



Matthew R. Bernier
ASSOCIATE GENERAL COUNSEL

November 20, 2019

VIA ELECTRONIC FILING

Adam J. 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 October, 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/cmkn
Attachments

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true copy of the above-mentioned document has been furnished to the following individuals via e-mail on this 20th day of November, 2019.

/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>J. Beasley / J. Wahlen / M. Means Ausley McMullen P.O. Box 391 Tallahassee, FL 32302 jbeasley@ausley.com jwahlen@ausley.com mmeans@ausley.com</p> <p>Steven Griffin Beggs & Lane P.O. Box 12950 Pensacola, FL 32591 srg@beggslane.com</p> <p>Russell A. Badders Gulf Power Company One Energy Place Pensacola, FL 32520 russell.badders@nexteraenergy.com</p> <p>Holly Henderson Gulf Power Company 215 S. Monroe St., Ste. 618 Tallahassee, FL 32301 holly.henderson@nexteraenergy.com</p> <p>Kenneth A. Hoffman Florida Power & Light Company 134 W. Jefferson Street Tallahassee, FL 32301-1713 ken.hoffman@fpl.com</p> <p>Jon C. Moyle, Jr. Moyle Law Firm, P.A. 118 North Gadsden Street Tallahassee, FL 32301 jmoyle@moylelaw.com mqualls@moylelaw.com</p>	<p>J.R. Kelly / P. Christensen / T. David / S. Morse Office of Public Counsel 111 W. Madison St., Room 812 Tallahassee, FL 32399-1400 kelly.jr@leg.state.fl.us christensen.patty@leg.state.fl.us david.tad@leg.state.fl.us morse.stephanie@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>Maria Moncada / Joel Baker Florida Power & Light Company 700 Universe Blvd. (LAW/JB) Juno Beach, FL 33408-0420 maria.moncada@fpl.com joel.baker@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>Mike Cassel Florida Public Utilities Company 1750 S. 14th Street, Suite 200 Fernandina Beach, FL 32034 mcassel@fpuc.com</p> <p>Beth Keating Gunster, Yoakley & Stewart, P.A. 215 South Monroe Street, Suite 601 Tallahassee, FL 32301 bkeating@gunster.com</p>
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DUKE ENERGY FLORIDA
FUEL AND PURCHASED POWER

OCTOBER 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)	111,492,910	95,523,571	15,969,339	16.7	3,595,701	3,322,506	273,196	8.2	3.1007	2.8750	0.2257	7.9
2 COAL CAR SALE	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
3 ADJUSTMENTS TO FUEL COST - MISCELLANEOUS	1,171,323	1,168,362	2,961	0.3	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	112,664,233	96,691,933	15,972,300	16.5	3,595,701	3,322,506	273,196	8.2	3.1333	2.9102	0.2231	7.7
5 ENERGY COST OF PURCHASED POWER - FIRM (SCH A7)	11,647,112	7,136,160	4,510,952	63.2	308,226	205,209	103,017	50.2	3.7788	3.4775	0.3013	8.7
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)	1,312,555	137,662	1,174,893	853.5	26,028	3,292	22,736	690.6	5.0429	4.1813	0.8616	20.6
8 PAYMENTS TO QUALIFYING FACILITIES (SCH A8)	7,434,207	9,742,112	(2,307,905)	(23.7)	188,321	234,003	(45,682)	(19.5)	3.9476	4.1632	(0.2156)	(5.2)
9 TOTAL COST OF PURCHASED POWER	20,393,874	17,015,934	3,377,940	19.9	522,575	442,505	80,070	18.1	3.9026	3.8454	0.0572	1.5
10 TOTAL AVAILABLE MWH					4,118,276	3,765,011	353,266	9				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(203,792)	(157,883)	(45,909)	29.1	(10,065)	(5,065)	(5,000)	98.7	2.0248	3.1174	(1.0926)	(35.1)
11a GAIN ON OTHER POWER SALES - 100% (SCH A6)	(26,148)	(41,786)	15,638	(37.4)	(10,065)	(5,065)	(5,000)	98.7	0.2598	0.8251	(0.5653)	(68.5)
11b GAIN ON TOTAL POWER SALES - 20% (SCH A6)	5,230	8,357	(3,128)	(37.4)	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
12 FUEL COST OF STRATIFIED SALES	(7,586,118)	(6,302,711)	(1,283,408)	20.4	(351,600)	(254,852)	(96,748)	38.0	2.1576	2.4731	(0.3155)	(12.8)
13 TOTAL FUEL COST AND GAINS ON POWER SALES	(7,810,829)	(6,494,023)	(1,316,807)	20.3	(361,665)	(259,916)	(101,749)	39.2	2.1597	2.4985	(0.3388)	(13.6)
14 NET INADVERTENT AND WHEELED INTERCHANGE					22,296	0	22,296					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	125,247,277	107,213,844	18,033,433	16.8	3,778,907	3,505,094	273,813	7.8	3.3144	3.0588	0.2556	8.4
16 NET UNBILLED	(148,484)	(11,108,928)	10,960,444	(98.7)	4,480	363,179	(358,699)	(98.8)	(0.0042)	(0.3050)	0.3008	(98.6)
17 COMPANY USE	295,581	486,155	(190,574)	(39.2)	(8,918)	(15,894)	6,975	(43.9)	0.0084	0.0133	(0.0049)	(36.8)
18 T & D LOSSES	9,135,189	6,438,260	2,696,929	41.9	(275,623)	(210,483)	(65,140)	31.0	0.2611	0.1768	0.0843	47.7
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	125,247,277	107,213,844	18,033,433	16.8	3,498,846	3,641,897	(143,051)	(3.9)	3.5797	2.9439	0.6358	21.6
20 WHOLESALE KWH SALES (EXCLUDING STRATIFIED SALES)	(764,008)	(439,577)	(324,432)	73.8	(21,476)	(14,981)	(6,495)	43.4	3.5576	2.9342	0.6234	21.3
21 JURISDICTIONAL KWH SALES	124,483,269	106,774,268	17,709,001	16.6	3,477,370	3,626,916	(149,545)	(4.1)	3.5798	2.9439	0.6359	21.6
22 JURISDICTIONAL KWH SALES ADJUSTED FOR LINE LOSS - 1.00034	124,525,593	106,810,571	17,715,022	16.6	3,477,370	3,626,916	(149,545)	(4.1)	3.5810	2.9449	0.6361	21.6
23 PRIOR PERIOD TRUE-UP	12,370,910	12,370,910	(0)	0.0	3,477,370	3,626,916	(149,545)	(4.1)	0.3558	0.3411	0.0147	4.3
24 TOTAL JURISDICTIONAL FUEL COST	136,896,503	119,181,481	17,715,022	14.9	3,477,370	3,626,916	(149,545)	(4.1)	3.9368	3.2860	0.6508	19.8
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									3.9396	3.2884	0.6512	19.8
27 GPIF	(191,794)	(191,794)			3,477,370	3,626,916			(0.0055)	(0.0053)	(0.0002)	-3.8
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									3.934	3.283	0.651	19.8

