



Matthew R. Bernier  
ASSOCIATE GENERAL COUNSEL

May 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 April 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 April 2018 have been furnished to the following individuals via e-mail on this 21<sup>st</sup> day of May, 2018.

/s/ Matthew R. Bernier  
Attorney

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DUKE ENERGY FLORIDA  
FUEL AND PURCHASED POWER

APRIL 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)	89,220,818	98,872,100	(9,651,282)	(9.8)	2,514,984	2,793,738	(278,754)	(10.0)	3.5476	3.5391	0.0085	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	560	0	560	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	89,221,378	98,872,100	(9,650,722)	(9.8)	2,514,984	2,793,738	(278,754)	(10.0)	3.5476	3.5391	0.0085	0.2
5 ENERGY COST OF PURCHASED POWER - FIRM (SCH A7)	14,994,550	5,203,120	9,791,430	188.2	332,963	124,639	208,324	167.1	4.5034	4.1746	0.3288	7.9
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)	1,336,389	101,474	1,234,915	1,217.0	36,954	2,050	34,904	1,702.9	3.6164	4.9507	(1.3343)	(27.0)
8 PAYMENTS TO QUALIFYING FACILITIES (SCH A8)	12,129,406	12,112,794	16,612	0.1	259,993	269,121	(9,128)	(3.4)	4.6653	4.5009	0.1644	3.7
9 TOTAL COST OF PURCHASED POWER	28,460,344	17,417,388	11,042,956	63.4	629,910	395,810	234,100	59.1	4.5182	4.4004	0.1178	2.7
10 TOTAL AVAILABLE MWH					3,144,894	3,189,548	(44,654)	(1.4)				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(25,451)	(366,759)	341,308	(93.1)	(780)	(9,700)	8,920	(92.0)	3.2629	3.7812	(0.5183)	(13.7)
11a GAIN ON OTHER POWER SALES - 100% (SCH A6)	(7,046)	(88,306)	81,260	(92.0)	(780)	(9,700)	8,920	(92.0)	0.9033	0.9104	(0.0071)	(0.8)
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	(2,022,621)	(1,859,815)	(162,805)	8.8	(122,025)	(117,871)	(4,154)	3.5	1.6575	1.5778	0.0797	5.1
13 TOTAL FUEL COST AND GAINS ON POWER SALES	(2,055,117)	(2,314,880)	259,763	(11.2)	(122,805)	(127,571)	4,766	(3.7)	1.6735	1.8146	(0.1411)	(7.8)
14 NET INADVERTENT AND WHEELED INTERCHANGE					14,379	0	14,379					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	115,626,605	113,974,608	1,651,997	1.5	3,036,468	3,061,977	(25,509)	(0.8)	3.8079	3.7223	0.0856	2.3
16 NET UNBILLED	3,060,753	5,539,543	(2,478,790)	(44.8)	(80,378)	(148,822)	68,444	(46.0)	0.1092	0.2035	(0.0943)	(46.3)
17 COMPANY USE	805,679	463,980	341,699	73.7	(21,158)	(12,465)	(8,693)	69.7	0.0287	0.0170	0.0117	68.8
18 T & D LOSSES	4,997,438	6,632,087	(1,634,649)	(24.7)	(131,238)	(178,174)	46,936	(26.3)	0.1782	0.2436	(0.0654)	(26.9)
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	115,626,605	113,974,608	1,651,997	1.5	2,803,694	2,722,516	81,178	3.0	4.1241	4.1864	(0.0623)	(1.5)
20 WHOLESALE KWH SALES (EXCLUDING STRATIFIED SALES)	(647,509)	(569,873)	(77,636)	13.6	(15,678)	(13,720)	(1,958)	14.3	4.1301	4.1536	(0.0235)	(0.6)
21 JURISDICTIONAL KWH SALES	114,979,096	113,404,735	1,574,361	1.4	2,788,016	2,708,796	79,220	2.9	4.1240	4.1865	(0.0625)	(1.5)
22 JURISDICTIONAL KWH SALES ADJUSTED FOR LINE LOSS - 1.00031	115,014,740	113,531,748	1,482,991	1.3	2,788,016	2,708,796	79,220	2.9	4.1253	4.1912	(0.0659)	(1.6)
23 PRIOR PERIOD TRUE-UP	8,145,991	8,145,991	(0)	0.0	2,788,016	2,708,796	79,220	2.9	0.2922	0.3007	(0.0085)	(2.8)
24 TOTAL JURISDICTIONAL FUEL COST	123,160,730	121,677,739	1,482,991	1.2	2,788,016	2,708,796	79,220	2.9	4.4175	4.4919	(0.0744)	(1.7)
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									4.4207	4.4951	(0.0744)	(1.7)
27 GPIF	232,768	232,768			2,788,016	2,708,796			0.0083	0.0086	(0.0003)	(3.5)
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									4.429	4.504	(0.075)	(1.7)

