



Matthew R. Bernier
ASSOCIATE GENERAL COUNSEL

January 18, 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 Revised Schedules A3 through A4 for the reporting month of October 2018. Also attached are Schedules A1 through A9 and A12 for the reporting month of December 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/cm
Attachments

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true copy of Duke Energy Florida, LLC's Revised Schedules A3-A4 for the month of October 2018 and Schedules A1-A9 and A12 for the month of December 2018 have been furnished to the following individuals via e-mail on this 18th day of January, 2019.

/s/ Matthew R. Bernier

Attorney

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Duke Energy Florida, LLC's
Revised Schedules A3-A4
October 2018

A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Report Period : **Revised** 10/1/2018 to 10/1/2018

Run Date: 1/9/2019 4:07:18 PM

FUEL COST OF SYSTEM	ACTUAL	ESTIMATED	DIFFERENCE	DIFFERENCE (%)
NET GENERATION (\$)				
1 - HEAVY OIL	0	0	0	0.0 %
2 - LIGHT OIL	1,218,860	159,129	1,059,731	666.0 %
3 - COAL	29,460,959	28,261,026	1,199,933	4.2 %
4 - GAS	86,900,410	84,616,142	2,284,268	2.7 %
5 - NUCLEAR	0	0	0	0.0 %
6	0	0	0	0.0 %
7	0	0	0	0.0 %
8 - TOTAL (\$)	117,580,229	113,036,297	4,543,932	4.0 %
SYSTEM NET GENERATION (MWH)				
9 - HEAVY OIL	0	0	0	0.0 %
10 - LIGHT OIL	4,091	57	4,034	7076.9 %
11 - COAL	911,936	850,628	61,308	7.2 %
12 - GAS	2,436,127	2,412,462	23,665	1.0 %
13 - NUCLEAR	0	0	0	0.0 %
14 - SOLAR	2,059	3,433	(1,374)	(40.0 %)
15	0	0	0	0.0 %
16 - TOTAL (MWH)	3,354,213	3,266,580	87,633	2.7 %
UNITS OF FUEL BURNED				
17 - HEAVY OIL (BBL)	0	0	0	0.0 %
18 - LIGHT OIL (BBL)	10,685	940	9,745	1036.7 %
19 - COAL (TON)	400,000	372,764	27,236	7.3 %
20 - GAS (MCF)	19,122,526	18,322,965	799,561	4.4 %
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	59,848	5,479	54,369	992.3 %
26 - COAL	9,160,175	8,742,064	418,111	4.8 %
27 - GAS	19,541,229	18,322,965	1,218,264	6.6 %
28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (MILLION BTU)	28,761,253	27,070,508	1,690,745	6.2 %
GENERATION MIX (% MWH)				
32 - HEAVY OIL	0.0	0.00	0.0	0.0 %
33 - LIGHT OIL	0.1	0.00	0.1	6889.4 %
34 - COAL	27.2	26.04	1.1	4.4 %
35 - GAS	72.6	73.85	(1.2)	(1.7 %)
36 - NUCLEAR	0.0	0.00	0.0	0.0 %
37 - SOLAR	0.06	0.11	(0.04)	(41.6 %)
38	0	0	0	0
39 - TOTAL (% MWH)	100	100	0.0	0.0 %

A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Report Period : **Revised** 10/1/2018 to 10/1/2018
 Run Date: 1/9/2019 4:07:18 PM

FUEL COST PER UNIT (\$)

40 - HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.0 %
41 - LIGHT OIL (\$/BBL)	114.07	169.29	(55.21)	(32.6 %)
42 - COAL (\$/TON)	73.65	75.81	(2.16)	(2.9 %)
43 - GAS (\$/MCF)	4.54	4.62	(0.07)	(1.6 %)
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	20.37	29.04	(8.68)	(29.9 %)
49 - COAL	3.22	3.23	(0.02)	(0.5 %)
50 - GAS	4.45	4.62	(0.17)	(3.7 %)
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)	4.09	4.18	(0.09)	(2.1 %)
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BTU BURNED PER KWH (BTU/KWH)