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

DUKE ENERGY FLORIDA
FUEL AND PURCHASED POWER
COST RECOVERY CLAUSE CALCULATION
YEAR TO DATE - OCTOBER 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)	1,058,380,094	1,047,445,685	10,934,409	1.0	34,465,111	34,235,666	229,445	0.7	3.0709	3.0595	0.0114	0.4
2 COAL CAR SALE	(178,380)	0	(178,380)	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
3 ADJUSTMENTS TO FUEL COST - MISCELLANEOUS	14,782,845	12,016,928	2,765,917	23.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	1,072,984,559	1,059,462,613	13,521,946	1.3	34,465,111	34,235,666	229,445	0.7	3.1132	3.0946	0.0186	0.6
5 ENERGY COST OF PURCHASED POWER - FIRM (SCH A7)	84,472,731	72,884,860	11,587,871	15.9	2,119,485	1,842,690	276,795	15.0	3.9855	3.9554	0.0301	0.8
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)	5,088,385	2,610,587	2,477,797	94.9	117,256	65,806	51,450	78.2	4.3396	3.9671	0.3725	9.4
8 PAYMENTS TO QUALIFYING FACILITIES (SCH A8)	82,584,749	90,536,973	(7,952,224)	(8.8)	2,078,350	2,222,443	(144,093)	(6.5)	3.9736	4.0738	(0.1002)	(2.5)
9 TOTAL COST OF PURCHASED POWER	172,145,865	166,032,420	6,113,444	3.7	4,315,091	4,130,938	184,152	4.5	3.9894	4.0192	(0.0298)	(0.7)
10 TOTAL AVAILABLE MWH					38,780,202	38,366,605	413,597	1.1				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(4,054,483)	(4,482,156)	427,673	(9.5)	(140,537)	(129,571)	(10,966)	8.5	2.8850	3.4592	(0.5742)	(16.6)
11a GAIN ON OTHER POWER SALES - 100% (SCH A6)	(1,497,962)	(1,563,125)	65,163	(4.2)	(140,537)	(129,571)	(10,966)	8.5	1.0659	1.2064	(0.1405)	(11.7)
11b GAIN ON TOTAL POWER SALES - 20% (SCH A6)	48,283	45,883	2,400	5.2	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
12 FUEL COST OF STRATIFIED SALES	(50,760,795)	(47,144,845)	(3,615,950)	7.7	(2,488,617)	(2,166,297)	(322,320)	14.9	2.0397	2.1763	(0.1366)	(6.3)
13 TOTAL FUEL COST AND GAINS ON POWER SALES	(56,264,958)	(53,144,243)	(3,120,715)	5.9	(2,629,154)	(2,295,867)	(333,286)	14.5	2.1400	2.3148	(0.1748)	(7.6)
14 NET INADVERTENT AND WHEELED INTERCHANGE					210,256	107,645	102,611					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	1,188,865,466	1,172,350,790	16,514,676	1.4	36,361,304	36,178,382	182,922	0.5	3.2696	3.2405	0.0291	0.9
16 NET UNBILLED	11,531,625	1,581,609	9,950,016	629.1	(363,399)	(20,724)	(342,675)	1,653.5	0.0346	0.0047	0.0299	636.2
17 COMPANY USE	4,277,808	5,212,307	(934,499)	(17.9)	(127,399)	(159,530)	32,131	(20.1)	0.0128	0.0155	(0.0027)	(17.4)
18 T & D LOSSES	83,960,576	78,769,552	5,191,024	6.6	(2,539,454)	(2,401,348)	(138,105)	5.8	0.2519	0.2345	0.0174	7.4
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	1,188,865,466	1,172,350,790	16,514,676	1.4	33,331,052	33,596,780	(265,728)	(0.8)	3.5668	3.4895	0.0773	2.2
20 WHOLESALE KWH SALES (EXCLUDING STRATIFIED SALES)	(7,510,766)	(7,601,764)	90,998	(1.2)	(211,073)	(217,527)	6,454	(3.0)	3.5584	3.4946	0.0638	1.8
21 JURISDICTIONAL KWH SALES	1,181,354,699	1,164,749,026	16,605,673	1.4	33,119,980	33,379,253	(259,274)	(0.8)	3.5669	3.4894	0.0775	2.2
22 JURISDICTIONAL KWH SALES ADJUSTED FOR LINE LOSS - 1.00034	1,181,752,697	1,165,141,378	16,611,319	1.4	33,119,980	33,379,253	(259,274)	(0.8)	3.5681	3.4906	0.0775	2.2
23 PRIOR PERIOD TRUE-UP	123,709,096	123,709,100	(4)	0.0	33,119,980	33,379,253	(259,274)	(0.8)	0.3735	0.3706	0.0029	0.8
24 TOTAL JURISDICTIONAL FUEL COST	1,305,461,793	1,288,850,478	16,611,315	1.3	33,119,980	33,379,253	(259,274)	(0.8)	3.9416	3.8612	0.0804	2.1
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									3.9444	3.8640	0.0805	2.1
27 GPIF	(1,917,938)	(1,917,940)			33,119,980	33,379,253			(0.0058)	(0.0057)	(0.0001)	98.3
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									3.939	3.858	0.080	2.1

*Line 11a. MWH Data for Informational Purposes Only

*Line 16 and 18. \$ Data for Informational Purposes Only

DUKE ENERGY FLORIDA
CALCULATION OF TRUE-UP AND INTEREST PROVISION
OCTOBER 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	\$111,492,910	95,523,571	\$15,969,339	16.7	\$1,058,380,094	\$1,047,445,685	\$10,934,409	1.0
1a. COAL CAR SALE	0	0	0	0.0	(178,380)	0	(178,380)	0.0
2 . FUEL COST OF POWER SOLD	(203,792)	(157,883)	(45,909)	29.1	(4,054,483)	(4,482,156)	427,673	(9.5)
2a. GAIN ON POWER SALES	(20,919)	(33,429)	12,510	(37.4)	(1,449,679)	(1,517,242)	67,563	(4.5)
3 . FUEL COST OF PURCHASED POWER	11,647,112	7,136,160	4,510,952	63.2	84,472,731	72,884,860	11,587,871	15.9
3a. ENERGY PAYMENTS TO QUALIFYING FACILITIES	7,434,207	9,742,112	(2,307,905)	(23.7)	82,584,749	90,536,973	(7,952,224)	(8.8)
4 . ENERGY COST OF ECONOMY PURCHASES	1,312,555	137,662	1,174,893	853.5	5,088,385	2,610,587	2,477,797	94.9
5 . TOTAL FUEL & NET POWER TRANSACTIONS	131,662,073	112,348,193	19,313,879	17.2	1,224,843,416	1,207,478,707	17,364,709	1.4
6 . ADJUSTMENTS TO FUEL COST:								
6a. FUEL COST OF STRATIFIED SALES	(7,586,118)	(6,302,711)	(1,283,408)	20.4	(50,760,795)	(47,144,845)	(3,615,950)	7.7
6b. OTHER- JURISDICTIONAL ADJUSTMENTS (see detail below)	1,171,323	1,168,362	2,961	0.3	14,782,845	12,016,928	2,765,917	23.0
6c. OTHER - PRIOR PERIOD ADJUSTMENT	0	0	0	0.0	0	0	0	0.0
7 . ADJUSTED TOTAL FUEL & NET PWR TRNS	\$125,247,277	\$107,213,844	\$18,033,433	16.8	\$1,188,865,466	\$1,172,350,790	\$16,514,676	1.4
FOOTNOTE DETAIL OF LINE 6b ABOVE								
N/A - Not used	\$0	\$0	\$0		\$0	\$0	\$0	
N/A - Not used	0	0	0		0	0	0	
UNIVERSITY OF FLORIDA STEAM REVENUE ALLOCATION (Wholesale Portion)	610	0	610		6,260	0	6,260	
FPD AGREEMENT TERMINATION	0	0	0		0	0	0	
TANK BOTTOM ADJUSTMENT	0	0	0		0	0	0	
AERIAL SURVEY ADJUSTMENT (Coal Pile)	0	0	0		2,764,536	0	2,764,536	
FPD AGREEMENT TERMINATION	1,170,713	0	1,170,713		11,921,456	0	11,921,456	
RAIL CAR SALE PROCEEDS	0	0	0		0	0	0	
N/A - Not used	0	0	0		0	0	0	
NET METER SETTLEMENT	0	0	0		90,593	0	90,593	
N/A - Not used	0	0	0		0	0	0	
Derivative Co-lateral Interest	0	0	0		0	0	0	
SUBTOTAL LINE 6b SHOWN ABOVE	\$1,171,323	\$0	\$1,171,323		\$14,782,845	\$0	\$14,782,845	
B. KWH SALES								
1 . JURISDICTIONAL SALES	3,477,370,037	3,626,915,575	(149,545,538)	(4.1)	33,119,978,711	33,379,253,319	(259,274,608)	(0.8)
2 . NON JURISDICTIONAL (WHOLESALE) SALES	21,475,667	14,981,029	6,494,638	43.4	211,072,572	217,526,827	(6,454,255)	(3.0)
3 . TOTAL SALES	3,498,845,704	3,641,896,605	(143,050,901)	(3.9)	33,331,051,283	33,596,780,146	(265,728,863)	(0.8)
4 . JURISDICTIONAL SALES % OF TOTAL SALES	99.39	99.59	(0.20)	(0.2)	99.37	99.35	0.02	0.0

