18 - LIGHT O L (BBL)	10,685	940	9,745	1036.7 %
19 - COAL (TON)	400,000	372,764	27,236	7.3 %
20 - GAS (MCF)	18,450,493	18,322,965	127,528	0.7 %
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	59,848	5,479	54,369	992.3 %
26 - COAL	9,160,175	8,742,064	418,111	4.8 %
27 - GAS	18,855,081	18,322,965	532,116	2.9 %
28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (MILLION BTU)	28,075,104	27,070,508	1,004,596	3.7 %
GENERATION MIX (% MWH)				
32 - HEAVY OIL	0.0	0.00	0.0	0.0 %
33 - LIGHT O L	0.1	0.00	0.1	6889.4 %
34 - COAL	27.2	26.04	1.1	4.4 %
35 - GAS	72.6	73.85	(1.2)	(1.7 %)
36 - NUCLEAR	0.0	0.00	0.0	0.0 %
37 - SOLAR	0.06	0.11	(0.04)	(41.6 %)
38	0	0	0	0
39 - TOTAL (% MWH)	100	100	0.0	0.0 %

A-3 Generating System Comparative Data Report

Final

Duke Energy Florida, LLC

Report Period : 10/1/2018 to 10/1/2018

Run Date: 11/13/2018 9:48:00 AM

FUEL COST PER UNIT (\$)

40 - HEAVY OIL (\$/BBL)	0.00	0 00	0.00	0.0 %
41 - LIGHT O L (\$/BBL)	114.07	169 29	(55.21)	(32.6 %)
42 - COAL (\$/TON)	73.65	75 81	(2.16)	(2.9 %)
43 - GAS (\$/MCF)	4.71	4 62	0.09	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 OIL	0.00	0 00	0.00	0.0 %
48 - LIGHT O L	20.37	29 04	(8.68)	(29.9 %)
49 - COAL	3.22	3 23	(0.02)	(0.5 %)
50 - GAS	4.61	4 62	(0.01)	(0.2 %)
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)	4.19	4.18	0.01	0.3 %

BTU BURNED PER KWH (BTU/KWH)

55 - HEAVY OIL	0	0	0	0.0 %
56 - LIGHT O L	14,630	96,123	(81,493)	(84.8 %)
57 - COAL	10,045	10,277	(232)	(2.3 %)
58 - GAS	7,740	7,595	145	1.9 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %
62 - SYSTEM (BTU/KWH)	8,370	8,287	83	1.0 %

GENERATED FUEL COST PER KWH (CENTS/KWH)

63 - HEAVY OIL	0.00	0 00	0.00	0.0 %
64 - LIGHT O L	29.80	279.17	(249.38)	(89.3 %)
65 - COAL	3.23	3 32	(0.09)	(2.8 %)
66 - GAS	3.57	3.51	0.06	1.7 %
67 - NUCLEAR	0.00	0 00	0.00	0.0 %
68	0.00	0 00	0.00	0.0 %
69	0.00	0 00	0.00	0.0 %
70 - SYSTEM (CENTS/KWH)	3.51	3.46	0.05	1.3 %

A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Report Period : 1/1/2018 to 10/1/2018

Run Date: 11/13/2018 11:18:18 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 OIL	21,189,825	15,695,217	5,494,608	35.0 %
3 - COAL	244,119,390	268,004,049	(23,884,659)	(8.9 %)
4 - GAS	840,853,233	833,907,314	6,945,919	0.8 %
5 - NUCLEAR	0	0	0	0.0 %
6	0	0	0	0.0 %
7	0	0	0	0.0 %
8 - TOTAL (\$)	1,106,162,447	1,117,606,580	(11,444,133)	(1.0 %)
SYSTEM NET GENERATION (MWH)				
9 - HEAVY OIL	0	0	0	0.0 %
10 - LIGHT OIL	84,531	60,434	24,097	39.9 %
11 - COAL	7,350,669	7,881,499	(530,830)	(6.7 %)
12 - GAS	24,331,531	23,912,329	419,202	1.8 %
13 - NUCLEAR	0	0	0	0.0 %
14 - SOLAR	22,608	30,531	(7,923)	(26.0 %)
15	0	0	0	0.0 %
16 - TOTAL (MWH)	31,789,339	31,884,793	(95,454)	(0.3 %)
UNITS OF FUEL BURNED				
17 - HEAVY OIL (BBL)	0	0	0	0.0 %
18 - LIGHT OIL (BBL)	185,422	134,101	51,321	38.3 %
19 - COAL (TON)	3,288,040	3,541,283	(253,243)	(7.2 %)
20 - GAS (MCF)	188,567,287	184,644,257	3,923,030	2.1 %
21 - NUCLEAR (MMBTU)	0	0	0	0.0 %
22	0	0	0	0.0 %
23	0	0	0	0.0 %
BTUS BURNED (MILLION BTU)				
24 - HEAVY OIL	0	0	0	0.0 %
25 - LIGHT OIL	1,069,790	776,286	293,504	37.8 %
26 - COAL	75,556,785	81,802,096	(6,245,311)	(7.6 %)
27 - GAS	192,511,322	186,760,866	5,750,456	3.1 %
28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (MILLION BTU)	269,137,897	269,339,248	(201,351)	(0.1 %)
GENERATION MIX (% MWH)				
32 - HEAVY OIL	0.0	0.00	0.0	0.0 %
33 - LIGHT OIL	0.3	0.19	0.1	40.3 %
34 - COAL	23.1	24.72	(1.6)	(6.5 %)
35 - GAS	76.5	75.00	1.5	2.1 %
36 - NUCLEAR	0.0	0.00	0.0	0.0 %
37 - SOLAR	0.07	0.10	(0.02)	(25.7 %)
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 10/1/2018