55 - HEAVY OIL	0	0	0	0.0 %
56 - LIGHT OIL	14,630	96,123	(81,493)	(84.8 %)
57 - COAL	10,045	10,277	(232)	(2.3 %)
58 - GAS	8,021	7,595	426	5.6 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %

62 - SYSTEM (BTU/KWH)	8,575	8,287	288	3.5 %
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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	29.80	279.17	(249.38)	(89.3 %)
65 - COAL	3.23	3.32	(0.09)	(2.8 %)
66 - GAS	3.57	3.51	0.06	1.7 %
67 - NUCLEAR	0.00	0.00	0.00	0.0 %
68	0.00	0.00	0.00	0.0 %
69	0.00	0.00	0.00	0.0 %

70 - SYSTEM (CENTS/KWH)	3.51	3.46	0.05	1.3 %
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A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Revised

Report Period : 1/1/2018 to 10/1/2018

Run Date: 1/9/2019 4:11:46 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	21,189,825	15,695,217	5,494,608	35.0 %
3 - COAL	244,119,390	268,004,049	(23,884,659)	(8.9 %)
4 - GAS	840,853,233	833,907,314	6,945,919	0.8 %
5 - NUCLEAR	0	0	0	0.0 %
6	0	0	0	0.0 %
7	0	0	0	0.0 %
8 - TOTAL (\$)	1,106,162,447	1,117,606,580	(11,444,133)	(1.0 %)
SYSTEM NET GENERATION (MWH)				
9 - HEAVY OIL	0	0	0	0.0 %
10 - LIGHT OIL	84,531	60,434	24,097	39.9 %
11 - COAL	7,350,669	7,881,499	(530,830)	(6.7 %)
12 - GAS	24,331,531	23,912,329	419,202	1.8 %
13 - NUCLEAR	0	0	0	0.0 %
14 - SOLAR	22,608	30,531	(7,923)	(26.0 %)
15	0	0	0	0.0 %
16 - TOTAL (MWH)	31,789,339	31,884,793	(95,454)	(0.3 %)
UNITS OF FUEL BURNED				
17 - HEAVY OIL (BBL)	0	0	0	0.0 %
18 - LIGHT OIL (BBL)	185,422	134,101	51,321	38.3 %
19 - COAL (TON)	3,288,040	3,541,283	(253,243)	(7.2 %)
20 - GAS (MCF)	189,239,320	184,644,257	4,595,063	2.5 %
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	1,069,790	776,286	293,504	37.8 %
26 - COAL	75,556,785	81,802,096	(6,245,311)	(7.6 %)
27 - GAS	193,197,471	186,760,866	6,436,605	3.4 %
28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (MILLION BTU)	269,824,045	269,339,248	484,797	0.2 %
GENERATION MIX (% MWH)				
32 - HEAVY OIL	0.0	0.00	0.0	0.0 %
33 - LIGHT OIL	0.3	0.19	0.1	40.3 %
34 - COAL	23.1	24.72	(1.6)	(6.5 %)
35 - GAS	76.5	75.00	1.5	2.1 %
36 - NUCLEAR	0.0	0.00	0.0	0.0 %
37 - SOLAR	0.07	0.10	(0.02)	(25.7 %)
38	0	0	0	0
39 - TOTAL (% MWH)	100	100	0.0	0.0 %

A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Revised

Report Period : 1/1/2018 to 10/1/2018

Run Date: 1/9/2019 4:11:46 PM

FUEL COST PER UNIT (\$)

40 - HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.0 %
41 - LIGHT OIL (\$/BBL)	114.28	117.04	(2.76)	(2.4 %)
42 - COAL (\$/TON)	74.24	75.68	(1.44)	(1.9 %)
43 - GAS (\$/MCF)	4.44	4.52	(0.07)	(1.6 %)
44 - NUCLEAR (\$/MBTU)	0.00	0.00	0.00	0.0 %
45	0.00	0.00	0.00	0.0 %
46	0.00	0.00	0.00	0.0 %

