



Matthew R. Bernier
ASSOCIATE GENERAL COUNSEL

March 20, 2019

VIA ELECTRONIC FILING

Adam Teitzman, Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

Re: Docket No. 20190001-EI

Dear Mr. Teitzman:

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 February, 2019.

Thank you for your assistance in this matter. Please feel free to call me at (850) 521-1428 should you have any questions concerning this filing.

Sincerely,

/s/ Matthew R. Bernier

Matthew R. Bernier

MRB/cm
Attachments

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true copy of Duke Energy Florida, LLC's Schedules A1-A9 and A12 for the month of February 2019 have been furnished to the following individuals via e-mail on this 20th day of March, 2019.

/s/ Matthew R. Bernier
Attorney

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DUKE ENERGY FLORIDA
FUEL AND PURCHASED POWER

FEBRUARY 2019

	\$				MWH				CENTS/KWH			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
1 FUEL COST OF SYSTEM NET GENERATION (SCH A3)	82,327,645	94,009,386	(11,681,741)	(12.4)	2,508,335	2,662,527	(154,192)	(5.8)	3.2822	3.5308	(0.2486)	(7.0)
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	1,239,369	1,205,895	33,474	2.8	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	83,567,014	95,215,281	(11,648,267)	(12.2)	2,508,335	2,662,527	(154,192)	(5.8)	3.3316	3.5761	(0.2445)	(6.8)
5 ENERGY COST OF PURCHASED POWER - F RM (SCH A7)	2,648,955	347,190	2,301,765	663.0	50,417	6,668	43,749	656.1	5.2541	5.2069	0.0472	0.9
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)	240,158	57,823	182,335	315.3	7,957	1,385	6,572	474.6	3.0182	4.1752	(1.1570)	(27.7)
8 PAYMENTS TO QUAL FYING FAC LITIES (SCH A8)	7,601,725	10,273,495	(2,671,770)	(26.0)	195,731	247,051	(51,321)	(20.8)	3.8838	4.1584	(0.2746)	(6.6)
9 TOTAL COST OF PURCHASED POWER	10,490,838	10,678,508	(187,670)	(1.8)	254,105	255,104	(999)	(0.4)	4.1285	4.1859	(0.0574)	(1.4)
10 TOTAL AVA LABLE MWH					2,762,440	2,917,631	(155,191)	(5.3)				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(37,098)	(537,941)	500,843	(93.1)	(1,758)	(15,778)	14,020	(88.9)	2.1103	3.4095	(1.2992)	(38.1)
11a GA N ON OTHER POWER SALES - 100% (SCH A6)	58,390	(149,633)	208,023	(139.0)	(1,758)	(15,778)	14,020	(88.9)	(3.3214)	0.9484	(4.2698)	(450.2)
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	(1,499,837)	(1,020,082)	(479,755)	47.0	(90,455)	(73,752)	(16,703)	22.7	1.6581	1.3831	0.2750	19.9
13 TOTAL FUEL COST AND GAINS ON POWER SALES	(1,478,546)	(1,707,656)	229,110	(13.4)	(92,213)	(89,530)	(2,684)	3.0	1.6034	1.9074	(0.3040)	(15.9)
14 NET INADVERTENT AND WHEELED NTERCHANGE					14,474	0	14,474					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	92,579,306	104,186,133	(11,606,827)	(11.1)	2,684,701	2,828,102	(143,401)	(5.1)	3.4484	3.6840	(0.2356)	(6.4)
16 NET UNB LLED	(10,680,774)	(8,047,500)	(2,633,274)	32.7	309,731	218,447	91,284	41.8	(0.3901)	(0.2796)	(0.1105)	39.5
17 COMPANY USE	702,231	468,013	234,218	50.1	(20,364)	(12,704)	(7,660)	60.3	0.0256	0.0163	0.0093	57.1
18 T & D LOSSES	8,147,371	5,734,452	2,412,919	42.1	(236,265)	(155,660)	(80,605)	51.8	0.2976	0.1992	0.0984	49.4
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	92,579,306	104,186,133	(11,606,827)	(11.1)	2,737,803	2,878,185	(140,382)	(4.9)	3.3815	3.6199	(0.2384)	(6.6)
20 WHOLESALE KWH SALES (EXCLUD NG STRAT FIED SALES)	(629,539)	(458,419)	(171,120)	37.3	(18,678)	(12,607)	(6,071)	48.2	3.3706	3.6364	(0.2658)	(7.3)
21 JURISDICTIONAL KWH SALES	91,949,767	103,727,714	(11,777,947)	(11.4)	2,719,126	2,865,578	(146,453)	(5.1)	3.3816	3.6198	(0.2382)	(6.6)
22 JURISDICTIONAL KWH SALES ADJUSTED FOR L NE LOSS - 1.00034	91,981,029	103,759,869	(11,778,840)	(11.4)	2,719,126	2,865,578	(146,453)	(5.1)	3.3827	3.6209	(0.2382)	(6.6)
23 PRIOR PERIOD TRUE-UP	12,370,910	12,370,910	(0)	0.0	2,719,126	2,865,578	(146,453)	(5.1)	0.4550	0.4317	0.0233	5.4
24 TOTAL JURISDICTIONAL FUEL COST	104,351,939	116,130,779	(11,778,840)	(10.1)	2,719,126	2,865,578	(146,453)	(5.1)	3.8377	4.0526	(0.2149)	(5.3)
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									3.8405	4.0555	(0.2150)	(5.3)
27 GP F	(191,794)	(191,794)			2,719,126	2,865,578			(0.0071)	(0.0067)	(0.0004)	6.0
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									3.833	4.049	(0.215)	(5.3)

*Line 11a. MWH Data for Infomational Purposes Only
*Lines 16, 17 and 18. \$ Data for Informational Purposes Only

