



Matthew R. Bernier
ASSOCIATE GENERAL COUNSEL

August 21, 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 July 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/cm
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 July 2018 have been furnished to the following individuals via e-mail on this 21st day of August, 2018.

/s/ *Matthew R. Bernier*
Attorney

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DUKE ENERGY FLORIDA
FUEL AND PURCHASED POWER

JULY 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)	125,129,647	134,146,384	(9,016,737)	(6.7)	3,576,054	3,800,230	(224,176)	(5.9)	3.4991	3.5300	(0.0309)	(0.9)
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	2,753,469	0	2,753,469	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	127,883,116	134,146,384	(6,263,268)	(4.7)	3,576,054	3,800,230	(224,176)	(5.9)	3.5761	3.5300	0.0461	1.3
5 ENERGY COST OF PURCHASED POWER - FIRM (SCH A7)	20,739,444	11,454,032	9,285,412	81.1	502,032	284,901	217,131	76.2	4.1311	4.0204	0.1107	2.8
6 ENERGY COST OF SCH C,X ECONOMY PURCH - BROKER (SCH A9)	-	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)	2,189,978	314,846	1,875,132	595.6	42,694	6,294	36,400	578.4	5.1295	5.0026	0.1269	2.5
8 PAYMENTS TO QUALIFYING FACILITIES (SCH A8)	10,674,282	14,137,764	(3,463,482)	(24.5)	260,528	301,215	(40,687)	(13.5)	4.0972	4.6936	(0.5964)	(12.7)
9 TOTAL COST OF PURCHASED POWER	33,603,705	25,906,642	7,697,063	29.7	805,254	592,410	212,845	35.9	4.1731	4.3731	(0.2000)	(4.6)
10 TOTAL AVAILABLE MWH					4,381,308	4,392,640	(11,332)	(0.3)				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(5,417)	(127,214)	121,797	(95.7)	(119)	(3,496)	3,377	(96.6)	4.5522	3.6384	0.9138	25.1
11a GAIN ON OTHER POWER SALES - 100% (SCH A6)	(354)	(35,387)	35,033	(99.0)	(119)	(3,496)	3,377	(96.6)	0.2972	1.0121	(0.7149)	(70.6)
11b GAIN ON TOTAL POWER SALES - 20% (SCH A6)	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
12 FUEL COST OF STRATIFIED SALES	(3,645,788)	(2,570,679)	(1,075,109)	41.8	(197,490)	(144,332)	(53,158)	36.8	1.8461	1.7811	0.0650	3.7
13 TOTAL FUEL COST AND GAINS ON POWER SALES	(3,651,558)	(2,733,280)	(918,279)	33.6	(197,609)	(147,828)	(49,781)	33.7	1.8479	1.8490	(0.0011)	(0.1)
14 NET INADVERTENT AND WHEELED INTERCHANGE					25,883	0	25,883					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	157,835,263	157,319,747	515,516	0.3	4,209,582	4,244,812	(35,229)	(0.8)	3.7494	3.7062	0.0432	1.2
16 NET UNBILLED	2,227,585	4,829,897	(2,602,312)	(53.9)	(59,411)	(130,321)	70,909	(54.4)	0.0577	0.1250	(0.0673)	(53.8)
17 COMPANY USE	697,040	580,666	116,374	20.0	(18,591)	(15,668)	(2,923)	18.7	0.0181	0.0150	0.0031	20.7
18 T & D LOSSES	10,252,536	8,654,434	1,598,102	18.5	(273,443)	(233,515)	(39,928)	17.1	0.2657	0.2239	0.0418	18.7
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	157,835,263	157,319,747	515,516	0.3	3,858,138	3,865,309	(7,171)	(0.2)	4.0910	4.0700	0.0210	0.5
20 WHOLESALE KWH SALES (EXCLUDING STRATIFIED SALES)	(1,089,063)	(912,455)	(176,609)	19.4	(26,681)	(22,368)	(4,313)	19.3	4.0818	4.0793	0.0025	0.1
21 JURISDICTIONAL KWH SALES	156,746,199	156,407,292	338,907	0.2	3,831,457	3,842,941	(11,484)	(0.3)	4.0910	4.0700	0.0210	0.5
22 JURISDICTIONAL KWH SALES ADJUSTED FOR LINE LOSS - 1.00031	156,794,791	156,455,778	339,012	0.2	3,831,457	3,842,941	(11,484)	(0.3)	4.0923	4.0713	0.0210	0.5
23 PRIOR PERIOD TRUE-UP	8,145,991	8,145,991	(0)	0.0	3,831,457	3,842,941	(11,484)	(0.3)	0.2126	0.2120	0.0006	0.3
24 TOTAL JURISDICTIONAL FUEL COST	164,940,781	164,601,769	339,012	0.2	3,831,457	3,842,941	(11,484)	(0.3)	4.3049	4.2833	0.0216	0.5
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									4.3080	4.2864	0.0216	0.5
27 GPIF	232,768	232,768			3,831,457	3,842,941			0.0061	0.0061	0.0000	0.0
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									4.314	4.293	0.022	0.5