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

	CURRENT MONTH				YEAR TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT
C. TRUE UP CALCULATION								
1. JURISDICTIONAL FUEL REVENUE	\$138,276,326	\$143,848,708	(\$5,572,382)	(3.9)	\$1,312,639,442	\$1,317,741,154	(\$5,101,712)	(0.4)
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	(123,709,096)	(123,709,100)	4	0.0
2b. INCENTIVE PROVISION	191,794	191,794	(0)	0.0	1,917,938	1,917,940	(2)	0.0
3. TOTAL JURISDICTIONAL FUEL REVENUE	126,097,210	131,669,592	(5,572,382)	(4.2)	1,190,848,285	1,195,949,994	(5,101,710)	(0.4)
4. ADJ TOTAL FUEL & NET PWR TRNS (LINE A7)	125,247,277	107,213,844	18,033,433	16.8	1,188,865,466	1,172,350,790	16,514,676	1.4
5. JURISDICTIONAL SALES % OF TOT SALES (LINE B4)	99.39	99.59	(0.20)	(0.2)	99.37	99.35	0.02	0.0
6. JURISDICTIONAL FUEL & NET POWER TRANSACTIONS (LINE C4 * LINE C5 * 1.00034 LOSS MULTIPLIER)	124,525,593	106,810,571	17,715,022	16.6	1,181,752,697	1,165,141,378	16,611,319	1.4
7. TRUE UP PROVISION FOR THE MONTH OVER/(UNDER) COLLECTION (LINE C3 - C6)	1,571,617	24,859,021	(23,287,404)	(93.7)	9,095,587	30,808,616	(21,713,029)	(70.5)
8. INTEREST PROVISION FOR THE MONTH (LINE D10)	(121,129)	(137,572)	16,443	(12.0)	(3,292,719)	(3,402,257)	109,538	(3.2)
9. TRUE UP & INTEREST PROVISION BEG OF MONTH/PERIOD	(87,189,024)	(88,856,491)	1,667,466	(1.9)	(202,879,590)	(202,879,590)	0	0.0
10. TRUE UP COLLECTED (REFUNDED)	12,370,910	12,370,910	(0)	0.0	123,709,096	123,709,100	(4)	0.0
11. END OF PERIOD TOTAL NET TRUE UP (LINES C7 + C8 + C9 + C10)	(73,367,626)	(51,764,131)	(21,603,495)	41.7	(73,367,626)	(51,764,131)	(21,603,495)	41.7
12. OTHER:	0				0		0	
13. END OF PERIOD TOTAL NET TRUE UP (LINES C11 + C12)	(\$73,367,626)	(51,764,131)	(21,603,495)	41.7	(\$73,367,626)	(51,764,131)	(21,603,495)	41.7
D. INTEREST PROVISION								
1. BEGINNING TRUE UP (LINE C9)	(\$87,189,024)	N/A	--	--				
2. ENDING TRUE UP (LINES C7 + C9 + C10 + C12)	(73,246,498)	N/A	--	--				
3. TOTAL OF BEGINNING & ENDING TRUE UP	(160,435,522)	N/A	--	--		NOT		
4. AVERAGE TRUE UP (50% OF LINE D3)	(80,217,761)	N/A	--	--				
5. INTEREST RATE - FIRST DAY OF REPORTING MONTH	1.970	N/A	--	--				
6. INTEREST RATE - FIRST DAY OF SUBSEQUENT MONTH	1.660	N/A	--	--				
7. TOTAL (LINE D5 + LINE D6)	3.630	N/A	--	--				
8. AVERAGE INTEREST RATE (50% OF LINE D7)	1.815	N/A	--	--				
9. MONTHLY AVERAGE INTEREST RATE (LINE D8/12)	0.151	N/A	--	--				
10. INTEREST PROVISION (LINE D4 * LINE D9)	(\$121,129)	N/A	--	--				

A-3 Generating System Comparative Data Report

Report Period : 10/1/2019 to 10/1/2019

Duke Energy Florida, LLC

<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 O L	3,462,810	168,075	3,294,735	1960 3 %
3 - COAL	23,579,979	10,938,395	12,641,584	115 6 %
4 - GAS	84,450,121	84,417,101	33,020	0 0 %
5 - NUCLEAR	0	0	0	0 0 %
6	0	0	0	0 0 %
7	0	0	0	0 0 %
8 - TOTAL (\$)	111,492,910	95,523,571	15,969,339	16.7 %
SYSTEM NET GENERATION (MWH)				
9 - HEAVY O L	0	0	0	0 0 %
10 - LIGHT OIL	12,848	12	12,836	106970 8 %
11 - COAL	658,270	233,800	424,470	181 6 %
12 - GAS	2,908,502	3,070,001	(161,499)	(5.3 %)
13 - NUCLEAR	0	0	0	0 0 %
14 - SOLAR	16,081	18,693	(2,612)	(14.0 %)
15	0	0	0	0 0 %
16 - TOTAL (MWH)	3,595,702	3,322,506	273,196	8 2 %
UNITS OF FUEL BURNED				
17 - HEAVY O L (BBL)	0	0	0	0 0 %
18 - LIGHT OIL (BBL)	29,691	1,028	28,663	2788 2 %
19 - COAL (TON)	286,370	106,143	180,227	169 8 %
20 - GAS (MCF)	22,671,695	22,808,534	(136,839)	(0.6 %)
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 OIL	171,394	5,991	165,403	2760 9 %
26 - COAL	6,412,970	2,483,207	3,929,763	158 3 %
27 - GAS	23,193,373	22,808,534	384,839	1.7 %
28 - NUCLEAR	0	0	0	0 0 %
29	0	0	0	0 0 %
30	0	0	0	0 0 %
31 - TOTAL (M LLION BTU)	29,777,737	25,297,732	4,480,005	17.7 %
GENERATION MIX (% MWH)				
32 - HEAVY O L	0.0	0.00	0.0	0 0 %
33 - LIGHT OIL	0.4	0.00	0.4	98835.7 %
34 - COAL	18.3	7.04	11.3	160 2 %
35 - GAS	80.9	92.40	(11.5)	(12.5 %)
36 - NUCLEAR	0.0	0.00	0.0	0 0 %
37 - SOLAR	0.45	0.56	(0.12)	(20.5 %)
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 : 10/1/2019 to 10/1/2019