DUKE ENERGY FLORIDA
FUEL AND PURCHASED POWER
COST RECOVERY CLAUSE CALCULATION
YEAR TO DATE - FEBRUARY 2019

	\$				MWH				CENTS/KWH			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
1 FUEL COST OF SYSTEM NET GENERATION (SCH A3)	192,304,609	202,904,829	(10,600,220)	(5.2)	5,421,329	5,720,872	(299,543)	(5.2)	3.5472	3.5467	0.0005	0.0
2 COAL CAR SALE	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
3 ADJUSTMENTS TO FUEL COST - MISCELLANEOUS	2,573,762	2,417,807	155,954	6.5	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	194,878,371	205,322,636	(10,444,265)	(5.1)	5,421,329	5,720,872	(299,543)	(5.2)	3.5947	3.5890	0.0057	0.2
5 ENERGY COST OF PURCHASED POWER - F RM (SCH A7)	6,358,913	1,269,740	5,089,173	400.8	133,515	25,747	107,768	418.6	4.7627	4.9316	(0.1689)	(3.4)
6 ENERGY COST OF SCH C,X ECONOMY PURCH - BROKER (SCH A9)	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
7 ENERGY COST OF ECONOMY PURCH - NON-BROKER (SCH A9)	424,440	178,695	245,745	137.5	12,529	4,392	8,137	185.3	3.3877	4.0685	(0.6808)	(16.7)
8 PAYMENTS TO QUAL FYING FAC LITIES (SCH A8)	18,509,882	21,891,835	(3,381,953)	(15.5)	444,960	522,928	(77,968)	(14.9)	4.1599	4.1864	(0.0265)	(0.6)
9 TOTAL COST OF PURCHASED POWER	25,293,235	23,340,270	1,952,965	8.4	591,004	553,067	37,937	6.9	4.2797	4.2202	0.0595	1.4
10 TOTAL AVA LABLE MWH					6,012,333	6,273,939	(261,606)	(4.2)				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(723,636)	(2,192,723)	1,469,087	(67.0)	(25,493)	(58,584)	33,091	(56.5)	2.8386	3.7429	(0.9043)	(24.2)
11a GA N ON OTHER POWER SALES - 100% (SCH A6)	(234,591)	(609,924)	375,333	(61.5)	(25,493)	(58,584)	33,091	(56.5)	0.9202	1.0411	(0.1209)	(11.6)
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	(3,620,329)	(2,695,476)	(924,852)	34.3	(184,722)	(177,871)	(6,851)	3.9	1.9599	1.5154	0.4445	29.3
13 TOTAL FUEL COST AND GAINS ON POWER SALES	(4,578,556)	(5,498,123)	919,568	(16.7)	(210,215)	(236,455)	26,240	(11.1)	2.1780	2.3252	(0.1472)	(6.3)
14 NET INADVERTENT AND WHEELED NTERCHANGE					28,056	0	28,056					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	215,593,050	223,164,783	(7,571,732)	(3.4)	5,830,174	6,037,485	(207,311)	(3.4)	3.6979	3.6963	0.0016	0.0
16 NET UNBILLED	(7,878,970)	(4,813,221)	(3,065,749)	63.7	213,067	131,204	81,863	62.4	(0.1452)	(0.0829)	(0.0623)	75.2
17 COMPANY USE	1,478,542	1,071,332	407,210	38.0	(39,983)	(28,978)	(11,005)	38.0	0.0272	0.0184	0.0088	47.8
18 T & D LOSSES	21,294,522	12,274,811	9,019,711	73.5	(575,857)	(332,083)	(243,774)	73.4	0.3924	0.2114	0.1810	85.6
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	215,593,050	223,164,783	(7,571,732)	(3.4)	5,427,401	5,807,628	(380,227)	(6.6)	3.9723	3.8426	0.1297	3.4
20 WHOLESALE KWH SALES (EXCLUD NG STRAT FIED SALES)	(1,527,540)	(1,219,882)	(307,657)	25.2	(38,281)	(31,392)	(6,889)	22.0	3.9903	3.8860	0.1043	2.7
21 JURISDICTIONAL KWH SALES	214,065,511	221,944,900	(7,879,389)	(3.6)	5,389,119	5,776,236	(387,117)	(6.7)	3.9722	3.8424	0.1298	3.4
22 JURISDICTIONAL KWH SALES ADJUSTED FOR L NE LOSS - 1.00034	214,134,630	222,013,703	(7,879,074)	(3.6)	5,389,119	5,776,236	(387,117)	(6.7)	3.9735	3.8436	0.1299	3.4
23 PRIOR PERIOD TRUE-UP	24,741,819	24,741,820	(1)	0.0	5,389,119	5,776,236	(387,117)	(6.7)	0.4591	0.4283	0.0308	7.2
24 TOTAL JURISDICTIONAL FUEL COST	238,876,449	246,755,523	(7,879,074)	(3.2)	5,389,119	5,776,236	(387,117)	(6.7)	4.4326	4.2719	0.1607	3.8
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									4.4358	4.2750	0.1608	3.8
27 GP F	(383,588)	(383,588)			5,389,119	5,776,236			(0.0071)	(0.0066)	(0.0005)	93.0
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									4.429	4.268	0.160	3.8

*Line 11a. MWH Data for Infomational Purposes Only
*Lines 16, 17 and 18. \$ Data for Informational Purposes Only

DUKE ENERGY FLORIDA
CALCULATION OF TRUE-UP AND INTEREST PROVISION
FEBRUARY 2019

	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	\$82,327,645	94,009,386	(\$11,681,741)	(12.4)	\$192,304,609	\$202,904,829	(\$10,600,220)	(5.2)
1a. COAL CAR SALE	0	0	0	0.0	0	0	0	0.0
2. FUEL COST OF POWER SOLD	(37,098)	(537,941)	500,843	(93.1)	(723,636)	(2,192,723)	1,469,087	(67.0)
2a. GAS ON POWER SALES	58,390	(149,633)	208,023	(139.0)	(234,591)	(609,924)	375,333	(61.5)
3. FUEL COST OF PURCHASED POWER	2,648,955	347,190	2,301,765	663.0	6,358,913	1,269,740	5,089,173	400.8
3a. ENERGY PAYMENTS TO QUALIFYING FACILITIES	7,601,725	10,273,495	(2,671,770)	(26.0)	18,509,882	21,891,835	(3,381,953)	(15.5)
4. ENERGY COST OF ECONOMY PURCHASES	240,158	57,823	182,335	315.3	424,440	178,695	245,745	137.5
5. TOTAL FUEL & NET POWER TRANSACTIONS	92,839,774	104,000,320	(11,160,546)	(10.7)	216,639,617	223,442,452	(6,802,834)	(3.0)
6. ADJUSTMENTS TO FUEL COST:								
6a. FUEL COST OF STRATIFIED SALES	(1,499,837)	(1,020,082)	(479,755)	47.0	(3,620,329)	(2,695,476)	(924,852)	34.3
6b. OTHER- JURISDICTIONAL ADJUSTMENTS (see detail below)	1,239,369	1,205,895	33,474	2.8	2,573,762	2,417,807	155,954	6.5
6c. OTHER - PRIOR PERIOD ADJUSTMENT	0	0	0	0.0	0	0	0	0.0
7. ADJUSTED TOTAL FUEL & NET PWR TRNS	\$92,579,306	\$104,186,133	(\$11,606,827)	(11.1)	\$215,593,050	\$223,164,783	(\$7,571,732)	(3.4)

FOOTNOTE: DETAIL OF LINE 6b ABOVE

INSPECTION & FUEL ANALYSIS REPORTS (Wholesale Portion)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CITRUS CC INEFFICIENT USE	0	0	0	0	0	0	0
UNIVERSITY OF FLORIDA STEAM REVENUE ALLOCATION (Wholesale Portion)	680	0	680	1,410	0	1,410	0
FDP AGREEMENT TERM NATION	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
FDP AGREEMENT TERM NATION	1,238,689	0	1,238,689	2,481,759	0	2,481,759	0
RAIL CAR SALE PROCEEDS	0	0	0	0	0	0	0
Gain/Loss on Disposition of Oil	0	0	0	0	0	0	0
NET METER SETTLEMENT	0	0	0	90,593	0	90,593	0
N/A - Not used	0	0	0	0	0	0	0
Derivative Collateral Interest	0	0	0	0	0	0	0
SUBTOTAL LINE 6b SHOWN ABOVE	\$1,239,369	\$0	\$1,239,369	\$2,573,762	\$0	\$2,573,762	

B. KWH SALES								
1. JURISDICTIONAL SALES	2,719,125,385	2,865,578,293	(146,452,908)	(5.1)	5,389,118,901	5,776,236,057	(387,117,156)	(6.7)
2. NON JURISDICTIONAL (WHOLESALE) SALES	18,677,505	12,606,526	6,070,979	48.2	38,281,343	31,391,859	6,889,484	22.0
3. TOTAL SALES	2,737,802,890	2,878,184,819	(140,381,929)	(4.9)	5,427,400,244	5,807,627,916	(380,227,672)	(6.6)
4. JURISDICTIONAL SALES % OF TOTAL SALES	99.32	99.56	(0.24)	(0.2)	99.29	99.46	(0.17)	(0.2)