\*Line 15a. MWH Data for Infomational Purposes Only

DUKE ENERGY FLORIDA  
FUEL AND PURCHASED POWER  
COST RECOVERY CLAUSE CALCULATION  
YEAR TO DATE - APRIL 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)	370,348,562	402,049,756	(31,701,194)	(7.9)	10,734,598	10,802,906	(68,308)	(0.6)	3.4500	3.7217	(0.2717)	(7.3)
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	106,017	0	106,017	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	370,454,579	402,049,756	(31,595,177)	(7.9)	10,734,598	10,802,906	(68,308)	(0.6)	3.4510	3.7217	(0.2707)	(7.3)
5 ENERGY COST OF PURCHASED POWER - FIRM (SCH A7)	40,025,846	18,087,299	21,938,547	121.3	840,533	438,638	401,895	91.6	4.7620	4.1235	0.6385	15.5
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)	4,735,982	571,928	4,164,054	728.1	98,690	12,858	85,833	667.6	4.7988	4.4482	0.3506	7.9
8 PAYMENTS TO QUALIFYING FACILITIES (SCH A8)	49,139,282	50,630,741	(1,491,459)	(3.0)	1,098,302	1,130,362	(32,060)	(2.8)	4.4741	4.4792	(0.0051)	(0.1)
9 TOTAL COST OF PURCHASED POWER	93,901,110	69,289,968	24,611,141	35.5	2,037,525	1,581,858	455,668	28.8	4.6086	4.3803	0.2283	5.2
10 TOTAL AVAILABLE MWH					12,772,123	12,384,763	387,360	3.1				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(1,511,372)	(1,204,468)	(306,904)	25.5	(30,709)	(31,295)	586	(1.9)	4.9216	3.8488	1.0728	27.9
11a GAIN ON OTHER POWER SALES - 100% (SCH A6)	(1,739,433)	(290,004)	(1,449,429)	499.8	(30,709)	(31,295)	586	(1.9)	5.6642	0.9267	4.7375	511.2
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	(14,491,219)	(6,163,224)	(8,327,995)	135.1	(619,904)	(392,582)	(227,322)	57.9	2.3377	1.5699	0.7678	48.9
13 TOTAL FUEL COST AND GAINS ON POWER SALES	(17,742,023)	(7,657,696)	(10,084,327)	131.7	(650,613)	(423,877)	(226,736)	53.5	2.7270	1.8066	0.9204	51.0
14 NET INADVERTENT AND WHEELED INTERCHANGE					65,601	0	65,601					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	446,613,666	463,682,028	(17,068,362)	(3.7)	12,187,111	11,960,886	226,225	1.9	3.6646	3.8767	(0.2121)	(5.5)
16 NET UNBILLED	(8,710,590)	1,148,037	(9,858,627)	(858.7)	237,693	(28,040)	265,733	(947.7)	(0.0752)	0.0103	(0.0855)	(830.1)
17 COMPANY USE	2,486,094	2,102,554	383,540	18.2	(67,840)	(54,168)	(13,672)	25.2	0.0215	0.0188	0.0027	14.4
18 T & D LOSSES	28,462,373	26,967,992	1,494,381	5.5	(776,676)	(695,643)	(81,033)	11.7	0.2458	0.2412	0.0046	1.9
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	446,613,666	463,682,028	(17,068,362)	(3.7)	11,580,288	11,183,035	397,253	3.6	3.8567	4.1463	(0.2896)	(7.0)
20 WHOLESALE KWH SALES (EXCLUDING STRATIFIED SALES)	(2,351,265)	(2,348,712)	(2,553)	0.1	(59,800)	(56,634)	(3,166)	5.6	3.9319	4.1472	(0.2153)	(5.2)
21 JURISDICTIONAL KWH SALES	444,262,400	461,333,316	(17,070,916)	(3.7)	11,520,488	11,126,401	394,087	3.5	3.8563	4.1463	(0.2900)	(7.0)
22 JURISDICTIONAL KWH SALES ADJUSTED FOR LINE LOSS - 1.00031	444,501,536	461,850,009	(17,348,473)	(3.8)	11,520,488	11,126,401	394,087	3.5	3.8584	4.1509	(0.2925)	(7.1)
23 PRIOR PERIOD TRUE-UP	32,583,962	32,583,964	(2)	0.0	11,520,488	11,126,401	394,087	3.5	0.2828	0.2929	(0.0101)	(3.5)
24 TOTAL JURISDICTIONAL FUEL COST	477,085,499	494,433,973	(17,348,475)	(3.5)	11,520,488	11,126,401	394,087	3.5	4.1412	4.4438	(0.3026)	(6.8)
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									4.1442	4.4470	(0.3028)	(6.8)
27 GPIF	931,072	931,072			11,520,488	11,126,401			0.0081	0.0084	(0.0003)	103.7
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									4.152	4.455	(0.303)	(6.8)

\*Line 15a. MWH Data for Infomational Purposes Only

DUKE ENERGY FLORIDA  
CALCULATION OF TRUE-UP AND INTEREST PROVISION  
APRIL 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	\$89,220,818	98,872,100	(\$9,651,282)	(9.8)	\$370,348,562	\$402,049,756	(\$31,701,194)	(7.9)
1a. COAL CAR SALE	-	0	0	0.0	0	0	0	0.0
2 . FUEL COST OF POWER SOLD	(25,451)	(366,759)	341,308	(93.1)	(1,511,372)	(1,204,468)	(306,904)	25.5
2a. GAIN ON POWER SALES	(7,046)	(88,306)	81,260	(92.0)	(1,739,433)	(290,004)	(1,449,429)	499.8
3 . FUEL COST OF PURCHASED POWER	14,994,550	5,203,120	9,791,430	188.2	40,025,846	18,087,299	21,938,547	121.3
3a. ENERGY PAYMENTS TO QUALIFYING FACILITIES	12,129,406	12,112,794	16,612	0.1	49,139,282	50,630,741	(1,491,459)	(3.0)
4 . ENERGY COST OF ECONOMY PURCHASES	1,336,389	101,474	1,234,915	1,217.0	4,735,982	571,928	4,164,054	728.1
5 . TOTAL FUEL & NET POWER TRANSACTIONS	117,648,666	115,834,423	1,814,243	1.6	460,998,868	469,845,252	(8,846,384)	(1.9)
6 . ADJUSTMENTS TO FUEL COST:								
6a. FUEL COST OF STRATIFIED SALES	(2,022,621)	(1,859,815)	(162,805)	8.8	(14,491,219)	(6,163,224)	(8,327,995)	135.1
6b. OTHER- JURISDICTIONAL ADJUSTMENTS (see detail below)	560	0	560	0.0	106,017	0	106,017	0.0
6c. OTHER - PRIOR PERIOD ADJUSTMENT	0	0	0	0.0	0	0	0	0.0
7 . ADJUSTED TOTAL FUEL & NET PWR TRNS	\$115,626,605	\$113,974,608	\$1,651,997	1.5	\$446,613,666	\$463,682,028	(\$17,068,362)	(3.7)

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 Portic	560	0	560	2,070	0	2,070	
N/A - Not used	0	0	0	0	0	0	
TANK BOTTOM ADJUSTMENT	0	0	0	0	0	0	
AERIAL SURVEY ADJUSTMENT (Coal Pile)	0	0	0	0	0	0	
N/A - Not used	0	0	0	0	0	0	
N/A - Not used	0	0	0	0	0	0	
Gain/Loss on Disposition of Oil	0	0	0	0	0	0	
N/A - Not used	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	\$560	\$0	\$560	\$106,017	\$0	\$106,017	

B. KWH SALES								
1 . JURISDICTIONAL SALES	2,788,016,282	2,708,795,979	79,220,303	2.9	11,520,487,516	11,126,400,918	394,086,598	3.5
2 . NON JURISDICTIONAL (WHOLESALE) SALES	15,677,956	13,720,000	1,957,956	14.3	59,800,324	56,634,000	3,166,324	5.6
3 . TOTAL SALES	2,803,694,238	2,722,515,979	81,178,259	3.0	11,580,287,840	11,183,034,918	397,252,922	3.6
4 . JURISDICTIONAL SALES % OF TOTAL SALES	99.44	99.50	(0.06)	(0.1)	99.48	99.49	(0.01)	(0.0)