Duke Energy Florida, LLC

<u>FUEL COST OF SYSTEM</u>	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
FUEL COST PER UNIT (\$)				
40 - HEAVY O L (\$/BBL)	0.00	0.00	0.00	0 0 %
41 - LIGHT OIL (\$/BBL)	109.54	163.50	(53.95)	(33.0 %)
42 - COAL (\$/TON)	82.34	103.05	(20.71)	(20.1 %)
43 - GAS (\$/MCF)	3.72	3.70	0.02	0 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 O L	0.00	0.00	0.00	0 0 %
48 - LIGHT OIL	20.20	28.05	(7.85)	(28.0 %)
49 - COAL	3.68	4.40	(0.73)	(16.5 %)
50 - GAS	3.64	3.70	(0.06)	(1.6 %)
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)	3.74	3.78	(0.03)	(0.8 %)
BTU BURNED PER KWH (BTU/KWH)				
55 - HEAVY O L	0	0	0	0 0 %
56 - LIGHT OIL	13,340	499,250	(485,910)	(97.3 %)
57 - COAL	9,742	10,621	(879)	(8.3 %)
58 - GAS	7,974	7,429	545	7 3 %
59 - NUCLEAR	0	0	0	0 0 %
60	0	0	0	0 0 %
61	0	0	0	0 0 %
62 - SYSTEM (BTU/KWH)	8,281	7,614	667	8 8 %
GENERATED FUEL COST PER KWH (CENTS/KWH)				
63 - HEAVY O L	0.00	0.00	0.00	0 0 %
64 - LIGHT OIL	26.95	1,400.63	(1,373.67)	(98.1 %)
65 - COAL	3.58	4.68	(1.10)	(23.4 %)
66 - GAS	2.90	2.75	0.15	5 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 %

A-3 Generating System Comparative Data Report

Report Period : 1/1/2019 to 10/1/2019

Duke Energy Florida, LLC

<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 O L	13,016,277	6,149,311	6,866,966	111.7 %
3 - COAL	141,082,081	130,841,135	10,240,946	7.8 %
4 - GAS	904,281,736	910,455,238	(6,173,502)	(0.7 %)
5 - NUCLEAR	0	0	0	0.0 %
6	0	0	0	0.0 %
7	0	0	0	0.0 %
8 - TOTAL (\$)	1,058,380,094	1,047,445,684	10,934,410	1.0 %
SYSTEM NET GENERATION (MWH)				
9 - HEAVY O L	0	0	0	0.0 %
10 - LIGHT OIL	47,583	18,782	28,801	153.3 %
11 - COAL	3,708,962	3,266,567	442,395	13.5 %
12 - GAS	30,521,596	30,764,131	(242,535)	(0.8 %)
13 - NUCLEAR	0	0	0	0.0 %
14 - SOLAR	186,969	186,187	782	0.4 %
15	0	0	0	0.0 %
16 - TOTAL (MWH)	34,465,110	34,235,667	229,443	0.7 %
UNITS OF FUEL BURNED				
17 - HEAVY O L (BBL)	0	0	0	0.0 %
18 - LIGHT OIL (BBL)	110,315	50,647	59,668	117.8 %
19 - COAL (TON)	1,718,971	1,513,936	205,035	13.5 %
20 - GAS (MCF)	227,616,226	226,916,329	699,897	0.3 %
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 O L	0	0	0	0.0 %
25 - LIGHT OIL	635,214	291,605	343,609	117.8 %
26 - COAL	38,381,643	34,587,324	3,794,319	11.0 %
27 - GAS	232,575,668	229,403,796	3,171,872	1.4 %
28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (MILLION BTU)	271,592,525	264,282,725	7,309,800	2.8 %
GENERATION MIX (% MWH)				
32 - HEAVY O L	0.0	0.00	0.0	0.0 %
33 - LIGHT OIL	0.1	0.05	0.1	151.7 %
34 - COAL	10.8	9.54	1.2	12.8 %
35 - GAS	88.6	89.86	(1.3)	(1.4 %)
36 - NUCLEAR	0.0	0.00	0.0	0.0 %
37 - SOLAR	0.54	0.54	(0.00)	(0.2 %)
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 10/1/2019

Duke Energy Florida, LLC

<u>FUEL COST OF SYSTEM</u>	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
FUEL COST PER UNIT (\$)				
40 - HEAVY O L (\$/BBL)	0.00	0.00	0.00	0.0 %
41 - LIGHT OIL (\$/BBL)	115.97	121.42	(5.44)	(4.5 %)
42 - COAL (\$/TON)	82.07	86.42	(4.35)	(5.0 %)
43 - GAS (\$/MCF)	3.97	4.01	(0.04)	(1.0 %)
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 OIL	20.49	21.09	(0.60)	(2.8 %)
49 - COAL	3.68	3.78	(0.11)	(2.8 %)
50 - GAS	3.89	3.97	(0.08)	(2.0 %)
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)	3.90	3.96	(0.07)	(1.7 %)
BTU BURNED PER KWH (BTU/KWH)				
55 - HEAVY O L	0	0	0	0.0 %
56 - LIGHT OIL	13,350	15,526	(2,176)	(14.0 %)
57 - COAL	10,348	10,588	(240)	(2.3 %)
58 - GAS	7,620	7,457	163	2.2 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %
62 - SYSTEM (BTU/KWH)	7,880	7,720	161	2.1 %
GENERATED FUEL COST PER KWH (CENTS/KWH)				
63 - HEAVY O L	0.00	0.00	0.00	0.0 %
64 - LIGHT OIL	27.35	32.74	(5.39)	(16.4 %)
65 - COAL	3.80	4.01	(0.20)	(5.0 %)
66 - GAS	2.96	2.96	0.00	0.1 %
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 %