DUKE ENERGY FLORIDA
CALCULATION OF TRUE-UP AND INTEREST PROVISION
FEBRUARY 2019

	CURRENT MONTH				YEAR TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT
C. TRUE UP CALCULATION								
1. JURISDICTIONAL FUEL REVENUE	\$106,246,246	\$113,652,972	(\$7,406,726)	(6.5)	\$211,007,080	\$229,093,862	(\$18,086,781)	(7.9)
2. ADJUSTMENTS:	0	0	0	0.0	0	0	0	0.0
2a. TRUE UP PROVISION	(12,370,910)	(12,370,910)	0	0.0	(24,741,819)	(24,741,820)	1	0.0
2b. NCENTIVE PROVISION	191,794	191,794	(0)	0.0	383,588	383,588	(0)	0.0
3. TOTAL JURISDICTIONAL FUEL REVENUE	94,067,131	101,473,856	(7,406,726)	(7.3)	186,648,849	204,735,630	(18,086,781)	(8.8)
4. ADJ TOTAL FUEL & NET PWR TRNS (L NE A7)	92,579,306	104,186,133	(11,606,827)	(11.1)	215,593,050	223,164,783	(7,571,732)	(3.4)
5. JURISDICTIONAL SALES % OF TOT SALES (L NE B4)	99.32	99.56	(0.24)	(0.2)	99.29	99.46	(0.17)	(0.2)
6. JURISDICTIONAL FUEL & NET POWER TRANSACTIONS (L NE C4 * LINE C5 * 1.00034 LOSS MULT PL ER)	91,981,029	103,759,869	(11,778,840)	(11.4)	214,134,630	222,013,703	(7,879,074)	(3.6)
7. TRUE UP PROVISION FOR THE MONTH OVER/(UNDER) COLLECTION (L NE C3 - C6)	2,086,101	(2,286,013)	4,372,114	(191.3)	(27,485,781)	(17,278,074)	(10,207,707)	59.1
8. NTEREST PROVISION FOR THE MONTH (L NE D10)	(428,683)	(233,761)	(194,921)	83.4	(851,643)	(473,110)	(378,533)	80.0
9. TRUE UP & INTEREST PROVISION BEG OF MONTH/PERIOD	(220,503,523)	(151,184,220)	(69,319,303)	45.9	(202,879,590)	(148,323,721)	(54,555,869)	36.8
10. TRUE UP COLLECTED (REFUNDED)	12,370,910	12,370,910	(0)	0.0	24,741,819	24,741,820	(1)	0.0
11. END OF PERIOD TOTAL NET TRUE UP (LINES C7 + C8 + C9 + C10)	(206,475,195)	(141,333,084)	(65,142,111)	46.1	(206,475,195)	(141,333,084)	(65,142,111)	46.1
12. OTHER:	0				0		0	
13. END OF PERIOD TOTAL NET TRUE UP (L NES C11 + C12)	(\$206,475,195)	(141,333,084)	(65,142,111)	46.1	(\$206,475,195)	(141,333,084)	(65,142,111)	46.1
D. NTEREST PROVISION								
1. BEGINNING TRUE UP (LINE C9)	(\$220,503,523)	N/A	--	--				
2. ENDING TRUE UP (LINES C7 + C9 + C10 + C12)	(206,046,512)	N/A	--	--				
3. TOTAL OF BEGINNING & END NG TRUE UP	(426,550,035)	N/A	--	--			NOT	
4. AVERAGE TRUE UP (50% OF L NE D3)	(213,275,017)	N/A	--	--				
5. NTEREST RATE - F RST DAY OF REPORTING MONTH	2.410	N/A	--	--				
6. NTEREST RATE - F RST DAY OF SUBSEQUENT MONTH	2.410	N/A	--	--				
7. TOTAL (L NE D5 + LINE D6)	4.820	N/A						
8. AVERAGE INTEREST RATE (50% OF L NE D7)	2.410	N/A	--	--				
9. MONTHLY AVERAGE INTEREST RATE (LINE D8/12)	0.201	N/A	--	--				
10. NTEREST PROVISION (LINE D4 * L NE D9)	(\$428,683)	N/A	--	--				

A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Final

Report Period : 2/1/2019 to 2/1/2019

Run Date: 3/11/2019 3:44:44 PM

<u>FUEL COST OF SYSTEM</u>	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
NET GENERATION (\$)				
1 - HEAVY O L	0	0	0	0.0 %
2 - LIGHT OIL	500,019	132,973	367,046	276.0 %
3 - COAL	1,268,395	21,709,301	(20,440,906)	(94.2 %)
4 - GAS	80,559,232	72,167,112	8,392,120	11.6 %
5 - NUCLEAR	0	0	0	0.0 %
6	0	0	0	0.0 %
7	0	0	0	0.0 %
8 - TOTAL (\$)	82,327,645	94,009,386	(11,681,741)	(12.4 %)
SYSTEM NET GENERATION (MWH)				
9 - HEAVY O L	0	0	0	0.0 %
10 - LIGHT O L	2,044	0	2,044	0.0 %
11 - COAL	30,218	658,283	(628,065)	(95.4 %)
12 - GAS	2,464,229	1,988,419	475,810	23.9 %
13 - NUCLEAR	0	0	0	0.0 %
14 - SOLAR	11,844	15,825	(3,981)	(25.2 %)
15	0	0	0	0.0 %
16 - TOTAL (MWH)	2,508,335	2,662,527	(154,192)	(5.8 %)
UNITS OF FUEL BURNED				
17 - HEAVY O L (BBL)	0	0	0	0.0 %
18 - LIGHT O L (BBL)	4,468	570	3,898	683.9 %
19 - COAL (TON)	17,108	291,179	(274,071)	(94.1 %)
20 - GAS (MCF)	17,922,366	14,086,771	3,835,595	27.2 %
21 - NUCLEAR (MMBTU)	0	0	0	0.0 %
22	0	0	0	0.0 %
23	0	0	0	0.0 %
BTUS BURNED (MILLION BTU)				
24 - HEAVY O L	0	0	0	0.0 %
25 - LIGHT O L	25,716	3,320	22,396	674.6 %
26 - COAL	381,337	6,773,980	(6,392,643)	(94.4 %)
27 - GAS	18,251,784	14,086,771	4,165,013	29.6 %
28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (M LLION BTU)	18,658,838	20,864,071	(2,205,233)	(10.6 %)
GENERATION MIX (% MWH)				
32 - HEAVY O L	0.0	0 00	0.0	0.0 %
33 - LIGHT O L	0.1	0 00	0.1	0.0 %
34 - COAL	1.2	24.72	(23.5)	(95.1 %)
35 - GAS	98.2	74 68	23.6	31.5 %
36 - NUCLEAR	0.0	0 00	0.0	0.0 %
37 - SOLAR	0.47	0.59	(0.12)	(20.6 %)
38	0	0	0	0
39 - TOTAL (% MWH)	100.0	100.0	0.0	0.0 %

A-3 Generating System Comparative Data Report

Final

Duke Energy Florida, LLC

Report Period : 2/1/2019 to 2/1/2019

Run Date: 3/11/2019 3:44:44 PM

FUEL COST PER UNIT (\$)