Run Date: 11/13/2018 11:18:18 AM

FUEL COST PER UNIT (\$)

40 - HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.0 %
41 - LIGHT OIL (\$/BBL)	114.28	117.04	(2.76)	(2.4 %)
42 - COAL (\$/TON)	74.24	75.68	(1.44)	(1.9 %)
43 - GAS (\$/MCF)	4.46	4.52	(0.06)	(1.3 %)
44 - NUCLEAR (\$/MBTU)	0.00	0.00	0.00	0.0 %
45	0.00	0.00	0.00	0.0 %
46	0.00	0.00	0.00	0.0 %

FUEL COST PER MILLION BTU (\$/MILLION BTU)

47 - HEAVY OIL	0.00	0.00	0.00	0.0 %
48 - LIGHT OIL	19.81	20.22	(0.41)	(2.0 %)
49 - COAL	3.23	3.28	(0.05)	(1.4 %)
50 - GAS	4.37	4.47	(0.10)	(2.2 %)
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)	4.11	4.15	(0.04)	(0.9 %)

BTU BURNED PER KWH (BTU/KWH)

55 - HEAVY OIL	0	0	0	0.0 %
56 - LIGHT OIL	12,656	12,845	(190)	(1.5 %)
57 - COAL	10,279	10,379	(100)	(1.0 %)
58 - GAS	7,912	7,810	102	1.3 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %
62 - SYSTEM (BTU/KWH)	8,466	8,447	19	0.2 %

GENERATED FUEL COST PER KWH (CENTS/KWH)

63 - HEAVY OIL	0.00	0.00	0.00	0.0 %
64 - LIGHT OIL	25.07	25.97	(0.90)	(3.5 %)
65 - COAL	3.32	3.40	(0.08)	(2.3 %)
66 - GAS	3.46	3.49	(0.03)	(0.9 %)
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)	3.48	3.51	(0.03)	(0.7 %)

A-4 System Net Generation and Fuel Cost Report

Duke Energy Florida, LLC

Report Period : 10/1/2018 to 10/1/2018

Run Date: 11/13/2018 9:52:18 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	430.00	14			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	1,629.00	24			0				0	0	0.000	
TOTAL Solar	18	2,059.00				0				0	0	0.000	
Steam													
Anclote													
		152,783.00					Gas	1,652,936	1.026	1,695,912	8,906,733	5.830	5.388
TOTAL UNIT 1	511	152,783.00	40			11,100				1,695,912	8,906,733	5.830	
		138,667.00					Gas	1,497,973	1.026	1,536,920	8,071,726	5.821	5.388
TOTAL UNIT 2	514	138,667.00	36			11,084				1,536,920	8,071,726	5.821	
Crystal River 1 & 2													
TOTAL UNIT 1		0.00				0				0	0	0.000	
		77,852.28					Coal	42,510	22.228	944,912	4,221,264	5.422	99.301
		0.00					No 2	244	5.756	1,404	28,698	0.000	117.613
TOTAL UNIT 2	448	77,852.28	23			12,155				946,317	4,249,962	5.459	
Crvstal River 4 & 5													
		440,456.00					Coal	186,997	22.980	4,297,266	13,202,459	2.997	70.603
		0.00					No 2	458	5.768	2,642	53,795	0.000	117.457
TOTAL UNIT 4	721	440,456.00	82			9,762				4,299,907	13,256,255	3.010	
		394,687.00					Coal	170,493	22.980	3,917,997	12,037,235	3.050	70.603
		0.00					No 2	1,155	5.796	6,694	135,663	0.000	117.457
TOTAL UNIT 5	721	394,687.00	74			9,944				3,924,692	12,172,898	3.084	
TOTAL Steam	2,915	1,204,445.00				10,298				12,403,748	46,657,574	4.000	