*Line 15a. MWH Data for Infomational Purposes Only

DUKE ENERGY FLORIDA
FUEL AND PURCHASED POWER
COST RECOVERY CLAUSE CALCULATION
YEAR TO DATE - JULY 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)	732,302,145	741,318,881	(9,016,737)	(1.2)	20,919,404	21,143,580	(224,175)	(1.1)	3.5006	3.5061	(0.0055)	(0.2)
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	2,761,840	8,370	2,753,469	32,894.9	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	735,063,984	741,327,252	(6,263,268)	(0.8)	20,919,404	21,143,580	(224,175)	(1.1)	3.5138	3.5062	0.0076	0.2
5 ENERGY COST OF PURCHASED POWER - FIRM (SCH A7)	89,977,439	80,692,026	9,285,412	11.5	2,012,925	1,795,794	217,131	12.1	4.4700	4.4934	(0.0234)	(0.5)
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)	8,846,055	6,970,923	1,875,132	26.9	191,576	155,176	36,400	23.5	4.6175	4.4923	0.1252	2.8
8 PAYMENTS TO QUALIFYING FACILITIES (SCH A8)	85,622,351	89,085,833	(3,463,482)	(3.9)	1,913,629	1,954,316	(40,687)	(2.1)	4.4743	4.5584	(0.0841)	(1.8)
9 TOTAL COST OF PURCHASED POWER	184,445,845	176,748,783	7,697,063	4.4	4,118,130	3,905,286	212,845	5.5	4.4789	4.5259	(0.0470)	(1.0)
10 TOTAL AVAILABLE MWH					25,037,535	25,048,866	(11,331)	(0.1)				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(1,582,201)	(1,703,998)	121,797	(7.2)	(33,907)	(37,284)	3,377	(9.1)	4.6663	4.5703	0.0960	2.1
11a GAIN ON OTHER POWER SALES - 100% (SCH A6)	(1,771,779)	(1,806,812)	35,033	(1.9)	(33,907)	(37,284)	3,377	(9.1)	5.2254	4.8460	0.3794	7.8
11b GAIN ON TOTAL POWER SALES - 20% (SCH A6)	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
12 FUEL COST OF STRATIFIED SALES	(26,593,951)	(25,518,842)	(1,075,109)	4.2	(1,211,230)	(1,158,072)	(53,158)	4.6	2.1956	2.2036	(0.0080)	(0.4)
13 TOTAL FUEL COST AND GAINS ON POWER SALES	(29,947,931)	(29,029,652)	(918,279)	3.2	(1,245,137)	(1,195,356)	(49,781)	4.2	2.4052	2.4285	(0.0233)	(1.0)
14 NET INADVERTENT AND WHEELED INTERCHANGE					122,852	96,969	25,883					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	889,561,898	889,046,382	515,516	0.1	23,915,250	23,950,478	(35,228)	(0.2)	3.7196	3.7120	0.0076	0.2
16 NET UNBILLED	16,639,339	19,661,226	(3,021,887)	(15.4)	(447,337)	(518,245)	70,908	(13.7)	0.0762	0.0900	(0.0138)	(15.3)
17 COMPANY USE	4,433,313	4,324,233	109,080	2.5	(119,187)	(116,264)	(2,923)	2.5	0.0203	0.0198	0.0005	2.5
18 T & D LOSSES	55,902,662	54,262,066	1,640,596	3.0	(1,502,904)	(1,462,976)	(39,928)	2.7	0.2559	0.2483	0.0076	3.1
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	889,561,898	889,046,382	515,516	0.1	21,845,822	21,852,993	(7,171)	(0.0)	4.0720	4.0683	0.0037	0.1
20 WHOLESALE KWH SALES (EXCLUDING STRATIFIED SALES)	(5,494,602)	(5,317,993)	(176,609)	3.3	(132,625)	(128,312)	(4,313)	3.4	4.1430	4.1446	(0.0016)	(0.0)
21 JURISDICTIONAL KWH SALES	884,067,297	883,728,390	338,907	0.0	21,713,198	21,724,681	(11,484)	(0.1)	4.0716	4.0679	0.0037	0.1
22 JURISDICTIONAL KWH SALES ADJUSTED FOR LINE LOSS - 1.00031	884,442,772	884,103,760	339,012	0.0	21,713,198	21,724,681	(11,484)	(0.1)	4.0733	4.0696	0.0037	0.1
23 PRIOR PERIOD TRUE-UP	57,021,934	57,021,937	(3)	0.0	21,713,198	21,724,681	(11,484)	(0.1)	0.2626	0.2625	0.0001	0.0
24 TOTAL JURISDICTIONAL FUEL COST	941,464,706	941,125,697	339,009	0.0	21,713,198	21,724,681	(11,484)	(0.1)	4.3359	4.3321	0.0038	0.1
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									4.3390	4.3352	0.0038	0.1
27 GPIF	1,629,376	1,629,376			21,713,198	21,724,681			0.0075	0.0075	0.0000	100.0
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									4.347	4.343	0.004	0.1

*Line 15a. MWH Data for Infomational Purposes Only

DUKE ENERGY FLORIDA
CALCULATION OF TRUE-UP AND INTEREST PROVISION
JULY 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	\$125,129,647	134,146,384	(\$9,016,737)	(6.7)	\$732,302,145	\$741,318,881	(\$9,016,737)	(1.2)
1a. COAL CAR SALE	-	0	0	0.0	0	0	0	0.0
2 . FUEL COST OF POWER SOLD	(5,417)	(127,214)	121,797	(95.7)	(1,582,201)	(1,703,998)	121,797	(7.2)
2a. GAIN ON POWER SALES	(354)	(35,387)	35,033	(99.0)	(1,771,779)	(1,806,812)	35,033	(1.9)
3 . FUEL COST OF PURCHASED POWER	20,739,444	11,454,032	9,285,412	81.1	89,977,439	80,692,026	9,285,412	11.5
3a. ENERGY PAYMENTS TO QUALIFYING FACILITIES	10,674,282	14,137,764	(3,463,482)	(24.5)	85,622,351	89,085,833	(3,463,482)	(3.9)
4 . ENERGY COST OF ECONOMY PURCHASES	2,189,978	314,846	1,875,132	595.6	8,846,055	6,970,923	1,875,132	26.9
5 . TOTAL FUEL & NET POWER TRANSACTIONS	158,727,581	159,890,425	(1,162,844)	(0.7)	913,394,010	914,556,854	(1,162,844)	(0.1)
6 . ADJUSTMENTS TO FUEL COST:								
6a. FUEL COST OF STRATIFIED SALES	(3,645,788)	(2,570,679)	(1,075,109)	41.8	(26,593,951)	(25,518,842)	(1,075,109)	4.2
6b. OTHER- JURISDICTIONAL ADJUSTMENTS (see detail below)	2,753,469	0	2,753,469	0.0	2,761,840	8,370	2,753,469	32,894.9
6c. OTHER - PRIOR PERIOD ADJUSTMENT	0	0	0	0.0	0	0	0	0.0
7 . ADJUSTED TOTAL FUEL & NET PWR TRNS	\$157,835,263	\$157,319,747	\$515,516	0.3	\$889,561,898	\$889,046,382	\$515,516	0.1

FOOTNOTE: DETAIL OF LINE 6b ABOVE

INSPECTION & FUEL ANALYSIS REPORTS (Wholesale Portion)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
N/A - Not used	0	0	0	0	0	0	0
UNIVERSITY OF FLORIDA STEAM REVENUE ALLOCATION (Wholesale Portion)	690	0	690	4,200	0	4,200	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)	1,695,365	0	1,695,365	1,695,365	0	1,695,365	0
FDP AGREEMENT TERMINATION	1,057,414	0	1,057,414	1,057,414	0	1,057,414	0
N/A - Not used	0	0	0	0	0	0	0
Gain/Loss on Disposition of Oil	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	\$2,753,469	\$0	\$2,753,469	\$2,761,840	\$0	\$2,761,840	\$0