40 - HEAVY O L (\$/BBL)	0 00	0 00	0.00	0.0 %
41 - LIGHT O L (\$/BBL)	111.91	233 29	(121.37)	(52.0 %)
42 - COAL (\$/TON)	74.14	74.56	(0.42)	(0.6 %)
43 - GAS (\$/MCF)	4.49	5.12	(0.63)	(12.3 %)
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 O L	0 00	0 00	0.00	0.0 %
48 - LIGHT O L	19.44	40 05	(20.61)	(51.5 %)
49 - COAL	3 33	3 20	0.12	3.8 %
50 - GAS	4.41	5.12	(0.71)	(13.8 %)
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)	4.41	4.51	(0.09)	(2.1 %)

BTU BURNED PER KWH (BTU/KWH)

55 - HEAVY O L	0	0	0	0.0 %
56 - LIGHT O L	12,582	0	12,582	0.0 %
57 - COAL	12,620	10,290	2,329	22.6 %
58 - GAS	7,407	7,084	322	4.5 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %
62 - SYSTEM (BTU/KWH)	7,439	7,836	(397)	(5.1 %)

GENERATED FUEL COST PER KWH (CENTS/KWH)

63 - HEAVY O L	0 00	0 00	0.00	0.0 %
64 - LIGHT O L	24.46	0 00	24.46	0.0 %
65 - COAL	4 20	3 30	0.90	27.3 %
66 - GAS	3 27	3 63	(0.36)	(9.9 %)
67 - NUCLEAR	0 00	0 00	0.00	0.0 %
68	0 00	0 00	0.00	0.0 %
69	0 00	0 00	0.00	0.0 %
70 - SYSTEM (CENTS/KWH)	3 28	3 53	(0.25)	(7.0 %)

A-3 Generating System Comparative Data Report

Report Period : 1/1/2019 to 2/1/2019

Duke Energy Florida, LLC

Run Date: 3/12/2019 9:00:00 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	1,780,233	280,633	1,499,600	534.4 %
3 - COAL	10,985,541	50,305,885	(39,320,344)	(78.2 %)
4 - GAS	179,538,835	152,318,311	27,220,524	17.9 %
5 - NUCLEAR	0	0	0	0.0 %
6	0	0	0	0.0 %
7	0	0	0	0.0 %
8 - TOTAL (\$)	192,304,609	202,904,829	(10,600,220)	(5.2 %)
SYSTEM NET GENERATION (MWH)				
9 - HEAVY OIL	0	0	0	0.0 %
10 - LIGHT OIL	6,807	63	6,744	10704.5 %
11 - COAL	295,089	1,521,450	(1,226,361)	(80.6 %)
12 - GAS	5,097,453	4,168,165	929,288	22.3 %
13 - NUCLEAR	0	0	0	0.0 %
14 - SOLAR	21,980	31,194	(9,214)	(29.5 %)
15	0	0	0	0.0 %
16 - TOTAL (MWH)	5,421,329	5,720,872	(299,543)	(5.2 %)
UNITS OF FUEL BURNED				
17 - HEAVY OIL (BBL)	0	0	0	0.0 %
18 - LIGHT OIL (BBL)	14,639	1,307	13,332	1020.0 %
19 - COAL (TON)	146,423	669,437	(523,014)	(78.1 %)
20 - GAS (MCF)	37,123,310	29,628,937	7,494,373	25.3 %
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	83,814	7,619	76,195	1000.1 %
26 - COAL	3,279,857	15,607,131	(12,327,274)	(79.0 %)
27 - GAS	37,826,484	29,628,937	8,197,547	27.7 %
28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (MILLION BTU)	41,190,155	45,243,687	(4,053,532)	(9.0 %)
GENERATION MIX (% MWH)				
32 - HEAVY OIL	0.0	0.00	0.0	0.0 %
33 - LIGHT OIL	0.1	0.00	0.1	11301.5 %
34 - COAL	5.4	26.59	(21.2)	(79.5 %)
35 - GAS	94.0	72.86	21.2	29.1 %
36 - NUCLEAR	0.0	0.00	0.0	0.0 %
37 - SOLAR	0.41	0.55	(0.14)	(25.6 %)
38	0	0	0	0
39 - TOTAL (% MWH)	100.0	100.0	0.0	0.0 %

A-3 Generating System Comparative Data Report

Report Period : 1/1/2019 to 2/1/2019

Duke Energy Florida, LLC

Run Date: 3/12/2019 9:00:00 AM

FUEL COST PER UNIT (\$)

40 - HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.0 %
41 - LIGHT OIL (\$/BBL)	121.61	214.72	(93.11)	(43.4 %)
42 - COAL (\$/TON)	75.03	75.15	(0.12)	(0.2 %)
43 - GAS (\$/MCF)	4.84	5.14	(0.30)	(5.9 %)
44 - NUCLEAR (\$/MBTU)	0.00	0.00	0.00	0.0 %
45	0.00	0.00	0.00	0.0 %
46	0.00	0.00	0.00	0.0 %

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

47 - HEAVY OIL	0.00	0.00	0.00	0.0 %
48 - LIGHT OIL	21.24	36.83	(15.59)	(42.3 %)
49 - COAL	3.35	3.22	0.13	3.9 %
50 - GAS	4.75	5.14	(0.39)	(7.7 %)
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)	4.67	4.48	0.18	4.1 %

BTU BURNED PER KWH (BTU/KWH)

55 - HEAVY OIL	0	0	0	0.0 %
56 - LIGHT OIL	12,313	120,937	(108,623)	(89.8 %)
57 - COAL	11,115	10,258	857	8.4 %
58 - GAS	7,421	7,108	312	4.4 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %
62 - SYSTEM (BTU/KWH)	7,598	7,909	(311)	(3.9 %)

GENERATED FUEL COST PER KWH (CENTS/KWH)

63 - HEAVY OIL	0.00	0.00	0.00	0.0 %
64 - LIGHT OIL	26.15	445.45	(419.30)	(94.1 %)
65 - COAL	3.72	3.31	0.42	12.6 %
66 - GAS	3.52	3.65	(0.13)	(3.6 %)
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)	3.55	3.55	0.00	0.0 %

A-4 System Net Generation and Fuel Cost Report

Report Period : 2/1/2019 to 2/1/2019

Duke Energy Florida, LLC

Run Date: 3/11/2019 3:52:45 PM

A) PLANT	(B) NET CAP (MW)	(C) NET GENERATION (MWH)	(D) CAP FAC (%)	(E) EQUIV AVA L FAC(%)	(F) NET OUTPUT FAC(%)	(G) AVE NET HEAT RATE (BTU/KWH)	(H) FUEL TYPE	(I) FUEL BURN (UNITS)	(J) FUEL HEAT VALUE (MMBTU/UNIT)	(K) FUEL BURNED (MMBTU)	(L) AS BURNED FUEL COST (\$)	(M) FUEL COST PER KWH (CENTS/KWH)	(N) FUEL COST PER UNIT (\$)
Solar													
Hamilton Solar Facility													
TOTAL HSF 1	43	9,718.00	34			0				0	0	0.000	
Osceola Solar Facility 1													
TOTAL UNIT 1	2	496.00	37			0				0	0	0.000	
Perry Solar Facility 1													
TOTAL UNIT 1	2	546.00	41			0				0	0	0.000	
Suwanee Solar Facility													
TOTAL UNIT 1	4	1,084.00	40			0				0	0	0.000	
TOTAL Solar	51	11,844.00				0				0	0	0.000	
Steam													
Anclote													
TOTAL UNIT 1		0.00				0				0	0	0.000	
		91,951.00					Gas	1,025,276	1.022	1,047,832	4,988,009	5.425	4.865
TOTAL UNIT 2	514	91,951.00	27			11,396				1,047,832	4,988,009	5.425	
Crystal River 1 & 2													
TOTAL UNIT 1		0.00				0				0	0	0.000	
TOTAL UNIT 2		0.00				0				0	0	0.000	
Crystal River 4 & 5													
		31,051.00					Coal	17,108	22.290	381,337	1,268,395	4.085	74.140
		0.00					No 2	1,843	5.701	10,507	230,342	0.000	124.982
TOTAL UNIT 4	721	31,051.00	6			12,619				391,844	1,498,737	4.827	
TOTAL UNIT 5		0.00				0				0	0	0.000	
TOTAL Steam	1,235	123,002.00				11,704				1,439,676	6,486,746	5.000	