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

	CURRENT MONTH				YEAR TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT
<b>C. TRUE UP CALCULATION</b>								
1. JURISDICTIONAL FUEL REVENUE	\$112,665,165	\$111,712,604	\$952,561	0.9	\$466,743,495	\$458,860,403	\$7,883,092	1.7
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	(32,583,962)	(32,583,964)	2	0.0
2b. INCENTIVE PROVISION	(232,768)	(232,768)	0	0.0	(931,072)	(931,072)	0	0.0
3. TOTAL JURISDICTIONAL FUEL REVENUE	104,286,406	103,333,845	952,562	0.9	433,228,461	425,345,367	7,883,094	1.9
4. ADJ TOTAL FUEL & NET PWR TRNS (LINE A7)	115,626,605	113,974,608	1,651,997	1.5	446,613,666	463,682,028	(17,068,362)	(3.7)
5. JURISDICTIONAL SALES % OF TOT SALES (LINE B4)	99.44	99.50	(0.06)	(0.1)	0.00	99.49	(99.49)	(100.0)
6. JURISDICTIONAL FUEL & NET POWER TRANSACTIONS (LINE C4 * LINE C5 * 1.00031 LOSS MULTIPLIER)	115,014,740	113,531,748	1,482,991	1.3	444,501,536	461,850,009	(17,348,473)	(3.8)
7. TRUE UP PROVISION FOR THE MONTH OVER/(UNDER) COLLECTION (LINE C3 - C6)	(10,728,334)	(10,197,904)	(530,430)	5.2	(11,273,075)	(36,504,642)	25,231,567	(69.1)
8. INTEREST PROVISION FOR THE MONTH (LINE D10)	(294,237)	(169,020)	(125,217)	74.1	(1,126,933)	(657,824)	(469,109)	71.3
9. TRUE UP & INTEREST PROVISION BEG OF MONTH/PERIOD	(188,539,444)	(197,861,343)	9,321,899	(4.7)	(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	32,583,962	32,583,964	(2)	0.0
11. END OF PERIOD TOTAL NET TRUE UP (LINES C7 + C8 + C9 + C10)	(191,416,025)	(200,082,276)	8,666,252	(4.3)	(191,416,025)	(200,082,276)	8,666,252	(4.3)
12. OTHER:	0				0		0	
13. END OF PERIOD TOTAL NET TRUE UP (LINES C11 + C12)	(\$191,416,025)	(200,082,276)	8,666,252	(4.3)	(\$191,416,025)	(200,082,276)	8,666,252	(4.3)
<b>D. INTEREST PROVISION</b>								
1. BEGINNING TRUE UP (LINE C9)	(\$188,539,444)	N/A	--	--				
2. ENDING TRUE UP (LINES C7 + C9 + C10 + C12)	(191,121,787)	N/A	--	--				
3. TOTAL OF BEGINNING & ENDING TRUE UP	(379,661,231)	N/A	--	--			<b>NOT</b>	
4. AVERAGE TRUE UP (50% OF LINE D3)	(189,830,616)	N/A	--	--				
5. INTEREST RATE - FIRST DAY OF REPORTING MONTH	1.860	N/A	--	--				
6. INTEREST RATE - FIRST DAY OF SUBSEQUENT MONTH	1.850	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)	(\$294,237)	N/A	--	--				

# A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

**Final**

Report Period : 4/1/2018 to 4/1/2018

Run Date: 5/9/2018 9:50:01 AM

<u>FUEL COST OF SYSTEM</u>	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
<b>NET GENERATION (\$)</b>				
1 - HEAVY OIL	0	0	0	0.0 %
2 - LIGHT OIL	1,615,703	283,157	1,332,546	470.6 %
3 - COAL	16,603,005	25,089,658	(8,486,653)	(33.8 %)
4 - GAS	71,002,110	73,499,285	(2,497,175)	(3.4 %)
5 - NUCLEAR	0	0	0	0.0 %
6	0	0	0	0.0 %
7	0	0	0	0.0 %
8 - TOTAL (\$)	89,220,818	98,872,100	(9,651,282)	(9.8 %)
<b>SYSTEM NET GENERATION (MWH)</b>				
9 - HEAVY OIL	0	0	0	0.0 %
10 - LIGHT OIL	6,392	3	6,389	212962.7 %
11 - COAL	453,955	767,124	(313,169)	(40.8 %)
12 - GAS	2,051,419	2,023,336	28,083	1.4 %
13 - NUCLEAR	0	0	0	0.0 %
14 - SOLAR	3,218	3,275	(57)	(1.7 %)
15	0	0	0	0.0 %
16 - TOTAL (MWH)	2,514,984	2,793,738	(278,754)	(10.0 %)
<b>UNITS OF FUEL BURNED</b>				
17 - HEAVY OIL (BBL)	0	0	0	0.0 %
18 - LIGHT OIL (BBL)	13,262	3,191	10,071	315.6 %
19 - COAL (TON)	222,540	357,452	(134,912)	(37.7 %)
20 - GAS (MCF)	15,727,264	15,421,635	305,629	2.0 %
21 - NUCLEAR (MMBTU)	0	0	0	0.0 %
22	0	0	0	0.0 %
23	0	0	0	0.0 %
<b>BTUS BURNED (MILLION BTU)</b>				
24 - HEAVY OIL	0	0	0	0.0 %
25 - LIGHT OIL	76,470	18,589	57,881	311.4 %
26 - COAL	5,054,018	8,268,691	(3,214,673)	(38.9 %)
27 - GAS	16,022,479	15,421,635	600,844	3.9 %
28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (MILLION BTU)	21,152,966	23,708,915	(2,555,949)	(10.8 %)

# A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Report Period : **Final**  
4/1/2018 to 4/1/2018  
Run Date: 5/9/2018 9:50:01 AM

## GENERATION MIX (% MWH)

32 - HEAVY OIL	0.0	0.00	0.0	0.0 %
33 - LIGHT OIL	0.3	0.00	0.3	236577.9 %
34 - COAL	18.1	27.46	(9.4)	(34.3 %)
35 - GAS	81.6	72.42	9.1	12.6 %
36 - NUCLEAR	0.0	0.00	0.0	0.0 %
37 - SOLAR	0.13	0.12	0.01	9.2 %
38	0	0	0	0
39 - TOTAL (% MWH)	100.0	100.0	(0.0)	(0.0 %)

## FUEL COST PER UNIT (\$)

40 - HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.0 %
41 - LIGHT OIL (\$/BBL)	121.83	88.74	33.09	37.3 %
42 - COAL (\$/TON)	74.61	70.19	4.42	6.3 %
43 - GAS (\$/MCF)	4.51	4.77	(0.25)	(5.3 %)
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	21.13	15.23	5.90	38.7 %
49 - COAL	3.29	3.03	0.25	8.3 %
50 - GAS	4.43	4.77	(0.33)	(7.0 %)
51 - NUCLEAR	0.00	0.00	0.00	0.0 %
52	0.00	0.00	0.00	0.0 %
53	0.00	0.00	0.00	0.0 %
54 - SYSTEM (\$/MBTU)	4.22	4.17	0.05	1.1 %

## BTU BURNED PER KWH (BTU/KWH)

55 - HEAVY OIL	0	0	0	0.0 %
56 - LIGHT OIL	11,964	6,196,333	(6,184,370)	(99.8 %)
57 - COAL	11,133	10,779	354	3.3 %
58 - GAS	7,810	7,622	189	2.5 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %
62 - SYSTEM (BTU/KWH)	8,411	8,486	(76)	(0.9 %)



# A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Report Period : **Final**  
4/1/2018 to 4/1/2018  
Run Date: 5/9/2018 9:50:01 AM

