



Matthew R. Bernier
ASSOCIATE GENERAL COUNSEL

April 19, 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 March 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 March 2018 have been furnished to the following individuals via e-mail on this 19th day of April, 2018.

/s/ *Matthew R. Bernier*
Attorney

<p>Suzanne Brownless Office of General Counsel FL Public Service Commission 2540 Shumard Oak Blvd. Tallahassee, FL 32399-0850 sbrownle@psc.state.fl.us</p> <p>James Beasley / J. Jeffry Wahlen Ausley McMullen P.O. Box 391 Tallahassee, FL 32302 jbeasley@ausley.com jwahlen@ausley.com</p> <p>Russell Badders / Steven Griffin Beggs & Lane P.O. Box 12950 Pensacola, FL 32591 rab@beggslane.com srg@beggslane.com</p> <p>Kenneth A. Hoffman Florida Power & Light Company 215 S. Monroe Street, Suite 810 Tallahassee, FL 32301-1858 ken.hoffman@fpl.com</p> <p>Rhonda J. Alexander / Jeffrey A. Stone Gulf Power Company One Energy Place Pensacola, FL 32520 rjalexad@southernco.com jastone@southernco.com</p> <p>Jon C. Moyle, Jr. Moyle Law Firm, P.A. 118 North Gadsden Street Tallahassee, FL 32301 jmoyle@moylelaw.com</p> <p>Beth Keating Gunster, Yoakley & Stewart, P.A. 215 South Monroe Street, Suite 601 Tallahassee, FL 32301 bkeating@gunster.com</p>	<p>Charles Rehwinkel / Erik Saylor/ J.R. Kelly / Patricia Christensen Office of Public Counsel c/o The Florida Legislature 111 W. Madison St., Room 812 Tallahassee, FL 32399-1400 kelly.jr@leg.state.fl.us sayler.erik@leg.state.fl.us christensen.patty@leg.state.fl.us rehwinkel.charles@leg.state.fl.us</p> <p>Ms. Paula K. Brown Regulatory Affairs Tampa Electric Company P.O. Box 111 Tampa, FL 33601-0111 regdept@tecoenergy.com</p> <p>John Butler / Maria Moncada Florida Power & Light Company 700 Universe Blvd (LAW/JB) Juno Beach, FL 33408-0420 john.butler@fpl.com maria.moncada@fpl.com</p> <p>James Brew / Laura Wynn Stone Law Firm 1025 Thomas Jefferson St., N.W. Suite 800 West Washington, DC 20007 jbrew@smxblaw.com law@smxblaw.com</p> <p>Robert Scheffel Wright / John T. LaVia, III c/o Gardner Law Firm 1300 Thomaswood Drive Tallahassee, FL 32308 schef@gbwlegal.com jlavia@gbwlegal.com</p> <p>Mike Cassel Florida Public Utilities Company 1750 S. 14th Street, Suite 200 Fernandina Beach, FL 32034 mcassel@fpuc.com</p>
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DUKE ENERGY FLORIDA
FUEL AND PURCHASED POWER

MARCH 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)	84,812,907	101,752,841	(16,939,934)	(16.7)	2,447,463	2,577,945	(130,482)	(5.1)	3.4653	3.9471	(0.4818)	(12.2)
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	470	0	470	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	84,813,377	101,752,841	(16,939,464)	(16.7)	2,447,463	2,577,945	(130,482)	(5.1)	3.4654	3.9471	(0.4817)	(12.2)
5 ENERGY COST OF PURCHASED POWER - F RM (SCH A7)	8,846,730	9,406,303	(559,573)	(6.0)	233,487	231,296	2,191	1.0	3.7890	4.0668	(0.2778)	(6.8)
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)	853,758	236,699	617,059	260.7	26,950	5,384	21,566	400.6	3.1679	4.3964	(1.2285)	(27.9)
8 PAYMENTS TO QUAL FYING FAC LITIES (SCH A8)	11,522,091	12,592,884	(1,070,793)	(8.5)	285,455	269,839	15,616	5.8	4.0364	4.6668	(0.6304)	(13.5)
9 TOTAL COST OF PURCHASED POWER	21,222,580	22,235,886	(1,013,307)	(4.6)	545,892	506,518	39,373	7.8	3.8877	4.3899	(0.5022)	(11.4)
10 TOTAL AVA LABLE MWH					2,993,354	3,084,463	(91,109)	(3.0)				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(39,917)	(53,111)	13,194	(24.8)	(1,346)	(1,397)	51	(3.6)	2.9656	3.8029	(0.8373)	(22.0)
11a GA N ON OTHER POWER SALES - 100% (SCH A6)	(43,512)	(12,787)	(30,725)	240.3	(1,346)	(1,397)	51	(3.6)	3.2327	0.9156	2.3171	253.1
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	(2,500,106)	(1,744,660)	(755,445)	43.3	(144,249)	(105,388)	(38,861)	36.9	1.7332	1.6555	0.0777	4.7
13 TOTAL FUEL COST AND GAINS ON POWER SALES	(2,583,535)	(1,810,558)	(772,976)	42.7	(145,595)	(106,785)	(38,810)	36.3	1.7745	1.6955	0.0790	4.7
14 NET INADVERTENT AND WHEELED NTERCHANGE					23,803	0	23,803					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	103,452,422	122,178,169	(18,725,747)	(15.3)	2,871,562	2,977,678	(106,116)	(3.6)	3.6027	4.1031	(0.5004)	(12.2)
16 NET UNB LLED	(6,320,443)	4,957,826	(11,278,269)	(227.5)	175,439	(120,830)	296,269	(245.2)	(0.2140)	0.1857	(0.3997)	(215.2)
17 COMPANY USE	566,315	572,032	(5,717)	(1.0)	(15,719)	(13,941)	(1,778)	12.8	0.0192	0.0214	(0.0022)	(10.3)
18 T & D LOSSES	2,798,021	7,111,766	(4,313,745)	(60.7)	(77,666)	(173,325)	95,660	(55.2)	0.0947	0.2664	(0.1717)	(64.5)
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	103,452,422	122,178,169	(18,725,747)	(15.3)	2,953,616	2,669,582	284,034	10.6	3.5026	4.5767	(1.0741)	(23.5)
20 WHOLESALE KWH SALES (EXCLUD NG STRAT FIED SALES)	(486,226)	(537,584)	51,358	(9.6)	(14,028)	(11,652)	(2,376)	20.4	3.4660	4.6137	(1.1477)	(24.9)
21 JURISDICTIONAL KWH SALES	102,966,196	121,640,585	(18,674,389)	(15.4)	2,939,587	2,657,930	281,658	10.6	3.5027	4.5765	(1.0738)	(23.5)
22 JURISDICTIONAL KWH SALES ADJUSTED FOR L NE LOSS - 1.00031	102,998,115	121,776,823	(18,778,707)	(15.4)	2,939,587	2,657,930	281,658	10.6	3.5038	4.5816	(1.0778)	(23.5)
23 PRIOR PERIOD TRUE-UP	8,145,991	8,145,991	(0)	0.0	2,939,587	2,657,930	281,658	10.6	0.2771	0.3065	(0.0294)	(9.6)
24 TOTAL JURISDICTIONAL FUEL COST	111,144,106	129,922,814	(18,778,708)	(14.5)	2,939,587	2,657,930	281,658	10.6	3.7809	4.8881	(1.1072)	(22.7)
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									3.7836	4.8916	(1.1080)	(22.7)
27 GP F	232,768	232,768			2,939,587	2,657,930			0.0079	0.0088	(0.0009)	(10.2)
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									3.792	4.900	(1.109)	(22.6)