A-4 System Net Generation and Fuel Cost Report

Report Period : 2/1/2019 to 2/1/2019

Duke Energy Florida, LLC

Run Date: 3/11/2019 3:52:45 PM

(A) PLANT	(B) NET CAP (MW)	(C) NET GENERATION (MWH)	(D) CAP FAC (%)	(E) EQUIV AVA L FAC(%)	(F) NET OUTPUT FAC(%)	(G) AVE NET HEAT RATE (BTU/KWH)	(H) FUEL TYPE	(I) FUEL BURN (UNITS)	(J) FUEL HEAT VALUE (MMBTU/UNIT)	(K) FUEL BURNED (MMBTU)	(L) AS BURNED FUEL COST (\$)	(M) FUEL COST PER KWH (CENTS/KWH)	(N) FUEL COST PER UNIT (\$)
Gas Turbine													
Avon Park Peaker													
TOTAL APP	0	0.00	0			0	Gas	0	0.000	0	(96)	0.000	0.000
Bartow Combined Cycle													
TOTAL BCC	1,207	458,412.00	57			7,689	Gas	3,476,128	1.014	3,524,794	14,403,924	3.142	4.144
Bartow Peaker													
TOTAL BAP	171	420.05	0			18,204	No 2	105	5.712	600	10,925	33.159	104.047
		453.00					Gas	7,482	1.022	7,647	36,311	8.644	4.853
										8,246	47,236	10.427	
Bayboro Peaker													
TOTAL BYP	121	65.50	0			13,604	No 2	156	5.712	891	21,774	33.243	139.580
		66.00								891	21,774	33.243	
Citrus County													
TOTAL CCCC	1,862	810,478.00	65			6,760	Gas	5,360,557	1.022	5,478,489	27,335,899	3.373	5.099
		810,478.00								5,478,489	27,335,899	3.373	
Debary Peaker													
TOTAL DEP	487	133.83	2			13,612	No 2	315	5.783	1,822	35,915	26.836	114.016
		4,976.17					Gas	66,150	1.024	67,738	324,175	6.515	4.901
		5,110.00								69,559	360,090	7.047	
Higgins Peaker													
TOTAL HGP	56	92.80	0			17,682	Gas	1,604	1.023	1,641	7,355	7.925	4.585
		93.00								1,641	7,355	7.925	
Hines Energy													
TOTAL HEP	2,188	1,013,255.00	69			7,237	Gas	7,210,843	1.017	7,333,427	30,248,426	2.985	4.195
		1,013,255.00								7,333,427	30,248,426	2.985	
Intercession City Peaker													
TOTAL ICP	945	804.11	1			13,326	No 2	1,847	5.802	10,716	182,392	22.683	98.751
		7,135.61					Gas	93,225	1.020	95,090	388,764	5.448	4.170
		7,940.00								105,805	571,156	7.194	
Osprey													
TOTAL OSP	600	44,737.00	11			7,459	Gas	327,807	1.018	333,708	1,363,831	3.049	4.160
		44,737.00								333,708	1,363,831	3.049	
Suwannee Peaker													
TOTAL SRP	203	80.70	1			14,632	No 2	203	5.817	1,181	18,669	23.133	91.968
		1,828.60					Gas	26,154	1.023	26,756	127,685	6.983	4.882
		1,909.00								27,936	146,354	7.665	
Univ of Florida Cogen													
TOTAL UFP	46	0.00	100			10,783	No 2	0	0.000	0	0	0.000	0.000
		31,037.00					Gas	327,140	1.023	334,664	1,334,948	4.301	4.081
		31,037.00								334,664	1,334,948	4.301	
TOTAL Gas Turbine	7,886	2,373,489.00				7,255				17,219,161	75,840,898	3.195	
SYSTEM TOTAL	9,172	2,508,335.32				7,439				18,658,838	82,327,645	3.282	

A-4 System Net Generation and Fuel Cost Report

Duke Energy Florida, LLC

Report Period : 1/1/2019 to 2/1/2019

Run Date: 3/12/2019 9:04:45 AM

A) PLANT	(B) NET CAP (MW)	(C) NET GENERATION (MWH)	(D) CAP FAC (%)	(E) EQUIV AVAIL FAC(%)	(F) NET OUTPUT FAC(%)	(G) AVE NET HEAT RATE (BTU/KWH)	(H) FUEL TYPE	(I) FUEL BURN (UNITS)	(J) FUEL HEAT VALUE (MMBTU/UNIT)	(K) FUEL BURNED (MMBTU)	(L) AS BURNED FUEL COST (\$)	(M) FUEL COST PER KWH (CENTS/KWH)	(N) FUEL COST PER UNIT (\$)
Solar													
Hamilton Solar Facility													
TOTAL HSF 1	43	17,636.00	29			0				0	0	0.000	
Osceola Solar Facility 1													
TOTAL UNIT 1	2	1,038.00	37			0				0	0	0.000	
Perry Solar Facility 1													
TOTAL UNIT 1	2	976.00	34			0				0	0	0.000	
Suwanee Solar Facility													
TOTAL UNIT 1	4	2,330.00	41			0				0	0	0.000	
TOTAL Solar	51	21,980.00				0				0	0	0.000	
Steam													
Anclote													
		29,624.00					Gas	325,824	1.024	333,644	1,573,399	5.311	4.829
TOTAL UNIT 1	511	29,624.00	4			11,263				333,644	1,573,399	5.311	
		178,664.00					Gas	1,987,973	1.023	2,033,634	9,636,859	5.394	4.848
TOTAL UNIT 2	514	178,664.00	25			11,382				2,033,634	9,636,859	5.394	
Crystal River 1 & 2													
TOTAL UNIT 1		0.00				0				0	0	0.000	
TOTAL UNIT 2		0.00				0				0	0	0.000	
Crystal River 4 & 5													
		113,203.00					Coal	57,247	22.377	1,281,013	4,284,569	3.785	74.844
		0.00					No 2	4,959	5.701	28,271	615,985	0.000	124.216
TOTAL UNIT 4	721	113,203.00	11			11,566				1,309,284	4,900,553	4.329	
		185,022.00					Coal	89,176	22.415	1,998,844	6,700,972	3.622	75.143
		0.00					No 2	1,355	5.701	7,725	167,698	0.000	123.762
TOTAL UNIT 5	721	185,022.00	18			10,845				2,006,569	6,868,670	3.712	
TOTAL Steam	1,235	506,513.00				11,220				5,683,131	22,979,482	4.537	