## GENERATED FUEL COST PER KWH (CENTS/KWH)

63 - HEAVY OIL	0.00	0.00	0.00	0.0 %
64 - LIGHT OIL	25.28	9,438.57	(9,413.29)	(99.7 %)
65 - COAL	3.66	3.27	0.39	11.8 %
66 - GAS	3.46	3.63	(0.17)	(4.7 %)
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)	3.55	3.54	0.01	0.2 %

# A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Report Period : 1/1/2018 to 4/1/2018

Run Date: 5/9/2018 10:06:57 AM

<u>FUEL COST OF SYSTEM</u>	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
<b>NET GENERATION (\$)</b>				
1 - HEAVY OIL	0	0	0	0.0 %
2 - LIGHT OIL	8,734,536	1,061,629	7,672,907	722.7 %
3 - COAL	83,995,253	99,449,001	(15,453,748)	(15.5 %)
4 - GAS	277,618,773	301,539,126	(23,920,353)	(7.9 %)
5 - NUCLEAR	0	0	0	0.0 %
6	0	0	0	0.0 %
7	0	0	0	0.0 %
8 - TOTAL (\$)	370,348,562	402,049,756	(31,701,194)	(7.9 %)
<b>SYSTEM NET GENERATION (MWH)</b>				
9 - HEAVY OIL	0	0	0	0.0 %
10 - LIGHT OIL	36,071	186	35,885	19293.0 %
11 - COAL	2,574,917	3,147,745	(572,828)	(18.2 %)
12 - GAS	8,112,827	7,643,636	469,191	6.1 %
13 - NUCLEAR	0	0	0	0.0 %
14 - SOLAR	10,782	11,338	(556)	(4.9 %)
15	0	0	0	0.0 %
16 - TOTAL (MWH)	10,734,597	10,802,905	(68,308)	(0.6 %)
<b>UNITS OF FUEL BURNED</b>				
17 - HEAVY OIL (BBL)	0	0	0	0.0 %
18 - LIGHT OIL (BBL)	75,977	11,698	64,279	549.5 %
19 - COAL (TON)	1,166,492	1,430,903	(264,411)	(18.5 %)
20 - GAS (MCF)	62,242,932	57,818,868	4,424,064	7.7 %
21 - NUCLEAR (MMBTU)	0	0	0	0.0 %
22	0	0	0	0.0 %
23	0	0	0	0.0 %
<b>BTUS BURNED (MILLION BTU)</b>				
24 - HEAVY OIL	0	0	0	0.0 %
25 - LIGHT OIL	441,122	68,146	372,976	547.3 %
26 - COAL	26,554,800	33,111,837	(6,557,037)	(19.8 %)
27 - GAS	63,551,808	57,818,868	5,732,940	9.9 %
28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (MILLION BTU)	90,547,730	90,998,851	(451,121)	(0.5 %)

# A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Report Period : 1/1/2018 to 4/1/2018

Run Date: 5/9/2018 10:06:57 AM

## GENERATION MIX (% MWH)

32 - HEAVY OIL	0.0	0.00	0.0	0.0 %
33 - LIGHT OIL	0.3	0.00	0.3	19416.4 %
34 - COAL	24.0	29.14	(5.2)	(17.7 %)
35 - GAS	75.6	70.76	4.8	6.8 %
36 - NUCLEAR	0.0	0.00	0.0	0.0 %
37 - SOLAR	0.10	0.10	(0.00)	(4.3 %)
38	0	0	0	0
39 - TOTAL (% MWH)	100.0	100.0	0.0	0.0 %

## FUEL COST PER UNIT (\$)

40 - HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.0 %
41 - LIGHT OIL (\$/BBL)	114.96	90.75	24.21	26.7 %
42 - COAL (\$/TON)	72.01	69.50	2.51	3.6 %
43 - GAS (\$/MCF)	4.46	5.22	(0.75)	(14.5 %)
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	19.80	15.58	4.22	27.1 %
49 - COAL	3.16	3.00	0.16	5.3 %
50 - GAS	4.37	5.22	(0.85)	(16.2 %)
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)	4.09	4.42	(0.33)	(7.4 %)

## BTU BURNED PER KWH (BTU/KWH)

55 - HEAVY OIL	0	0	0	0.0 %
56 - LIGHT OIL	12,229	366,376	(354,147)	(96.7 %)
57 - COAL	10,313	10,519	(206)	(2.0 %)
58 - GAS	7,833	7,564	269	3.6 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %
62 - SYSTEM (BTU/KWH)	8,435	8,424	12	0.1 %

# A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Report Period : 1/1/2018 to 4/1/2018

Run Date: 5/9/2018 10:06:57 AM

## GENERATED FUEL COST PER KWH (CENTS/KWH)

63 - HEAVY OIL	0.00	0.00	0.00	0.0 %
64 - LIGHT OIL	24.21	570.77	(546.55)	(95.8 %)
65 - COAL	3.26	3.16	0.10	3.3 %
66 - GAS	3.42	3.94	(0.52)	(13.3 %)
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)	3.45	3.72	(0.27)	(7.3 %)

**A-4 System Net Generation and Fuel Cost Report**

Duke Energy Florida, LLC

Report Period : 4/1/2018 to 4/1/2018

Run Date: 5/11/2018 11:23:57 AM

A) PLANT	(B) NET CAP (MW)	(C) NET GENERATION (MWH)	(D) CAP FAC (%)	(G) AVE NET HEAT RATE	(H) FUE L	(I) FUEL BURN (UNITS)	(J) FUEL HEAT VALUE (MMBTU/UNI)	(K) FUEL BURNED (MMBTU)	(L) AS BURNED FUEL COST (\$)	(M) FUEL COST PER KWH (CENTS/KW)	(N) FUEL COST PER UNIT (\$)
<b>Solar</b>											
<b>Osceola Solar</b>											
TOTAL UNIT 1	4	676.00	23	0					0	0	0.000
<b>Perry Solar Facility 1</b>											
TOTAL UNIT 1	5	835.00	23	0					0	0	0.000
<b>Suwanee Solar</b>											
TOTAL UNIT 1	9	1,707.00	26	0					0	0	0.000
<b>TOTAL Solar</b>	<b>18</b>	<b>3,218.00</b>		<b>0</b>					<b>0</b>	<b>0</b>	<b>0.000</b>
<b>Steam</b>											
<b>Anclote</b>											
TOTAL UNIT 1	511	121,828.00 121,828.00	33	10,830	Gas	1,289,758	1.023	1,319,422	5,323,738	4.370	4.128
TOTAL UNIT 2	514	22,435.00 22,435.00	6	11,050	Gas	242,331	1.023	247,905	1,000,270	4.459	4.128
<b>Crvstal River 1 &amp; 2</b>											
TOTAL UNIT 1		0.00		0					0	0	0.000
TOTAL UNIT 2	448	66,918.25 0.00 66,918.25	21	13,648	Coal No 2	41,071 1,520	22.024 5.737	904,548 8,721	4,027,183 198,225	6.018 0.000	98.054 130.411
<b>Crvstal River 4 &amp; 5</b>											
TOTAL UNIT 4	721	218,186.00 0.00 218,186.00	42	10,637	Coal No 2	100,304 4,726	22.866 5.761	2,293,551 27,226	6,951,079 616,174	3.186 0.000	69.300 130.380
TOTAL UNIT 5	721	173,240.00 0.00 173,240.00	33	10,787	Coal No 2	81,165 2,229	22.866 5.761	1,855,919 12,841	5,624,744 290,616	3.247 0.000	69.300 130.380
<b>TOTAL Steam</b>	<b>2,915</b>	<b>602,607.00</b>		<b>11,069</b>				<b>6,670,133</b>	<b>24,032,029</b>	<b>4.000</b>	