A-4 System Net Generation and Fuel Cost Report

Report Period : 10/1/2019 to 10/1/2019

Duke Energy Florida, LLC

(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	75	13,352.00	24			0				0	0	0.000	
Osceola Solar Facility 1													
TOTAL UNIT 1	4	547.00	18			0				0	0	0.000	
Perry Solar Facility 1													
TOTAL UNIT 1	5	741.00	20			0				0	0	0.000	
Suwanee Solar Facility													
TOTAL UNIT 1	9	1,441.00	22			0				0	0	0.000	
TOTAL Solar	93	16,081.00				0				0	0	0.000	
Steam													
Anclote													
		151,807.00					Gas	1,619,037	1.027	1,662,751	6,182,018	4.072	3.818
TOTAL UNIT 1	511	151,807.00	40			10,953				1,662,751	6,182,018	4.072	
		138,725.00					Gas	1,492,985	1.027	1,533,296	5,700,709	4.109	3.818
TOTAL UNIT 2	514	138,725.00	36			11,053				1,533,296	5,700,709	4.109	
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													
		294,269.00					Coal	128,721	22.394	2,882,578	10,599,010	3.602	82.341
		0.00					No 2	1,506	5.735	8,638	209,086	0.000	138.835
TOTAL UNIT 4	721	294,269.00	55			9,825				2,891,216	10,808,096	3.673	
		365,817.00					Coal	157,649	22.394	3,530,392	12,980,969	3.548	82.341
		0.00					No 2	1,581	5.735	9,068	219,499	0.000	138.835
TOTAL UNIT 5	721	365,817.00	68			9,675				3,539,459	13,200,468	3.608	
TOTAL Steam	2,467	950,618.00				10,127				9,626,722	35,891,290	4.000	
Gas Turbine													
Avon Park Peaker													
		0.00					Gas	0	0.000	0	(12)	0.000	0.000
TOTAL APP	0	0.00	0			0				0	(12)	0.000	
Bartow Combined Cycle													
TOTAL BCC	998	227,544.00	31			11,101	Gas	2,476,327	1.020	2,525,854	8,768,714	3.854	3.541
		227,544.00								2,525,854	8,768,714	3.854	
Bartow Peaker													
		946.12					No 2	2,515	5.712	14,366	261,710	27.661	104.059
TOTAL BAP	223	3,142.88	2			15,184	Gas	46,557	1.025	47,721	177,520	5.648	3.813
		4,089.00								62,087	439,230	10.742	

A-4 System Net Generation and Fuel Cost Report

Report Period : 10/1/2019 to 10/1/2019

Duke Energy Florida, LLC

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 (\$)
Bayboro Peaker													
TOTAL BYP	238	715.00	0			14,244	No 2	1,783	5.712	10,184	249,112	34.841	139.715
		715.00								10,184	249,112	34.841	
Citrus County													
TOTAL CCCC	1,862	1,044,229.00	75			6,732	Gas	6,871,511	1.023	7,029,556	29,166,510	2.793	4.245
		1,044,229.00								7,029,556	29,166,510	2.793	
Debary Peaker													
TOTAL DEP	712	3,704.65	4			13,901	No 2	8,927	5.769	51,500	1,021,060	27.562	114.379
		20,112.35					Gas	271,710	1.029	279,590	1,039,352	5.168	3.825
		23,817.00								331,089	2,060,412	8.651	
Higgins Peaker													
TOTAL HGP	99	4,651.00	6			16,743	Gas	75,824	1.027	77,871	289,638	6.227	3.820
		4,651.00								77,871	289,638	6.227	
Hines Energy													
TOTAL HEP	2,188	954,883.00	59			7,289	Gas	6,810,144	1.022	6,959,967	22,495,856	2.356	3.303
		954,883.00								6,959,967	22,495,856	2.356	
Intercession City Peaker													
TOTAL ICP	1,202	5,330.27	6			13,226	No 2	12,151	5.802	70,496	1,389,407	26.066	114.345
		52,248.29					Gas	674,815	1.024	691,011	2,398,605	4.591	3.554
		57,579.00								761,506	3,788,012	6.579	
Osprey													
TOTAL OSP	600	276,524.00	62			7,354	Gas	1,989,748	1.022	2,033,522	7,057,866	2.552	3.547
		276,524.00								2,033,522	7,057,866	2.552	
Suwannee Peaker													
TOTAL SRP	203	503.26	7			14,194	No 2	1,228	5.817	7,143	112,936	22.441	91.968
		9,650.24					Gas	133,374	1.027	136,975	509,263	5.277	3.818
		10,154.00								144,118	622,199	6.128	
Tiger Bay Cogen													
TOTAL TBP	231	8,348.00	5			1,564	Gas	12,778	1.022	13,059	46,294	0.555	3.623
		8,348.00								13,059	46,294	0.555	
Univ of Florida Cogen													
TOTAL UFP	46	0.00	48			12,277	No 2	0	0.000	0	0	0.000	0.000
		16,470.40					Gas	196,885	1.027	202,201	617,787	3.751	3.138
		16,470.00								202,201	617,787	3.751	
TOTAL Gas Turbine	8,602	2,629,002.00				7,665				20,151,015	75,601,619	2.876	
SYSTEM	11,162	3,595,701.46				8,281				29,777,737	111,492,910	3.101	

A-4 System Net Generation and Fuel Cost Report

Report Period : 1/1/2019 to 10/1/2019

Duke Energy Florida, LLC

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	75	157,726.00	29			0				0	0	0.000	
Osceola Solar Facility 1													
TOTAL UNIT 1	4	5,656.00	19			0				0	0	0.000	
Perry Solar Facility 1													
TOTAL UNIT 1	5	7,438.00	20			0				0	0	0.000	
Suwanee Solar Facility													
TOTAL UNIT 1	9	16,149.00	25			0				0	0	0.000	
TOTAL Solar	93	186,969.00				0				0	0	0.000	
Steam													
Anclote													
		750,766.00					Gas	8,230,196	1.025	8,438,985	31,728,055	4.226	3.855
TOTAL UNIT 1	511	750,766.00	20			11,240				8,438,985	31,728,055	4.226	
		1,133,896.00					Gas	12,531,990	1.024	12,837,568	52,230,032	4.606	4.168
TOTAL UNIT 2	514	1,133,896.00	30			11,322				12,837,568	52,230,032	4.606	
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													
		2,294,608.00					Coal	1,059,784	22.376	23,713,573	87,222,284	3.801	82.302
		0.00					No 2	20,051	5.727	114,830	2,628,425	0.000	131.087
TOTAL UNIT 4	721	2,294,608.00	44			10,385				23,828,403	89,850,709	3.916	
		1,433,963.56					Coal	659,187	22.252	14,668,070	53,859,797	3.756	81.706
		0.00					No 2	18,608	5.737	106,755	2,471,660	0.000	132.828
TOTAL UNIT 5	721	1,433,963.56	27			10,303				14,774,825	56,331,457	3.928	
TOTAL Steam	2,467	5,613,234.00				10,668				59,879,782	230,140,253	4.000	
Gas Turbine													
Avon Park Peaker													
		142.45					No 2	423	5.816	2,460	44,094	30.953	104.241
		1,116.95					Gas	18,869	1.022	19,291	93,004	8.328	4.930
TOTAL APP	50	1,259.00	0			17,271				21,751	137,098	10.887	
Bartow Combined Cycle													
		5,258,449.00					Gas	40,506,510	1.020	41,300,710	148,328,233	2.821	3.662
TOTAL BCC	1,207	5,258,449.00	60			7,854				41,300,710	148,328,233	2.821	
Bartow Peaker													
		3,271.41					No 2	9,264	5.712	52,916	964,346	29.478	104.096
		17,984.59					Gas	284,294	1.023	290,906	1,150,904	6.399	4.048
TOTAL BAP	223	21,256.00	1			16,175				343,822	2,115,250	9.951	