A-4 System Net Generation and Fuel Cost Report

Duke Energy Florida, LLC

Report Period : 10/1/2018 to 10/1/2018

Run Date: 11/13/2018 9:52:18 AM

A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT	NET CAP (MW)	NET GENERATION (MWH)	CAP FAC (%)	EQUIV AVAIL FAC(%)	NET OUTPUT FAC(%)	AVE NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURN (UNITS)	FUEL HEAT VALUE (MMBTU/UNIT)	FUEL BURNED (MMBTU)	AS BURNED FUEL COST (\$)	FUEL COST PER KWH (CENTS/KWH)	FUEL COST PER UNIT (\$)
Gas Turbine													
Avon Park Peaker													
		8.33					No 2	33	5.816	192	3,440	41.295	104.241
		76.47					Gas	1,719	1.025	1,762	9,600	12.554	5.585
TOTAL APP	50	85.00	0			23,041				1,954	13,040	15.378	
Bartow Combined Cycle													
TOTAL BCC	1,197	674,976.00	76			7,558	Gas	5,011,115	1.018	5,101,315	24,248,810	3.593	4.839
Bartow Peaker													
		26.54					No 2	71	5.712	406	7,387	27.837	104.047
		2,668.46					Gas	39,862	1.023	40,779	218,401	8.185	5.479
TOTAL BAP	223	2,695.00	2			15,282				41,184	225,788	8.378	
Bayboro Peaker													
TOTAL BYP	179	98.20	0			57,178	No 2	983	5.712	5,615	138,668	141.210	141.066
		98.00								5,615	138,668	141.210	
Citrus County													
TOTAL CCCC	1,497	163,398.00	15			8,842	Gas	1,408,229	1.026	1,444,843	5,492,121	3.361	3.900
Debary Peaker													
		2,000.13					No 2	5,638	5.443	30,685	644,868	32.241	114.379
		1,873.87					Gas	28,020	1.026	28,749	167,809	8.955	5.989
TOTAL DEP	420	3,874.00	1			15,342				59,434	812,677	20.978	
Higgins Peaker													
TOTAL HGP	116	2,484.20	3			17,216	Gas	41,724	1.025	42,767	223,872	9.012	5.366
		2,484.00								42,767	223,872	9.012	
Hines Energy													
TOTAL HEP	2,199	917,713.70	56			6,428	Gas	5,778,081	1.021	5,899,421	24,726,430	2.694	4.279
		917,714.00								5,899,421	24,726,430	2.694	
Intercession City Peaker													
		846.15					No 2	1,904	5.802	11,046	187,947	22.212	98.712
		35,819.30					Gas	455,763	1.026	467,613	2,339,566	6.532	5.133
TOTAL ICP	1,139	36,665.00	4			13,055				478,659	2,527,513	6.893	
Osprey													
TOTAL OSP	600	195,723.00	44			7,255	Gas	1,385,390	1.025	1,420,025	6,825,673	3.487	4.927
		195,723.00								1,420,025	6,825,673	3.487	
Suwannee Peaker													
		80.95					No 2	200	5.817	1,163	18,394	22.723	91.968
		4,716.95					Gas	66,140	1.025	67,794	349,290	7.405	5.281
TOTAL SRP	136	4,798.00	5			14,372				68,957	367,683	7.663	
Tiger Bay Cogen													
TOTAL TBP	231	125,082.00	73			7,037	Gas	862,146	1.021	880,251	4,242,891	3.392	4.921
		125,082.00								880,251	4,242,891	3.392	
Univ of Florida Cogen													
		0.00					No 2	0	0.000	0	0	0.000	0.000
		20,115.90					Gas	221,395	1.025	226,931	1,077,489	5.356	4.867
TOTAL UFP	47	20,116.00	58			11,281				226,931	1,077,489	5.356	
TOTAL Gas Turbine	8,034	2,147,708.00				7,297				15,671,356	70,922,655	3.302	
SYSTEM TOTAL	10,967	3,354,212.43				8,370				28,075,104	117,580,229	3.505	

