



Matthew R. Bernier
ASSOCIATE GENERAL COUNSEL

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

/s/ Matthew R. Bernier
Attorney

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DUKE ENERGY FLORIDA
FUEL AND PURCHASED POWER

MAY 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)	111,294,344	115,966,728	(4,672,384)	(4.0)	3,069,484	3,378,822	(309,338)	(9.2)	3.6258	3.4322	0.1936	5.6
2 COAL CAR SALE	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
3 ADJUSTMENTS TO FUEL COST - MISCELLANEOUS	(98,376)	0	(98,376)	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	111,195,968	115,966,728	(4,770,760)	(4.1)	3,069,484	3,378,822	(309,338)	(9.2)	3.6226	3.4322	0.1904	5.6
5 ENERGY COST OF PURCHASED POWER - FIRM (SCH A7)	12,024,468	7,196,141	4,828,327	67.1	260,266	170,619	89,647	52.5	4.6201	4.2177	0.4024	9.5
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)	1,331,976	101,006	1,230,970	1,218.7	38,217	1,948	36,269	1,861.8	3.4853	5.1848	(1.6995)	(32.8)
8 PAYMENTS TO QUALIFY NG FAC LITIES (SCH A8)	13,617,807	13,834,004	(216,197)	(1.6)	280,802	312,603	(31,802)	(10.2)	4.8496	4.4254	0.4242	9.6
9 TOTAL COST OF PURCHASED POWER	26,974,250	21,131,151	5,843,099	27.7	579,285	485,170	94,114	19.4	4.6565	4.3554	0.3011	6.9
10 TOTAL AVAILABLE MWH					3,648,769	3,863,992	(215,223)	(5.6)				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(63,832)	(308,745)	244,913	(79.3)	(3,029)	(7,911)	4,882	(61.7)	2.1074	3.9026	(1.7952)	(46.0)
11a GA N ON OTHER POWER SALES - 100% (SCH A6)	(30,328)	(74,337)	44,009	(59.2)	(3,029)	(7,911)	4,882	(61.7)	1.0012	0.9396	0.0616	6.6
11b GA N 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	(2,816,382)	(2,166,954)	(649,428)	30.0	(171,942)	(133,365)	(38,577)	28.9	1.6380	1.6248	0.0132	0.8
13 TOTAL FUEL COST AND GA NS ON POWER SALES	(2,910,542)	(2,550,036)	(360,506)	14.1	(174,971)	(141,276)	(33,695)	23.9	1.6634	1.8050	(0.1416)	(7.8)
14 NET INADVERTENT AND WHEELED INTERCHANGE					14,728	0	14,728					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	135,259,676	134,547,843	711,833	0.5	3,488,526	3,722,716	(234,190)	(6.3)	3.8773	3.6142	0.2631	7.3
16 NET UNBILLED	13,804,354	17,875,248	(4,070,894)	(22.8)	(356,033)	(494,578)	138,546	(28.0)	0.4750	0.5961	(0.1211)	(20.3)
17 COMPANY USE	768,241	458,532	309,709	67.5	(19,814)	(12,687)	(7,127)	56.2	0.0264	0.0153	0.0111	72.6
18 T & D LOSSES	7,997,204	7,827,321	169,883	2.2	(206,258)	(216,569)	10,311	(4.8)	0.2752	0.2610	0.0142	5.4
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	135,259,676	134,547,843	711,833	0.5	2,906,421	2,998,881	(92,461)	(3.1)	4.6538	4.4866	0.1672	3.7
20 WHOLESALE KWH SALES (EXCLUDING STRATIFIED SALES)	(960,344)	(793,832)	(166,511)	21.0	(20,520)	(17,818)	(2,702)	15.2	4.6799	4.4552	0.2247	5.0
21 JURISDICTIONAL KWH SALES	134,299,332	133,754,010	545,322	0.4	2,885,901	2,981,063	(95,163)	(3.2)	4.6536	4.4868	0.1668	3.7
22 JURISDICTIONAL KWH SALES ADJUSTED FOR LINE LOSS - 1.00031	134,340,965	133,903,815	437,150	0.3	2,885,901	2,981,063	(95,163)	(3.2)	4.6551	4.4918	0.1633	3.6
23 PRIOR PERIOD TRUE-UP	8,145,991	8,145,991	(0)	0.0	2,885,901	2,981,063	(95,163)	(3.2)	0.2823	0.2733	0.0090	3.3
24 TOTAL JURISDICTIONAL FUEL COST	142,486,955	142,049,806	437,150	0.3	2,885,901	2,981,063	(95,163)	(3.2)	4.9374	4.7651	0.1723	3.6
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									4.9410	4.7685	0.1725	3.6
27 GPIF	232,768	232,768			2,885,901	2,981,063			0.0081	0.0078	0.0003	3.9
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									4.949	4.776	0.173	3.6