**A-4 System Net Generation and Fuel Cost Report**

Duke Energy Florida, LLC

Report Period : 4/1/2018 to 4/1/2018

Run Date: 5/11/2018 11:23:57 AM

A)	(B)	(C)	(D)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT	NET CAP (MW)	NET GENERATION (MWH)	CAP FAC (%)	AVE NET HEAT RATE	FUE L	FUEL BURN (UNITS)	FUEL HEAT VALUE (MMBTU/UNI)	FUEL BURNED (MMBTU)	AS BURNED FUEL COST (\$)	FUEL COST PER KWH (CENTS/KW)	FUEL COST PER UNIT (\$)
<b>Gas Turbine</b>											
<b>Bartow Combined</b>											
TOTAL BCC	1,197	670,047.00	78	7,593	Gas	5,002,843	1.017	5,087,891	23,721,692	3.540	4.742
		670,047.00						5,087,891	23,721,692	3.540	
<b>Bartow Peaker</b>											
TOTAL BAP	171	22.57	2	15,943	No 2	63	5.712	360	6,555	29.041	104.047
		1,941.33			Gas	30,284	1.022	30,950	124,688	6.423	4.117
		1,964.00						31,310	131,243	6.683	
<b>Debary Peaker</b>											
TOTAL DEP	617	874.01	0	14,507	No 2	2,200	5.763	12,679	254,924	29.167	115.875
		5.99			Gas	85	1.023	87	156	2.602	1.835
		880.00						12,766	255,080	28.986	
<b>Higgins Peaker</b>											
TOTAL HGP	116	1,814.80	2	18,884	Gas	33,500	1.023	34,271	138,057	7.607	4.121
		1,815.00						34,271	138,057	7.607	
<b>Hines Energy</b>											
TOTAL HEP	2,199	1,019,094.00	64	7,183	Gas	7,184,096	1.019	7,320,594	31,729,288	3.113	4.417
		1,019,094.00						7,320,594	31,729,288	3.113	
<b>Intercession City</b>											
TOTAL ICP	948	1,108.60	5	13,209	No 2	2,524	5.802	14,643	249,208	22.479	98.735
		36,275.25			Gas	470,218	1.019	479,152	2,236,214	6.165	4.756
		37,384.00						493,795	2,485,422	6.648	
<b>Osprey</b>											
TOTAL OSP	600	132,341.00	31	7,706	Gas	1,001,731	1.018	1,019,762	4,761,178	3.598	4.753
		132,341.00						1,019,762	4,761,178	3.598	
<b>Suwannee Peaker</b>											
TOTAL SRP	136	5,878.30	6	14,737	Gas	84,678	1.023	86,626	349,040	5.938	4.122
		5,878.00						86,626	349,040	5.938	
<b>Tiger Bay Cogen</b>											
TOTAL TBP	231	26,963.00	16	7,929	Gas	209,797	1.019	213,783	996,574	3.696	4.750
		26,963.00						213,783	996,574	3.696	
<b>Univ of Florida</b>											
TOTAL UFP	47	0.00	38	14,229	No 2	0	0.000	0	0	0.000	0.000
		12,793.40			Gas	177,943	1.023	182,036	621,218	4.856	3.491
		12,793.00						182,036	621,218	4.856	
<b>TOTAL Gas Turbine</b>	<b>6,262</b>	<b>1,909,159.00</b>		<b>7,586</b>				<b>14,482,834</b>	<b>65,188,793</b>	<b>3.415</b>	
<b>SYSTEM TOTAL</b>	<b>9,195</b>	<b>2,514,984.50</b>		<b>8,411</b>				<b>21,152,966</b>	<b>89,220,822</b>	<b>3.548</b>	

A-4 System Net Generation and Fuel Cost Report

Report Period : 1/1/2018 to 4/1/2018

Duke Energy Florida, LLC

Run Date: 5/11/2018 11:47:39 AM

A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT	NET CAP	NET GENERATIO	CAP FAC	EQUIV AVAIL	NET OUTPUT	AVE NET HEAT	FUE L	FUEL BURN	FUEL HEAT	FUEL BURNED (MMBTU)	AS BURNED	FUEL COST PER KWH	FUEL COST
<b>Solar</b>													
<b>Osceola Solar Facility</b>													
TOTAL UNIT 1	4	2,431.00	21			0				0	0	0.000	
<b>Perry Solar Facility 1</b>													
TOTAL UNIT 1	5	2,313.00	16			0				0	0	0.000	
<b>Suwanee Solar</b>													
TOTAL UNIT 1	9	6,038.00	23			0				0	0	0.000	
<b>TOTAL Solar</b>	18	10,782.00				0				0	0	0.000	
<b>Steam</b>													
<b>Anclote</b>													
		461,058.00					Gas	4,916,715	1.024	5,033,667	24,388,753	5.290	4.960
TOTAL UNIT 1	511	461,058.00	31			10,918				5,033,667	24,388,753	5.290	
		239,938.00					Gas	2,614,396	1.024	2,677,315	13,165,599	5.487	5.036
TOTAL UNIT 2	514	239,938.00	16			11,158				2,677,315	13,165,599	5.487	
<b>Crvstal River 1 &amp; 2</b>													
		99,401.00					Coal	50,272	22.840	1,148,211	4,899,718	4.929	97.464
		0.00					No 2	1,449	5.747	8,327	188,355	0.000	129.990
TOTAL UNIT 1	332	99,401.00	10			11,635				1,156,538	5,088,073	5.119	
		206,344.11					Coal	121,278	22.354	2,711,017	11,880,610	5.758	97.962
		0.00					No 2	5,248	5.745	30,150	687,294	0.000	130.963
TOTAL UNIT 2	448	206,344.11	16			13,284				2,741,167	12,567,904	6.091	
<b>Crvstal River 4 &amp; 5</b>													
		975,730.00					Coal	425,996	22.904	9,756,806	28,708,949	2.942	67.393
		0.00					No 2	7,489	5.760	43,139	977,477	0.000	130.522
TOTAL UNIT 4	721	975,730.00	47			10,044				9,799,945	29,686,426	3.042	
		1,303,850.00					Coal	568,946	22.742	12,938,766	38,505,976	2.953	67.679
		0.00					No 2	5,903	5.760	33,999	772,468	0.000	130.860
TOTAL UNIT 5	721	1,303,850.00	63			9,950				12,972,765	39,278,444	3.012	
<b>TOTAL Steam</b>	2,915	3,286,321.00				10,462				34,381,396	124,175,199	4.000	