A-4 System Net Generation and Fuel Cost Report

Duke Energy Florida, LLC

Report Period : 1/1/2018 to 10/1/2018

Run Date: 11/13/2018 10:33:42 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	5,350.00	18			0				0	0	0.000	
Perry Solar Facility 1													
TOTAL UNIT 1	5	4,647.00	13			0				0	0	0.000	
Suwanee Solar Facility													
TOTAL UNIT 1	9	12,611.00	19			0				0	0	0.000	
TOTAL Solar	18	22,608.00				0				0	0	0.000	
Steam													
Anclote													
TOTAL UNIT 1	511	1,458,739.00	39			10,851	Gas	15,465,152	1.023	15,828,054	71,695,269	4.915	4.636
TOTAL UNIT 2	514	978,571.00	26			11,289	Gas	10,792,462	1.024	11,047,156	49,931,467	5.102	4.627
Crvstal River 1 & 2													
TOTAL UNIT 1	332	99,401.00	4			11,635	Coal No 2	50,272 1,449	22.840 5.747	1,148,211 8,327	4,899,718 188,355	4.929 0.000	97.464 129.990
TOTAL UNIT 2	448	717,073.42	22			12,506	Coal No 2	398,736 15,573	22.266 5.752	8,878,353 89,578	39,185,374 1,839,438	5.465 0.000	98.274 118.117
Crvstal River 4 & 5													
TOTAL UNIT 4	721	3,260,905.00	62			10,000	Coal No 2	1,405,141 15,560	23.143 5.765	32,518,927 89,696	99,358,804 1,939,233	3.047 0.000	70.711 124.629
TOTAL UNIT 5	721	3,299,337.00	63			10,035	Coal No 2	1,433,891 16,903	23.022 5.771	33,011,294 97,550	100,675,494 2,017,065	3.051 0.000	70.211 119.332
TOTAL Steam	2,915	9,814,026.00				10,466				102,717,146	371,730,217	4.000	

A-4 System Net Generation and Fuel Cost Report

Duke Energy Florida, LLC

Report Period : 1/1/2018 to 10/1/2018

Run Date: 11/13/2018 10:33:42 AM

A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT	NET CAP (MW)	NET GENERATION (MWH)	CAP FAC (%)	EQUIV AVAIL FAC(%)	NET OUTPUT FAC(%)	AVE NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURN (UNITS)	FUEL HEAT VALUE (MMBTU/UNIT)	FUEL BURNED (MMBTU)	AS BURNED FUEL COST (\$)	FUEL COST PER KWH (CENTS/KWH)	FUEL COST PER UNIT (\$)
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	75,516	8.575	4.409
TOTAL APP	50	902.00	0			19,878				17,936	83,188	9.220	
Bartow Combined Cycle													
TOTAL BCC	1,197	5,930,589.00	68			7,736	Gas	45,027,171	1.019	45,879,144	203,189,036	3.426	4.513
		5,930,589.00								45,879,144	203,189,036	3.426	
Bartow Peaker													
		1,421.44					No 2	3,902	5.712	22,288	405,992	28.562	104.047
		24,723.46					Gas	379,369	1.022	387,664	1,694,415	6.853	4.466
TOTAL BAP	223	26,145.00	2			15,680				409,953	2,100,406	8.034	
Bayboro Peaker													
		7,814.90					No 2	19,074	5.712	108,951	2,729,142	34.922	143.082
TOTAL BYP	238	7,815.00	0			13,941				108,951	2,729,142	34.922	
Citrus County													
TOTAL CCCC	1,497	192,102.00	2			10,201	Gas	1,909,724	1.026	1,959,673	7,437,117	3.871	3.894
		192,102.00								1,959,673	7,437,117	3.871	
Debarry Peaker													
		24,522.99					No 2	57,800	5.724	330,835	6,678,790	27.235	115.550
		22,951.01					Gas	302,252	1.024	309,627	1,349,676	5.881	4.465
TOTAL DEP	617	47,474.00	1			13,491				640,462	8,028,467	16.911	
Higgins Peaker													
		21,577.10					Gas	369,185	1.023	377,659	1,666,792	7.725	4.515
TOTAL HGP	116	21,577.00	3			17,503				377,659	1,666,792	7.725	
Hines Energy													
TOTAL HEP	2,199	11,950,150.70	74			7,133	Gas	83,509,781	1.021	85,236,316	365,102,642	3.055	4.372
		11,950,151.00								85,236,316	365,102,642	3.055	
Intercession City Peaker													
		22,795.41					No 2	51,427	5.801	300,845	5,047,536	22.143	97.332
		471,628.89					Gas	6,082,925	1.023	6,224,376	27,695,885	5.872	4.553
TOTAL ICP	1,202	494,424.00	6			13,198				6,525,221	32,743,420	6.623	
Osprey													
TOTAL OSP	600	1,825,650.00	42			7,336	Gas	13,099,250	1.022	13,392,333	59,695,094	3.270	4.557
		1,825,650.00								13,392,333	59,695,094	3.270	
Suwannee Peaker													
		1,451.36					No 2	3,660	5.817	21,290	336,602	23.192	91.968
		33,988.54					Gas	487,069	1.024	498,583	2,223,936	6.543	4.566
TOTAL SRP	203	35,440.00	2			14,669				519,874	2,560,537	7.225	
Tiger Bay Cogen													
		1,149,131.00					Gas	8,379,481	1.019	8,541,265	37,507,615	3.264	4.476
TOTAL TBP	231	1,149,131.00	68			7,433				8,541,265	37,507,615	3.264	
Univ of Florida Cogen													
		0.00					No 2	0	0.000	0	0	0.000	0.000
		271,305.40					Gas	2,746,340	1.024	2,811,965	11,588,777	4.271	4.220
TOTAL UFP	47	271,305.00	79			10,365				2,811,965	11,588,777	4.271	
TOTAL Gas Turbine	8,420	21,952,706.00				7,581				166,420,751	734,432,233	3.346	
SYSTEM TOTAL	11,353	31,789,339.92				8,466				269,137,897	1,106,162,450	3.480	