B. KWH SALES								
1 . JURISDICTIONAL SALES	3,831,457,464	3,842,941,017	(11,483,553)	(0.3)	21,713,197,696	21,724,681,249	(11,483,553)	(0.1)
2 . NON JURISDICTIONAL (WHOLESALE) SALES	26,680,658	22,368,000	4,312,658	19.3	132,624,732	128,312,074	4,312,658	3.4
3 . TOTAL SALES	3,858,138,122	3,865,309,017	(7,170,895)	(0.2)	21,845,822,428	21,852,993,323	(7,170,895)	(0.0)
4 . JURISDICTIONAL SALES % OF TOTAL SALES	99.31	99.42	(0.11)	(0.1)	99.39	99.41	(0.02)	(0.0)

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

	CURRENT MONTH				YEAR TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT
C. TRUE UP CALCULATION								
1. JURISDICTIONAL FUEL REVENUE	\$158,980,145	\$158,485,523	\$494,622	0.3	\$886,291,972	\$885,797,349	\$494,622	0.1
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	(57,021,934)	(57,021,937)	3	0.0
2b. INCENTIVE PROVISION	(232,768)	(232,768)	0	0.0	(1,629,376)	(1,629,376)	0	0.0
3. TOTAL JURISDICTIONAL FUEL REVENUE	150,601,386	150,106,764	494,623	0.3	827,640,661	827,146,036	494,625	0.1
4. ADJ TOTAL FUEL & NET PWR TRNS (LINE A7)	157,835,263	157,319,747	515,516	0.3	889,561,898	889,046,382	515,516	0.1
5. JURISDICTIONAL SALES % OF TOT SALES (LINE B4)	99.31	99.42	(0.11)	(0.1)	0.00	99.41	(99.41)	(100.0)
6. JURISDICTIONAL FUEL & NET POWER TRANSACTIONS (LINE C4 * LINE C5 * 1.00031 LOSS MULTIPLIER)	156,794,791	156,455,778	339,012	0.2	884,442,772	884,103,760	339,012	0.0
7. TRUE UP PROVISION FOR THE MONTH OVER/(UNDER) COLLECTION (LINE C3 - C6)	(6,193,404)	(6,349,015)	155,610	(2.5)	(56,802,111)	(56,957,724)	155,613	(0.3)
8. INTEREST PROVISION FOR THE MONTH (LINE D10)	(353,318)	(342,645)	(10,673)	3.1	(2,129,094)	(2,118,421)	(10,673)	0.5
9. TRUE UP & INTEREST PROVISION BEG OF MONTH/PERIOD	(215,108,517)	(215,108,520)	3	0.0	(211,599,978)	(211,599,981)	3	0.0
10. TRUE UP COLLECTED (REFUNDED)	8,145,991	8,145,991	(0)	0.0	57,021,934	57,021,937	(3)	0.0
11. END OF PERIOD TOTAL NET TRUE UP (LINES C7 + C8 + C9 + C10)	(213,509,249)	(213,654,189)	144,940	(0.1)	(213,509,249)	(213,654,189)	144,940	(0.1)
12. OTHER:	0				0		0	
13. END OF PERIOD TOTAL NET TRUE UP (LINES C11 + C12)	(\$213,509,249)	(213,654,189)	144,940	(0.1)	(\$213,509,249)	(213,654,189)	144,940	(0.1)
D. INTEREST PROVISION								
1. BEGINNING TRUE UP (LINE C9)	(\$215,108,517)	N/A	--	--				
2. ENDING TRUE UP (LINES C7 + C9 + C10 + C12)	(213,155,931)	N/A	--	--				
3. TOTAL OF BEGINNING & ENDING TRUE UP	(428,264,448)	N/A	--	--			NOT	
4. AVERAGE TRUE UP (50% OF LINE D3)	(214,132,224)	N/A	--	--				
5. INTEREST RATE - FIRST DAY OF REPORTING MONTH	1.980	N/A	--	--				
6. INTEREST RATE - FIRST DAY OF SUBSEQUENT MONTH	1.980	N/A	--	--				
7. TOTAL (LINE D5 + LINE D6)	3.960	N/A	--	--				
8. AVERAGE INTEREST RATE (50% OF LINE D7)	1.980	N/A	--	--				
9. MONTHLY AVERAGE INTEREST RATE (LINE D8/12)	0.165	N/A	--	--				
10. INTEREST PROVISION (LINE D4 * LINE D9)	(\$353,318)	N/A	--	--				

A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Report Period : **Final**
7/1/2018 to 7/1/2018
Run Date: 8/9/2018 11:27:50 AM

FUEL COST OF SYSTEM	ACTUAL	ESTIMATED	DIFFERENCE	DIFFERENCE (%)
NET GENERATION (\$)				
1 - HEAVY OIL	0	0	0	0.0 %
2 - LIGHT OIL	2,922,552	192,064	2,730,488	1421.7 %
3 - COAL	21,523,679	36,026,902	(14,503,223)	(40.3 %)
4 - GAS	100,683,417	97,927,418	2,755,999	2.8 %
5 - NUCLEAR	0	0	0	0.0 %
6	0	0	0	0.0 %
7	0	0	0	0.0 %
8 - TOTAL (\$)	125,129,647	134,146,384	(9,016,737)	(6.7 %)
SYSTEM NET GENERATION (MWH)				
9 - HEAVY OIL	0	0	0	0.0 %
10 - LIGHT OIL	11,797	80	11,717	14646.6 %
11 - COAL	620,544	1,030,081	(409,537)	(39.8 %)
12 - GAS	2,942,687	2,766,469	176,218	6.4 %
13 - NUCLEAR	0	0	0	0.0 %
14 - SOLAR	1,025	3,601	(2,576)	(71.5 %)
15	0	0	0	0.0 %
16 - TOTAL (MWH)	3,576,053	3,800,231	(224,178)	(5.9 %)
UNITS OF FUEL BURNED				
17 - HEAVY OIL (BBL)	0	0	0	0.0 %
18 - LIGHT OIL (BBL)	26,596	1,228	25,368	2065.8 %
19 - COAL (TON)	274,305	463,264	(188,959)	(40.8 %)
20 - GAS (MCF)	23,242,647	21,725,689	1,516,958	7.0 %
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	153,488	7,156	146,332	2044.9 %
26 - COAL	6,423,725	10,741,429	(4,317,704)	(40.2 %)
27 - GAS	23,738,191	21,725,689	2,012,502	9.3 %
28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (MILLION BTU)	30,315,404	32,474,274	(2,158,870)	(6.6 %)
GENERATION MIX (% MWH)				
32 - HEAVY OIL	0.0	0.00	0.0	0.0 %
33 - LIGHT OIL	0.3	0.00	0.3	15571.1 %
34 - COAL	17.4	27.11	(9.8)	(36.0 %)
35 - GAS	82.3	72.80	9.5	13.0 %
36 - NUCLEAR	0.0	0.00	0.0	0.0 %
37 - SOLAR	0.03	0.09	(0.07)	(69.8 %)
38	0	0	0	0
39 - TOTAL (% MWH)	100.0	100	0	0.1 %