A-4 System Net Generation and Fuel Cost Report

Duke Energy Florida, LLC

Report Period : 1/1/2019 to 2/1/2019

Run Date: 3/12/2019 9:04:45 AM

A) PLANT	(B) NET CAP (MW)	(C) NET GENERATION (MWH)	(D) CAP FAC (%)	(E) EQUIV AVAIL FAC(%)	(F) NET OUTPUT FAC(%)	(G) AVE NET HEAT RATE (BTU/KWH)	(H) FUEL TYPE	(I) FUEL BURN (UNITS)	(J) FUEL HEAT VALUE (MMBTU/UNIT)	(K) FUEL BURNED (MMBTU)	(L) AS BURNED FUEL COST (\$)	(M) FUEL COST PER KWH (CENTS/KWH)	(N) FUEL COST PER UNIT (\$)
Gas Turbine													
Avon Park Peaker													
TOTAL APP	25	9 00	0			21,845	Gas	192	1 024	197	999	11.102	5.204
Bartow Combined Cycle													
TOTAL BCC	1,207	978,399 00	57			7,659	Gas	7,382,253	1 015	7,493,417	31,227,365	3.192	4.230
Bartow Peaker													
TOTAL BAP	223	373.45	0			17,253	No 2	1,128	5.712	6,443	117,365	31.427	104.047
		1,078.55					Gas	18,197	1 023	18,608	93,771	8.694	5.153
Bayboro Peaker													
TOTAL BYP	238	1,821 20	1			12,266	No 2	3,911	5.712	22,340	546,538	30.010	139.744
		1,821 00								22,340	546,538	30.010	
Citrus County													
TOTAL CCCC	1,862	1,750,126 00	66			6,778	Gas	11,601,316	1 023	11,862,786	68,622,380	3.921	5.915
		1,750,126 00								11,862,786	68,622,380	3.921	
Debary Peaker													
TOTAL DEP	487	306 06	1			13,850	No 2	738	5.744	4,239	84,297	27.543	114.224
		6,134.94					Gas	82,992	1 024	84,967	415,701	6.776	5.009
		6,441 00								89,206	499,998	7.763	
Higgins Peaker													
TOTAL HGP	119	354.50	0			14,872	Gas	5,150	1 024	5,272	24,012	6.773	4.663
		354 00								5,272	24,012	6.773	
Hines Energy													
TOTAL HEP	2,188	1,971,709 00	64			7,243	Gas	14,041,965	1 017	14,280,678	60,814,151	3.084	4.331
		1,971,709 00								14,280,678	60,814,151	3.084	
Intercession City Peaker													
TOTAL ICP	945	896 30	2			13,250	No 2	2,047	5 802	11,876	202,183	22.557	98.770
		20,249 87					Gas	262,716	1 021	268,309	1,121,255	5.537	4.268
		21,146 00								280,185	1,323,437	6.259	
Osprey													
TOTAL OSP	600	90,222 00	11			7,516	Gas	665,464	1 019	678,118	2,824,760	3.131	4.245
		90,222 00								678,118	2,824,760	3.131	
Suwannee Peaker													
TOTAL SRP	203	203 36	2			14,359	No 2	502	5 817	2,920	46,168	22.702	91.968
		4,881 34					Gas	68,517	1 023	70,093	309,513	6.341	4.517
		5,085 00								73,013	355,680	6.995	
Univ of Florida Cogen													
TOTAL UFP	46	0 00	101			10,546	No 2	0	0 000	0	0	0.000	0.000
		66,071.50					Gas	680,751	1 024	696,762	2,874,671	4.351	4.223
		66,072 00								696,762	2,874,671	4.351	
TOTAL Gas Turbine	8,143	4,892,836 00				7,257				35,507,024	169,325,127	3.461	
SYSTEM TOTAL	9,429	5,421,329 07				7,598				41,190,155	192,304,609	3.547	

A-5 System Generation Fuel Cost Report

Final
Report Period : 2/1/2019 to 2/1/2019

Duke Energy Florida, LLC

Run Date: 3/11/2019 4:10:10 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)	1,784	570	1,214	213.0%
20 - UNIT COST (\$/BBL)	131.28	233.29	(102.00)	(43.7%)
21 - AMOUNT (\$)	234,210	132,973	101,237	76.1%
22 - BURNED				
23 - UNITS (BBL)	4,468	570	3,898	683.9%
24 - UNIT COST (\$/BBL)	111.91	233.29	(121.37)	(52.0%)
25 - AMOUNT (\$)	500,019	132,973	367,046	276.0%
26 - ADJUSTMENTS				
27 - UNITS (BBL)	0			
28 - AMOUNT (\$)	0			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	679,223	714,259	(35,036)	(4.9%)
31 - UNIT COST (\$/BBL)	108.82	108.87	(0.05)	(0.0%)
32 - AMOUNT (\$)	73,910,108	77,760,783	(3,850,675)	(5.0%)
33 -				
34 - DAYS SUPPLY	4,257	37,593	(33,336)	(88.7%)

A-5 System Generation Fuel Cost Report

Final
Report Period : 2/1/2019 to 2/1/2019

Duke Energy Florida, LLC

Run Date: 3/11/2019 4:10:10 PM

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	73,525	291,179	(217,654)	(74.7%)
37 - UNIT COST (\$/TON)	66.06	74.56	(8.49)	(11.4%)
38 - AMOUNT (\$)	4,857,279	21,709,301	(16,852,022)	(77.6%)
39 - BURNED				
40 - UNITS (TON)	17,108	291,179	(274,071)	(94.1%)
41 - UNIT COST (\$/TON)	74.14	74.56	(0.42)	(0.6%)
42 - AMOUNT (\$)	1,268,395	21,709,301	(20,440,906)	(94.2%)
43 - ADJUSTMENTS				
44 - UNITS (TON)	0			
45 - AMOUNT (\$)	0			
46 - ENDING INVENTORY				
47 - UNITS (TON)	710,357	914,150	(203,793)	(22.3%)
48 - UNIT COST (\$/TON)	76.28	74.56	1.73	2.3%
49 - AMOUNT (\$)	54,187,292	68,155,824	(13,968,532)	(20.5%)
50 -				
51 - DAYS SUPPLY	1,163	94	1,068	1134.4%
GAS				
52 - BURNED				
53 - UNITS (MCF)	17,922,366	14,086,771	3,835,595	27.2%
54 - UNIT COST (\$/MCF)	4.49	5.12	(0.63)	(12.3%)
55 - AMOUNT (\$)	80,559,232	72,167,112	8,392,120	11.6%
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 : 1/1/2019 to 2/1/2019

Run Date: 3/12/2019 10:03:05 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)	6,953	1,307	5,646	432.0%
20 - UNIT COST (\$/BBL)	129.28	214.72	(85.44)	(39.8%)
21 - AMOUNT (\$)	898,852	280,633	618,219	220.3%
22 - BURNED				
23 - UNITS (BBL)	14,639	1,307	13,332	1020.0%
24 - UNIT COST (\$/BBL)	121.61	214.72	(93.11)	(43.4%)
25 - AMOUNT (\$)	1,780,233	280,633	1,499,600	534.4%
26 - ADJUSTMENTS				
27 - UNITS (BBL)	0			
28 - AMOUNT (\$)	0			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	679,223	714,259	(35,036)	(4.9%)
31 - UNIT COST (\$/BBL)	108.82	108.87	(0.05)	(0.0%)
32 - AMOUNT (\$)	73,910,108	77,760,783	(3,850,675)	(5.0%)
33 -				
34 - DAYS SUPPLY	0	0	0	0.0%