*Line 15a. MWH Data for Infomational Purposes Only

DUKE ENERGY FLORIDA
FUEL AND PURCHASED POWER
COST RECOVERY CLAUSE CALCULATION
YEAR TO DATE - MAY 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)	481,642,907	518,016,484	(36,373,577)	(7.0)	13,804,082	14,181,728	(377,646)	(2.7)	3.4891	3.6527	(0.1636)	(4.5)
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	7,640	0	7,640	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	481,650,547	518,016,484	(36,365,937)	(7.0)	13,804,082	14,181,728	(377,646)	(2.7)	3.4892	3.6527	(0.1635)	(4.5)
5 ENERGY COST OF PURCHASED POWER - FIRM (SCH A7)	52,050,313	25,283,440	26,766,873	105.9	1,100,799	609,257	491,542	80.7	4.7284	4.1499	0.5785	13.9
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)	6,067,957	672,934	5,395,023	801.7	136,907	14,806	122,101	824.7	4.4322	4.5451	(0.1129)	(2.5)
8 PAYMENTS TO QUALIFY NG FAC LITIES (SCH A8)	62,757,089	64,464,745	(1,707,656)	(2.7)	1,379,104	1,442,965	(63,861)	(4.4)	4.5506	4.4675	0.0831	1.9
9 TOTAL COST OF PURCHASED POWER	120,875,360	90,421,119	30,454,241	33.7	2,616,810	2,067,028	549,782	26.6	4.6192	4.3745	0.2447	5.6
10 TOTAL AVAILABLE MWH					16,420,892	16,248,755	172,137	1.1				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(1,575,204)	(1,513,213)	(61,991)	4.1	(33,738)	(39,206)	5,468	(14.0)	4.6689	3.8596	0.8093	21.0
11a GA N ON OTHER POWER SALES - 100% (SCH A6)	(1,769,760)	(364,341)	(1,405,419)	385.7	(33,738)	(39,206)	5,468	(14.0)	5.2456	0.9293	4.3163	464.5
11b GA N 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	(17,307,601)	(8,330,178)	(8,977,423)	107.8	(791,846)	(525,947)	(265,899)	50.6	2.1857	1.5838	0.6019	38.0
13 TOTAL FUEL COST AND GA NS ON POWER SALES	(20,652,566)	(10,207,732)	(10,444,833)	102.3	(825,584)	(565,153)	(260,431)	46.1	2.5016	1.8062	0.6954	38.5
14 NET INADVERTENT AND WHEELED INTERCHANGE					80,329	0	80,329					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	581,873,341	598,229,871	(16,356,529)	(2.7)	15,675,637	15,683,602	(7,965)	(0.1)	3.7120	3.8144	(0.1024)	(2.7)
16 NET UNBILLED	4,392,718	19,023,285	(14,630,567)	(76.9)	(118,340)	(522,619)	404,279	(77.4)	0.0303	0.1341	(0.1038)	(77.4)
17 COMPANY USE	3,253,682	2,561,086	692,596	27.0	(87,654)	(66,855)	(20,799)	31.1	0.0225	0.0181	0.0044	24.3
18 T & D LOSSES	36,486,131	34,795,313	1,690,818	4.9	(982,934)	(912,212)	(70,722)	7.8	0.2519	0.2453	0.0066	2.7
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	581,873,341	598,229,871	(16,356,529)	(2.7)	14,486,709	14,181,916	304,792	2.2	4.0166	4.2183	(0.2017)	(4.8)
20 WHOLESALE KWH SALES (EXCLUDING STRATIFIED SALES)	(3,311,609)	(3,142,544)	(169,065)	5.4	(80,321)	(74,452)	(5,869)	7.9	4.1230	4.2209	(0.0979)	(2.3)
21 JURISDICTIONAL KWH SALES	578,561,732	595,087,326	(16,525,594)	(2.8)	14,406,388	14,107,464	298,924	2.1	4.0160	4.2182	(0.2022)	(4.8)
22 JURISDICTIONAL KWH SALES ADJUSTED FOR LINE LOSS - 1.00031	578,842,501	595,753,824	(16,911,323)	(2.8)	14,406,388	14,107,464	298,924	2.1	4.0180	4.2230	(0.2050)	(4.9)
23 PRIOR PERIOD TRUE-UP	40,729,953	40,729,955	(2)	0.0	14,406,388	14,107,464	298,924	2.1	0.2827	0.2887	(0.0060)	(2.1)
24 TOTAL JURISDICTIONAL FUEL COST	619,572,454	636,483,779	(16,911,325)	(2.7)	14,406,388	14,107,464	298,924	2.1	4.3007	4.5117	(0.2110)	(4.7)
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									4.3038	4.5149	(0.2112)	(4.7)
27 GPIF	1,163,840	1,163,840			14,406,388	14,107,464			0.0081	0.0082	(0.0001)	101.2
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									4.312	4.523	(0.211)	(4.7)

*Line 15a. MWH Data for Informational Purposes Only

DUKE ENERGY FLORIDA
CALCULATION OF TRUE-UP AND INTEREST PROVISION
MAY 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	\$111,294,344	115,966,728	(\$4,672,384)	(4.0)	\$481,642,907	\$518,016,484	(\$36,373,577)	(7.0)
1a. COAL CAR SALE	-	0	0	0.0	0	0	0	0.0
2. FUEL COST OF POWER SOLD	(63,832)	(308,745)	244,913	(79.3)	(1,575,204)	(1,513,213)	(61,991)	4.1
2a. GAIN ON POWER SALES	(30,328)	(74,337)	44,009	(59.2)	(1,769,760)	(364,341)	(1,405,419)	385.7
3. FUEL COST OF PURCHASED POWER	12,024,468	7,196,141	4,828,327	67.1	52,050,313	25,283,440	26,766,873	105.9
3a. ENERGY PAYMENTS TO QUALIFYING FACILITIES	13,617,807	13,834,004	(216,197)	(1.6)	62,757,089	64,464,745	(1,707,656)	(2.7)
4. ENERGY COST OF ECONOMY PURCHASES	1,331,976	101,006	1,230,970	1,218.7	6,067,957	672,934	5,395,023	801.7
5. TOTAL FUEL & NET POWER TRANSACTIONS	138,174,434	136,714,797	1,459,638	1.1	599,173,302	606,560,049	(7,386,747)	(1.2)
6. ADJUSTMENTS TO FUEL COST:								
6a. FUEL COST OF STRATIFIED SALES	(2,816,382)	(2,166,954)	(649,428)	30.0	(17,307,601)	(8,330,178)	(8,977,423)	107.8
6b. OTHER- JURISDICTIONAL ADJUSTMENTS (see detail below)	(98,376)	0	(98,376)	0.0	7,640	0	7,640	0.0
6c. OTHER - PRIOR PERIOD ADJUSTMENT	0	0	0	0.0	0	0	0	0.0
7. ADJUSTED TOTAL FUEL & NET PWR TRNS	\$135,259,676	\$134,547,843	\$711,833	0.5	\$581,873,341	\$598,229,871	(\$16,356,529)	(2.7)

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)	710	0	710	2,780	0	2,780	
N/A - Not used	0	0	0	0	0	0	0
TANK BOTTOM ADJUSTMENT	(99,086)	0	(99,086)	(99,086)	0	(99,086)	
AERIAL SURVEY ADJUSTMENT (Coal Pile)	0	0	0	0	0	0	0
N/A - Not used	0	0	0	0	0	0	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
N/A - Not used	0	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	0
Derivative Collateral Interest	0	0	0	0	0	0	0
SUBTOTAL LINE 6b SHOWN ABOVE	(\$98,376)	\$0	(\$98,376)	\$7,640	\$0	\$7,640	

B. KWH SALES								
1. JURISDICTIONAL SALES	2,885,900,123	2,981,063,490	(95,163,367)	(3.2)	14,406,387,639	14,107,464,408	298,923,231	2.1
2. NON JURISDICTIONAL (WHOLESALE) SALES	20,520,417	17,818,000	2,702,417	15.2	80,320,741	74,452,000	5,868,741	7.9
3. TOTAL SALES	2,906,420,540	2,998,881,490	(92,460,950)	(3.1)	14,486,708,380	14,181,916,408	304,791,972	2.2
4. JURISDICTIONAL SALES % OF TOTAL SALES	99.29	99.41	(0.12)	(0.1)	99.45	99.48	(0.03)	(0.0)