A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Report Period : **Final**
7/1/2018 to 7/1/2018
Run Date: 8/9/2018 11:27:50 AM

FUEL COST PER UNIT (\$)

40 - HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.0 %
41 - LIGHT OIL (\$/BBL)	109.89	156.40	(46.52)	(29.7 %)
42 - COAL (\$/TON)	78.47	77.77	0.70	0.9 %
43 - GAS (\$/MCF)	4.33	4.51	(0.18)	(3.9 %)
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	19.04	26.84	(7.80)	(29.1 %)
49 - COAL	3.35	3.35	(0.00)	(0.1 %)
50 - GAS	4.24	4.51	(0.27)	(5.9 %)
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)	4.13	4.13	(0.00)	(0.1 %)
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BTU BURNED PER KWH (BTU/KWH)

55 - HEAVY OIL	0	0	0	0.0 %
56 - LIGHT OIL	13,010	89,450	(76,440)	(85.5 %)
57 - COAL	10,352	10,428	(76)	(0.7 %)
58 - GAS	8,067	7,853	214	2.7 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %

62 - SYSTEM (BTU/KWH)	8,477	8,545	(68)	(0.8 %)
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GENERATED FUEL COST PER KWH (CENTS/KWH)

63 - HEAVY OIL	0.00	0.00	0.00	0.0 %
64 - LIGHT OIL	24.77	240.08	(215.31)	(89.7 %)
65 - COAL	3.47	3.50	(0.03)	(0.8 %)
66 - GAS	3.42	3.54	(0.12)	(3.3 %)
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	3.53	(0.03)	(0.9 %)
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A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Report Period : 1/1/2018 to 7/1/2018

Run Date: 8/15/2018 9:58:38 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		17,852,950	15,122,463	2,730,487	18.1 %
3 - COAL		154,543,919	169,047,143	(14,503,224)	(8.6 %)
4 - GAS		559,905,275	557,149,276	2,755,999	0.5 %
5 - NUCLEAR		0	0	0	0.0 %
6		0	0	0	0.0 %
7		0	0	0	0.0 %
8 - TOTAL (\$)		732,302,145	741,318,882	(9,016,737)	(1.2 %)
SYSTEM NET GENERATION (MWH)					
9 - HEAVY OIL		0	0	0	0.0 %
10 - LIGHT OIL		71,741	60,025	11,716	19.5 %
11 - COAL		4,618,129	5,027,666	(409,537)	(8.1 %)
12 - GAS		16,211,828	16,035,610	176,218	1.1 %
13 - NUCLEAR		0	0	0	0.0 %
14 - SOLAR		17,705	20,281	(2,576)	(12.7 %)
15		0	0	0	0.0 %
16 - TOTAL (MWH)		20,919,403	21,143,582	(224,179)	(1.1 %)
UNITS OF FUEL BURNED					
17 - HEAVY OIL (BBL)		0	0	0	0.0 %
18 - LIGHT OIL (BBL)		155,748	130,380	25,368	19.5 %
19 - COAL (TON)		2,081,379	2,270,338	(188,959)	(8.3 %)
20 - GAS (MCF)		125,213,304	123,696,346	1,516,958	1.2 %
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 OIL		0	0	0	0.0 %
25 - LIGHT OIL		900,949	754,616	146,333	19.4 %
26 - COAL		47,813,213	52,130,918	(4,317,705)	(8.3 %)
27 - GAS		127,825,457	125,812,955	2,012,502	1.6 %
28 - NUCLEAR		0	0	0	0.0 %
29		0	0	0	0.0 %
30		0	0	0	0.0 %
31 - TOTAL (MILLION BTU)		176,539,619	178,698,489	(2,158,870)	(1.2 %)
GENERATION MIX (% MWH)					
32 - HEAVY OIL		0.0	0.00	0.0	0.0 %
33 - LIGHT OIL		0.3	0.28	0.1	20.8 %
34 - COAL		22.1	23.78	(1.7)	(7.2 %)
35 - GAS		77.5	75.84	1.7	2.2 %
36 - NUCLEAR		0.0	0.00	0.0	0.0 %
37 - SOLAR		0.08	0.10	(0.01)	(11.8 %)
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 7/1/2018

Run Date: 8/15/2018 9:58:38 AM

FUEL COST PER UNIT (\$)

40 - HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.0 %
41 - LIGHT OIL (\$/BBL)	114.63	115.99	(1.36)	(1.2 %)
42 - COAL (\$/TON)	74.25	74.46	(0.21)	(0.3 %)
43 - GAS (\$/MCF)	4.47	4.50	(0.03)	(0.7 %)
44 - NUCLEAR (\$/MBTU)	0.00	0.00	0.00	0.0 %
45	0.00	0.00	0.00	0.0 %
46	0.00	0.00	0.00	0.0 %

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

47 - HEAVY OIL	0.00	0.00	0.00	0.0 %
48 - LIGHT OIL	19.82	20.04	(0.22)	(1.1 %)
49 - COAL	3.23	3.24	(0.01)	(0.3 %)
50 - GAS	4.38	4.43	(0.05)	(1.1 %)
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)

4.15	4.15	(0.00)	(0.0 %)
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BTU BURNED PER KWH (BTU/KWH)

55 - HEAVY OIL	0	0	0	0.0 %
56 - LIGHT OIL	12,558	12,572	(13)	(0.1 %)
57 - COAL	10,353	10,369	(15)	(0.1 %)
58 - GAS	7,885	7,846	39	0.5 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %

62 - SYSTEM (BTU/KWH)

8,439	8,452	(13)	(0.1 %)
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GENERATED FUEL COST PER KWH (CENTS/KWH)

63 - HEAVY OIL	0.00	0.00	0.00	0.0 %
64 - LIGHT OIL	24.89	25.19	(0.31)	(1.2 %)
65 - COAL	3.35	3.36	(0.02)	(0.5 %)
66 - GAS	3.45	3.47	(0.02)	(0.6 %)
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)

3.50	3.51	(0.01)	(0.2 %)
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A-4 System Net Generation and Fuel Cost Report