*Line 15a. MWH Data for Infomational Purposes Only

**DUKE ENERGY FLORIDA
FUEL AND PURCHASED POWER
COST RECOVERY CLAUSE CALCULATION
YEAR TO DATE - MARCH 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)	281,127,744	303,177,656	(22,049,912)	(7.3)	8,219,614	8,009,168	210,446	2.6	3.4202	3.7854	(0.3652)	(9.7)
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	105,457	0	105,457	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	281,233,201	303,177,656	(21,944,455)	(7.2)	8,219,614	8,009,168	210,446	2.6	3.4215	3.7854	(0.3639)	(9.6)
5 ENERGY COST OF PURCHASED POWER - F RM (SCH A7)	25,031,296	12,884,179	12,147,117	94.3	507,570	313,999	193,571	61.7	4.9316	4.1033	0.8283	20.2
6 ENERGY COST OF SCH C,X ECONOMY PURCH - BROKER (SCH A9)	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
7 ENERGY COST OF ECONOMY PURCH - NON-BROKER (SCH A9)	3,399,593	470,454	2,929,139	622.6	61,736	10,808	50,928	471.2	5.5067	4.3529	1.1538	26.5
8 PAYMENTS TO QUAL FYING FAC LITIES (SCH A8)	37,009,877	38,517,947	(1,508,070)	(3.9)	838,309	861,241	(22,932)	(2.7)	4.4148	4.4724	(0.0576)	(1.3)
9 TOTAL COST OF PURCHASED POWER	65,440,766	51,872,580	13,568,186	26.2	1,407,615	1,186,048	221,567	18.7	4.6491	4.3736	0.2755	6.3
10 TOTAL AVA LABLE MWH					9,627,229	9,195,215	432,013	4.7				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(1,485,921)	(837,709)	(648,212)	77.4	(29,929)	(21,595)	(8,334)	38.6	4.9648	3.8791	1.0857	28.0
11a GA N ON OTHER POWER SALES - 100% (SCH A6)	(1,732,387)	(201,698)	(1,530,689)	758.9	(29,929)	(21,595)	(8,334)	38.6	5.7883	0.9340	4.8543	519.7
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	(12,468,598)	(4,303,409)	(8,165,189)	189.7	(497,879)	(274,711)	(223,168)	81.2	2.5043	1.5665	0.9378	59.9
13 TOTAL FUEL COST AND GAINS ON POWER SALES	(15,686,906)	(5,342,816)	(10,344,090)	193.6	(527,808)	(296,306)	(231,502)	78.1	2.9721	1.8031	1.1690	64.8
14 NET INADVERTENT AND WHEELED NTERCHANGE					51,222	0	51,222					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	330,987,060	349,707,420	(18,720,360)	(5.4)	9,150,643	8,898,909	251,734	2.8	3.6171	3.9298	(0.3127)	(8.0)
16 NET UNBILLED	(11,504,929)	(4,391,506)	(7,113,423)	162.0	318,071	120,782	197,289	163.3	(0.1311)	(0.0519)	(0.0792)	152.6
17 COMPANY USE	1,688,536	1,638,574	49,962	3.1	(46,682)	(41,703)	(4,979)	11.9	0.0192	0.0194	(0.0002)	(1.0)
18 T & D LOSSES	23,346,090	20,335,905	3,010,185	14.8	(645,438)	(517,469)	(127,969)	24.7	0.2660	0.2404	0.0256	10.7
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	330,987,060	349,707,420	(18,720,360)	(5.4)	8,776,594	8,460,519	316,075	3.7	3.7712	4.1334	(0.3622)	(8.8)
20 WHOLESALE KWH SALES (EXCLUD NG STRAT FIED SALES)	(1,703,757)	(1,778,839)	75,083	(4.2)	(44,122)	(42,914)	(1,208)	2.8	3.8614	4.1451	(0.2837)	(6.8)
21 JURISDICTIONAL KWH SALES	329,283,304	347,928,581	(18,645,277)	(5.4)	8,732,471	8,417,605	314,866	3.7	3.7708	4.1333	(0.3625)	(8.8)
22 JURISDICTIONAL KWH SALES ADJUSTED FOR L NE LOSS - 1.00031	329,486,796	348,318,261	(18,831,464)	(5.4)	8,732,471	8,417,605	314,866	3.7	3.7731	4.1380	(0.3649)	(8.8)
23 PRIOR PERIOD TRUE-UP	24,437,972	24,437,973	(1)	0.0	8,732,471	8,417,605	314,866	3.7	0.2799	0.2903	(0.0104)	(3.6)
24 TOTAL JURISDICTIONAL FUEL COST	353,924,768	372,756,234	(18,831,466)	(5.1)	8,732,471	8,417,605	314,866	3.7	4.0530	4.4283	(0.3753)	(8.5)
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									4.0559	4.4315	(0.3756)	(8.5)
27 GP F	698,304	698,304			8,732,471	8,417,605			0.0080	0.0083	(0.0003)	103.8
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									4.064	4.440	(0.376)	(8.5)

*Line 15a. MWH Data for Infomational Purposes Only

DUKE ENERGY FLORIDA
CALCULATION OF TRUE-UP AND INTEREST PROVISION
MARCH 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	\$84,812,907	101,752,841	(\$16,939,934)	(16.7)	\$281,127,744	\$303,177,656	(\$22,049,912)	(7.3)
1a. COAL CAR SALE	-	0	0	0.0	0	0	0	0.0
2 . FUEL COST OF POWER SOLD	(39,917)	(53,111)	13,194	(24.8)	(1,485,921)	(837,709)	(648,212)	77.4
2a. GAIN ON POWER SALES	(43,512)	(12,787)	(30,725)	240.3	(1,732,387)	(201,698)	(1,530,689)	758.9
3 . FUEL COST OF PURCHASED POWER	8,846,730	9,406,303	(559,573)	(6.0)	25,031,296	12,884,179	12,147,117	94.3
3a. ENERGY PAYMENTS TO QUALIFYING FACILITIES	11,522,091	12,592,884	(1,070,793)	(8.5)	37,009,877	38,517,947	(1,508,070)	(3.9)
4 . ENERGY COST OF ECONOMY PURCHASES	853,758	236,699	617,059	260.7	3,399,593	470,454	2,929,139	622.6
5 . TOTAL FUEL & NET POWER TRANSACTIONS	105,952,058	123,922,829	(17,970,772)	(14.5)	343,350,202	354,010,829	(10,660,627)	(3.0)
6 . ADJUSTMENTS TO FUEL COST:								
6a. FUEL COST OF STRATIFIED SALES	(2,500,106)	(1,744,660)	(755,445)	43.3	(12,468,598)	(4,303,409)	(8,165,189)	189.7
6b. OTHER- JURISDICTIONAL ADJUSTMENTS (see detail below)	470	0	470	0.0	105,457	0	105,457	0.0
6c. OTHER - PRIOR PERIOD ADJUSTMENT	0	0	0	0.0	0	0	0	0.0
7 . ADJUSTED TOTAL FUEL & NET PWR TRNS	\$103,452,422	\$122,178,169	(\$18,725,747)	(15.3)	\$330,987,060	\$349,707,420	(\$18,720,360)	(5.4)