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

	CURRENT MONTH				YEAR TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT
C. TRUE UP CALCULATION								
1. JURISDICTIONAL FUEL REVENUE	\$117,461,745	\$122,941,102	(\$5,479,357)	(4.5)	\$584,205,241	\$581,801,506	\$2,403,735	0.4
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	(40,729,953)	(40,729,955)	2	0.0
2b. INCENTIVE PROVISION	(232,768)	(232,768)	0	0.0	(1,163,840)	(1,163,840)	0	0.0
3. TOTAL JURISDICTIONAL FUEL REVENUE	109,082,987	114,562,343	(5,479,357)	(4.8)	542,311,448	539,907,711	2,403,737	0.5
4. ADJ TOTAL FUEL & NET PWR TRNS (LINE A7)	135,259,676	134,547,843	711,833	0.5	581,873,341	598,229,871	(16,356,529)	(2.7)
5. JURISDICTIONAL SALES % OF TOT SALES (LINE B4)	99.29	99.41	(0.12)	(0.1)	0.00	99.48	(99.48)	(100.0)
6. JURISDICTIONAL FUEL & NET POWER TRANSACTIONS (L NE C4 * LINE C5 * 1.00031 LOSS MULTIPLIER)	134,340,965	133,903,815	437,150	0.3	578,842,501	595,753,824	(16,911,323)	(2.8)
7. TRUE UP PROVISION FOR THE MONTH OVER/(UNDER) COLLECTION (LINE C3 - C6)	(25,257,978)	(19,341,471)	(5,916,507)	30.6	(36,531,053)	(55,846,113)	19,315,060	(34.6)
8. INTEREST PROVISION FOR THE MONTH (LINE D10)	(309,957)	(174,790)	(135,166)	77.3	(1,436,890)	(832,615)	(604,275)	72.6
9. TRUE UP & INTEREST PROVISION BEG OF MONTH/PERIOD	(191,416,025)	(200,082,276)	8,666,252	(4.3)	(211,599,978)	(195,503,774)	(16,096,204)	8.2
10. TRUE UP COLLECTED (REFUNDED)	8,145,991	8,145,991	(0)	0.0	40,729,953	40,729,955	(2)	0.0
11. END OF PERIOD TOTAL NET TRUE UP (L NES C7 + C8 + C9 + C10)	(208,837,969)	(211,452,547)	2,614,579	(1.2)	(208,837,969)	(211,452,547)	2,614,579	(1.2)
12. OTHER:	0				0		0	
13. END OF PERIOD TOTAL NET TRUE UP (L NES C11 + C12)	(\$208,837,969)	(211,452,547)	2,614,579	(1.2)	(\$208,837,969)	(211,452,547)	2,614,579	(1.2)
D. INTEREST PROVISION								
1. BEGINNING TRUE UP (LINE C9)	(\$191,416,025)	N/A	--	--				
2. ENDING TRUE UP (LINES C7 + C9 + C10 + C12)	(208,528,012)	N/A	--	--				
3. TOTAL OF BEGINNING & ENDING TRUE UP	(399,944,036)	N/A	--	--				
4. AVERAGE TRUE UP (50% OF LINE D3)	(199,972,018)	N/A	--	--				
5. INTEREST RATE - FIRST DAY OF REPORTING MONTH	1.850	N/A	--	--				
6. INTEREST RATE - FIRST DAY OF SUBSEQUENT MONTH	1.860	N/A	--	--				
7. TOTAL (LINE D5 + LINE D6)	3.710	N/A						
8. AVERAGE INTEREST RATE (50% OF LINE D7)	1.855	N/A	--	--				
9. MONTHLY AVERAGE INTEREST RATE (LINE D8/12)	0.155	N/A	--	--				
10. INTEREST PROVISION (LINE D4 * LINE D9)	(\$309,957)	N/A	--	--				

NOT

A-3 Generating System Comparative Data Report

Final

Report Period : 5/1/2018 to 5/1/2018

Duke Energy Florida, LLC

Run Date: 6/8/2018 11:12:09 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	1,964,956	256,492	1,708,464	666.1 %
3 - COAL	20,985,520	27,754,301	(6,768,781)	(24.4 %)
4 - GAS	88,343,868	87,955,935	387,933	0.4 %
5 - NUCLEAR	0	0	0	0.0 %
6	0	0	0	0.0 %
7	0	0	0	0.0 %
8 - TOTAL (\$)	111,294,344	115,966,728	(4,672,384)	(4.0 %)
SYSTEM NET GENERATION (MWH)				
9 - HEAVY OIL	0	0	0	0.0 %
10 - LIGHT OIL	7,605	4	7,601	190029.0 %
11 - COAL	611,468	855,338	(243,870)	(28.5 %)
12 - GAS	2,447,472	2,520,279	(72,807)	(2.9 %)
13 - NUCLEAR	0	0	0	0.0 %
14 - SOLAR	2,939	3,202	(263)	(8.2 %)
15	0	0	0	0.0 %
16 - TOTAL (MWH)	3,069,484	3,378,823	(309,339)	(9.2 %)
UNITS OF FUEL BURNED				
17 - HEAVY OIL (BBL)	0	0	0	0.0 %
18 - LIGHT OIL (BBL)	16,348	2,762	13,586	491.9 %
19 - COAL (TON)	277,337	398,208	(120,871)	(30.4 %)
20 - GAS (MCF)	18,727,933	19,265,554	(537,621)	(2.8 %)
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 OIL	94,238	16,093	78,145	485.6 %
26 - COAL	6,431,508	9,216,292	(2,784,784)	(30.2 %)
27 - GAS	19,101,784	19,265,554	(163,770)	(0.9 %)
28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (MILLION BTU)	25,627,531	28,497,939	(2,870,408)	(10.1 %)

A-3 Generating System Comparative Data Report

Final

Duke Energy Florida, LLC

Report Period : 5/1/2018 to 5/1/2018

Run Date: 6/8/2018 11:12:09 AM

GENERATION MIX (% MWH)

32 - HEAVY OIL	0.0	0.00	0.0	0.0 %
33 - LIGHT OIL	0.2	0.00	0.2	201990.0 %
34 - COAL	19.9	25.31	(5.4)	(21.3 %)
35 - GAS	79.7	74.59	5.1	6.9 %
36 - NUCLEAR	0.0	0.00	0	0.0 %
37 - SOLAR	0.10	0.09	0	1.0 %
38	0	0	0	0
39 - TOTAL (% MWH)	100	100	(0.0)	(0.0 %)

FUEL COST PER UNIT (\$)

40 - HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.0 %
41 - LIGHT OIL (\$/BBL)	120.20	92.86	27.33	29.4 %
42 - COAL (\$/TON)	75.67	69.70	5.97	8.6 %
43 - GAS (\$/MCF)	4.72	4.57	0.15	3.3 %
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	20.85	15.94	4.91	30.8 %
49 - COAL	3.26	3.01	0.25	8.4 %
50 - GAS	4.62	4.57	0.06	1.3 %
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)	4.34	4.07	0.27	6.7 %