Duke Energy Florida, LLC

Report Period : 7/1/2018 to 7/1/2018
Run Date: 8/9/2018 11:28:22 AM

(A) PLANT	(B) NET CAP (MW)	(C) NET GENERATION	(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	(N) FUEL COST PER UNIT (\$)
Solar													
Osceola Solar Facility 1													
TOTAL UNIT 1	4	409.00	14			0				0	0	0.000	
Perry Solar Facility 1													
TOTAL UNIT 1	5	570.00	15			0				0	0	0.000	
Suwanee Solar Facility													
TOTAL UNIT 1	9	46.00	1			0				0	0	0.000	
TOTAL Solar	18	1,025.00				0				0	0	0.000	
Steam													
Anclote													
TOTAL UNIT 1	511	201,225.00	53			10,812	Gas	2,126,718	1.023	2,175,633	8,546,327	4.247	4.019
TOTAL UNIT 2	514	184,372.00	48			11,019	Gas	1,985,878	1.023	2,031,553	7,980,354	4.328	4.019
TOTAL Anclote		385,597.00				21,831				4,207,186	16,526,681	4.287	4.019
Crystal River 1 & 2													
TOTAL UNIT 1		0.00				0				0	0	0.000	
TOTAL UNIT 2	448	70,631.00	21			13,279	Coal	41,110	22.228	913,793	4,044,279	5.726	98.377
TOTAL UNIT 2	448	70,631.00	21			13,279	No 2	4,180	5.770	24,118	457,848	0.000	109.533
TOTAL Crystal River 1 & 2		70,631.00				13,279				937,911	4,502,127	6.374	
Crystal River 4 & 5													
TOTAL UNIT 4	721	391,864.00	73			9,880	Coal	163,421	23.628	3,861,311	12,249,409	3.126	74.956
TOTAL UNIT 4	721	391,864.00	73			9,880	No 2	1,764	5.775	10,187	193,219	0.000	109.535
TOTAL Crystal River 4 & 5		391,864.00				9,880				3,871,499	12,442,628	3.175	
TOTAL UNIT 5	721	162,511.00	30			10,246	Coal	69,774	23.628	1,648,620	5,229,990	3.218	74.956
TOTAL UNIT 5	721	162,511.00	30			10,246	No 2	2,864	5.775	16,540	313,707	0.000	109.535
TOTAL Steam	2,915	1,010,603.00				10,570				10,681,755	39,015,134	4.000	

A-4 System Net Generation and Fuel Cost Report

Duke Energy Florida, LLC

Report Period : 7/1/2018 to 7/1/2018
Run Date: 8/9/2018 11:28:22 AM

(A) PLANT	(B) NET CAP (MW)	(C) NET GENERATION	(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	(N) FUEL COST PER UNIT (\$)
Gas Turbine													
Avon Park Peaker													
TOTAL APP	0	0.00	0			0	Gas	0	0.000	0	315	0.000	0.000
Bartow Combined Cycle													
TOTAL BCC	978	548,354.00	75			7,694	Gas	4,136,109	1.020	4,218,831	19,123,169	3.487	4.623
Bartow Peaker													
TOTAL BAP	223	4,079.00	2			16,016	No 2 Gas	546 60,930	5.712 1.021	3,119 62,210	56,810 245,119	29.174 6.311	104.047 4.023
Bayboro Peaker													
TOTAL BYP	238	226.00	0			14,981	No 2	593	5.712	3,387	83,692	37.016	141.134
Debary Peaker													
TOTAL DEP	548	12,566.00	3			13,476	No 2 Gas	10,240 107,807	5.757 1.024	58,950 110,394	1,186,557 431,370	27.126 5.266	115.875 4.001
Higgins Peaker													
TOTAL HGP	116	3,930.00	5			17,057	Gas	65,536	1.023	67,043	263,985	6.716	4.028
Hines Energy													
TOTAL HEP	2,199	1,412,959.00	86			7,210	Gas	9,977,648	1.021	10,187,179	42,035,337	2.975	4.213
Intercession City Peaker													
TOTAL ICP	1,139	88,917.00	10			13,207	No 2 Gas	6,101 1,114,437	5.802 1.022	35,396 1,138,955	602,392 5,267,463	22.477 6.108	98.737 4.727
Osprey													
TOTAL OSP	600	299,965.00	67			7,274	Gas	2,134,866	1.022	2,181,833	10,026,241	3.342	4.696
Suwannee Peaker													
TOTAL SRP	203	6,417.00	4			14,602	No 2 Gas	308 89,848	5.817 1.023	1,792 91,915	28,326 360,082	23.086 5.720	91.968 4.008
Tiger Bay Cogen													
TOTAL TBP	231	155,014.00	90			7,478	Gas	1,136,479	1.020	1,159,209	5,277,142	3.404	4.643
Univ of Florida Cogen													
TOTAL UFP	47	31,998.00	92			9,796	No 2 Gas	0 306,391	0.000 1.023	0 313,438	0 1,126,512	0.000 3.521	0.000 3.677
TOTAL Gas Turbine	6,522	2,564,426.00				7,656				19,633,649	86,114,198	3.358	
SYSTEM TOTAL	9,455	3,576,053.83				8,477				30,315,404	125,129,332	3.499	

A-4 System Net Generation and Fuel Cost Report

Duke Energy Florida, LLC

Report Period :
Run Date:

1/1/2018 to 7/1/2018
8/9/2018 11:29:54 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	3,996.00	20			0				0	0	0.000	
Perry Solar Facility 1													
TOTAL UNIT 1	5	4,121.00	16			0				0	0	0.000	
Suwanee Solar Facility													
TOTAL UNIT 1	9	9,588.00	21			0				0	0	0.000	
TOTAL Solar	18	17,705.00				0				0	0	0.000	
Steam													
Anclote													
TOTAL UNIT 1	511	976,602.00	38			10,835	Gas	10,343,029	1.023	10,581,349	47,095,866	4.822	4.553
TOTAL UNIT 2	514	531,800.00	20			11,301	Gas	5,874,534	1.023	6,009,887	26,394,135	4.963	4.493
Crystal River 1 & 2													
TOTAL UNIT 1	332	99,401.00	6			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	423,696.57	19			12,828	Coal No 2	240,277 13,729	22.291 5.751	5,356,127 78,956	23,509,956 1,626,323	5.549 0.000	97.845 118.459
Crystal River 4 & 5													
TOTAL UNIT 4	721	2,009,547.00	55			10,050	Coal No 2	868,516 13,425	23.163 5.764	20,117,571 77,387	61,508,563 1,691,137	3.061 0.000	70.820 125.969
TOTAL UNIT 5	721	2,107,262.00	57			10,092	Coal No 2	922,314 13,195	22.976 5.771	21,191,304 76,144	64,625,683 1,586,565	3.067 0.000	70.069 120.240
TOTAL Steam	2,915	6,148,309.00				10,514				64,645,262	233,126,300	4.000	