A-5 System Generation Fuel Cost Report

Final

Report Period : 10/1/2018 to 10/1/2018

Duke Energy Florida, LLC

Run Date: 11/13/2018 10:15:26 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)	1,238	940	298	31.7%
20 - UNIT COST (\$/BBL)	127.58	169.29	(41.71)	(24.6%)
21 - AMOUNT (\$)	157,945	159,129	(1,184)	(0.7%)
22 - BURNED				
23 - UNITS (BBL)	10,685	940	9,745	1036.7%
24 - UNIT COST (\$/BBL)	114.07	169.29	(55.21)	(32.6%)
25 - AMOUNT (\$)	1,218,860	159,129	1,059,731	666.0%
26 - ADJUSTMENTS				
27 - UNITS (BBL)	0			
28 - AMOUNT (\$)	0			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	692,015	714,259	(22,244)	(3.1%)
31 - UNIT COST (\$/BBL)	108.74	108.87	(0.13)	(0.1%)
32 - AMOUNT (\$)	75,249,995	77,760,783	(2,510,788)	(3.2%)
33 -				
34 - DAYS SUPPLY	2,008	22,796	(20,788)	(91.2%)

A-5 System Generation Fuel Cost Report

Final

Report Period : 10/1/2018 to 10/1/2018

Duke Energy Florida, LLC

Run Date: 11/13/2018 10:15:26 AM

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	364,955	372,764	(7,809)	(2.1%)
37 - UNIT COST (\$/TON)	72.69	75.81	(3.13)	(4.1%)
38 - AMOUNT (\$)	26,527,248	28,261,026	(1,733,778)	(6.1%)
39 - BURNED				
40 - UNITS (TON)	400,000	372,764	27,236	7.3%
41 - UNIT COST (\$/TON)	73.65	75.81	(2.16)	(2.9%)
42 - AMOUNT (\$)	29,460,959	28,261,026	1,199,933	4.2%
43 - ADJUSTMENTS				
44 - UNITS (TON)	0			
45 - AMOUNT (\$)	0			
46 - ENDING INVENTORY				
47 - UNITS (TON)	676,234	914,150	(237,916)	(26.0%)
48 - UNIT COST (\$/TON)	73.24	75.81	(2.58)	(3.4%)
49 - AMOUNT (\$)	49,527,028	69,306,099	(19,779,071)	(28.5%)
50 -				
51 - DAYS SUPPLY				
	52	74	(21)	(28.8%)
GAS				
52 - BURNED				
53 - UNITS (MCF)	18,450,493	18,322,965	127,528	0.7%
54 - UNIT COST (\$/MCF)	4.71	4.62	0.09	2.0%
55 - AMOUNT (\$)	86,900,410	84,616,142	2,284,268	2.7%
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 10/1/2018