BTU BURNED PER KWH (BTU/KWH)

55 - HEAVY OIL	0	0	0	0.0 %
56 - LIGHT OIL	12,391	4,023,250	(4,010,859)	(99.7 %)
57 - COAL	10,518	10,775	(257)	(2.4 %)
58 - GAS	7,805	7,644	160	2.1 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %
62 - SYSTEM (BTU/KWH)	8,349	8,434	(85)	(1.0 %)

A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Final

Report Period : 5/1/2018 to 5/1/2018

Run Date: 6/8/2018 11:12:09 AM

GENERATED FUEL COST PER KWH (CENTS/KWH)

63 - HEAVY OIL	0.00	0.00	0.00	0.0 %
64 - LIGHT OIL	25.84	6,412.30	(6,386.46)	(99.6 %)
65 - COAL	3.43	3.24	0.19	5.8 %
66 - GAS	3.61	3.49	0.12	3.4 %
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)	3.63	3.43	0.19	5.6 %

A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Report Period : 1/1/2018 to 5/1/2018

Run Date: 6/8/2018 11:14:06 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	10,699,492	1,318,121	9,381,371	711.7 %
3 - COAL	104,980,773	127,203,302	(22,222,529)	(17.5 %)
4 - GAS	365,962,642	389,495,061	(23,532,419)	(6.0 %)
5 - NUCLEAR	0	0	0	0.0 %
6	0	0	0	0.0 %
7	0	0	0	0.0 %
8 - TOTAL (\$)	481,642,907	518,016,484	(36,373,577)	(7.0 %)
SYSTEM NET GENERATION (MWH)				
9 - HEAVY OIL	0	0	0	0.0 %
10 - LIGHT OIL	43,676	190	43,486	22887.4 %
11 - COAL	3,186,385	4,003,083	(816,698)	(20.4 %)
12 - GAS	10,560,299	10,163,915	396,384	3.9 %
13 - NUCLEAR	0	0	0	0.0 %
14 - SOLAR	13,721	14,540	(819)	(5.6 %)
15	0	0	0	0.0 %
16 - TOTAL (MWH)	13,804,081	14,181,728	(377,647)	(2.7 %)
UNITS OF FUEL BURNED				
17 - HEAVY OIL (BBL)	0	0	0	0.0 %
18 - LIGHT OIL (BBL)	92,325	14,460	77,865	538.5 %
19 - COAL (TON)	1,443,829	1,829,111	(385,282)	(21.1 %)
20 - GAS (MCF)	80,970,865	77,084,422	3,886,443	5.0 %
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	535,360	84,239	451,121	535.5 %
26 - COAL	32,986,308	42,328,129	(9,341,821)	(22.1 %)
27 - GAS	82,653,592	77,084,422	5,569,170	7.2 %
28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (MILLION BTU)	116,175,260	119,496,790	(3,321,530)	(2.8 %)

A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Report Period : 1/1/2018 to 5/1/2018

Run Date: 6/8/2018 11:14:06 AM

GENERATION MIX (% MWH)

32 - HEAVY OIL	0.0	0.00	0.0	0.0 %
33 - LIGHT OIL	0.3	0.00	0.3	23654.0 %
34 - COAL	23.1	28.23	(5.1)	(18.2 %)
35 - GAS	76.5	71.67	4.8	6.7 %
36 - NUCLEAR	0.0	0.00	0.0	0.0 %
37 - SOLAR	0.10	0.10	(0.00)	(3.1 %)
38	0	0	0	0
39 - TOTAL (% MWH)	100	100	0.0	0.0 %

FUEL COST PER UNIT (\$)

40 - HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.0 %
41 - LIGHT OIL (\$/BBL)	115.89	91.16	24.73	27.1 %
42 - COAL (\$/TON)	72.71	69.54	3.17	4.6 %
43 - GAS (\$/MCF)	4.52	5.05	(0.53)	(10.6 %)
44 - NUCLEAR (\$/MBTU)	0.00	0.00	0.00	0.0 %
45	0.00	0.00	0.00	0.0 %
46	0.00	0.00	0.00	0.0 %

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

47 - HEAVY OIL	0.00	0.00	0.00	0.0 %
48 - LIGHT OIL	19.99	15.65	4.34	27.7 %
49 - COAL	3.18	3.01	0.18	5.9 %
50 - GAS	4.43	5.05	(0.63)	(12.4 %)
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)	4.15	4.33	(0.19)	(4.4 %)

BTU BURNED PER KWH (BTU/KWH)

55 - HEAVY OIL	0	0	0	0.0 %
56 - LIGHT OIL	12,257	443,363	(431,106)	(97.2 %)
57 - COAL	10,352	10,574	(222)	(2.1 %)
58 - GAS	7,827	7,584	243	3.2 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %
62 - SYSTEM (BTU/KWH)	8,416	8,426	(10)	(0.1 %)

A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Report Period : 1/1/2018 to 5/1/2018

Run Date: 6/8/2018 11:14:06 AM

GENERATED FUEL COST PER KWH (CENTS/KWH)

63 - HEAVY OIL	0.00	0.00	0.00	0.0 %
64 - LIGHT OIL	24.50	693.75	(669.25)	(96.5 %)
65 - COAL	3.29	3.18	0.12	3.7 %
66 - GAS	3.47	3.83	(0.37)	(9.6 %)
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)	3.49	3.65	(0.16)	(4.5 %)

A-4 System Net Generation and Fuel Cost Report

Report Period : 5/1/2018 to 5/1/2018

Duke Energy Florida, LLC

(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 (\$)
Solar													
Osceola Solar Facility 1													
TOTAL UNIT 1	4	540.00	18			0				0	0	0.000	
Perry Solar Facility 1													
TOTAL UNIT 1	5	715.00	19			0				0	0	0.000	
Suwanee Solar Facility													
TOTAL UNIT 1	9	1,684.00	25			0				0	0	0.000	
TOTAL Solar	18	2,939.00				0				0	0	0.000	
Steam													
Anclote													
TOTAL UNIT 1	511	148,094.00	39			10,921	Gas	1,581,017	1.023	1,617,380	7,082,628	4.783	4.480
TOTAL UNIT 2		0.00				0				0	0	0.000	
Crvstal River 1 & 2													
TOTAL UNIT 1		0.00				0				0	0	0.000	
TOTAL UNIT 2		53,146.44					Coal	27,467	22.228	610,536	2,675,287	5.034	97.400
		0.00					No 2	1,468	5.757	8,451	197,015	0.000	134.207
TOTAL UNIT 2	448	53,146.44	16			11,647				618,988	2,872,302	5.405	
Crvstal River 4 & 5													
TOTAL UNIT 4	721	299,484.00	56			10,198	Coal	130,362	23.296	3,036,913	9,552,802	3.190	73.279
		0.00					No 2	3,003	5.754	17,281	403,180	0.000	134.259
TOTAL UNIT 4	721	299,484.00	56			10,198				3,054,194	9,955,982	3.324	
TOTAL UNIT 5		262,152.00					Coal	119,508	23.296	2,784,058	8,757,431	3.341	73.279
		0.00					No 2	1,656	5.754	9,529	222,333	0.000	134.259
TOTAL UNIT 5	721	262,152.00	49			10,656				2,793,588	8,979,764	3.425	
TOTAL Steam	2,401	762,876.00				10,597				8,084,149	28,890,676	4.000	