A-4 System Net Generation and Fuel Cost Report

Duke Energy Florida, LLC

Report Period : 1/1/2018 to 7/1/2018
Run Date: 8/9/2018 11:29:54 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													
		13.03					No 2	41	5.816	238	4,232	32.483	103.224
		521.37					Gas	9,346	1.021	9,543	38,943	7.469	4.167
TOTAL APP	50	534.00	0			18,303				9,781	43,175	8.079	
Bartow Combined Cycle													
		3,988,383.00					Gas	30,480,044	1.020	31,074,792	138,714,500	3.478	4.551
TOTAL BCC	1,197	3,988,383.00	65			7,791				31,074,792	138,714,500	3.478	
Bartow Peaker													
		1,111.56					No 2	3,036	5.712	17,342	315,887	28.418	104.047
		14,761.34					Gas	225,496	1.021	230,294	963,195	6.525	4.271
TOTAL BAP	223	15,873.00	1			15,601				247,635	1,279,082	8.058	
Bayboro Peaker													
		7,411.20					No 2	17,305	5.712	98,846	2,479,646	33.458	143.291
TOTAL BYP	238	7,411.00	1			13,337				98,846	2,479,646	33.458	
Debarry Peaker													
		19,069.61					No 2	44,820	5.765	260,861	5,243,564	27.497	115.875
		8,127.39					Gas	108,573	1.024	111,178	434,533	5.347	4.002
TOTAL DEP	617	27,197.00	1			13,679				372,039	5,678,098	20.878	
Higgins Peaker													
		13,991.50					Gas	239,819	1.022	245,208	1,048,548	7.494	4.372
TOTAL HGP	116	13,992.00	2			17,525				245,208	1,048,548	7.494	
Hines Energy													
		8,293,934.00					Gas	58,367,745	1.021	59,576,058	256,194,735	3.089	4.389
TOTAL HEP	2,199	8,293,934.00	74			7,183				59,576,058	256,194,735	3.089	
Intercession City Peaker													
		19,992.07					No 2	45,315	5.801	262,879	4,401,516	22.016	97.132
		279,547.51					Gas	3,594,016	1.023	3,675,818	16,728,349	5.984	4.655
TOTAL ICP	1,202	299,540.00	5			13,149				3,938,697	21,129,865	7.054	
Osprey													
		1,156,844.00					Gas	8,310,197	1.022	8,489,857	38,421,779	3.321	4.623
TOTAL OSP	600	1,156,844.00	38			7,339				8,489,857	38,421,779	3.321	
Suwannee Peaker													
		1,354.11					No 2	3,433	5.817	19,970	315,725	23.316	91.968
		22,036.29					Gas	317,542	1.023	324,980	1,407,558	6.387	4.433
TOTAL SRP	203	23,390.00	2			14,747				344,950	1,723,283	7.367	
Tiger Bay Cogen													
		719,564.00					Gas	5,282,246	1.020	5,386,829	23,838,772	3.313	4.513
TOTAL TBP	231	719,564.00	61			7,486				5,386,829	23,838,772	3.313	
Univ of Florida Cogen													
		0.00					No 2	0	0.000	0	0	0.000	0.000
		206,729.30					Gas	2,060,717	1.024	2,109,664	8,624,365	4.172	4.185
TOTAL UFP	47	206,729.00	86			10,205				2,109,664	8,624,365	4.172	
TOTAL Gas Turbine	6,923	14,753,391.00				7,584				111,894,357	499,175,532	3.383	
SYSTEM TOTAL	9,856	20,919,404.85				8,439				176,539,619	732,302,147	3.501	

A-5 System Generation Fuel Cost Report

Duke Energy Florida, LLC

Final
 Report Period : 7/1/2018 to 7/1/2018
 Run Date: 8/9/2018 11:28:49 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	0.0%
11 - AMOUNT (\$)	0	0	0	0.0%
12 - ENDING INVENTORY				
13 - UNITS (BBL)	0	0	0	0.0%
14 - UNIT COST (\$/BBL)	0.00	0.00	0.00	0.0%
15 - AMOUNT (\$)	0	0	0	0.0%
16 -				
17 - DAYS SUPPLY	0	0	0	0.0%
LIGHT OIL				
18 - PURCHASES				
19 - UNITS (BBL)	7,778	1,228	6,550	533.4%
20 - UNIT COST (\$/BBL)	124.54	156.40	(31.87)	(20.4%)
21 - AMOUNT (\$)	968,641	192,064	776,577	404.3%
22 - BURNED				
23 - UNITS (BBL)	26,596	1,228	25,368	2065.8%
24 - UNIT COST (\$/BBL)	109.89	156.40	(46.52)	(29.7%)
25 - AMOUNT (\$)	2,922,552	192,064	2,730,488	1421.7%
26 - ADJUSTMENTS				
27 - UNITS (BBL)	0	0	0	0.0%
28 - AMOUNT (\$)	0	0	0	0.0%
29 - ENDING INVENTORY				
30 - UNITS (BBL)	695,440	714,259	(18,819)	(2.6%)
31 - UNIT COST (\$/BBL)	109.01	108.87	0.14	0.1%
32 - AMOUNT (\$)	75,806,872	77,760,783	(1,953,911)	(2.5%)
33 -				
34 - DAYS SUPPLY	811	17,449	(16,639)	(95.4%)

A-5 System Generation Fuel Cost Report

Duke Energy Florida, LLC

Final
 Report Period : 7/1/2018 to 7/1/2018
 Run Date: 8/9/2018 11:28:49 AM

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	256,002	463,264	(207,262)	(44.7%)
37 - UNIT COST (\$/TON)	78.58	77.77	0.81	1.0%
38 - AMOUNT (\$)	20,115,522	36,026,902	(15,911,380)	(44.2%)
39 - BURNED				
40 - UNITS (TON)	274,305	463,264	(188,959)	(40.8%)
41 - UNIT COST (\$/TON)	78.47	77.77	0.70	0.9%
42 - AMOUNT (\$)	21,523,679	36,026,902	(14,503,223)	(40.3%)
43 - ADJUSTMENTS				
44 - UNITS (TON)	(27,970)			
45 - AMOUNT (\$)	(1,695,365)			
46 - ENDING INVENTORY				
47 - UNITS (TON)	867,877	914,150	(46,273)	(5.1%)
48 - UNIT COST (\$/TON)	81.08	77.77	3.31	4.3%
49 - AMOUNT (\$)	70,366,872	71,091,160	(724,288)	(1.0%)
50 -				
51 - DAYS SUPPLY	98	59	39	65.7%
GAS				
52 - BURNED				
53 - UNITS (MCF)	23,242,647	21,725,689	1,516,958	7.0%
54 - UNIT COST (\$/MCF)	4.33	4.51	(0.18)	(3.9%)
55 - AMOUNT (\$)	100,683,417	97,927,418	2,755,999	2.8%
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%