Run Date: 11/13/2018 10:28:23 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)	119,805	56,765	63,040	111.1%
20 - UNIT COST (\$/BBL)	115.52	111.45	4.06	3.6%
21 - AMOUNT (\$)	13,839,289	6,326,623	7,512,666	118.7%
22 - BURNED				
23 - UNITS (BBL)	185,422	134,101	51,321	38.3%
24 - UNIT COST (\$/BBL)	114.28	117.04	(2.76)	(2.4%)
25 - AMOUNT (\$)	21,189,825	15,695,217	5,494,608	35.0%
26 - ADJUSTMENTS				
27 - UNITS (BBL)	(760)			
28 - AMOUNT (\$)	(99,086)			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	692,015	714,259	(22,244)	(3.1%)
31 - UNIT COST (\$/BBL)	108.74	108.87	(0.13)	(0.1%)
32 - AMOUNT (\$)	75,249,995	77,760,783	(2,510,788)	(3.2%)
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 10/1/2018

Run Date: 11/13/2018 10:28:23 AM

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	3,074,823	3,538,012	(463,189)	(13.1%)
37 - UNIT COST (\$/TON)	73.62	77.02	(3.40)	(4.4%)
38 - AMOUNT (\$)	226,362,632	272,495,292	(46,132,660)	(16.9%)
39 - BURNED				
40 - UNITS (TON)	3,288,040	3,541,283	(253,243)	(7.2%)
41 - UNIT COST (\$/TON)	74.24	75.68	(1.44)	(1.9%)
42 - AMOUNT (\$)	244,119,390	268,004,049	(23,884,659)	(8.9%)
43 - ADJUSTMENTS				
44 - UNITS (TON)	(27,970)			
45 - AMOUNT (\$)	(1,695,365)			
46 - ENDING INVENTORY				
47 - UNITS (TON)	676,234	914,150	(237,916)	(26.0%)
48 - UNIT COST (\$/TON)	73.24	75.81	(2.58)	(3.4%)
49 - AMOUNT (\$)	49,527,028	69,306,099	(19,779,071)	(28.5%)
50 -				
51 - DAYS SUPPLY	0	0	0	0.0%
GAS				
52 - BURNED				
53 - UNITS (MCF)	188,567,287	184,644,257	3,923,030	2.1%
54 - UNIT COST (\$/MCF)	4.46	4.52	(0.06)	(1.3%)
55 - AMOUNT (\$)	840,853,233	833,907,314	6,945,919	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%

Duke Energy Florida, LLC
Schedule A6
Power Sold for the Month of
October 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		2,666		2,666	3.251	4.156	86,676.00	110,786.00	24,110.00
ACTUAL									
Macquarie Energy LLC		1,600		1,600	4.092	7.419	65,472.00	118,704.00	53,232.00
PJM Settlements, Inc	MR1	1,593		1,593	2.931	3.573	46,687.18	56,922.18	10,235.00
Tallahassee (City of)	CR-1	415		415	3.215	3.750	13,340.29	15,563.52	2,223.23
Tallahassee (City of)	Schedule A	113		113	6.197	7.826	7,002.23	8,843.66	1,841.43
Tampa Electric Company	CR-1	700		700	3.704	4.411	25,930.17	30,878.75	4,948.58
Tennessee Valley Authority	MR1	7,041		7,041	3.331	6.980	234,527.37	491,472.82	256,945.45
ADJUSTMENT									
PJM Settlements								987.99	987.99
Subtotal - Gain on Other Power Sales		11,462		11,462	3.428	6.311	392,959.24	723,372.92	330,413.68
CURRENT MONTH TOTAL		11,462		11,462	3.428	6.311	392,959.24	723,372.92	330,413.68
DIFFERENCE		8,796		8,796	0	2	306,283	612,587	306,304
DIFFERENCE %		330		330	5.456	51.854	353.37	552.95	1,270.44
CUMULATIVE ACTUAL		55,906		55,906	4.431	8.484	2,477,387.93	4,743,171.90	2,265,784.95
CUMULATIVE ESTIMATED		51,015		51,015	4.526	8.398	2,308,988.29	4,284,084.32	1,975,096.03
DIFFERENCE		4891		4891	(0.095)	0.086	168,399.64	459,087.58	290,688.92
DIFFERENCE %		10		10	(2.093)	1.030	7.29	10.72	14.72