A-4 System Net Generation and Fuel Cost Report

Report Period : 5/1/2018 to 5/1/2018

Duke Energy Florida, LLC

Run Date: 6/8/2018 11:12:50 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													
		5.60					No 2	23	5.816	134	2,356	42.053	102.428
		5.40					Gas	126	1.023	129	563	10.434	4.470
TOTAL APP	50	11.00	0			23,879				263	2,919	26.537	
Bartow Combined Cycle													
		575,313.00					Gas	4,497,437	1.018	4,578,391	22,428,052	3.898	4.987
TOTAL BCC	1,197	575,313.00	65			7,958				4,578,391	22,428,052	3.898	
Bartow Peaker													
		245.75					No 2	629	5.712	3,593	65,446	26.631	104.047
		4,433.25					Gas	63,418	1.022	64,813	283,519	6.395	4.471
TOTAL BAP	171	4,679.00	4			14,620				68,406	348,965	7.458	
Bayboro Peaker													
		404.40					No 2	1,179	5.712	6,734	170,140	42.072	144.309
TOTAL BYP	238	404.00	0			16,653				6,734	170,140	42.072	
Debary Peaker													
		1,866.73					No 2	4,661	5.766	26,874	540,092	28.933	115.875
		4.27					Gas	60	1.025	62	272	6.364	4.531
TOTAL DEP	617	1,871.00	0			14,396				26,935	540,364	28.881	
Higgins Peaker													
		2,752.40					Gas	47,721	1.023	48,819	213,604	7.761	4.476
TOTAL HGP	116	2,752.00	3			17,737				48,819	213,604	7.761	
Hines Enerav													
		1,302,201.00					Gas	9,214,269	1.020	9,398,554	42,028,080	3.227	4.561
TOTAL HEP	2,199	1,302,201.00	80			7,217				9,398,554	42,028,080	3.227	
Intercession City Peaker													
		1,389.77					No 2	3,168	5.802	18,380	312,799	22.507	98.737
		35,098.43					Gas	454,181	1.022	464,173	2,273,773	6.478	5.006
TOTAL ICP	1,139	36,488.00	4			13,225				482,553	2,586,573	7.089	
Osprey													
		206,270.00					Gas	1,502,786	1.022	1,535,847	7,513,073	3.642	4.999
TOTAL OSP	600	206,270.00	46			7,446				1,535,847	7,513,073	3.642	
Suwannee Peaker													
		214.73					No 2	561	5.817	3,263	51,594	24.028	91.968
		3,021.87					Gas	44,849	1.024	45,925	201,683	6.674	4.497
TOTAL SRP	203	3,237.00	2			15,198				49,189	253,277	7.825	
Tiger Bay Cogen													
		137,495.00					Gas	1,011,178	1.018	1,029,379	5,028,311	3.657	4.973
TOTAL TBP	231	137,495.00	80			7,487				1,029,379	5,028,311	3.657	
Univ of Florida Cogen													
		0.00					No 2	0	0.000	0	0	0.000	0.000
		32,947.30					Gas	310,891	1.024	318,311	1,290,310	3.916	4.150
TOTAL UFP	47	32,947.00	94			9,661				318,311	1,290,310	3.916	
TOTAL Gas Turbine	6,808	2,303,669.00				7,615				17,543,381	82,403,668	3.577	
SYSTEM TOTAL	9,227	3,069,484.34				8,349				25,627,531	111,294,344	3.626	

A-4 System Net Generation and Fuel Cost Report

Report Period : 1/1/2018 to 5/1/2018

Duke Energy Florida, LLC

Run Date: 6/8/2018 11:14:42 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
Solar													
Osceola Solar Facility 1													
TOTAL UNIT 1	4	2,971.00	20			0				0	0	0.000	
Perry Solar Facility 1													
TOTAL UNIT 1	5	3,028.00	17			0				0	0	0.000	
Suwanee Solar Facility													
TOTAL UNIT 1	9	7,722.00	24			0				0	0	0.000	
TOTAL Solar	18	13,721.00				0				0	0	0.000	
Steam													
Anclote													
TOTAL UNIT 1	511	609,152.00	33			10,919	Gas	6,497,732	1.024	6,651,047	31,471,381	5.166	4 843
TOTAL UNIT 2	514	239,938.00	13			11,158	Gas	2,614,396	1.024	2,677,315	13,165,599	5.487	5.036
Crvstal River 1 & 2													
TOTAL UNIT 1	332	99,401.00	8			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	259,490.55	16			12,949	Coal No 2	148,745 6,716	22.331 5.748	3,321,553 38,601	14,555,897 884,309	5.609 0.000	97 858 131.672
Crvstal River 4 & 5													
TOTAL UNIT 4	721	1,275,214.00	49			10,080	Coal No 2	556,358 10,492	22.995 5.759	12,793,719 60,420	38,261,751 1,380,657	3.000 0.000	68.772 131 591
TOTAL UNIT 5	721	1,566,002.00	60			10,068	Coal No 2	688,454 7,559	22.838 5.758	15,722,824 43,528	47,263,407 994,802	3.018 0.000	68.652 131.605
TOTAL Steam	2,401	4,049,198.00				10,487				42,465,545	153,065,876	4.000	