A-4 System Net Generation and Fuel Cost Report

Report Period : 1/1/2019 to 10/1/2019

Duke Energy Florida, LLC

(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 (\$)
Bayboro Peaker													
TOTAL BYP	238	3,201.70 3,202.00	0				No 2	7,671	5.712	43,817 43,817	1,071,907 1,071,907	33.479 33.479	139.735
Citrus County													
TOTAL CCCC	1,862	9,352,686.00 9,352,686.00	69			6,832	Gas	62,461,242	1.023	63,897,830 63,897,830	295,376,198 295,376,198	3.158 3.158	4.729
Debary Peaker													
TOTAL DEP	712	8,074.89 117,552.11 125,627.00	2			13,845	No 2 Gas	19,374 1,585,333	5.771 1.027	111,798 1,627,522 1,739,320	2,215,982 6,297,015 8,512,997	27.443 5.357 6.776	114.379 3.972
Higgins Peaker													
TOTAL HGP	119	15,424.70 15,425.00	2			16,464	Gas	247,721	1.025	253,950 253,950	961,738 961,738	6.235 6.235	3.882
Hines Energy													
TOTAL HEP	2,188	10,608,386.00 10,608,386.00	66			7,216	Gas	74,990,854	1.021	76,555,311 76,555,311	273,454,343 273,454,343	2.578 2.578	3.647
Intercession City Peaker													
TOTAL ICP	1,202	12,621.78 319,443.06 332,065.00	4			13,236	No 2 Gas	28,795 4,133,020	5.802 1.023	167,059 4,228,087 4,395,146	3,032,948 14,668,396 17,701,344	24.029 4.592 5.331	105.329 3.549
Osprey													
TOTAL OSP	600	1,907,353.00 1,907,353.00	44			7,352	Gas	13,726,302	1.022	14,023,382 14,023,382	48,099,515 48,099,515	2.522 2.522	3.504
Suwannee Peaker													
TOTAL SRP	203	2,240.35 57,101.75 59,342.00	4			13,818	No 2 Gas	5,322 770,284	5.817 1.024	30,958 789,055 820,013	489,014 3,136,712 3,625,726	21.828 5.493 6.110	91.885 4.072
Tiger Bay Cogen													
TOTAL TBP	231	716,151.00 716,151.00	42			7,747	Gas	5,430,455	1.022	5,547,897 5,547,897	18,669,241 18,669,241	2.607 2.607	3.438
Univ of Florida Cogen													
TOTAL UFP	46	439.86 263,268.94 263,709.00	79			10,503	No 2 Gas	797 2,699,156	5.797 1.024	4,620 2,765,175 2,769,795	97,902 10,088,349 10,186,251	22.257 3.832 3.863	122.838 3.738
TOTAL Gas Turbine	8,881	28,664,910.00				7,386				211,712,743	828,239,840	2.889	
SYSTEM	11,441	34,465,112.10				7,880				271,592,525	1,058,380,094	3.071	

A-5 System Generation Fuel Cost Report

Report Period : 10/1/2019 to 10/1/2019

Duke Energy Florida, LLC

	<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)	4,600	1,028	3,572	347.5%
20 - UNIT COST (\$/BBL)	141.40	163.50	(22.10)	(13.5%)
21 - AMOUNT (\$)	650,422	168,075	482,347	287.0%
22 - BURNED				
23 - UNITS (BBL)	31,611	1,028	30,583	2975.0%
24 - UNIT COST (\$/BBL)	109.54	163.50	(53.95)	(33.0%)
25 - AMOUNT (\$)	3,462,810	168,075	3,294,735	1960.3%
26 - ADJUSTMENTS				
27 - UNITS (BBL)	0			
28 - AMOUNT (\$)	0			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	613,507	659,427	(45,920)	(7.0%)
31 - UNIT COST (\$/BBL)	109.29	108.99	0.30	0.3%
32 - AMOUNT (\$)	67,049,536	71,867,960	(4,818,424)	(6.7%)
33 -				
34 - DAYS SUPPLY	602	19,244	(18,642)	(96.9%)

A-5 System Generation Fuel Cost Report

Report Period : 10/1/2019 to 10/1/2019

Duke Energy Florida, LLC

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	191,822	106,143	85,679	80.7%
37 - UNIT COST (\$/TON)	85.32	103.05	(17.73)	(17.2%)
38 - AMOUNT (\$)	16,366,421	10,938,395	5,428,026	49.6%
39 - BURNED				
40 - UNITS (TON)	286,370	106,143	180,227	169.8%
41 - UNIT COST (\$/TON)	82.34	103.05	(20.71)	(20.1%)
42 - AMOUNT (\$)	23,579,979	10,938,395	12,641,584	115.6%
43 - ADJUSTMENTS				
44 - UNITS (TON)	0			
45 - AMOUNT (\$)	0			
46 - ENDING INVENTORY				
47 - UNITS (TON)	245,220	417,395	(172,175)	(41.2%)
48 - UNIT COST (\$/TON)	82.34	86.34	(4.00)	(4.6%)
49 - AMOUNT (\$)	20,191,649	36,037,880	(15,846,231)	(44.0%)
50 -				
51 - DAYS SUPPLY	27	118	(91)	(77.5%)
GAS				
52 - BURNED				
53 - UNITS (MCF)	22,671,695	22,808,534	(136,839)	(0.6%)
54 - UNIT COST (\$/MCF)	3.72	3.70	0.02	0.6%
55 - AMOUNT (\$)	84,450,121	84,417,101	33,020	0.0%
NUCLEAR				
56 - BURNED				
57 - UNITS (MMBTU)	0	0	0	0.0%
58 - UNIT COST (\$/MMBTU)	0.00	0.00	0.00	0.0%
59 - AMOUNT (\$)	0	0	0	0.0%

A-5 System Generation Fuel Cost Report

Report Period : 1/1/2019 to 10/1/2019

Duke Energy Florida, LLC

	<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)	38,824	23,155	15,669	67.7%
20 - UNIT COST (\$/BBL)	135.85	139.31	(3.46)	(2.5%)
21 - AMOUNT (\$)	5,274,324	3,225,780	2,048,544	63.5%
22 - BURNED				
23 - UNITS (BBL)	112,235	50,647	61,588	121.6%
24 - UNIT COST (\$/BBL)	115.97	121.42	(5.44)	(4.5%)
25 - AMOUNT (\$)	13,016,277	6,149,310	6,866,967	111.7%
26 - ADJUSTMENTS				
27 - UNITS (BBL)	0			
28 - AMOUNT (\$)	0			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	613,507	659,427	(45,920)	(7.0%)
31 - UNIT COST (\$/BBL)	109.29	108.99	0.30	0.3%
32 - AMOUNT (\$)	67,049,536	71,867,960	(4,818,424)	(6.7%)
33 -				
34 - DAYS SUPPLY	0	0	0	0.0%