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)	470	0	470		1,510	0	1,510
N/A - Not used	0	0	0	0	0	0	0
TANK BOTTOM ADJUSTMENT	0	0	0	0	0	0	0
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	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	\$470	\$0	\$470		\$105,457	\$0	\$105,457

B. KWH SALES								
1 . JURISDICTIONAL SALES	2,939,587,072	2,657,929,523	281,657,549	10.6	8,732,471,234	8,417,604,939	314,866,295	3.7
2 . NON JURISDICTIONAL (WHOLESALE) SALES	14,028,324	11,652,000	2,376,324	20.4	44,122,368	42,914,000	1,208,368	2.8
3 . TOTAL SALES	2,953,615,396	2,669,581,523	284,033,873	10.6	8,776,593,602	8,460,518,939	316,074,663	3.7
4 . JURISDICTIONAL SALES % OF TOTAL SALES	99.53	99.56	(0.03)	(0.0)	99.50	99.49	0.01	0.0

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

	CURRENT MONTH				YEAR TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT
C. TRUE UP CALCULATION								
1. JURISDICTIONAL FUEL REVENUE	\$118,437,965	\$109,614,836	\$8,823,129	8.1	\$354,078,330	\$347,147,800	\$6,930,531	2.0
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	(24,437,972)	(24,437,973)	1	0.0
2b. NCENTIVE PROVISION	(232,768)	(232,768)	0	0.0	(698,304)	(698,304)	0	0.0
3. TOTAL JURISDICTIONAL FUEL REVENUE	110,059,206	101,236,077	8,823,129	8.7	328,942,055	322,011,523	6,930,532	2.2
4. ADJ TOTAL FUEL & NET PWR TRNS (L NE A7)	103,452,422	122,178,169	(18,725,747)	(15.3)	330,987,060	349,707,420	(18,720,360)	(5.4)
5. JURISDICTIONAL SALES % OF TOT SALES (L NE B4)	99.53	99.56	(0.03)	(0.0)	0.00	99.49	(99.49)	(100.0)
6. JURISDICTIONAL FUEL & NET POWER TRANSACTIONS (L NE C4 * LINE C5 * 1.00031 LOSS MULT PL ER)	102,998,115	121,776,823	(18,778,707)	(15.4)	329,486,796	348,318,261	(18,831,464)	(5.4)
7. TRUE UP PROVISION FOR THE MONTH OVER/(UNDER) COLLECTION (L NE C3 - C6)	7,061,091	(20,540,746)	27,601,836	(134.4)	(544,742)	(26,306,738)	25,761,996	(97.9)
8. NTEREST PROVISION FOR THE MONTH (L NE D10)	(283,996)	(162,742)	(121,253)	74.5	(832,696)	(488,804)	(343,892)	70.4
9. TRUE UP & INTEREST PROVISION BEG OF MONTH/PERIOD	(203,462,530)	(185,303,846)	(18,158,684)	9.8	(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	24,437,972	24,437,973	(1)	0.0
11. END OF PERIOD TOTAL NET TRUE UP (LINES C7 + C8 + C9 + C10)	(188,539,444)	(197,861,343)	9,321,899	(4.7)	(188,539,444)	(197,861,343)	9,321,899	(4.7)
12. OTHER:	0				0		0	
13. END OF PERIOD TOTAL NET TRUE UP (L NES C11 + C12)	(\$188,539,444)	(197,861,343)	9,321,899	(4.7)	(\$188,539,444)	(197,861,343)	9,321,899	(4.7)
D. NTEREST PROVISION								
1. BEGINNING TRUE UP (LINE C9)	(\$203,462,530)	N/A	--	--				
2. ENDING TRUE UP (LINES C7 + C9 + C10 + C12)	(188,255,449)	N/A	--	--				
3. TOTAL OF BEGINNING & END NG TRUE UP	(391,717,978)	N/A	--	--			NOT	
4. AVERAGE TRUE UP (50% OF L NE D3)	(195,858,989)	N/A	--	--				
5. NTEREST RATE - F RST DAY OF REPORTING MONTH	1.620	N/A	--	--				
6. NTEREST RATE - F RST DAY OF SUBSEQUENT MONTH	1.860	N/A	--	--				
7. TOTAL (L NE D5 + LINE D6)	3.480	N/A						
8. AVERAGE INTEREST RATE (50% OF L NE D7)	1.740	N/A	--	--				
9. MONTHLY AVERAGE INTEREST RATE (LINE D8/12)	0.145	N/A	--	--				
10. NTEREST PROVISION (LINE D4 * L NE D9)	(\$283,996)	N/A	--	--				

A-3 Generating System Comparative Data Report

Final

Duke Energy Florida, LLC

Report Period : 3/1/2018 to 3/1/2018

Run Date: 4/5/2018 5:33:43 PM

<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	581,356	245,658	335,698	136.7 %
3 - COAL	16,191,070	25,386,689	(9,195,619)	(36.2 %)
4 - GAS	68,040,481	76,120,494	(8,080,013)	(10.6 %)
5 - NUCLEAR	0	0	0	0.0 %
6	0	0	0	0.0 %
7	0	0	0	0.0 %
8 - TOTAL (\$)	84,812,907	101,752,841	(16,939,934)	(16.6 %)
SYSTEM NET GENERATION (MWH)				
9 - HEAVY OIL	0	0	0	0.0 %
10 - LIGHT OIL	2,186	9	2,177	24185.7 %
11 - COAL	474,387	732,615	(258,228)	(35.2 %)
12 - GAS	1,967,750	1,842,076	125,674	6.8 %
13 - NUCLEAR	0	0	0	0.0 %
14 - SOLAR	3,139	3,244	(105)	(3.2 %)
15	0	0	0	0.0 %
16 - TOTAL (MWH)	2,447,462	2,577,944	(130,482)	(5.1 %)
UNITS OF FUEL BURNED				
17 - HEAVY OIL (BBL)	0	0	0	0.0 %
18 - LIGHT OIL (BBL)	4,695	2,602	2,093	80.4 %
19 - COAL (TON)	219,054	344,891	(125,837)	(36.5 %)
20 - GAS (MCF)	15,516,363	14,308,985	1,207,378	8.4 %
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	27,063	15,163	11,900	78.5 %
26 - COAL	4,887,992	7,952,165	(3,064,173)	(38.5 %)
27 - GAS	15,863,006	14,308,985	1,554,021	10.9 %
28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (MILLION BTU)	20,778,062	22,276,313	(1,498,251)	(6.7 %)

A-3 Generating System Comparative Data Report

Final

Duke Energy Florida, LLC

Report Period : 3/1/2018 to 3/1/2018

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GENERATION MIX (% MWH)