A-4 System Net Generation and Fuel Cost Report

Duke Energy Florida, LLC

Report Period : 1/1/2018 to 5/1/2018

Run Date: 6/8/2018 11:14:42 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
Gas Turbine													
Avon Park Peaker													
		9.02					No 2	41	5.816	238	4,232	46.923	103.224
		8.98					Gas	232	1.023	237	1,150	12.800	4.955
TOTAL APP	50	18.00	0			26,440				476	5,382	29.899	
Bartow Combined Cycle													
TOTAL BCC	1,197	2,907,855.00	67			7,852	Gas	22,398,060	1.019	22,831,169	101,112,375	3.477	4 514
Bartow Peaker													
		435.62					No 2	1,152	5.712	6,580	119,862	27.515	104.047
		7,143.28					Gas	105,564	1.022	107,902	474,913	6.648	4.499
TOTAL BAP	223	7,579.00	1			15,105				114,482	594,775	7.848	
Bayboro Peaker													
TOTAL BYP	238	4,752.70	1			13,569	No 2	11,290	5.712	64,488	1,629,157	34.279	144.301
Debary Peaker													
		6,206.58					No 2	14,828	5.769	85,538	1,718,191	27.683	115.875
		23.42					Gas	315	1.025	323	1,306	5.575	4.145
TOTAL DEP	617	6,230.00	0			13,782				85,861	1,719,496	27.600	
Higgins Peaker													
TOTAL HGP	116	6,064.70	1			18,311	Gas	108,551	1.023	111,052	513,681	8.470	4.732
Hines Energy													
TOTAL HEP	2,199	5,540,151.00	70			7,165	Gas	38,889,148	1.021	39,697,911	172,906,441	3.121	4.446
Intercession City Peaker													
		16,107.60					No 2	35,729	5.801	209,787	3,497,678	21.714	96.725
		129,644.95					Gas	1,651,106	1.023	1,688,507	7,522,784	5.803	4 556
TOTAL ICP	1,139	145,753.00	4			13,024				1,898,294	11,020,462	7.561	
Osprey													
TOTAL OSP	600	536,272.00	25			7,441	Gas	3,909,605	1.021	3,990,186	17,660,152	3.293	4 517
Suwannee Peaker													
		1,214.88					No 2	3,069	5.817	17,852	282,249	23.233	91.968
		13,281.62					Gas	190,650	1.024	195,170	894,297	6.733	4.691
TOTAL SRP	203	14,496.00	2			14,695				213,022	1,176,546	8.116	
Tiger Bay Cogen													
TOTAL TBP	231	428,491.00	51			7,492	Gas	3,148,557	1.020	3,210,466	13,880,743	3.239	4.409
Univ of Florida Cogen													
		0.00					No 2	0	0.000	0	0	0.000	0.000
		143,501.50					Gas	1,456,949	1.024	1,492,308	6,357,824	4.430	4.364
TOTAL UFP	47	143,502.00	84			10,399				1,492,308	6,357,824	4.430	
TOTAL Gas Turbine	6,860	9,741,164.00				7,567				73,709,715	328,577,034	3.373	
SYSTEM TOTAL	9,279	13,804,082.40				8,416				116,175,260	481,642,910	3.489	

A-5 System Generation Fuel Cost Report

Final

Report Period : 5/1/2018 to 5/1/2018

Duke Energy Florida, LLC

Run Date: 6/8/2018 11:13:15 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)	3,071	2,762	309	11.2%
20 - UNIT COST (\$/BBL)	108.76	92.86	15.90	17.1%
21 - AMOUNT (\$)	334,010	256,492	77,518	30.2%
22 - BURNED				
23 - UNITS (BBL)	16,348	2,762	13,586	491.9%
24 - UNIT COST (\$/BBL)	120.20	92.86	27.33	29.4%
25 - AMOUNT (\$)	1,865,870	256,492	1,708,464	666.1%
26 - ADJUSTMENTS				
27 - UNITS (BBL)	760			
28 - AMOUNT (\$)	99,086			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	730,307	907,649	(177,342)	(19.5%)
31 - UNIT COST (\$/BBL)	109.39	111.22	(1.83)	(1.6%)
32 - AMOUNT (\$)	79,887,719	100,950,380	(21,062,661)	(20.9%)
33 -				
34 - DAYS SUPPLY	1,385	9,859	(8,474)	(86.0%)

A-5 System Generation Fuel Cost Report

Final

Report Period : 5/1/2018 to 5/1/2018

Duke Energy Florida, LLC

Run Date: 6/8/2018 11:13:15 AM

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	298,310	398,208	(99,898)	(25.1%)
37 - UNIT COST (\$/TON)	88.01	69.70	18.32	26.3%
38 - AMOUNT (\$)	26,255,218	27,754,301	(1,499,083)	(5.4%)
39 - BURNED				
40 - UNITS (TON)	277,337	398,208	(120,871)	(30.4%)
41 - UNIT COST (\$/TON)	75.67	69.70	5.97	8.6%
42 - AMOUNT (\$)	20,985,520	27,754,301	(6,768,781)	(24.4%)
43 - ADJUSTMENTS				
44 - UNITS (TON)	0			
45 - AMOUNT (\$)	0			
46 - ENDING INVENTORY				
47 - UNITS (TON)	930,535	826,945	103,590	12.5%
48 - UNIT COST (\$/TON)	80.79	69.70	11.09	15.9%
49 - AMOUNT (\$)	75,178,543	57,636,413	17,542,130	30.4%
50 -				
51 - DAYS SUPPLY	104	62	42	67.0%
GAS				
52 - BURNED				
53 - UNITS (MCF)	18,727,933	19,265,554	(537,621)	(2.8%)
54 - UNIT COST (\$/MCF)	4.72	4.57	0.15	3.3%
55 - AMOUNT (\$)	88,343,868	87,955,935	387,933	0.4%
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 5/1/2018

Duke Energy Florida, LLC

Run Date: 6/8/2018 11:15:02 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	0.0%
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)	65,004	14,460	50,544	349.5%
20 - UNIT COST (\$/BBL)	121.34	91.16	30.18	33.1%
21 - AMOUNT (\$)	7,887,593	1,318,121	6,569,472	498.4%
22 - BURNED				
23 - UNITS (BBL)	92,325	14,460	77,865	538.5%
24 - UNIT COST (\$/BBL)	115.89	91.16	24.73	27.1%
25 - AMOUNT (\$)	10,699,492	1,318,121	9,381,371	711.7%
26 - ADJUSTMENTS				
27 - UNITS (BBL)	760			
28 - AMOUNT (\$)	99,086			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	730,307	907,649	(177,342)	(19.5%)
31 - UNIT COST (\$/BBL)	109.39	111.22	(1.83)	(1.6%)
32 - AMOUNT (\$)	79,887,719	100,950,380	(21,062,661)	(20.9%)
33 -				
34 - DAYS SUPPLY	0	0	0	0.0%