A-5 System Generation Fuel Cost Report

Report Period : 1/1/2019 to 10/1/2019

Duke Energy Florida, LLC

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	1,370,527	1,305,396	65,131	5.0%
37 - UNIT COST (\$/TON)	86.37	92.86	(6.49)	(7.0%)
38 - AMOUNT (\$)	118,377,100	121,217,852	(2,840,752)	(2.3%)
39 - BURNED				
40 - UNITS (TON)	1,718,971	1,513,936	205,035	13.5%
41 - UNIT COST (\$/TON)	82.07	86.42	(4.35)	(5.0%)
42 - AMOUNT (\$)	141,082,081	130,841,135	10,240,946	7.8%
43 - ADJUSTMENTS				
44 - UNITS (TON)	(32,271)			
45 - AMOUNT (\$)	(2,764,536)			
46 - ENDING INVENTORY				
47 - UNITS (TON)	245,220	417,395	(172,175)	(41.2%)
48 - UNIT COST (\$/TON)	82.34	86.34	(4.00)	(4.6%)
49 - AMOUNT (\$)	20,191,649	36,037,880	(15,846,231)	(44.0%)
50 -				
51 - DAYS SUPPLY	0	0	0	0.0%
GAS				
52 - BURNED				
53 - UNITS (MCF)	227,616,226	226,916,329	699,897	0.3%
54 - UNIT COST (\$/MCF)	3.97	4.01	(0.04)	(1.0%)
55 - AMOUNT (\$)	904,281,736	910,455,238	(6,173,502)	(0.7%)
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
October 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 C/KWH	Total Cost C/KWH	Fuel Adj Total \$	Total Cost \$	Gain on Sales \$
ESTIMATED		5,065		5,065	3.117	3.942	157,883.00	199,669 00	41,786.00
ACTUAL									
Orlando Utilities Commission	Schedule OS	1,320		1,320	5.450	4.339	71,937.60	57,274 80	(14,662.00)
Reedy Creek Improvement District	CR-1	8,665		8,665	1.496	1.922	129,653.90	166,576 80	36,922.90
The Energy Authority	EI	80		80	2.751	4.529	2,200.77	3,623 21	1,422.44
Adjustments									
Tallahassee (City of)	Schedule A	-		-	0.000		-	2,412 00	2,412.00
PJM Settlements								53.06	53.06
Subtotal - Gain on Other Power Sales		10,065	-	10,065	2.025	2.285	203,792.27	229,939 87	26,148.40
CURRENT MONTH TOTAL		10,065		10,065	2.025	2.285	203,792.27	229,939 87	26,148.40
DIFFERENCE		5,000		5,000	(1.093)	(1.658)	45,909.27	30,270 87	(15,637.60)
DIFFERENCE %		98.73		98.73	(35.05)	(42.05)	29.08	15.16	(37.42)
CUMULATIVE ACTUAL		140,537		140,537	2.885	3.951	4,054,483.37	5,552,444 85	1,497,962.40
CUMULATIVE ESTIMATED		129,570		129,570	3.459	4.666	4,482,156.00	6,045,281 00	1,563,125.00
DIFFERENCE		10,967		10,967	-0.574	(0.715)	(427,672.63)	(492,836.15)	(65,162.60)
DIFFERENCE %		8.46		8.46	(16.60)	(15.32)	(9.54)	(8.15)	(4.17)

DUKE ENERGY FLORIDA, LLC
SCHEDULE A7

PURCHASED POWER
EXCLUSIVE OF ECONOMY PURCHASES
FOR THE MONTH OF:
October, 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	KWH FOR FIRM (000)	FUEL COST C/KWH	TOTAL COST C/KWH	TOTAL AMOUNT FOR FUEL ADJ \$	FUEL COST \$
ESTIMATED		205,209			205,209	3.478	3.478	7,136,160	7,136,160
ACTUAL									
Shady Hills Power Company, L.L.C.	TOLL	52,983			52,983	4.941	4.941	2,618,029.60	2,618,029.60
Southern Power Company	Franklin	133,687			133,687	2.942	2.942	3,933,179.84	3,933,179.84
Vandolah Power Company L.L.C.	TOLL	121,855			121,855	4.304	4.304	5,245,010.05	5,245,010.05
ADJUSTMENTS									
Vandolah Power Company L.L.C.	TOLL	(397)			(397)	28.196	28.196	(111,938.94)	(111,938.94)
Shady Hills Power Company, L.L.C.	TOLL	98			98	(1.306)	(1.306)	(1,280.11)	(1,280.11)
Southern Power Company	Franklin	-			-	-	-	(35,888.55)	(35,888.55)
CURRENT MONTH TOTAL		308,226			308,226	3.779	3.779	11,647,111.89	11,647,111.89
DIFFERENCE		103,017			103,017	0.301	0.301	4,510,951.89	4,510,951.89
DIFFERENCE %		50			50	8.663	8.663	63.21	63.21
CUMULATIVE ACTUAL		2,119,485			2,119,485	3.986	3.986	84,472,730.74	84,472,730.74
CUMULATIVE ESTIMATED		1,842,690			1,842,690	3.955	3.955	72,884,860.00	72,884,860.00
DIFFERENCE		276,795			276,795	0.030	0.030	11,587,870.74	11,587,870.74
DIFFERENCE %		15			15	1.890	1.890	15.90	15.90

DUKE ENERGY FLORIDA, LLC
SCHEDULE A8

ENERGY PAYMENT TO QUALIFYING FACILITIES
FOR THE MONTH OF
OCTOBER, 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		234,003	-	-	234,003	4.163	15.170	9,742,112.22
ACTUAL								
Citrus World (CITRUS) ADJ	CO-GEN	23 11			23 11	2.293	2 293	520.82 281.96
Florida Power Development (FCRUSHAS) ADJ	CO-GEN	-			-	-	0 000	-
Florida Power Development (FLACRUSH) ADJ	CO-GEN	-			-	-	0 000	-
Lake County (LAKCOUNT) ADJ	CO-GEN	38			38	2.093	2 093	795.20 (18.36)
Lee County (LEECOGAS) ADJ	CO-GEN	-			-	-	0 000	-
Metro-Dade County (METRDADE) ADJ	CO-GEN	-			-	-	0 000	-
Metro-Dade County (METRDDAS) ADJ	CO-GEN	-			-	-	0 000	-
Orange Cogen (ORANGEAS) ADJ	CO-GEN	1,038			1,038	2.102	2.102	21,820.23 1,506.63
Orange Cogen (ORANGECO) ADJ	CO-GEN	24,492			24,492	4.068	26 937	996,425.63 (15.62)
Orlando Cogen Limited (ORLACOGL) ADJ	CO-GEN	75,701			75,701	5.349	12.757	4,049,244.38 (28,293.39)
Orlando Cogen Limited (ORLCOGAS) ADJ	CO-GEN	-			-	-	0 000	-
Pasco County Resource Recovery (PASCOUNT) ADJ	CO-GEN	17,613			17,613	2.251	13 958	396,416.39 42,878.73
PCS Phosphate (OCSWFCRK) ADJ	CO-GEN	43 (70)			43 (70)	2.282	2 282	976.73 (1,150.34)
Pinellas County Resource Recovery (PINCOUNT) ADJ	CO-GEN	33,148			33,148	2.250	17 041	745,681.16 96,410.05
Polk Power Partners, L.P. (MULBERRY) ADJ	CO-GEN	36,284			36,284	2.763	24 266	1,002,424.23 108,302.80
Wheelabrator Ridge Energy, Inc. (RIDGEGEN) ADJ	CO-GEN	-			-	-	-	-
CURRENT MONTH TOTAL		188,321			188,321	3.948	17 625	7,434,207.22
DIFFERENCE		(45,682)			(45,682)	(0.216)	2.454	(2,307,905.00)
DIFFERENCE %		(19.52)			(19 52)	(5.18)	16.18	(23.69)
CUMULATIVE ACTUAL		2,078,350			2,078,350	4	16.405	82,584,749.15
CUMULATIVE EST MATED		2,222,443			2,222,443	4	15 699	90,536,973.65
CUMULATIVE D FFERENCE		(144,093)			(144,093)	(0.100)	0.706	(7,952,224.50)
CUMULATIVE D FFERENCE %		(6.48)			(6.48)	(2.46)	4.50	(8.78)