32 - HEAVY OIL	0.0	0.00	0.0	0.0 %
33 - LIGHT OIL	0.1	0.00	0.1	25480.4 %
34 - COAL	19.4	28.42	(9.0)	(31.8 %)
35 - GAS	80.4	71.46	8.9	12.5 %
36 - NUCLEAR	0.0	0.00	0.0	0.0 %
37 - SOLAR	0.13	0.13	0.00	1.9 %
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)	123.82	94.41	29.41	31.2 %
42 - COAL (\$/TON)	73.91	73.61	0.31	0.4 %
43 - GAS (\$/MCF)	4.39	5.32	(0.93)	(17.6 %)
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	21.48	16.20	5.28	32.6 %
49 - COAL	3.31	3.19	0.12	3.8 %
50 - GAS	4.29	5.32	(1.03)	(19.4 %)
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)	4.08	4.57	(0.49)	(10.6 %)

BTU BURNED PER KWH (BTU/KWH)

55 - HEAVY OIL	0	0	0	0.0 %
56 - LIGHT OIL	12,382	1,684,778	(1,672,396)	(99.3 %)
57 - COAL	10,304	10,854	(551)	(5.1 %)
58 - GAS	8,061	7,768	294	3.8 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %
62 - SYSTEM (BTU/KWH)	8,490	8,641	(151)	(1.8 %)

A-3 Generating System Comparative Data Report

Final

Duke Energy Florida, LLC

Report Period : 3/1/2018 to 3/1/2018

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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	26.60	2,729.53	(2,702.94)	(99.0 %)
65 - COAL	3.41	3.47	(0.05)	(1.5 %)
66 - GAS	3.46	4.13	(0.67)	(16.3 %)
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)	3.47	3.95	(0.48)	(12.2 %)

A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Report Period : 1/1/2018 to 3/1/2018

Run Date: 4/5/2018 5:35:48 PM

<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	7,118,833	778,472	6,340,361	814.5 %
3 - COAL	67,392,248	74,359,343	(6,967,095)	(9.4 %)
4 - GAS	206,616,663	228,039,841	(21,423,178)	(9.4 %)
5 - NUCLEAR	0	0	0	0.0 %
6	0	0	0	0.0 %
7	0	0	0	0.0 %
8 - TOTAL (\$)	281,127,744	303,177,656	(22,049,912)	(7.3 %)
SYSTEM NET GENERATION (MWH)				
9 - HEAVY OIL	0	0	0	0.0 %
10 - LIGHT OIL	29,679	183	29,496	16118.1 %
11 - COAL	2,120,962	2,380,621	(259,659)	(10.9 %)
12 - GAS	6,061,408	5,620,300	441,108	7.8 %
13 - NUCLEAR	0	0	0	0.0 %
14 - SOLAR	7,564	8,063	(499)	(6.2 %)
15	0	0	0	0.0 %
16 - TOTAL (MWH)	8,219,613	8,009,167	210,446	2.6 %
UNITS OF FUEL BURNED				
17 - HEAVY OIL (BBL)	0	0	0	0.0 %
18 - LIGHT OIL (BBL)	62,715	8,507	54,208	637.2 %
19 - COAL (TON)	943,952	1,073,451	(129,499)	(12.1 %)
20 - GAS (MCF)	46,515,668	42,397,233	4,118,435	9.7 %
21 - NUCLEAR (MMBTU)	0	0	0	0.0 %
22	0	0	0	0.0 %
23	0	0	0	0.0 %
BTUS BURNED (MILLION BTU)				
24 - HEAVY OIL	0	0	0	0.0 %
25 - LIGHT OIL	364,652	49,557	315,095	635.8 %
26 - COAL	21,500,782	24,843,146	(3,342,364)	(13.5 %)
27 - GAS	47,529,330	42,397,233	5,132,097	12.1 %
28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (MILLION BTU)	69,394,763	67,289,936	2,104,827	3.1 %

A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Report Period : 1/1/2018 to 3/1/2018

Run Date: 4/5/2018 5:35:48 PM

GENERATION MIX (% MWH)

32 - HEAVY OIL	0.0	0.00	0.0	0.0 %
33 - LIGHT OIL	0.4	0.00	0.4	15702.9 %
34 - COAL	25.8	29.72	(3.9)	(13.2 %)
35 - GAS	73.7	70.17	3.6	5.1 %
36 - NUCLEAR	0.0	0.00	0.0	0.0 %
37 - SOLAR	0.09	0.10	(0.01)	(8.6 %)
38	0	0	0	0
39 - TOTAL (% MWH)	100	100	0	0.0 %

FUEL COST PER UNIT (\$)

40 - HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.0 %
41 - LIGHT OIL (\$/BBL)	113.51	91.51	22.00	24.0 %
42 - COAL (\$/TON)	71.39	69.27	2.12	3.1 %
43 - GAS (\$/MCF)	4.44	5.38	(0.94)	(17.4 %)
44 - NUCLEAR (\$/MBTU)	0.00	0.00	0.00	0.0 %
45	0.00	0.00	0.00	0.0 %
46	0.00	0.00	0.00	0.0 %

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

47 - HEAVY OIL	0.00	0.00	0.00	0.0 %
48 - LIGHT OIL	19.52	15.71	3.81	24.3 %
49 - COAL	3.13	2.99	0.14	4.7 %
50 - GAS	4.35	5.38	(1.03)	(19.2 %)
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)	4.05	4.51	(0.45)	(10.1 %)

BTU BURNED PER KWH (BTU/KWH)

55 - HEAVY OIL	0	0	0	0.0 %
56 - LIGHT OIL	12,286	270,803	(258,517)	(95.5 %)
57 - COAL	10,137	10,436	(298)	(2.9 %)
58 - GAS	7,841	7,544	298	3.9 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %
62 - SYSTEM (BTU/KWH)	8,443	8,402	41	0.5 %

A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Report Period : 1/1/2018 to 3/1/2018

Run Date: 4/5/2018 5:35:48 PM

GENERATED FUEL COST PER KWH (CENTS/KWH)

63 - HEAVY OIL	0.00	0.00	0.00	0.0 %
64 - LIGHT OIL	23.99	425.39	(401.41)	(94.4 %)
65 - COAL	3.18	3.12	0.05	1.7 %
66 - GAS	3.41	4.06	(0.65)	(16.0 %)
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)	3.42	3.79	(0.37)	(9.6 %)