A-4 System Net Generation and Fuel Cost Report

Report Period : 1/1/2018 to 4/1/2018

Duke Energy Florida, LLC

Run Date: 5/11/2018 11:47:39 AM

A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT	NET CAP	NET GENERATIO	CAP FAC	EQUIV AVAIL	NET OUTPUT	AVE NET HEAT	FUE L	FUEL BURN	FUEL HEAT	FUEL BURNED (MMBTU)	AS BURNED	FUEL COST PER KWH	FUEL COST
<b>Gas Turbine</b>													
<b>Avon Park Peaker</b>													
		3.44					No 2	18	5.816	105	1,876	54.595	104.241
		3.56					Gas	106	1.024	109	586	16.456	5.532
TOTAL APP	50	7.00	0			30,463				213	2,463	35.181	
<b>Bartow Combined</b>													
TOTAL BCC	1,197	2,332,542.00	68			7,825	Gas	17,900,623	1.020	18,252,778	78,684,323	3.373	4.396
		2,332,542.00								18,252,778	78,684,323	3.373	
<b>Bartow Peaker</b>													
		188.02					No 2	523	5.712	2,987	54,417	28.943	104.047
		2,711.88					Gas	42,146	1.022	43,089	191,393	7.058	4.541
TOTAL BAP	223	2,900.00	0			15,889				46,076	245,810	8.477	
<b>Bayboro Peaker</b>													
TOTAL BYP	238	4,348.30	1			13,282	No 2	10,111	5.712	57,754	1,459,017	33.554	144.300
		4,348.00								57,754	1,459,017	33.554	
<b>Debary Peaker</b>													
		4,339.67					No 2	10,167	5.770	58,664	1,178,099	27.147	115.875
		19.33					Gas	255	1.025	261	1,034	5.349	4.054
TOTAL DEP	617	4,359.00	0			13,518				58,926	1,179,132	27.051	
<b>Higgins Peaker</b>													
TOTAL HGP	116	3,312.30	1			18,789	Gas	60,830	1.023	62,234	300,076	9.059	4.933
		3,312.00								62,234	300,076	9.059	
<b>Hines Energy</b>													
TOTAL HEP	2,199	4,237,950.00	67			7,150	Gas	29,674,879	1.021	30,299,357	130,878,361	3.088	4.410
		4,237,950.00								30,299,357	130,878,361	3.088	
<b>Intercession City</b>													
		14,772.46					No 2	32,561	5.801	191,407	3,184,878	21.560	96.532
		94,491.89					Gas	1,196,925	1.023	1,224,334	5,249,010	5.555	4.385
TOTAL ICP	1,109	109,264.00	3			12,957				1,415,741	8,433,889	7.719	
<b>Osprey</b>													
TOTAL OSP	600	330,002.00	19			7,437	Gas	2,406,819	1.020	2,454,339	10,147,079	3.075	4.216
		330,002.00								2,454,339	10,147,079	3.075	
<b>Suwannee Peaker</b>													
		1,002.67					No 2	2,508	5.817	14,589	230,655	23.004	91.968
		10,257.23					Gas	145,801	1.024	149,244	692,615	6.752	4.750
TOTAL SRP	203	11,260.00	2			14,550				163,833	923,269	8.200	
<b>Tiger Bay Cogen</b>													
TOTAL TBP	231	290,996.00	44			7,495	Gas	2,137,379	1.020	2,181,087	8,852,432	3.042	4.142
		290,996.00								2,181,087	8,852,432	3.042	
<b>Univ of Florida Cogen</b>													
		0.00					No 2	0	0.000	0	0	0.000	0.000
		110,554.20					Gas	1,146,058	1.024	1,173,996	5,067,514	4.584	4.422
TOTAL UFP	47	110,554.00	82			10,619				1,173,996	5,067,514	4.584	
<b>TOTAL Gas Turbine</b>	<b>6,830</b>	<b>7,437,495.00</b>				<b>7,552</b>				<b>56,166,334</b>	<b>246,173,366</b>	<b>3.310</b>	
<b>SYSTEM TOTAL</b>	<b>9,763</b>	<b>10,734,598.06</b>				<b>8,435</b>				<b>90,547,730</b>	<b>370,348,565</b>	<b>3.450</b>	



# A-5 System Generation Fuel Cost Report

Final  
Report Period : 4/1/2018 to 4/1/2018

Duke Energy Florida, LLC

Run Date: 5/9/2018 9:50:56 AM

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
<b>HEAVY OIL</b>				
<b>1 - PURCHASES</b>				
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%
<b>5 - BURNED</b>				
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%
<b>9 - ADJUSTMENTS</b>				
10 - UNITS (BBL)	0		0	0.0%
11 - AMOUNT (\$)	0		0	0.0%
<b>12 - ENDING INVENTORY</b>				
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%
<b>LIGHT OIL</b>				
<b>18 - PURCHASES</b>				
19 - UNITS (BBL)	5,330	3,191	2,139	67.0%
20 - UNIT COST (\$/BBL)	128.27	88.74	39.53	44.6%
21 - AMOUNT (\$)	683,679	283,157	400,522	141.4%
<b>22 - BURNED</b>				
23 - UNITS (BBL)	13,262	3,191	10,071	315.6%
24 - UNIT COST (\$/BBL)	121.83	88.74	33.09	37.3%
25 - AMOUNT (\$)	1,615,703	283,157	1,332,546	470.6%
<b>26 - ADJUSTMENTS</b>				
27 - UNITS (BBL)	0			
28 - AMOUNT (\$)	0			
<b>29 - ENDING INVENTORY</b>				
30 - UNITS (BBL)	742,825	907,649	(174,705)	(19.2%)
31 - UNIT COST (\$/BBL)	110.95	111.22	(0.27)	(0.2%)
32 - AMOUNT (\$)	81,320,493	100,950,380	(19,629,887)	(19.4%)
33 -				
34 - DAYS SUPPLY	1,658	8,533	(6,875)	(80.6%)

# A-5 System Generation Fuel Cost Report

Final

Report Period : 4/1/2018 to 4/1/2018

Duke Energy Florida, LLC

Run Date: 5/9/2018 9:50:56 AM

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
<b>COAL</b>				
<b>35 - PURCHASES</b>				
36 - UNITS (TON)	258,389	357,452	(99,063)	(27.7%)
37 - UNIT COST (\$/TON)	76.20	70.19	6.01	8.6%
38 - AMOUNT (\$)	19,690,475	25,089,658	(5,399,183)	(21.5%)
<b>39 - BURNED</b>				
40 - UNITS (TON)	222,540	357,452	(134,912)	(37.7%)
41 - UNIT COST (\$/TON)	74.61	70.19	4.42	6.3%
42 - AMOUNT (\$)	16,603,005	25,089,658	(8,486,653)	(33.8%)
<b>43 - ADJUSTMENTS</b>				
44 - UNITS (TON)	0			
45 - AMOUNT (\$)	0			
<b>46 - ENDING INVENTORY</b>				
47 - UNITS (TON)	909,563	826,945	82,618	10.0%
48 - UNIT COST (\$/TON)	76.86	70.19	6.67	9.5%
49 - AMOUNT (\$)	69,908,844	58,043,518	11,865,326	20.4%
50 -				
<b>51 - DAYS SUPPLY</b>	123	69	53	76.7%
<b>GAS</b>				
<b>52 - BURNED</b>				
53 - UNITS (MCF)	15,727,264	15,421,635	305,629	2.0%
54 - UNIT COST (\$/MCF)	4.51	4.77	(0.25)	(5.3%)
55 - AMOUNT (\$)	71,002,110	73,499,285	(2,497,175)	(3.4%)
<b>NUCLEAR</b>				
<b>56 - BURNED</b>				
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 4/1/2018