A-5 System Generation Fuel Cost Report

Duke Energy Florida, LLC

Report Period : 1/1/2019 to 2/1/2019

Run Date: 3/12/2019 10:03:05 AM

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	230,846	669,437	(438,591)	(65.5%)
37 - UNIT COST (\$/TON)	84.52	75.15	9.38	12.5%
38 - AMOUNT (\$)	19,511,667	50,305,885	(30,794,218)	(61.2%)
39 - BURNED				
40 - UNITS (TON)	146,423	669,437	(523,014)	(78.1%)
41 - UNIT COST (\$/TON)	75.03	75.15	(0.12)	(0.2%)
42 - AMOUNT (\$)	10,985,541	50,305,885	(39,320,344)	(78.2%)
43 - ADJUSTMENTS				
44 - UNITS (TON)	0			
45 - AMOUNT (\$)	0			
46 - ENDING INVENTORY				
47 - UNITS (TON)	710,357	914,150	(203,793)	(22.3%)
48 - UNIT COST (\$/TON)	76.28	74.56	1.73	2.3%
49 - AMOUNT (\$)	54,187,292	68,155,824	(13,968,532)	(20.5%)
50 -				
51 - DAYS SUPPLY	0	0	0	0.0%
GAS				
52 - BURNED				
53 - UNITS (MCF)	37,123,310	29,628,937	7,494,373	25.3%
54 - UNIT COST (\$/MCF)	4.84	5.14	(0.30)	(5.9%)
55 - AMOUNT (\$)	179,538,835	152,318,311	27,220,524	17.9%
NUCLEAR				
56 - BURNED				
57 - UNITS (MMBTU)	0	0	0	0.0%
58 - UNIT COST (\$/MMBTU)	0.00	0.00	0.00	0.0%
59 - AMOUNT (\$)	0	0	0	0.0%

Duke Energy Florida, LLC.
Schedule A6
Power Sold for the Month of
February 2019

(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	Total Cost	Fuel Adj Total	Total Cost	Gain on Sales
					C/KWH	C/KWH	\$	\$	\$
ESTIMATED		15,778		15,778	3	4.36	537,941	687,574	149,633
ACTUAL									
Exelon Generation Company, LLC	InternationalSwapsDe	200		200	1.869	4.200	3,738.00	8,400.00	4,662.00
Florida Municipal Power Agency	CR-1	210		210	2.222	3.390	4,666.20	7,120.00	2,453.80
PJM Settlements, Inc	MR1	748		748	1.947	1.729	14,562.84	12,936.30	(1,626.54)
Reedy Creek Improvement District	CR-1	450		450	1.729	2.291	7,780.80	10,309.40	2,528.60
Tampa Electric Company	CR-1	150		150	4.234	4.181	6,350.56	6,270.96	(79.60)
Adjustments									
PJM Settlements, Inc	MR1							(65,842.94)	(65,842.94)
PJM Settlements, Inc	MR1							(485.44)	(485.44)
Subtotal - Gain on Other Power Sales		1,758		1,758	2.110	(1.211)	37,098.40	(21,291.72)	(58,390.12)
CURRENT MONTH TOTAL		1,758		1,758	2.110	(1.211)	37,098.40	(21,291.72)	(58,390.12)
DIFFERENCE		(14,020)		(14,020)	(1.300)	(5.569)	(500,842.60)	(708,865.72)	(208,023.12)
DIFFERENCE %		(89)		(89)	(38.115)	(127.791)	(93.10)	(103.10)	(139.02)
CUMULATIVE ACTUAL		25,493		25,493	2.839	3.759	723,636.38	958,226.92	234,590.54
CUMULATIVE ESTIMATED		58,584		58,584	3.743	4.784	2,192,723.00	2,802,647.00	609,924.00
DIFFERENCE		(33,091)		(33,091)	(0.904)	(1.025)	(1,469,086.62)	(1,844,420.08)	(375,333.46)
DIFFERENCE %		(56)		(56)	(24.161)	(21.430)	(67.00)	(65.81)	(61.54)

DUKE ENERGY FLORIDA, LLC.
SCHEDULE A7

PURCHASED POWER
EXCLUSIVE OF ECONOMY PURCHASES
FOR THE MONTH OF:
FEBRUARY, 2019

(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		6,668	-	-	6,668	5.207	5.207	347,190	347,190
ACTUAL									
Shady Hills Power Company, LLC	TOLL	1,019			1,019	7.029	7.310	71,629.00	71,629.00
Southern Power Company	Franklin	36,201			36,201	4.400	3.580	1,592,713.18	1,592,713.18
Vandolah Power Co. LLC (Northern Star)	TOLL	14,562			14,562	7.039	7.210	1,025,002.34	1,025,002.34
ADJUSTMENTS									
Vandolah Power Co. LLC (Northern Star)	TOLL	(69)			(69)	80.788	80.788	(55,743.75)	(55,743.75)
Shady Hills Power Company, LLC	TOLL	(1,998)			(1,998)	0.551	0.551	(11,014.00)	(11,014.00)
Southern Power Company	Franklin	702			702	3.756	-	26,367.86	26,367.86
CURRENT MONTH TOTAL		50,417			50,417	5.254	5.254	2,648,954.63	2,648,954.63
DIFFERENCE		43,749			43,749	5.261	5.261	2,301,764.63	2,301,764.63
DIFFERENCE %		656			656	101.043	101.043	662.97	662.97
CUMULATIVE ACTUAL		133,515			133,515.00	4.763	4.763	6,358,913.48	6,358,913.48
CUMULATIVE ESTIMATED		25,747			25,747.0	4.932	4.932	1,269,740.00	1,269,740.00
DIFFERENCE		107,768			107,768.000	(0.169)	(0.169)	5,089,173.48	5,089,173.48
DIFFERENCE %		419			419	(3.425)	(3.425)	400.80	400.80