DUKE ENERGY FLORIDA, LLC
SCHEDULE A7

PURCHASED POWER
EXCLUSIVE OF ECONOMY PURCHASES
FOR THE MONTH OF:
October, 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 NTERRUPTIBLE (000)	KWH FOR FIRM (000)	FUEL COST C/KWH	TOTAL COST C/KWH	TOTAL AMOUNT FOR FUEL ADJ \$	FUEL COST \$
ESTIMATED		114,075			114,075	4.052	4.052	4,622,388.00	4,622,388.00
ACTUAL									
Shady Hills Power Company, L.L.C.	TOLL	52,206			52,206	6.764	6.76	353,122.53	353,122.53
Southern Power Company	Franklin	133,872			133,872	3.449	3.449	4,617,103.96	4,617,103.96
Vandolah Power Company L.L.C.	TOLL	130,961			130,961	6.124	6.124	8,019,728.71	8,019,728.71
ADJUSTMENTS									
Vandolah Power Company L.L.C.	TOLL	2,348			2,348	19.037	19.037	446,977.29	446,977.29
Shady Hills Power Company, L.L.C.	TOLL	1,578			1,578	14.34	14.34	226,225.65	226,225.65
Southern Power Company	Franklin							(5,901.45)	(5,901.45)
CURRENT MONTH TOTAL		320,965			320,965	5.245	5.245	16,835,359.460	16,835,359.46
DIFFERENCE		206,890			206,890	1.193	1.193	12,212,971.46	12,212,971.46
DIFFERENCE %		181.36			181.363	29.448	29.448	264.21	264.21
CUMULATIVE ACTUAL		3,141,428			3,141,428	4.545	4.545	142,762,330.03	142,762,330.03
CUMULATIVE ESTIMATED		2,386,276			2,386,276	4.360	4.360	104,050,067.49	104,050,067.49
DIFFERENCE		755,152			755,152	0.184	0.184	38,712,262.54	38,712,262.54
DIFFERENCE %		32			32	1.890	1.890	37.21	37.21

DUKE ENERGY FLORIDA, LLC
SCHEDULE A8

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

(1) PURCHASED FROM	(2) TYPE & SCHEDULE	(3) TOTAL PURCHASED KWH (000)	(4) KWH FOR OTHER UTILITIES (000)	(5) KWH FOR TERRUPTIBI (000)	(6) KWH FOR FIRM (000)	(7) ENERGY COST C/KWH	(8) TOTAL COST C/KWH	(9) TOTAL AMOUNT FOR FUEL ADJ \$
ESTIMATED		170,616			170,616	4.215	19.004	7,192,194.16
ACTUAL								
Citrus World (CITRUS) ADJ	CO-GEN	10 9			10 9	2.972	2.972	285.62 277.61
Florida Power Development (FCRUSHAS) ADJ	CO-GEN							
Florida Power Development (FLACRUSH) ADJ	CO-GEN							
Lake County (LAKCOUNT) ADJ	CO-GEN	657			657	3.080	3.080	20,237.87 (886.31)
Lee County (LEECOGAS) ADJ	CO-GEN							
Metro-Dade County (METRDADE) ADJ	CO-GEN							
Metro-Dade County (METRDDAS) ADJ	CO-GEN	5,337			5,337	2.925	2.925	156,118.29 (8,579.15)
Orange Cogen (ORANGEAS) ADJ	CO-GEN	408			408	2.844	2.844	11,605.18 (1,024.73)
Orange Cogen (ORANGECO) ADJ	CO-GEN	20,313			20,313	4.341	4.341	881,787.33 5,152.78
Orlando Cogen Limited (ORLACOGL) ADJ	CO-GEN	89,441 481			89,441 481	5.517	5.517	4,934,459.97 (48,024.41)
Orlando Cogen Limited (ORLCOGAS) ADJ	CO-GEN							
Pasco County Resource Recovery (PASCOUNT) ADJ	CO-GEN	11,560			11,560	2.811	2.811	324,918.46 (12,293.77)
PCS Phosphate (OCSWFCRK) ADJ	CO-GEN	1 (11)			1 (11)	3.866	3.866	23.97 (390.13)
Pinellas County Resource Recovery (PINCOUNT) ADJ	CO-GEN	16,906			16,906	2.804	2.804	473,997.93 (32,629.55)
Polk Power Partners, L.P. (MULBERRY) ADJ	CO-GEN	38,290			38,290	3.400	3.400	1,301,860.00 (11,968.74)
Wheelabrator Ridge Energy, Inc. (RIDGEGEN) ADJ	CO-GEN	20,797			20,797	5.667	5.667	1,178,565.99 26,027.62
CURRENT MONTH TOTAL		204,198			204,198	4.505	4.505	9,199,521.82
DIFFERENCE		33,582			33,582	0.290	(14.499)	2,007,327.66
DIFFERENCE %		20			20	6.874	(321.826)	27.91
CUMULATIVE ACTUAL		2,589,105			2,589,105	4.468	4.468	115,673,566.57
CUMULATIVE ESTIMATED		2,648,144			2,648,144	4.488	4.488	118,835,546.39
CUMULATIVE DIFFERENCE		(59,039)			(59,039)	(0.020)	(0.020)	(3,161,979.82)
CUMULATIVE DIFFERENCE %		(2)			(2)	(0.441)	(0.441)	(2.66)