Duke Energy Florida, LLC

Run Date: 5/9/2018 10:06:08 AM

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
<b>HEAVY OIL</b>				
<b>1 - PURCHASES</b>				
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%
<b>5 - BURNED</b>				
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%
<b>9 - ADJUSTMENTS</b>				
10 - UNITS (BBL)	0		0	0.0%
11 - AMOUNT (\$)	0		0	0.0%
<b>12 - ENDING INVENTORY</b>				
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%
<b>LIGHT OIL</b>				
<b>18 - PURCHASES</b>				
19 - UNITS (BBL)	61,933	11,698	50,235	429.4%
20 - UNIT COST (\$/BBL)	121.96	90.75	31.21	34.4%
21 - AMOUNT (\$)	7,553,584	1,061,629	6,491,955	611.5%
<b>22 - BURNED</b>				
23 - UNITS (BBL)	75,977	11,698	64,279	549.5%
24 - UNIT COST (\$/BBL)	114.96	90.75	24.21	26.7%
25 - AMOUNT (\$)	8,734,536	1,061,629	7,672,907	722.7%
<b>26 - ADJUSTMENTS</b>				
27 - UNITS (BBL)	(101,184)			
28 - AMOUNT (\$)	(13,375,839)			
<b>29 - ENDING INVENTORY</b>				
30 - UNITS (BBL)	742,824	907,649	(174,705)	(19.2%)
31 - UNIT COST (\$/BBL)	110.95	111.22	(0.27)	(0.2%)
32 - AMOUNT (\$)	81,320,493	100,950,380	(19,629,887)	(19.4%)
33 -				
34 - DAYS SUPPLY	0	0	0	0.0%

# A-5 System Generation Fuel Cost Report

Report Period : 1/1/2018 to 4/1/2018

Duke Energy Florida, LLC

Run Date: 5/9/2018 10:06:08 AM

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
<b>COAL</b>				
<b>35 - PURCHASES</b>				
36 - UNITS (TON)	1,158,634	1,430,903	(272,269)	(19.0%)
37 - UNIT COST (\$/TON)	73.30	69.50	3.80	5.5%
38 - AMOUNT (\$)	84,924,947	99,449,001	(14,524,054)	(14.6%)
<b>39 - BURNED</b>				
40 - UNITS (TON)	1,166,492	1,430,903	(264,411)	(18.5%)
41 - UNIT COST (\$/TON)	72.01	69.50	2.51	3.6%
42 - AMOUNT (\$)	83,995,253	99,449,001	(15,453,748)	(15.5%)
<b>43 - ADJUSTMENTS</b>				
44 - UNITS (TON)	0			
45 - AMOUNT (\$)	0			
<b>46 - ENDING INVENTORY</b>				
47 - UNITS (TON)	909,563	826,945	82,618	10.0%
48 - UNIT COST (\$/TON)	76.86	70.19	6.67	9.5%
49 - AMOUNT (\$)	69,908,844	58,043,518	11,865,326	20.4%
50 -				
51 - DAYS SUPPLY	0	0	0	0.0%
<b>GAS</b>				
<b>52 - BURNED</b>				
53 - UNITS (MCF)	62,242,932	57,818,868	4,424,064	7.7%
54 - UNIT COST (\$/MCF)	4.46	5.22	(0.75)	(14.5%)
55 - AMOUNT (\$)	277,618,773	301,539,126	(23,920,353)	(7.9%)
<b>NUCLEAR</b>				
<b>56 - BURNED</b>				
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  
April 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 \$
<b>ESTIMATED</b>		9,700		9,700	3.781	4.692	366,759	455,065	88,306
<b>ACTUAL</b>									
Macquarie Energy LLC		516		516	3.061	3.628	15,793.20	18,718.03	2,924.83
PJM Settlements, Inc	MR1	100		100	2.172	3.213	2,172.10	3,213.49	1,041.39
Tampa Electric Company	CR-1	75		75	5.190	6.448	3,892.72	4,836.28	943.56
The Energy Authority	Schedule OS	89		89	4.037	4.814	3,592.68	4,284.53	691.85
<b>ADJUSTMENTS</b>									
PJM Settlements								1,444.39	1,444.39
Subtotal - Gain on Other Power Sales		780		780	3.263	4.166	25,450.70	32,496.72	7,046.02
CURRENT MONTH TOTAL		780		780	3.263	4.166	25,450.70	32,496.72	7,046.02
DIFFERENCE		(8,920)		(8,920)	(0.518)	(0.526)	(341,308.30)	(422,568.28)	(81,259.98)
DIFFERENCE %		(92)		(92)	(13.700)	(11.210)	(93.06)	(92.86)	(92.02)
CUMULATIVE ACTUAL		30,709		30,709	4.922	10.586	1,511,371.54	3,250,804.21	1,739,432.67
CUMULATIVE ESTIMATED		31,296		19,722	3.849	4.775	1,204,468.00	1,494,472.00	290,004.00
DIFFERENCE		(587)		10,987	1.073	5.811	306,903.54	1,756,332.21	1,449,428.67
DIFFERENCE %		(1.88)		55.710	27.880	121.680	25.48	117.52	499.80

DUKE ENERGY FLORIDA, LLC.  
SCHEDULE A7

PURCHASED POWER  
EXCLUSIVE OF ECONOMY PURCHASES  
FOR THE MONTH OF:  
APRIL, 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 \$
<b>ESTIMATED</b>		124,639			124,639	4.175	4.175	5,203,120	5,203,120
<b>ACTUAL</b>									
Shady Hills Power Company, L.L.C.	TOLL	51,484			51,484	5.689	5.689	2,929,094.99	2,929,094.99
Southern Power Company	Franklin	140,597			140,597	3.304	3.304	4,644,810.48	4,644,810.48
Vandolah Power Company L.L.C.	TOLL	143,845			143,845	5.116	5.116	7,359,022.71	7,359,022.71
<b>ADJUSTMENTS</b>									
Shady Hills Power Company, L.L.C.	TOLL	(3,956)			(3,956)	(0.403)	(0.403)	15,933.71	15,933.71
Southern Power Company	Franklin	-			-	-	-	13,779.57	13,779.57
Vandolah Power Company L.L.C.	TOLL	993			993	3.258	3.258	32,356.04	32,356.04
Osprey Energy Center								(447.92)	(447.92)
CURRENT MONTH TOTAL		332,963			332,963	4.503	4.503	14,994,549.58	14,994,549.58
DIFFERENCE		208,324			208,324	0.328	0.328	9,791,429.58	9,791,429.58
DIFFERENCE %		167.14			167.14	7.865	7.865	188.18	188.18
CUMULATIVE ACTUAL		812,513			812,513	4.926	4.926	40,025,845.72	40,025,845.72
CUMULATIVE ESTIMATED		438,638			438,638	4.124	4.124	18,087,299.00	18,087,299.00
DIFFERENCE		373,875			373,875	0.80	0.80	21,938,546.72	21,938,546.72
DIFFERENCE %		85			85	19.466	19.466	121.29	121.29