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

47 - HEAVY OIL	0.00	0.00	0.00	0.0 %
48 - LIGHT OIL	19.81	20.22	(0.41)	(2.0 %)
49 - COAL	3.23	3.28	(0.05)	(1.4 %)
50 - GAS	4.35	4.47	(0.11)	(2.5 %)
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)	4.10	4.15	(0.05)	(1.2 %)
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BTU BURNED PER KWH (BTU/KWH)

55 - HEAVY OIL	0	0	0	0.0 %
56 - LIGHT OIL	12,656	12,845	(190)	(1.5 %)
57 - COAL	10,279	10,379	(100)	(1.0 %)
58 - GAS	7,940	7,810	130	1.7 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %

62 - SYSTEM (BTU/KWH)	8,488	8,447	41	0.5 %
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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	25.07	25.97	(0.90)	(3.5 %)
65 - COAL	3.32	3.40	(0.08)	(2.3 %)
66 - GAS	3.46	3.49	(0.03)	(0.9 %)
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)	3.48	3.51	(0.03)	(0.7 %)
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A-4 System Net Generation and Fuel Cost Report

Revised

Report Period : 10/1/2018 to 10/1/2018

Duke Energy Florida, LLC

Run Date: 1/9/2019 4:32:43 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/UNIT)	(K) FUEL BURNED (MMBTU)	(L) AS BURNED FUEL COST (\$)	(M) FUEL COST PER KWH (CENTS/KWH)	(N) FUEL COST PER UNIT (\$)
Solar													
Osceola Solar Facility 1													
TOTAL UNIT 1	4	430.00	14			0				0	0	0.000	
Perry Solar Facility 1													
TOTAL UNIT 1	5	0.00				0				0	0	0.000	
Suwanee Solar Facility													
TOTAL UNIT 1	9	1,629.00	24			0				0	0	0.000	
TOTAL Solar	18	2,059.00				0				0	0	0.000	
Steam													
Anclote													
		152,783.00					Gas	1,652,936	1.026	1,695,912	8,906,733	5.830	5.388
TOTAL UNIT 1	511	152,783.00	40			11,100				1,695,912	8,906,733	5.830	
		138,667.00					Gas	1,497,973	1.026	1,536,920	8,071,726	5.821	5.388
TOTAL UNIT 2	514	138,667.00	36			11,084				1,536,920	8,071,726	5.821	
Crystal River 1 & 2													
TOTAL UNIT 1		0.00				0				0	0	0.000	
		77,852.28					Coal	42,510	22.228	944,912	4,221,264	5.422	99.301
		0.00					No 2	244	5.756	1,404	28,698	0.000	117.613
TOTAL UNIT 2	448	77,852.28	23			12,155				946,317	4,249,962	5.459	
Crystal River 4 & 5													
		440,456.00					Coal	186,997	22.980	4,297,266	13,202,459	2.997	70.603
		0.00					No 2	458	5.768	2,642	53,795	0.000	117.457
TOTAL UNIT 4	721	440,456.00	82			9,762				4,299,907	13,256,255	3.010	
		394,687.00					Coal	170,493	22.980	3,917,997	12,037,235	3.050	70.603
		0.00					No 2	1,155	5.796	6,694	135,663	0.000	117.457
TOTAL UNIT 5	721	394,687.00	74			9,944				3,924,692	12,172,898	3.084	
TOTAL Steam	2,915	1,204,445.00				10,298				12,403,748	46,657,574	3.874	