A-5 System Generation Fuel Cost Report

Report Period : 1/1/2018 to 5/1/2018

Duke Energy Florida, LLC

Run Date: 6/8/2018 11:15:02 AM

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	1,456,944	1,829,111	(372,167)	(20.3%)
37 - UNIT COST (\$/TON)	76.31	69.54	6.77	9.7%
38 - AMOUNT (\$)	111,180,166	127,203,302	(16,023,136)	(12.6%)
39 - BURNED				
40 - UNITS (TON)	1,443,829	1,829,111	(385,282)	(21.1%)
41 - UNIT COST (\$/TON)	72.71	69.54	3.17	4.6%
42 - AMOUNT (\$)	104,980,773	127,203,302	(22,222,529)	(17.5%)
43 - ADJUSTMENTS				
44 - UNITS (TON)	0			
45 - AMOUNT (\$)	0			
46 - ENDING INVENTORY				
47 - UNITS (TON)	930,535	826,945	103,590	12.5%
48 - UNIT COST (\$/TON)	80.79	69.70	11.09	15.9%
49 - AMOUNT (\$)	75,178,543	57,636,413	17,542,130	30.4%
50 -				
51 - DAYS SUPPLY	0	0	0	0.0%
GAS				
52 - BURNED				
53 - UNITS (MCF)	80,970,865	77,084,422	3,886,443	5.0%
54 - UNIT COST (\$/MCF)	4.52	5.05	(0.53)	(10.6%)
55 - AMOUNT (\$)	365,962,642	389,495,061	(23,532,419)	(6.0%)
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
May 2018**

HEAVY OIL		
UNITS	AMOUNT	ADJUSTMENTS EXPLANATION
-	-	TOTAL

LIGHT OIL		
UNITS	AMOUNT	ADJUSTMENTS EXPLANATION
760	\$99,086.06	Tank Bottom Adjustment
760	\$99,086.06	TOTAL

COAL		
UNITS	AMOUNT	ADJUSTMENTS EXPLANATION
-	\$ -	TOTAL

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

(1)	(2)	(3)	(4)	(5)	(6a)	(6b)	(7)	(8)	(9)
Sold To	Type & Schedule	Total KWH Sold (000)	KWH Wheeled from Other Systems (000)	KWH from Own Generation (000)	Fuel Cost C/KWH	Total Cost C/KWH	Fuel Adj Total \$	Total Cost \$	Gain on Sales \$
ESTIMATED		7,911		7,911	3.903	4.842	308,745.00	383,082.00	74,337.00
ACTUAL									
EDF Trading North America, LLC		25		25	2.095	3.320	523.75	830.00	306.25
Exelon Generation Company, LLC	InternationalSwapsDe	567		567	2.075	2.975	11,765.76	16,869.93	5,104.17
PJM Settlements, Inc	MR1	2412		2412	2.110	3.177	50,891.49	76,635.63	25,744.14
Tallahassee (City of)	Schedule A	25		25	2.605	4.235	651.25	1,058.75	407.50
ADJUSTMENT									
PJM Settlements Inc								(1,234.33)	(1,234.33)
Subtotal - Gain on Other Power Sales		3,029		3,029	2.107	3.109	63,832.25	94,159.98	30,327.73
CURRENT MONTH TOTAL		3,029		3,029	2.107	3.109	63,832.25	94,159.98	30,327.73
DIFFERENCE		(4,882)		(4,882)	(1.796)	(1.733)	(244,912.75)	(288,922.02)	(44,009.27)
DIFFERENCE %		(62)		(62)	(46.010)	(35.800)	(79.33)	(75.42)	(59.20)
CUMULATIVE ACTUAL		33,738		33,738	4.669	9.915	1,575,203.79	3,344,964.19	1,769,760.40
CUMULATIVE EST MATED		39,207		27,633	3.860	4.789	1,513,213.00	1,877,554.00	364,341.00
DIFFERENCE		(5,469)		6,105	0.809	5.126	61,990.790	146,7410.190	1,405,419.40
DIFFERENCE %		(14)		22.09	20.97	107.03	4.10	78.16	385.74

DUKE ENERGY FLORIDA, LLC
SCHEDULE A7

PURCHASED POWER
EXCLUSIVE OF ECONOMY PURCHASES
FOR THE MONTH OF:
MAY, 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		170,619			170,619	4.218	4.218	7,196,141.00	7,196,141.00
ACTUAL									
Shady Hills Power Company, L.L.C.	TOLL	64,106			64,106	5.790	5.790	3,712,929.45	3,712,929.45
Southern Power Company	Franklin	127,385			127,385	3.380	3.380	4,307,511.77	4,307,511.77
Vandolah Power Company L.L.C.	TOLL	63,803			63,803	5.940	5.940	3,789,803.50	3,789,803.50
ADJUSTMENTS									
Vandolah Power Company L.L.C.	TOLL	2,820			2,820	6.250	6.250	176,161.04	176,161.04
Shady Hills Power Company, L.L.C.	TOLL	2,152			2,152	2.560	2.560	55,002.85	55,002.85
Southern Power Company	Franklin							(16,941.05)	(16,941.05)
CURRENT MONTH TOTAL		260,266			260,266	4.620	4.620	12,024,467.56	12,024,467.56
DIFFERENCE		89,647			89,647	0.402	0.402	4,828,326.56	4,828,326.56
DIFFERENCE %		53			53	9.530	9.530	67.10	67.10
CUMULATIVE ACTUAL		1,100,799			1,100,799	4.728	4.728	52,050,313	52,050,313
CUMULATIVE EST MATED		609,257			609,257	4.150	4.150	25,283,440.00	25,283,440.00
DIFFERENCE		491,542			491,542	0.579	0.579	26,766,873.28	26,766,873.28
DIFFERENCE %		81			81	13.941	13.941	105.87	105.87