A-5 System Generation Fuel Cost Report

Duke Energy Florida, LLC

Report Period : 1/1/2018 to 7/1/2018

Run Date: 8/20/2018 5:26:31 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)	93,560	53,044	40,516	76.4%
20 - UNIT COST (\$/BBL)	118.21	108.47	9.73	9.0%
21 - AMOUNT (\$)	11,059,291	5,753,869	5,305,422	92.2%
22 - BURNED				
23 - UNITS (BBL)	155,748	130,380	25,368	19.5%
24 - UNIT COST (\$/BBL)	114.63	115.99	(1.36)	(1.2%)
25 - AMOUNT (\$)	17,852,950	15,122,463	2,730,487	18.1%
26 - ADJUSTMENTS				
27 - UNITS (BBL)	(760)			
28 - AMOUNT (\$)	(99,086)			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	695,440	714,259	(18,819)	(2.6%)
31 - UNIT COST (\$/BBL)	109.01	108.87	0.14	0.1%
32 - AMOUNT (\$)	75,806,872	77,760,783	(1,953,911)	(2.5%)
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 7/1/2018

Run Date: 8/20/2018 5:26:31 PM

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	2,059,805	2,267,067	(207,262)	(9.1%)
37 - UNIT COST (\$/TON)	76.53	76.55	(0.02)	(0.0%)
38 - AMOUNT (\$)	157,627,006	173,538,386	(15,911,380)	(9.2%)
39 - BURNED				
40 - UNITS (TON)	2,081,379	2,270,338	(188,959)	(8.3%)
41 - UNIT COST (\$/TON)	74.25	74.46	(0.21)	(0.3%)
42 - AMOUNT (\$)	154,543,919	169,047,143	(14,503,224)	(8.6%)
43 - ADJUSTMENTS				
44 - UNITS (TON)	(27,970)			
45 - AMOUNT (\$)	(1,695,365)			
46 - ENDING INVENTORY				
47 - UNITS (TON)	867,877	914,150	(46,273)	(5.1%)
48 - UNIT COST (\$/TON)	81.08	77.77	3.31	4.3%
49 - AMOUNT (\$)	70,366,872	71,091,160	(724,288)	(1.0%)
50 -				
51 - DAYS SUPPLY	0	0	0	0.0%
GAS				
52 - BURNED				
53 - UNITS (MCF)	125,213,304	123,696,346	1,516,958	1.2%
54 - UNIT COST (\$/MCF)	4.47	4.50	(0.03)	(0.7%)
55 - AMOUNT (\$)	559,905,275	557,149,276	2,755,999	0.5%
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%

**ATTACHMENT #1
SCHEDULE A-5
July 2018**

HEAVY OIL		
UNITS	AMOUNT	
0	0	TOTAL

LIGHT OIL		
UNITS	AMOUNT	
-	-	TOTAL

COAL		
UNITS	AMOUNT	
(27,970)	\$ (1,695,365.07)	Aerial Survey
(27,970)	\$ (1,695,365.07)	TOTAL

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

(1)	(2)	(3)	(4)	(5)	(6a)	(6b)	(7)	(8)	(9)
Sold To	Type & Schedule	Total KWH Sold (000)	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		3,496		3,496	3.638	4.651	127,214	162,601	35,387
ACTUAL									
Florida Municipal Power Agency	CR-1	100		100	4.907	5.034	4,907.00	5,034.00	127.00
Tallahassee (City of)	Schedule A	19		19	2.685	43.147	510.09	819.79	309.70
ADJUSTMENTS									
PJM Settlements								(133.98)	(133.98)
The Energy Authority								51.00	51.00
Subtotal - Gain on Other Power Sales		119		119	4.552	4.849	5,417.09	5,770.81	353.72
CURRENT MONTH TOTAL		119		119	4.552	4.849	5,417.09	5,770.81	353.72
DIFFERENCE		(3,377)		(3,377)	0.914	0.198	(121,796.91)	(156,830.19)	(35,033.28)
DIFFERENCE %		(97)		(97)	25.13	4.27	(95.74)	(96.45)	(99.00)
CUMULATIVE ACTUAL		33,907		33,907	4.666	9.892	1,582,201.38	3,353,980.13	1,771,778.75
CUMULATIVE ESTIMATED		37,284		37,284	4.57	9.416	1,703,998.00	3,510,810.00	1,806,813.00
DIFFERENCE		(3,377)		(3,377)	0.096	0.475	(121,796.62)	(156,829.87)	(35,034.25)
DIFFERENCE %		(9)		(9)	2.1	5.05	(7.15)	(4.47)	(1.94)

DUKE ENERGY FLORIDA, LLC.
SCHEDULE A7

PURCHASED POWER
EXCLUSIVE OF ECONOMY PURCHASES
FOR THE MONTH OF:
JULY, 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		284,901			284,901	4.020	4.020	11454032	11454032
ACTUAL									
Shady Hills Power Company, L.L.C.	TOLL	148,541			148,541	4.683	4.680	6,955,878.51	6,955,878.51
Southern Power Company	Franklin	198,644			198,644	2.822	2.820	5,605,806.99	5,605,806.99
Vandolah Power Company L.L.C.	TOLL	154,995			154,995	5.095	5.090	7,896,448.95	7,896,448.95
ADJUSTMENTS									
Vandolah Power Company L.L.C.	TOLL	(422)			(422)	(58.290)	(58.290)	246,001.97	246,001.97
Shady Hills Power Company, L.L.C.	TOLL	274			274	13.520	13.520	37,043.46	37,043.46
Southern Power Company	Franklin							(1,735.44)	(1,735.44)
CURRENT MONTH TOTAL		502,032			502,032	4.131	4.131	20,739,444.44	20,739,444.44
DIFFERENCE		217,131			217,131	0.111	0.111	9,285,412.44	9,285,412.44
DIFFERENCE %		76			76	2.764	2.764	81.07	81.07
CUMULATIVE ACTUAL		2,012,925			2,012,925	4.470	4.470	89,977,438.93	89,977,438.93
CUMULATIVE ESTIMATED		1,795,794			1,795,794	4.490	4.490	80,692,027.00	80,692,027.00
DIFFERENCE		217,131			217,131	(0.020)	(0.020)	9,285,411.93	9,285,411.93
DIFFERENCE %		12			12	(0.521)	(0.521)	11.51	11.51