A-4 System Net Generation and Fuel Cost Report

Report Period : 3/1/2018 to 3/1/2018

Duke Energy Florida, LLC

Run Date: 4/5/2018 5:34:32 PM

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													
TOTAL UNIT 1	4	700.00	24			0					0	0	0.000
Perry Solar Facility 1													
TOTAL UNIT 1	5	821.00	22			0					0	0	0.000
Suwanee Solar													
TOTAL UNIT 1	9	1,618.00	24			0					0	0	0.000
TOTAL Solar	18	3,139.00				0					0	0	0.000
Steam													
Anclote													
TOTAL UNIT 1	511	136,784.00	36			10,918	Gas	1,456,980	1.025	1,493,405	6,417,014	4.691	4.404
TOTAL UNIT 2	514	114,342.00	30			11,074	Gas	1,235,313	1.025	1,266,196	5,440,720	4.758	4.404
Crystal River 1 & 2													
TOTAL UNIT 1		0.00				0					0	0	0.000
TOTAL UNIT 2	448	66,819.72	20			13,225	Coal	39,342	22.278	876,461	3,852,312	5.765	97.919
		0.00					No 2	1,250	5.760	7,200	164,592	0.000	131.673
TOTAL UNIT 2	448	66,819.72	20			13,225				883,661	4,016,904	6.012	
Crystal River 4 & 5													
TOTAL UNIT 4	721	22,657.00	4			9,811	Coal	9,860	22.322	220,095	676,973	2.988	68.659
		0.00					No 2	379	5.757	2,182	49,914	0.000	131.699
TOTAL UNIT 4	721	22,657.00	4			9,811				222,277	726,887	3.208	
TOTAL UNIT 5	721	386,624.00	72			9,831	Coal	169,852	22.322	3,791,436	11,661,785	3.016	68.659
		0.00					No 2	1,616	5.757	9,304	212,825	0.000	131.699
TOTAL UNIT 5	721	386,624.00	72			9,831				3,800,740	11,874,610	3.071	
TOTAL Steam	2,915	727,227.00				10,542				7,666,278	28,476,135	4.000	

A-4 System Net Generation and Fuel Cost Report

Duke Energy Florida, LLC

Report Period : 3/1/2018 to 3/1/2018

Run Date: 4/5/2018 5:34:32 PM

(A) PLANT	(B) NET CAP (MW)	(C) NET GENERATION (MWH)	(D) CAP FAC (%)	(E) EQUIV AVAIL FAC(%)	(F) NET OUTPUT FAC(%)	(G) AVE NET HEAT RATE (BTU/KWH)	(H) FUEL TYPE	(I) FUEL BURN (UNITS)	(J) FUEL HEAT VALUE (MMBTU/UNI)	(K) FUEL BURNED (MMBTU)	(L) AS BURNED FUEL COST (\$)	(M) FUEL COST PER KWH	(N) FUEL COST PER UNIT
Gas Turbine													
Bartow Combined													
TOTAL BCC	1,197	535,332.00	60			8,470	Gas	4,441,227	1.021	4,534,493	20,219,702	3.777	4.553
		535,332.00								4,534,493	20,219,702	3.777	
Bartow Peaker													
		57.30					No 2	218	5.712	1,245	22,682	39.583	104.047
TOTAL BAP	170	132.70	0			21,731	Gas	2,816	1.024	2,884	12,400	9.345	4.403
		190.00								4,129	35,083	18.464	
Bayboro Peaker													
		33.70					No 2	108	5.712	617	15,537	46.105	143.864
TOTAL BYP	179	34.00	0			18,306				617	15,537	46.105	
Debary Peaker													
		57.55					No 2	306	5.761	1,763	35,458	61.607	115.875
TOTAL DEP	487	2.45	0			30,628	Gas	73	1.026	75	323	13.188	4.418
		60.00								1,838	35,780	59.634	
Higgins Peaker													
		79.10					Gas	2,291	1.025	2,348	10,083	12.747	4.401
TOTAL HGP	116	79.00	0			29,687				2,348	10,083	12.747	
Hines Energy													
TOTAL HEP	2,199	1,130,744.00	69			7,084	Gas	7,837,494	1.022	8,009,919	33,751,563	2.985	4.306
		1,130,744.00								8,009,919	33,751,563	2.985	
Intercession City													
		336.67					No 2	754	5.802	4,374	74,370	22.090	98.633
TOTAL ICP	948	16,245.11	2			12,993	Gas	205,930	1.025	211,078	941,753	5.797	4.573
		16,582.00								215,453	1,016,123	6.128	

A-4 System Net Generation and Fuel Cost Report

Duke Energy Florida, LLC

Report Period : 3/1/2018 to 3/1/2018

Run Date: 4/5/2018 5:34:32 PM

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/UNI)	FUEL BURNED (MMBTU)	AS BURNED FUEL COST (\$)	FUEL COST PER KWH	FUEL COST PER UNIT
Osprey													
TOTAL OSP	240	0.00	0			0	Gas	0	0.000	0	163	0.000	0.000
Suwannee Peaker													
TOTAL SRP	203	25.26 983.64 1,009.00	1			14,969	No 2 Gas	65 14,351	5.817 1.026	378 14,724 15,102	5,978 63,269 69,247	23.666 6.432 6.864	91.968 4.409
Tiger Bay Cogem													
TOTAL TBP	0	0.00	0			0	Gas	0	0.000	0	5,185	0.000	0.000
Univ of Florida													
TOTAL UFP	47	0.00 33,067.30 33,067.00	95			9,916	No 2 Gas	0 319,888	0.000 1.025	0 327,885 327,885	0 1,178,307 1,178,307	0.000 3.563 3.563	0.000 3.683
TOTAL Gas Turbine	5,786	1,717,097.00				7,636				13,111,783	56,336,772	3.281	
SYSTEM	8,719	2,447,462.50				8,490				20,778,062	84,812,906	3.465	

A-4 System Net Generation and Fuel Cost Report

Report Period : 1/1/2018 to 3/1/2018

Duke Energy Florida, LLC

Run Date: 4/5/2018 5:36:10 PM

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													
TOTAL UNIT 1	4	1,755.00	20			0				0	0	0.000	
Perry Solar Facility 1													
TOTAL UNIT 1	5	1,478.00	14			0				0	0	0.000	
Suwanee Solar													
TOTAL UNIT 1	9	4,331.00	22			0				0	0	0.000	
TOTAL Solar	18	7,564.00				0				0	0	0.000	
Steam													
Anclote													
		339,230.00					Gas	3,626,957	1.024	3,714,244	19,065,015	5.620	5.256
TOTAL UNIT 1	511	339,230.00	31			10,949				3,714,244	19,065,015	5.620	
		217,503.00					Gas	2,372,065	1.024	2,429,410	12,165,329	5.593	5.129
TOTAL UNIT 2	514	217,503.00	20			11,170				2,429,410	12,165,329	5.593	
Crystal River 1 & 2													
		99,401.00					Coal	50,272	22.840	1,148,211	4,899,718	4.929	97.464
		0.00					No 2	1,449	5.747	8,327	188,355	0.000	129.990
TOTAL UNIT 1	332	99,401.00	14			11,635				1,156,538	5,088,073	5.119	
		139,425.86					Coal	80,207	22.523	1,806,469	7,853,427	5.633	97.914
		0.00					No 2	3,728	5.748	21,429	489,069	0.000	131.188
TOTAL UNIT 2	448	139,425.86	14			13,110				1,827,898	8,342,496	5.983	
Crystal River 4 & 5													
		757,544.00					Coal	325,692	22.915	7,463,255	21,757,871	2.872	66.805
		0.00					No 2	2,763	5.759	15,913	361,303	0.000	130.765
TOTAL UNIT 4	721	757,544.00	49			9,873				7,479,168	22,119,173	2.920	
		1,130,610.00					Coal	487,781	22.721	11,082,847	32,881,232	2.908	67.410
		0.00					No 2	3,674	5.759	21,158	481,852	0.000	131.152
TOTAL UNIT 5	721	1,130,610.00	73			9,821				11,104,005	33,363,084	2.951	
TOTAL Steam	2,915	2,683,714.00				10,326				27,711,263	100,143,170	4.000	