DUKE ENERGY FLORIDA, LLC.
SCHEDULE A9

ECONOMY ENERGY PURCHASES
INCLUDING LONG TERM PURCHASES
FOR THE MONTH OF
OCTOBER, 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		3,292	4.181	137,662	4.830	159,022	21,360
ACTUAL							
SubTotal - Energy Purchases (Broker)		-		-		-	-
SEPA	Hydro	-	0.000	-	0.000	-	-
Carolina Pwr & Lt dba Progress Enrgy Carolinas Inc	Transmission Purchase	-	0.000	691.50	0.000	-	(691.50)
Exelon Generation Company, LLC	InternationalSwapsDe	6,930	4.036	279,725.00	12.805	887,419.12	607,694.12
Florida Power & Light Company	Transmission Purchase	-	0.000	130,276.13	0.000	-	(130,276.13)
Florida Power & Light Company		1,625	3.392	55,125.00	5.754	93,506.25	38,381.25
Jacksonville Electric Authority	Transmission Purchase	-	0.000	384.00	0.000	-	(384.00)
Macquarie Energy LLC		5,445	5.422	295,230.00	10.039	546,639.79	251,409.79
Morgan Stanley Capital Group Inc.	EEl	3,248	3.436	111,588.00	11.149	362,118.84	250,530.84
Orlando Utilities Commission	Schedule OS	400	12.300	49,200.00	20.913	83,652.00	34,452.00
Rainbow Energy Marketing Corporation		3,377	4.972	167,906.00	3.047	102,912.57	(64,993.43)
Southern Company Services, Inc.	EEl	400	3.750	15,000.00	17.493	69,971.40	54,971.40
Tallahassee (City of)	Schedule OS	195	0.231	450.00	1.670	3,256.10	2,806.10
Tampa Electric Company	EEl2	4,333	4.681	202,844.00	6.097	264,171.58	61,327.58
The Energy Authority	EEl	75	7.300	5,475.00	30.056	22,542.00	17,067.00
ADJUSTMENTS							
Carolina Pwr & Lt dba Progress Enrgy Carolinas Inc	Transmission Purchase			(1,121.00)			1,121.00
PJM Settlements				41.86			(41.86)
Jacksonville Electric Authority				(260.68)			260.68
SubTotal - Energy Purchases (Non-Broker)		26,028	5.043	1,312,554.81	9.360	2,436,189.65	1,123,634.84
CURRENT MONTH TOTAL		26,028	5.043	1,312,554.81	9.360	2,436,189.65	1,123,634.84
DIFFERENCE		22,736	0.862	1,174,892.81	4.530	2,277,167.65	1,102,274.84
DIFFERENCE %		691	20.604	853.46	93.782	1,431.98	5,160.46
CUMULATIVE ACTUAL		117,256	4.340	5,088,386.00	6.050	7,093,620.36	2,005,801.67
CUMULATIVE ESTIMATED		65,806	3.967	2,610,587.00	4.071	2,679,118.00	68,531.00
DIFFERENCE		51,450	0.372	2,477,799.00	1.978	4,414,502.36	1,937,270.67
DIFFERENCE %		78	9.388	94.91	48.595	164.77	2,826.85

DUKE ENERGY FLORIDA
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	5,600,934	5,600,934	5,600,934	5,600,934	5,600,934	5,600,934	5,600,934	5,600,934	5,600,934	5,600,934	56,009,337.80
2 Orlando Cogen Limited (ORLACOGL)	QF	79.20	9/1/93 - 12/31/23	5,636,162	5,636,162	5,636,162	5,636,162	5,636,162	5,636,162	5,636,162	5,636,162	5,636,162	5,636,162	5,636,162	5,636,162	56,361,619.20
3 Pasco County Resource Recovery (PASCOUNT)	QF	23.00	1/1/95 - 12/31/24	2,019,170	2,019,170	2,019,170	2,019,170	2,019,170	2,019,170	2,019,170	2,019,170	2,019,170	2,019,170	2,019,170	2,019,170	20,191,700.00
4 Pinellas County Resource Recovery (PINCOUNT)	QF	54.75	1/1/95 - 12/31/24	4,806,503	4,806,503	4,806,503	4,806,503	4,806,503	4,806,503	4,806,503	4,806,503	4,806,503	4,806,503	4,806,503	4,806,503	48,065,025.00
5 Polk Power Partners, L.P. (MULBERRY)	QF	115.00	8/1/94 - 8/8/24	7,693,916	7,693,916	7,693,916	7,693,916	7,693,916	7,693,916	7,693,916	7,693,916	7,693,916	7,693,916	7,693,916	7,693,916	76,939,156.60
6 Wheelabrator Ridge Energy, Inc. (RIDGEGEN)	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	2,752,978	2,755,639	2,814,130	5,254,911	6,502,231	6,128,473	4,721,360	2,755,745			43,099,771.38
8 Retail Wheeling				(45,534)	(8,443)	(35,373)	(39,200)	(57,327)	(29,146)	(30,224)	(2,595)	(14,622)	(443)			(262,907.03)
9 CR-3 Projected Expense				3,775,626	3,753,198	3,730,770	3,708,343	3,685,916	3,663,488	3,641,061	3,618,633	3,596,207	3,573,779			36,747,021.80
10 ISFSI Return				573,320	573,320	573,320	573,320	573,320	573,320	573,320	573,320	573,320	573,320			5,733,197.46
11 Vandolah Capacity Purchase			June 2012 - May 2027	2,919,279	2,891,051	1,947,614	1,942,582	2,793,653	5,773,604	5,928,134	5,787,984	2,747,117	1,940,621			34,671,640.23
12 Schedule H Capacity Sales - Tallahassee	1	-1	on-going no term date	(48,411)	0	(64,548)	0	0	(114,031)	6,705	0	131,000	0			(89,285.14)
13 Shady Hills Tolling	1	517	4/1/07-4/30/24	1,976,940	1,976,940	1,412,100	1,366,200	1,912,680	3,888,000	3,888,000	3,888,000	(2,073,600)	1,366,200			19,601,460.00
14 RidgeGen Agreement Termination				0	750,770	747,221	743,672	740,123	736,573	730,453	726,952	723,451	719,950			6,619,166.20
15 Hamilton SoBRA True-Up				0	0	0	0	0	0	0	0	(478,334)	0			(478,334.00)
TOTAL				40,320,791	40,495,882	36,820,766	36,807,240	38,219,179	45,503,404	46,996,364	46,477,452	35,682,583	36,685,856	0	0	404,009,515