DUKE ENERGY FLORIDA, LLC
SCHEDULE A8

ENERGY PAYMENT TO QUALIFYING FACILITIES
FOR THE MONTH OF:
JULY, 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		301,215			301,215	4.694	13.0702397	14,137,764.27
ACTUAL								
Citrus World (CITRUS) ADJ	CO-GEN	11 7			11 7	2.762	2.762	293.33 198.03
Florida Power Development (FLACRUSH) ADJ	CO-GEN							(0.01)
Lake County (LAKCOUNT) ADJ	CO-GEN	225			225	2.686	2.686	6,043.27 (178.13)
Lee County (LEECOGAS) ADJ	CO-GEN	16,296			16,296	2.637	2.637	429,781.02 18,244.91
Metro-Dade County (METRDDAS) ADJ	CO-GEN	15,445			15,445	2.699	2.699	416,924.79 6,823.50
Orange Cogen (ORANGEAS) ADJ	CO-GEN	636			636	2.567	2.567	16,326.61 364.58
Orange Cogen (ORANGECO) ADJ	CO-GEN	34,677			34,677	4.292	4.292	1,488,418.43 (24,474.05)
Orlando Cogen Limited (ORLACOGL) ADJ	CO-GEN	77,438			77,438	5.511	5.511	4,267,822.26 18,192.22
Pasco County Resource Recovery (PASCOUNT) ADJ	CO-GEN	16,693			16,693	2.663	2.663	444,536.06 5,883.95
PCS Phosphate (OCSWFCRK) ADJ	CO-GEN	63 (31)			63 (31)	3.306	3.306	2,074.63 (510.20)
Pinellas County Resource Recovery (PINCOUNT) ADJ	CO-GEN	39,584			39,584	2.681	2.681	1,061,078.97 24,021.57
Polk Power Partners, L.P. (MULBERRY) ADJ	CO-GEN	38,310			38,310	3.132	3.132	1,199,869.20 7,840.89
Wheelabrator Ridge Energy, Inc. (RIDGEGEN) ADJ	CO-GEN	21,175			21,175	5.709	5.709	1,208,880.75 75,825.71
CURRENT MONTH TOTAL		260,528			260,528	4.097	4.097	10,674,282.30
DIFFERENCE		(40,687)			(40,687)	(0.596)	(8.973)	(3,463,481.97)
DIFFERENCE %		(14)			(14)	(12.707)	(219.007)	(24.50)
CUMULATIVE ACTUAL		1,913,630			1,913,630	4.474	4.474	85,622,350.83
CUMULATIVE ESTIMATED		1,954,317			1,954,317	4.558	4.558	89,085,832.80
CUMULATIVE DIFFERENCE		(40,687)			(40,687)	(0.084)	(0.084)	(3,463,481.97)
CUMULATIVE DIFFERENCE %		(2)			(2)	(1.844)	(1.844)	(3.89)

DUKE ENERGY FLORIDA, LLC.
SCHEDULE A9

ECONOMY ENERGY PURCHASES
INCLUDING LONG TERM PURCHASES
FOR THE MONTH OF:
JULY, 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		6,294	5.003	314846	5.612	353175	38329
ACTUAL							
SubTotal - Energy Purchases (Broker)							
SEPA	Hydro	1,415	0.000	55,102.42	0.000	55,102.42	0.000
Duke Electric Transmission	Transmission Purchase			(446.92)			446.92
EDF Trading North America, LLC		55	2.800	1,540.00	3.133	\$1,723.15	183.15
Exelon Generation Company, LLC	InternationalSwapsDe	5,667	4.708	266,798.00	12.181	\$690,320.44	423,522.44
Florida Power & Light Company	Transmission Purchase			141,156.28			(141,156.28)
Florida Power & Light Company		1,690	3.966	67,025.00	12.138	\$205,127.50	138,102.50
Jacksonville Electric Authority	Transmission Purchase			15,874.56			(15,874.56)
Macquarie Energy LLC		11,692	4.735	553,616.00	11.764	\$1,375,493.98	821,877.98
Orlando Utilities Commission	Schedule OS	7,150	6.602	472,050.00	6.542	\$467,773.50	(4,276.50)
PJM Inter.-Transmission	Transmission Purchase			77.19			(77.19)
Rainbow Energy Marketing Corporation		345	3.600	12,420.00	3.412	\$11,771.40	(648.60)
Seminole Electric Cooperative, Inc.	Transmission Purchase			6,168.45			(6,168.45)
Southern Company Services, Inc.	EEI	6,425	5.045	324,166.00	8.422	\$541,122.76	216,956.76
Tallahassee (City of)	Schedule OS	30	1.000	300.00	1.942	\$582.60	282.60
Tampa Electric Company	EEI2	8,195	3.708	303,860.00	8.696	\$712,597.30	408,737.30
The Energy Authority	EEI	30	3.300	990.00	3.107	\$932.10	(57.90)
ADJUSTMENTS							
PJM Settlements, Inc.	MR1			0.47			(0.47)
Tampa Electric				(30,929.78)			30,929.78
Florida Power & Light				216.17			(216.17)
Southern Company Services	Transmission			(5.73)			5.73
SubTotal - Energy Purchases (Non-Broker)		42,694	5.129	2,189,978.11	9.515	4,062,547.15	1872569.04
CURRENT MONTH TOTAL		42,694	5.129	2,189,978.11	9.515	4,062,547.15	1,872,569.04
DIFFERENCE		36,400	0.126	1,875,132.11	3.903	3,709,372.15	1,834,240.04
DIFFERENCE %		578	2.527	595.57	69.555	1,050.29	4,785.51
CUMULATIVE ACTUAL		191,576	4.618	8,846,055.43	6.883	13,185,660.02	4,339,604.59
CUMULATIVE ESTIMATED		155,176	4.492	6,970,924.00	6.107	9,476,287.00	2,505,364.00
DIFFERENCE		36,400	0.125	1,875,131.40	0.8	3,709,373.00	1,834,240.60
DIFFERENCE %		23	2.788	26.90	12.706	39.14	73.21

DUKE ENERGY FLORIDA LLC
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	0	0	0	0	0	37,318,929
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	0	0	0	0	0	37,343,717
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	0	0	0	0	0	13,287,330
4 Pinellas County Resource Recovery (PINCOUNT)	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	0	0	0	0	0	31,629,623
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	0	0	0	0	0	51,247,465
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	0	0	0	0	0	5,559,342
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	0	0	0	0	0	28,456,397
8 Retail Wheeling				(82,003)	(2,819)	(5,894)	(4,260)	(35,146)	0	0	0	0	0	0	0	(130,122)
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	0	0	0	0	0	29,436,462
10 ISFSI Return				677,047	628,287	579,175	555,717	573,770	573,765	573,771	0	0	0	0	0	4,161,533
SUBTOTAL				33,357,487	35,727,762	32,662,867	32,651,659	32,881,667	34,765,268	36,263,965	0	0	0	0	0	238,310,675
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	0	0	0	0	0	51,520,722
TOTAL				39,597,912	42,102,733	37,964,306	37,493,405	39,095,001	45,912,595	47,665,445	0	0	0	0	0	289,831,397