DUKE ENERGY FLORIDA, LLC
SCHEDULE A8

ENERGY PAYMENT TO QUALIFYING FACILITIES
FOR THE MONTH OF:
FEBRUARY, 2019

(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		247,051			247,051	4.158	14.908	10,273,494.92
ACTUAL								
Citrus World (CITRUS) ADJ	CO-GEN	29 7			29 7	2.754	2.754	803.68 (97.53)
Florida Power Development (FCRUSHAS) ADJ	CO-GEN	-			-	0.000	0.000	-
Florida Power Development (FLACRUSH) ADJ	CO-GEN	-			-	0.000	0.000	-
Lake County (LAKCOUNT) ADJ	CO-GEN	627			627	2.719	2.719	17,046.81 (6,893.73)
Lee County (LEECOGAS) ADJ	CO-GEN	-			-	0.000	0.000	-
Metro-Dade County (METRDADE) ADJ	CO-GEN	-			-	0.000	0.000	(2,243.84)
Metro-Dade County (METRDDAS) ADJ	CO-GEN	7,363			7,363	2.663	2.663	196,103.26 (63,254.13)
Orange Cogen (ORANGEAS) ADJ	CO-GEN	1,507			1,507	2.835	2.835	42,727.54 (17,177.58)
Orange Cogen (ORANGECO) ADJ	CO-GEN	29,416			29,416	4.270	23.266	1,256,063.20 (12,984.07)
Orlando Cogen Limited (ORLACOGL) ADJ	CO-GEN	80,646			80,646	5.581	12.605	4,500,853.26 28,691.47
Orlando Cogen Limited (ORLCOGAS) ADJ	CO-GEN	-			-	0.000	0.000	-
Pasco County Resource Recovery (PASCOUNT) ADJ	CO-GEN	11,527			11,527	2.581	19.338	297,547.37 (87,608.47)
PCS Phosphate (OCSWFCRK) ADJ	CO-GEN	5 24			5 24	2.884	2.884	134.40 678.92
Pinellas County Resource Recovery (PINCOUNT) ADJ	CO-GEN	33,229			33,229	2.579	16.374	856,840.26 (222,542.18)
Polk Power Partners, L.P. (MULBERRY) ADJ	CO-GEN	31,352			31,352	2.944	26.861	923,002.88 (195,608.96)
Wheelabrator Ridge Energy, Inc. (RIDGEGEN) ADJ	CO-GEN	-			-	0.000	0.000	-
								89,642.73
CURRENT MONTH TOTAL		195,731			195,731	3.884	17.043	7,601,725.28
DIFFERENCE		(51,321)			(51,321)	(0.275)	2.135	(2,671,769.64)
DIFFERENCE %		(20.77)			(20.77)	(6.605)	14.319	(26.01)
CUMULATIVE ACTUAL		444,960			444,960	4.160	15.917	18,509,882.10
CUMULATIVE ESTIMATED		522,927			522,927	4.186	14.344	21,891,834.65
CUMULATIVE DIFFERENCE		(77,968)			(77,968)	(0.027)	1.573	(3,381,952.55)
CUMULATIVE DIFFERENCE %		(14.91)			(15)	(0.633)	10.969	(15.45)

DUKE ENERGY FLORIDA, LLC
SCHEDULE A9

ECONOMY ENERGY PURCHASES
INCLUDING LONG TERM PURCHASES
FOR THE MONTH OF:
FEBRUARY, 2019

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
PURCHASED FROM	TYPE & SCHEDULE	TOTAL KWH PURCHASED (000)	ENERGY COST C/KWH	TOTAL AMOUNT FOR FUEL ADJ \$	COST IF GENERATED C/KWH	COST IF GENERATED \$	FUEL SAVINGS \$
ESTIMATED		1,385.00	4.175	57,823.00	4.684	64,864.00	7,041.00
ACTUAL:							
SubTotal - Energy Purchases (Broker)							
SEPA	Hydro						
Carolina Pwr & Lt dba Progress Enrgy Carolinas Inc	Transmission Purchase			\$1,090.00			(\$1,090.00)
Duke Electric Transmission	Transmission Purchase			\$1,695.21			(\$1,695.21)
EDF Trading North America, LLC		15	2.600	\$390.00	2.569	\$385.35	(\$4.65)
Exelon Generation Company, LLC	InternationalSwapsDe	100	3.000	\$3,000.00	2.988	\$2,988.00	(\$12.00)
Florida Power & Light Company		3,700	3.473	\$128,500.00	3.387	\$125,326.00	(\$3,174.00)
Orlando Utilities Commission	Schedule OS	100	3.400	\$3,400.00	5.890	5,890.00	\$2,490.00
Southern Company Services, Inc.	EEl	3,880	3.096	\$120,110.00	3.320	\$128,804.40	\$8,694.40
Southern Company Services, Inc. Transmission	Transmission Purchase			\$5,411.95			(\$5,411.95)
Tampa Electric Company	EEI2	162	2.938	\$4,760.00	2.913	4,718.58	(\$41.42)
ADJUSTMENTS							
Duke Electric Transmission				\$893.50			(\$893.50)
Southern Company Transmission				(\$28,144.76)			\$28,144.76
PJM Settlements				(\$948.21)			\$948.21
SubTotal - Energy Purchases (Non-Broker)							
		7,957	3.018	240,157.69	3.370	268,112.33	27,954.64
CURRENT MONTH TOTAL							
		7,957	3.018	240,157.69	3.370	268,112.33	27,954.64
DIFFERENCE							
		6,572	(1.157)	182,334.69	(1.314)	203,248.33	20,913.64
DIFFERENCE %							
		475	(27.708)	315.33	(28.063)	313.35	297.03
CUMULATIVE ACTUAL							
		12,529	3.388	424,439.51	3.636	455,544.93	31,105.32
CUMULATIVE EST MATED							
		4,392	4.069	178,695.00	4.564	200,453.00	21,758.00
DIFFERENCE							
		8,137	(0.681)	245,744.51	(0.928)	255,091.93	9,347.32
DIFFERENCE %							
		185	(16.738)	137.52	(20.336)	127.26	42.96

DUKE ENERGY FLOR DA
SCHEDULE A12 - CAPACITY COSTS
FOR THE PERIOD JAN - DEC 2019

Counterparty	Type	MW	Start Date - End Date	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
1 Orange Cogen (ORANGECO)	QF	74.00	7/1/95 - 12/31/24	5,600,934	5,600,934	0	0	0	0	0	0	0	0	0	0	11,201,867.56
2 Orlando Cogen Limited (ORLACOGL)	QF	79.20	9/1/93 - 12/31/23	5,636,162	5,636,162	0	0	0	0	0	0	0	0	0	0	11,272,323.84
3 Pasco County Resource Recovery (PASCOUNT)	QF	23.00	1/1/95 - 12/31/24	2,019,170	2,019,170	0	0	0	0	0	0	0	0	0	0	4,038,340.00
4 Pinellas County Resource Recovery (P NCOUNT)	QF	54.75	1/1/95 - 12/31/24	4,806,503	4,806,503	0	0	0	0	0	0	0	0	0	0	9,613,005.00
5 Polk Power Partners, L.P. (MULBERRY)	QF	115.00	8/1/94 - 8/8/24	7,693,916	7,693,916	0	0	0	0	0	0	0	0	0	0	15,387,831.32
6 Wheelabrator Ridge Energy, Inc. (R DGEGEN)	QF	39.60	8/1/94 - 1/31/19	800,946	0	0	0	0	0	0	0	0	0	0	0	800,945.81
7 Southern purchase - Franklin	Other	425	6/1/16 - 5/31/21	4,611,942	4,802,362	0	0	0	0	0	0	0	0	0	0	9,414,303.63
8 Retail Wheeling				(45,534)	(8,443)	0	0	0	0	0	0	0	0	0	0	(53,977.14)
9 CR-3 Projected Expense				3,775,626	3,753,198	0	0	0	0	0	0	0	0	0	0	7,528,823.94
10 ISFSI Return				573,320	573,320	0	0	0	0	0	0	0	0	0	0	1,146,639.49
11 Vandolah Capacity - Northern Star			June 2012 - May 2027	2,919,279	2,891,051	0	0	0	0	0	0	0	0	0	0	5,810,330.92
12 Schedule H Capacity Sales - Tallahassee	1	-1	on-going no term date	(48,411)	0	0	0	0	0	0	0	0	0	0	0	(48,411.27)
13 Shady Hills Tolling	1	517	4/1/07-4/30/24	1,976,940	1,976,940	0	0	0	0	0	0	0	0	0	0	3,953,880.00
14 RidgeGen Agreement Termination				0	750,770	0	0	0	0	0	0	0	0	0	0	750,770.37
TOTAL				40,320,791	40,495,882	0	0	0	0	0	0	0	0	0	0	80,816,673