DUKE ENERGY FLORIDA, LLC  
SCHEDULE A8

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

(1) PURCHASED FROM	(2) TYPE & SCHEDULE	(3) TOTAL PURCHASED KWH (000)	(4) KWH FOR OTHER UTILITIES (000)	(5) KWH FOR INTERRUPTIBLE (000)	(6) KWH FOR FIRM (000)	(7) ENERGY COST C/KWH	(8) TOTAL COST C/KWH	(9) TOTAL AMOUNT FOR FUEL ADJ \$
ESTIMATED		269,121			269,121	5	13.876	12,112,794.25
ACTUAL								
Citrus World (CITRUS) ADJ	CO-GEN	90 22			90 22	2	2.380	2,139.36 633.41
Florida Power Development (FCRUSHAS) ADJ	CO-GEN	- -			- -	-	-	- (377.20)
Florida Power Development (FLACRUSH) ADJ	CO-GEN	35,288 -			35,288 -	8	7.753	2,735,887.96 0.00
Lake County (LAKCOUNT) ADJ	CO-GEN	970 -			970 -	3	2.528	24,522.24 1,398.46
Lee County (LEECOGAS) ADJ	CO-GEN	17,564 -			17,564 -	3	2.548	447,525.32 17,931.15
Metro-Dade County (METRDDAS) ADJ	CO-GEN	11,626 -			11,626 -	3	2.585	300,540.91 16,651.00
Orange Cogen (ORANGEAS) ADJ	CO-GEN	924 -			924 -	3	2.626	24,261.79 4,162.16
Orange Cogen (ORANGECO) ADJ	CO-GEN	34,988 -			34,988 -	4	4.210	1,473,151.56 19,170.25
Orlando Cogen Limited (ORLACOGL) ADJ	CO-GEN	86,585 -			86,585 -	5	5.377	4,655,433.47 (100.66)
Pasco County Resource Recovery (PASCOUNT) ADJ	CO-GEN	15,895 -			15,895 -	3	2.550	405,400.60 24,067.93
PCS Phosphate (OCSWFCRK) ADJ	CO-GEN	5 5			5 5	3	2.745	128.20 128.20
Pinellas County Resource Recovery (PINCOUNT) ADJ	CO-GEN	31,989 -			31,989 -	3	2.557	818,051.82 59,659.32
Polk Power Partners, L.P. (MULBERRY) ADJ	CO-GEN	11,474 -			11,474 -	2	2.313	265,393.62 66,572.66
Wheelabrator Ridge Energy, Inc. (RIDGEGEN) ADJ	CO-GEN	12,569 -			12,569 -	6	5.551	697,705.19 69,367.09
CURRENT MONTH TOTAL		259,993			259,993	5	4.665	12,129,405.80
DIFFERENCE		(9,128)			(9,128)	0	(9.21)	16,611.55
DIFFERENCE %		(3)			(3)	4	(197.44)	0.14
CUMULATIVE ACTUAL		1,098,303			1,098,303	4	4.47	49,139,282.43
CUMULATIVE ESTIMATED		1,130,363			1,130,363	4	4.48	50,630,741.34
CUMULATIVE DIFFERENCE		(32,060)			(32,060)	(0)	(0.01)	(1,491,458.91)
CUMULATIVE DIFFERENCE %		(3)			(3)	(0)	(0.11)	(2.95)

DUKE ENERGY FLORIDA, LLC  
SCHEDULE A9

ECONOMY ENERGY PURCHASES  
INCLUDING LONG TERM PURCHASES  
FOR THE MONTH OF:  
APRIL, 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 \$
<b>ESTIMATED</b>		2,050	4.951	101,474	6.324	129,620	28,146
<b>ACTUAL:</b>							
SEPA	Hydro	13,503	3.697	499,217.89	3.697	499,217.89	-
EDF Trading North America, LLC		1,450	2.959	42,900.00	5.098	\$73,923.48	31,023.48
Exelon Generation Company, LLC	InternationalSwapsDe	2,264	3.207	72,598.00	5.167	\$116,969.65	44,371.65
Florida Power & Light Company	Transmission Purchase			24,732.57			(24,732.57)
Florida Power & Light Company		12,150	3.434	417,200.00	4.414	\$536,346.00	119,146.00
Morgan Stanley Capital Group Inc.	EEl	2,135	3.021	64,500.00	4.367	\$93,243.53	28,743.53
Orlando Utilities Commission	Schedule OS	1,425	3.144	44,800.00	4.099	\$58,416.75	13,616.75
Southern Company Services, Inc.	EEl	3,882	3.279	127,290.00	7.106	\$275,857.93	148,567.93
Southern Company Services, Inc.	Transmission Purchase			441.87			(441.87)
Tennessee Valley Authority Transmission	Transmission Purchase			302.00			(302.00)
The Energy Authority	EEl	145	2.076	3,010.00	2.758	\$3,999.78	989.78
<b>ADJUSTMENTS</b>							
Florida Power & Light				(0.37)			0.37
Duke Electric Transmission				1,970.28			(1,970.28)
Tampa Electric Company	Transmission Purchase			41,255.79			(41,255.79)
Southern Company Services, Inc.	Transmission Purchase			(2,422.90)			2,422.90
PJM Settlements				(1,406.38)			1,406.38
SubTotal - Energy Purchases (Non-Broker)		36,954	3.616	1,336,388.75	4.487	1,657,975.01	321,586.26
CURRENT MONTH TOTAL		36,954	3.616	1,336,388.75	4.487	1,657,975.01	321,586.26
DIFFERENCE		34,904	(1.335)	1,234,914.75	(1.837)	1,528,355.01	293,440.26
DIFFERENCE %		1,703	(26.957)	1,216.98	(29.055)	1,179.10	1,042.56
CUMULATIVE ACTUAL		98,690	4.799	4,735,981.68	6.288	6,205,212.34	1,469,230.66
CUMULATIVE ESTIMATED		12,858	4.448	571,928.00	5.682	730,580.00	158,652.00
DIFFERENCE		85,832	0.351	4,164,053.68	0.606	5,474,632.34	1,310,578.66
DIFFERENCE %		668	7.887	728.07	10.660	749.35	826.07