A-4 System Net Generation and Fuel Cost Report

Duke Energy Florida, LLC

Report Period : 1/1/2018 to 3/1/2018

Run Date: 4/5/2018 5:36:10 PM

(A) PLANT	(B) NET CAP (MW)	(C) NET GENERATION (MWH)	(D) CAP FAC (%)	(E) EQUIV AVAIL FAC(%)	(F) NET OUTPUT FAC(%)	(G) AVE NET HEAT RATE (BTU/KWH)	(H) FUEL TYPE	(I) FUEL BURN (UNITS)	(J) FUEL HEAT VALUE (MMBTU/UNI)	(K) FUEL BURNED (MMBTU)	(L) AS BURNED FUEL COST (\$)	(M) FUEL COST PER KWH	(N) FUEL COST PER
Gas Turbine													
Avon Park Peaker													
		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	
Bartow Combined													
TOTAL BCC	1,197	1,662,495.00	64			7,919	Gas	12,897,780	1.021	13,164,887	54,962,631	3.306	4.261
		1,662,495.00								13,164,887	54,962,631	3.306	
Bartow Peaker													
		166.55					No 2	460	5.712	2,628	47,862	28.737	104.047
		769.45					Gas	11,862	1.023	12,139	66,706	8.669	5.623
TOTAL BAP	223	936.00	0			15,776				14,766	114,568	12.240	
Bayboro Peaker													
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	
Debary Peaker													
		3,465.86					No 2	7,967	5.772	45,985	923,174	26.636	115.875
		13.14					Gas	170	1.025	174	878	6.682	5.163
TOTAL DEP	487	3,479.00	0			13,268				46,160	924,052	26.561	
Higgins Peaker													
TOTAL HGP	116	1,497.50	1			18,673	Gas	27,330	1.023	27,963	162,020	10.819	5.928
		1,498.00								27,963	162,020	10.819	
Hines Energy													
TOTAL HEP	2,199	3,218,856.00	68			7,139	Gas	22,490,783	1.022	22,978,763	99,149,073	3.080	4.408
		3,218,856.00								22,978,763	99,149,073	3.080	
Intercession City													
		13,781.59					No 2	30,038	5.801	176,764	2,935,670	21.301	96.349
		58,098.91					Gas	726,707	1.025	745,182	3,012,796	5.186	4.146
TOTAL ICP	1,109	71,880.00	3			12,826				921,946	5,948,466	8.275	

A-4 System Net Generation and Fuel Cost Report

Duke Energy Florida, LLC

Report Period : 1/1/2018 to 3/1/2018

Run Date: 4/5/2018 5:36:10 PM

A) PLANT	(B) NET CAP (MW)	(C) NET GENERATION (MWH)	(D) CAP FAC (%)	(E) EQUIV AVAIL FAC(%)	(F) NET OUTPUT FAC(%)	(G) AVE NET HEAT RATE (BTU/KWH)	(H) FUEL TYPE	(I) FUEL BURN (UNITS)	(J) FUEL HEAT VALUE (MMBTU/UNI)	(K) FUEL BURNED (MMBTU)	(L) AS BURNED FUEL COST (\$)	(M) FUEL COST PER KWH	(N) FUEL COST PER
Osprey													
TOTAL OSP	600	197,661.00	15			7,258	Gas	1,405,088	1.021	1,434,576	5,385,901	2.725	3.833
Suwannee Peaker													
TOTAL SRP	203	5,382.00	1			14,347	No 2 Gas	2,508 61,123	5.817 1.024	14,589 62,619	230,655 343,574	22.682 7.872	91.968 5.621
Tiger Bay Cogem													
TOTAL TBP	231	264,033.00	53			7,451	Gas	1,927,582	1.021	1,967,304	7,855,858	2.975	4.075
Univ of Florida													
TOTAL UFP	47	97,760.80	96			10,147	No 2 Gas	0 968,115	0.000 1.025	0 991,961	0 4,446,296	0.000 4.548	0.000 4.593
TOTAL Gas Turbine	6,700	5,528,336.00				7,540				41,683,500	180,984,573	3.274	
SYSTEM TOTAL	9,633	8,219,613.56				8,443				69,394,763	281,127,743	3.420	

A-5 System Generation Fuel Cost Report

Duke Energy Florida, LLC

Final

Report Period : 3/1/2018 to 3/1/2018

Run Date: 4/5/2018 5:34:55 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)	(1,533)	2,602	(4,135)	(158.9%)
20 - UNIT COST (\$/BBL)	1.39	94.41	(93.02)	(98.5%)
21 - AMOUNT (\$)	(2,132)	245,658	(247,790)	(100.9%)
22 - BURNED				
23 - UNITS (BBL)	4,695	2,602	2,093	80.4%
24 - UNIT COST (\$/BBL)	123.82	94.41	29.41	31.2%
25 - AMOUNT (\$)	581,356	245,658	335,698	136.7%
26 - ADJUSTMENTS				
27 - UNITS (BBL)	(67,218)			
28 - AMOUNT (\$)	(8,946,080)			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	750,757	907,649	(81,670)	(9.0%)
31 - UNIT COST (\$/BBL)	99.58	111.22	(11.64)	(10.5%)
32 - AMOUNT (\$)	82,252,517	100,950,380	(18,697,863)	(18.5%)
33 -				
34 - DAYS SUPPLY	5,454	10,465	(5,011)	(47.9%)

A-5 System Generation Fuel Cost Report

Duke Energy Florida, LLC

Final

Report Period : 3/1/2018 to 3/1/2018

Run Date: 4/5/2018 5:34:55 PM

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	326,553	344,891	(18,338)	(5.3%)
37 - UNIT COST (\$/TON)	75.28	73.61	1.67	2.3%
38 - AMOUNT (\$)	24,582,079	25,386,689	(804,610)	(3.2%)
39 - BURNED				
40 - UNITS (TON)	219,054	344,891	(125,837)	(36.5%)
41 - UNIT COST (\$/TON)	73.91	73.61	0.31	0.4%
42 - AMOUNT (\$)	16,191,070	25,386,689	(9,195,619)	(36.2%)
43 - ADJUSTMENTS				
44 - UNITS (TON)	0			
45 - AMOUNT (\$)	0			
46 - ENDING INVENTORY				
47 - UNITS (TON)	873,715	826,945	46,770	5.7%
48 - UNIT COST (\$/TON)	76.48	73.61	2.87	3.9%
49 - AMOUNT (\$)	66,821,375	60,869,685	5,951,690	9.8%
50 -				
51 - DAYS SUPPLY	124	72	52	71.9%
GAS				
52 - BURNED				
53 - UNITS (MCF)	15,516,363	14,308,985	1,207,378	8.4%
54 - UNIT COST (\$/MCF)	4.39	5.32	(0.93)	(17.6%)
55 - AMOUNT (\$)	68,040,481	76,120,494	(8,080,013)	(10.6%)
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 3/1/2018