DUKE ENERGY FLORIDA, LLC.
SCHEDULE A9

ECONOMY ENERGY PURCHASES
INCLUDING LONG TERM PURCHASES
FOR THE MONTH OF:
OCTOBER, 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		5,340	3 837	204,877.00	5 029	268,515.00	63,638.00
ACTUAL:							
SubTotal - Energy Purchases (Broker)							
SEPA	Hydro	787	3 821	\$30,071.42	3 821	30,071.42	
Duke Electric Transmission	Transmission Purchase			\$8,192.59			(8,192.59)
Exelon Generation Company, LLC	InternationalSwapsDe	1,550	4 342	\$67,300.00	10.15	\$157,256.96	89,956.96
Florida Power & Light Company	Transmission Purchase			\$37,276.12			(37,276.12)
Florida Power & Light Company		3,150	3 333	\$105,000.00	4.127	\$129,986.50	24,986.50
Jacksonville Electric Authority	Transmission Purchase			\$6,366.72			(6,366.72)
Macquarie Energy LLC		611	4 600	\$28,106.00	5 624	\$34,362.00	6,256.00
Orlando Utilities Commission	Schedule OS	150	6.100	\$9,150.00	25 023	\$37,534.50	28,384.50
PJM Inter.-Transmission	Transmission Purchase			\$893.86			(893.86)
PJM Settlements, Inc	MR1	1,054	2 644	\$27,867.70	5 281	\$55,666.00	27,798.30
Southern Company Services, Inc.	EEI	8,414	5.142	\$432,688.00	9 217	\$775,476.64	342,788.64
Southern Company Services, Inc. Transmission	Transmission Purchase			17,786.53			(17,786.53)
Tallahassee (City of)	Schedule OS	3,360	1 619	54,409.00	2.998	100,734.99	46,325.99
Tampa Electric Company	EEI2	2,440	3.506	85,540.00	5 856	142,895.40	57,355.40
Tennessee Valley Authority Transmission	Transmission Purchase			1,495.00			(1,495.00)
ADJUSTMENTS							
PJM Settlements				1,067.18			(1,067.18)
Southern Company Transmission				61,812.06			(61,812.06)
Florida Power & Light				(4.17)			4.17
Tampa Electric				(43,981.15)			43,981.15
Duke Electric Transmission				3,869.53			(3,869.53)
SubTotal - Energy Purchases (Non-Broker)							
		21,516	4 345	934,906.39	6 804	1,463,984.41	529,078.02
CURRENT MONTH TOTAL		21,516	4 345	934,906.39	6 804	1,463,984.41	529,078.02
DIFFERENCE		16,176	0.5081682	730,029.39	1.775166248	1,195,469.41	465,440.02
DIFFERENCE %		303	13 244	356.33	35 299	445.22	731.39
CUMULATIVE ACTUAL		245,685	4.732	11,626,466.43	6 885	16,914,549.73	5,288,083.30
CUMULATIVE ESTIMATED		179,568	4.504	8,087,966.00	6 021	10,810,966.00	2,723,001.00
DIFFERENCE		66,117	0 228	3,538,500.43	0 864	6,103,583.73	2,565,082.30
DIFFERENCE %		37	5 065	43.75	14 353	56.46	94.20

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	0	0	53,312,755.71
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	0	0	53,429,087.26
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	0	0	18,981,900.00
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	0	0	45,185,175.00
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	0	0	73,210,663.40
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	800,946	0	0	7,962,179.38
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	0	0	42,061,161.83
8 Retail Wheeling				(82,003)	(2,819)	(5,894)	(4,260)	(35,146)	0	0	(567)	(13,875)	(53,736)	0	0	(198,299.95)
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	0	0	41,627,204.00
10 ISFSI Return				677,047	628,287	579,175	555,717	573,770	573,765	573,771	573,769	573,883	573,769	0	0	5,882,954.56
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	0	0	341,454,781
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	4,856,595	0	0	73,736,683
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	0	0	415,191,465