DUKE ENERGY FLORIDA, LLC
SCHEDULE A8

ENERGY PAYMENT TO QUALIFYING FACILITIES
FOR THE MONTH OF:
May, 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		312,603			312,603	4.425	12.497	13,834,003.54
ACTUAL								
Citrus World (CITRUS) ADJ	CO-GEN	4 (86)			4 (86)	2.923	2.923	115.16 (2,024.20)
Florida Power Development (FLACRUSH) ADJ	CO-GEN	31,036 -			31,036 -	7.753	7.753	2,406,229.28 0.00
Lake County (LAKCOUNT) ADJ	CO-GEN	665 -			665 -	3.029	3.029	20,145.50 4,862.93
Lee County (LEECOGAS) ADJ	CO-GEN	8,635 377			8,635 377	2.941	2.941	253,957.28 80,123.51
Metro-Dade County (METRDDAS) ADJ	CO-GEN	6,938 -			6,938 -	2.927	2.927	203,049.70 39,709.28
Orange Cogen (ORANGEAS) ADJ	CO-GEN	745 -			745 -	2.915	2.915	21,719.43 2,676.13
Orange Cogen (ORANGECO) ADJ	CO-GEN	37,138 -			37,138 -	4.300	4.300	1,596,934.00 34,112.24
Orlando Cogen Limited (ORLACOGL) ADJ	CO-GEN	89,472 -			89,472 -	5.422	5.422	4,851,171.84 13,947.22
Pasco County Resource Recovery (PASCOUNT) ADJ	CO-GEN	17,810 -			17,810 -	2.843	2.843	506,418.59 46,565.91
PCS Phosphate (OCSWFCRK) ADJ	CO-GEN	31 26			31 26	2.913	2.913	906.65 778.45
Pinellas County Resource Recovery (PINCOUNT) ADJ	CO-GEN	40,617 -			40,617 -	2.822	2.822	1,146,159.58 84,636.68
Polk Power Partners, L.P. (MULBERRY) ADJ	CO-GEN	24,478 -			24,478 -	3.447	3.447	843,756.66 133,989.52
Wheelabrator Ridge Energy, Inc. (RIDGEGEN) ADJ	CO-GEN	22,915 -			22,915 -	5.591	5.591	1,281,177.65 46,687.74
CURRENT MONTH TOTAL		280,802			280,802	4.850	4.850	13,617,806.75
DIFFERENCE		(31,802)			(31,802)	0.424	(7.647)	(216,196.79)
DIFFERENCE %		(10)			(10)	9.585	(157.689)	(1.56)
CUMULATIVE ACTUAL		1,379,105			1,379,105	4.551	4.551	62,757,089.18
CUMULATIVE ESTIMATED		1,442,966			1,442,966	4.468	4.468	64,464,744.88
CUMULATIVE DIFFERENCE		(63,862)			(63,862)	0.083	0.083	(1,707,655.70)
CUMULATIVE DIFFERENCE %		(4)			(4)	1.859	1.859	(2.65)

DUKE ENERGY FLORIDA, LLC
SCHEDULE A9

ECONOMY ENERGY PURCHASES
INCLUDING LONG TERM PURCHASES
FOR THE MONTH OF:
MAY, 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		1,948	5.185	101,006.00	6.623	129,024.00	28,018.00
ACTUAL							
SEPA	Hydro	2,687	3.780	101,445.05	3.780	101,445.05	-
Duke Electric Transmission	Transmission Purchase			\$10,886.69			(10,886.69)
EDF Trading North America, LLC		3,300	4.087	\$134,870.00	6.187	\$204,163.80	69,293.80
Exelon Generation Company, LLC	InternationalSwapsDe	4,148	4.603	\$190,950.00	6.485	\$268,985.32	78,035.32
Florida Power & Light Company	Transmission Purchase			\$6,507.20			(6,507.20)
Florida Power & Light Company		14,663	3.844	\$563,697.00	6.936	\$1,016,963.10	453,266.10
Morgan Stanley Capital Group Inc.	EEl	2,569	3.825	\$98,277.00	11.780	\$302,615.84	204,338.84
Orlando Utilities Commission	Schedule OS	100	2.600	\$2,600.00	2.025	\$2,025.00	(575.00)
Southern Company Services, Inc.	EEl	1,550	4.779	\$74,075.00	10.778	\$167,056.62	92,981.62
Southern Company Services, Inc. Transmission	Transmission Purchase			\$22,325.89			(22,325.89)
Tampa Electric Company	EEl2	9,200	3.530	\$324,800.00	4.266	\$392,436.50	67,636.50
Tennessee Valley Authority Transmission	Transmission Purchase			\$332.20			(332.20)
ADJUSTMENTS							
MISO T				(12.47)			12.47
Southern Company Services	Transmission			(5.73)			5.73
PJM Settlements				2,907.27			(2,907.27)
Florida Power & Light				(0.85)			0.85
Tampa Electric Company				(201,678.58)			201,678.58
SubTotal - Energy Purchases (Non-Broker)		38,217	3.485	1,331,975.67	6.426	2,455,691.23	1,123,715.56
CURRENT MONTH TOTAL		38,217	3.485	1,331,975.67	6.426	2,455,691.23	1,123,715.56
DIFFERENCE		36,269	(1.700)	1,230,969.67	(0.197)	2,326,667.23	1,095,697.56
DIFFERENCE %		1,862	(32.781)	1,218.71	(2.980)	1,803.28	3,910.69
CUMULATIVE ACTUAL		136,907	4.432	6,067,957.35	6.326	8,660,903.57	2,592,946.22
CUMULATIVE ESTIMATED		14,806	4.545	672,934.00	5.806	859,604.00	186,670.00
DIFFERENCE		122,101	(0.113)	5,395,023.35	0.520	7,801,299.57	2,406,276.22
DIFFERENCE %		825	(2.48)	801.72	9.0	907.55	1,289.05

DUKE ENERGY FLORIDA
 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	7/1/95 - 12/31/24	5,071,564	5,590,987	5,331,276	5,331,276	5,331,276	0	0	0	0	0	0	0	26,656,377.86
2 Orlando Cogen Limited (ORLACOGL)	QF	79.2	9/1/93 - 12/31/23	5,025,789	5,514,457	5,302,972	5,361,969	5,361,790	0	0	0	0	0	0	0	26,566,977.03
3 Pasco County Resource Recovery (PASCOUNT)	QF	23	1/1/95 - 12/31/24	1,784,800	2,011,580	1,898,190	1,898,190	1,898,190	0	0	0	0	0	0	0	9,490,950.00
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	0	0	0	0	0	0	0	22,592,587.50
5 Polk Power Partners, L.P. (MULBERRY)	QF	115	8/1/94 - 8/8/24	6,965,675	7,676,459	7,321,066	7,321,066	7,321,066	0	0	0	0	0	0	0	36,605,332.05
6 Wheelabrator Ridge Energy, Inc. (RIDGEGEN)	QF	39.6	8/1/94 - 12/31/23	765,872	790,760	798,927	800,946	800,946	0	0	0	0	0	0	0	3,957,450.48
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	0	0	0	0	0	0	0	17,360,218.52
8 Retail Wheeling				(82,003)	(2,819)	(5,894)	(4,260)	(35,146)	0	0	0	0	0	0	0	(130,121.69)
9 CR-3 Projected Expense				4,290,186	4,261,861	4,233,534	4,205,208	4,176,884	0	0	0	0	0	0	0	21,167,673.00
10 ISFSI Return				677,047	628,287	579,175	573,843	573,770	0	0	0	0	0	0	0	3,032,122.48
SUBTOTAL				33,357,487	35,727,762	32,662,867	32,669,784	32,881,667	0	0	0	0	0	0	0	167,299,567

Confidential Capacity Contracts (Aggregated):

Purchases/Sales (Net)	Other	MW	Contracts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
SUBTOTAL		1176	4	6,240,425	6,374,971	5,301,439	4,841,747	6,213,334	0	0	0	0	0	0	0	28,971,916
TOTAL				39,597,912	42,102,733	37,964,306	37,511,531	39,095,001	0	0	0	0	0	0	0	196,271,483