Run Date: 4/5/2018 5:36:31 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)	56,603	8,507	48,096	565.4%
20 - UNIT COST (\$/BBL)	121.37	91.51	29.86	32.6%
21 - AMOUNT (\$)	6,869,905	778,472	6,091,433	782.5%
22 - BURNED				
23 - UNITS (BBL)	62,715	8,507	54,208	637.2%
24 - UNIT COST (\$/BBL)	113.51	91.51	22.00	24.0%
25 - AMOUNT (\$)	7,118,833	778,472	6,340,361	814.5%
26 - ADJUSTMENTS				
27 - UNITS (BBL)	(67,218)			
28 - AMOUNT (\$)	(8,946,080)			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	750,757	907,649	(81,670)	(9.0%)
31 - UNIT COST (\$/BBL)	99.58	111.22	(11.64)	(10.5%)
32 - AMOUNT (\$)	82,252,517	100,950,380	(18,697,863)	(18.5%)
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 3/1/2018

Run Date: 4/5/2018 5:36:31 PM

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	900,245	1,073,451	(173,206)	(16.1%)
37 - UNIT COST (\$/TON)	72.46	69.27	3.19	4.6%
38 - AMOUNT (\$)	65,234,473	74,359,343	(9,124,870)	(12.3%)
39 - BURNED				
40 - UNITS (TON)	943,952	1,073,451	(129,499)	(12.1%)
41 - UNIT COST (\$/TON)	71.39	69.27	2.12	3.1%
42 - AMOUNT (\$)	67,392,248	74,359,343	(6,967,095)	(9.4%)
43 - ADJUSTMENTS				
44 - UNITS (TON)	0			
45 - AMOUNT (\$)	0			
46 - ENDING INVENTORY				
47 - UNITS (TON)	873,715	826,945	46,770	5.7%
48 - UNIT COST (\$/TON)	76.48	73.61	2.87	3.9%
49 - AMOUNT (\$)	66,821,375	60,869,685	5,951,690	9.8%
50 -				
51 - DAYS SUPPLY	0	0	0	0.0%
GAS				
52 - BURNED				
53 - UNITS (MCF)	46,515,668	42,397,233	4,118,435	9.7%
54 - UNIT COST (\$/MCF)	4.44	5.38	(0.94)	(17.4%)
55 - AMOUNT (\$)	206,616,663	228,039,841	(21,423,178)	(9.4%)
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%

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

HEAVY OIL		
UNITS	AMOUNT	ADJUSTMENTS EXPLANATION
0	\$0.00	TOTAL

LIGHT OIL		
UNITS	AMOUNT	ADJUSTMENTS EXPLANATION
(67,218)	(\$8,946,080.02)	Adjustment to remove light oil held at a third-party terminal, which was inadvertently included in DEF's previous A5 light oil balance. This adjustment does not impact DEF's fuel expense or the Fuel True-Up balance.
(67,218)	(\$8,946,080.02)	TOTAL

COAL		
UNITS	AMOUNT	ADJUSTMENTS EXPLANATION
0	\$ -	TOTAL

Duke Energy Florida, LLC.
Schedule A6
Power Sold for the Month of
March 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		1,397		1,397	3,803	4,718	53,111	65,898	12,787
ACTUAL									
Exelon Generation Company, LLC	InternationalSwapsDe	446		446	2,732	4,736	12,183.56	21,123.80	8,940.24
Tampa Electric Company	CR-1	900		900	3,082	6,035	27,733.90	54,314.06	26,580.16
ADJUSTMENTS									
PJM Settlements								7,978.70	7,978.70
Midcontinent Independent System Operator, Inc.								12.47	12.47
Subtotal - Gain on Other Power Sales		1,346		1,346	2,966	6,198	39,917.46	83,429.03	43,511.57
CURRENT MONTH TOTAL		1,346		1,346	2,966	6,198	39,917.46	83,429.03	43,511.57
DIFFERENCE		(51)		(51)	(0,837)	1,480	(13,193.54)	17,531.03	30,724.57
DIFFERENCE %		(4)		(4)	(22,020)	31,380	(24,84)	26.60	240.28
CUMULATIVE ACTUAL		29,929		29,929	4,965	10,753	1,485,920.84	3,218,307.49	1,732,386.65
CUMULATIVE EST MATED		21,596		21,596	3,879	4,813	837,709.00	1,039,407.00	201,698.00
DIFFERENCE		8,333		8,333	1,086	5,940	648,211.84	2,178,900.49	1,530,688.65
DIFFERENCE %		38.590		38.590	27.990	123.420	77.38	209.63	758.90

DUKE ENERGY FLORIDA, INC.
SCHEDULE A7

PURCHASED POWER
EXCLUSIVE OF ECONOMY PURCHASES
FOR THE MONTH OF:
MARCH, 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		231,296			231,296	4.067	4.067	9,406,303	9,406,303
ACTUAL									
Shady Hills Power Company, L.L.C.	TOLL	23,986			23,986	5.425	5.425	1,301,277.75	1,301,277.75
Southern Company Services, Inc.	Franklin	160,884			160,884	3.046	3.046	4,900,701.68	4,900,701.68
Vandolah Power Company L.L.C.	TOLL	46,477			46,477	5.554	5.554	2,581,449.95	2,581,449.95
ADJUSTMENTS									
Shady Hills Power Company, L.L.C.	TOLL	660			660	2.610	2.610	17,226.30	17,226.30
Southern Power Company	Franklin							8,358.32	8,358.32
Vandolah Power Company L.L.C.	TOLL	1,480			1,480	2.548	2.548	37,716.17	37,716.17
CURRENT MONTH TOTAL		233,487			233,487	3.789	3.789	8,846,730.17	8,846,730.17
DIFFERENCE		2,191			2,191	(0.278)	(0.278)	(559,572.83)	(559,572.83)
DIFFERENCE %		0.95			0.95	(6.836)	(6.836)	(5.95)	(5.95)
CUMULATIVE ACTUAL		507,570			507,570	4.930	4.930	25,031,296.14	25,031,296.14
CUMULATIVE ESTIMATED		313,999			313,999	4.100	4.100	12,884,179.00	12,884,179.00
DIFFERENCE		193,571			193,571	0.83	0.83	12,147,117.14	12,147,117.14
DIFFERENCE %		62			62	20.187	20.187	94.28	94.28

DUKE ENERGY FLORIDA, LLC
SCHEDULE A8

ENERGY PAYMENT TO QUALIFYING FACILITIES
FOR THE MONTH OF:
MARCH, 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 \$
EST MATED		269,839			269,839	5	14.018	12,592,884.47
ACTUAL								
Citrus World (CITRUS) ADJ	CO-GEN	68 (5)			68 (5)	2	2.213	1,512.85 (1,339.28)
Florida Power Development (FCRUSHAS) ADJ	CO-GEN	60			60	3	3.444	2,066.40
Florida Power Development (FLACRUSH) ADJ	CO-GEN	32,084			32,084	8	7.753	2,487,480.99 82.29
Lake County (LAKCOUNT) ADJ	CO-GEN	946			946	2	2.380	22,517.04 (7,191.20)
Lee County (LEECOGAS) ADJ	CO-GEN	22,809 3,244			22,809 3,244	2	2.469	563,235.16 2,555.97
Metro-Dade County (METRDADE) ADJ	CO-GEN							
Metro-Dade County (METRDDAS) ADJ	CO-GEN	13,278			13,278	2	2.460	326,595.36 (43,668.44)
Orange Cogen (ORANGEAS) ADJ	CO-GEN	1,345			1,345	2	2.316	31,153.98 (63,101.12)
Orange Cogen (ORANGECO) ADJ	CO-GEN	38,000			38,000	4	4.160	1,580,800.00 6,664.07
Orlando Cogen Limited (ORLACOGL) ADJ	CO-GEN	72,189			72,189	5	5.377	3,881,501.44 (33,299.36)
Orlando Cogen Limited (ORLCOGAS) ADJ	CO-GEN							
Pasco County Resource Recovery (PASCOUNT) ADJ	CO-GEN	13,404			13,404	2	2.371	317,799.93 (67,544.36)
PCS Phosphate (OCSWFCRK) ADJ	CO-GEN							
Pinellas County Resource Recovery (PINCOUNT) ADJ	CO-GEN	(29) 31,812			(29) 31,812	2	2.370	(719.17) 753,866.09 (156,040.90)
Polk Power Partners, L.P. (MULBERRY) ADJ	CO-GEN	35,299			35,299	3	2.625	926,598.75 (223,945.70)
Wheelabrator Ridge Energy, Inc. (RIDGEGEN) ADJ	CO-GEN	20,951			20,951	6	5.556	1,164,037.56 50,473.12
CURRENT MONTH TOTAL		285,455			285,455	4	4.036	11,522,091.45
DIFFERENCE		15,616			15,616	(1)	(9.981)	(1,070,793.02)
DIFFERENCE %		6			6	(14)	(247.278)	(8.50)
CUMULATIVE ACTUAL		838,310			838,310	4	4.415	37,009,876.63
CUMULATIVE ESTIMATED		861,242			861,242	4	4.472	38,517,947.09
CUMULATIVE DIFFERENCE		(22,932)			(22,932)	(0)	(0.058)	(1,508,070.46)
CUMULATIVE DIFFERENCE %		(3)			(3)	(1)	(1.287)	(3.92)

DUKE ENERGY FLORIDA, LLC
SCHEDULE A9

ECONOMY ENERGY PURCHASES
INCLUDING LONG TERM PURCHASES
FOR THE MONTH OF:
MARCH, 2018

(1) PURCHASED FROM	(2) TYPE & SCHEDULE	(3) TOTAL KWH PURCHASED (000)	(4) ENERGY COST C/KWH	(5) TOTAL AMOUNT FOR FUEL ADJ \$	(6) COST IF GENERATED C/KWH	(7) COST IF GENERATED \$	(8) FUEL SAVINGS \$
ESTIMATED		5,384	4.396	236,699	5.616	302,354	65,655
ACTUAL:							
SEPA	Hydro	3,739	3.499	130,833.73	3.499	130,833.73	
Exelon Generation Company, LLC	InternationalSwapsDe	3,141	2.598	81,598.00	3.312	104,041.99	22,443.99
Florida Power & Light Company	Transmission Purchase			7,840.00			(7,840.00)
Florida Power & Light Company		15,920	3.267	520,120.00	3.544	564,146.00	44,026.00
Midcontinent Independent System Operator, Inc.	Transmission Purchase			23.26			(23.26)
Southern Company Services, Inc.	EE1	1,380	3.314	45,738.00	4.145	57,194.14	11,456.14
Tampa Electric Company	EEI2	2,770	3.278	90,800.00	3.778	104,645.60	13,845.60
ADJUSTMENTS							
Florida Power & Light				245.00			(245.00)
Midcontinent Independent System Operator, Inc.	Transmission Purchase			\$12.47			(12.47)
Southern Company Services	Transmission Purchase			(29,021.61)			29,021.61
Duke Energy Transmission				3,222.67			(3,222.67)
Tampa Electric				2,719.46			2,719.46
PJM Settlements				(1,308.92)			1,308.92
Duke Energy Progress				936.00			(936.00)
SubTotal - Energy Purchases (Non-Broker)		26,950	3.168	853,758.06	3.565	960,861.46	107,103.40
CURRENT MONTH TOTAL		26,950	3.168	853,758.06	3.565	960,861.46	107,103.40
DIFFERENCE		21,566	(1.228)	617,059.06	(2.051)	658,507.46	41,448.40
DIFFERENCE %		401	(27.936)	260.69	(36.514)	217.79	63.13
CUMULATIVE ACTUAL		61,736	5.507	3,399,592.93	7.366	4,547,237.33	1,147,644.40
CUMULATIVE EST MATED		10,808	4.353	470,454.00	5.560	600,960.00	130,506.00
DIFFERENCE		50,928	1.154	2,929,138.93	1.805	3,946,277.33	1,017,138.40
DIFFERENCE %		471	26.508	622.62	32.467	656.66	779.38

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	5,071,563.76	5,590,987.39	5,331,275.57	-	-	-	-	-	-	-	-	-	15,993,826.72
2 Orlando Cogen Limited (ORLACOGL)	QF	79.2	9/1/93 - 12/31/23	5,025,789.37	5,514,456.79	5,302,972.29	-	-	-	-	-	-	-	-	-	15,843,218.45
3 Pasco County Resource Recovery (PASCOUNT)	QF	23	1/1/95 - 12/31/24	1,784,800.00	2,011,580.00	1,898,190.00	-	-	-	-	-	-	-	-	-	5,694,570.00
4 Pinellas County Resource Recovery (PINCOUNT)	QF	54.75	1/1/95 - 12/31/24	4,248,600.00	4,788,435.00	4,518,517.50	-	-	-	-	-	-	-	-	-	13,555,552.50
5 Polk Power Partners, L.P. (MULBERRY)	QF	115	8/1/94 - 8/8/24	6,965,674.70	7,676,458.54	7,321,066.27	-	-	-	-	-	-	-	-	-	21,963,199.51
6 Wheelabrator Ridge Energy, Inc. (RIDGEGEN)	QF	39.6	8/1/94 - 12/31/23	765,871.72	790,759.89	798,927.31	-	-	-	-	-	-	-	-	-	2,355,558.92
7 Southern purchase - Franklin	Other	425	6/1/16 - 5/31/21	4,609,956.81	4,467,756.14	2,685,102.70	-	-	-	-	-	-	-	-	-	11,762,815.65
8 Retail Wheeling				(82,002.83)	(2,819.40)	(5,893.68)	-	-	-	-	-	-	-	-	-	(90,715.91)
9 CR-3 Projected Expense				4,290,186.00	4,261,861.00	4,233,534.00	-	-	-	-	-	-	-	-	-	12,785,581.00
10 ISFSI Return				677,047.39	628,286.77	579,175.28	-	-	-	-	-	-	-	-	-	1,884,509.44
SUBTOTAL				33,357,486.92	35,727,762.12	32,662,867.24	-	-	-	-	-	-	-	-	-	101,748,116.28

Confidential Capacity Contracts (Aggregated):

Purchases/Sales (Net)	Other	MW	Contracts	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
Total		1176.25	4	6,240,425.05	6,374,970.51	5,301,439.23	-	-	-	-	-	-	-	-	-	17,916,834.80
TOTAL				39,597,912	42,102,733	37,964,306	0	0	0	0	0	0	0	0	0	119,664,951