A-4 System Net Generation and Fuel Cost Report

Revised

Report Period : 10/1/2018 to 10/1/2018

Duke Energy Florida, LLC

Run Date: 1/9/2019 4:32:43 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/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													
		8.33					No 2	33	5.816	192	3,440	41.295	104.241
		76.47					Gas	1,719	1.025	1,762	9,600	12.554	5.585
TOTAL APP	50	85.00	0			23,041				1,954	13,040	15.378	
Bartow Combined Cycle													
		674,976.00					Gas	5,011,115	1.018	5,101,315	24,248,810	3.593	4.839
TOTAL BCC	1,197	674,976.00	76			7,558				5,101,315	24,248,810	3.593	
Bartow Peaker													
		26.54					No 2	71	5.712	406	7,387	27.837	104.047
		2,668.46					Gas	39,862	1.023	40,779	218,401	8.185	5.479
TOTAL BAP	223	2,695.00	2			15,282				41,184	225,788	8.378	
Bayboro Peaker													
		98.20					No 2	983	5.712	5,615	138,668	141.210	141.066
TOTAL BYP	179	98.00	0			57,178				5,615	138,668	141.210	
Citrus County													
		163,398.00					Gas	1,408,229	1.026	1,444,843	5,492,121	3.361	3.900
TOTAL CCCC	1,497	163,398.00	15			8,842				1,444,843	5,492,121	3.361	
Debary Peaker													
		2,000.13					No 2	5,638	5.443	30,685	644,868	32.241	114.379
		1,873.87					Gas	28,020	1.026	28,749	167,809	8.955	5.989
TOTAL DEP	420	3,874.00	1			15,342				59,434	812,677	20.978	
Higgins Peaker													
		2,484.20					Gas	41,724	1.025	42,767	223,872	9.012	5.366
TOTAL HGP	116	2,484.00	3			17,216				42,767	223,872	9.012	
Hines Energy													
		917,713.70					Gas	6,450,114	1.021	6,585,569	24,726,430	2.694	3.833
TOTAL HEP	2,199	917,714.00	56			7,176				6,585,569	24,726,430	2.694	
Intercession City Peaker													
		846.15					No 2	1,904	5.802	11,046	187,947	22.212	98.712
		35,819.30					Gas	455,763	1.026	467,613	2,339,566	6.532	5.133
TOTAL ICP	1,139	36,665.00	4			13,055				478,659	2,527,513	6.893	
Osprey													
		195,723.00					Gas	1,385,390	1.025	1,420,025	6,825,673	3.487	4.927
TOTAL OSP	600	195,723.00	44			7,255				1,420,025	6,825,673	3.487	
Suwannee Peaker													
		80.95					No 2	200	5.817	1,163	18,394	22.723	91.968
		4,716.95					Gas	66,140	1.025	67,794	349,290	7.405	5.281
TOTAL SRP	136	4,798.00	5			14,372				68,957	367,683	7.663	
Tiger Bay Cogen													
		125,082.00					Gas	862,146	1.021	880,251	4,242,891	3.392	4.921
TOTAL TBP	231	125,082.00	73			7,037				880,251	4,242,891	3.392	
Univ of Florida Cogen													
		0.00					No 2	0	0.000	0	0	0.000	0.000
		20,115.90					Gas	221,395	1.025	226,931	1,077,489	5.356	4.867
TOTAL UFP	47	20,116.00	58			11,281				226,931	1,077,489	5.356	
TOTAL Gas Turbine	8,034	2,147,708.00				7,616				16,357,504	70,922,655	3.302	

A-4 System Net Generation and Fuel Cost Report

Revised

Report Period : 10/1/2018 to 10/1/2018

Duke Energy Florida, LLC

Run Date: 1/9/2019 4:32:43 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 (\$)
SYSTEM	10,967	3,354,212.43				8,575				28,761,253	117,580,229	3.505	

A-4 System Net Generation and Fuel Cost Report

Revised

Report Period : 1/1/2018 to 10/1/2018

Duke Energy Florida, LLC

Run Date: 1/9/2019 4:49:42 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 1													
TOTAL UNIT 1	4	5,350.00	18			0				0	0	0.000	
Perry Solar Facility 1													
TOTAL UNIT 1	5	4,647.00	13			0				0	0	0.000	
Suwanee Solar Facility													
TOTAL UNIT 1	9	12,611.00	19			0				0	0	0.000	
TOTAL Solar	18	22,608.00				0				0	0	0.000	
Steam													
Anclote													
TOTAL UNIT 1	511	1,458,739.00	39			10,851	Gas	15,465,152	1.023	15,828,054	71,695,269	4.915	4.636
TOTAL UNIT 2	514	978,571.00	26			11,289	Gas	10,792,462	1.024	11,047,156	49,931,467	5.102	4.627
Crystal River 1 & 2													
TOTAL UNIT 1	332	99,401.00	4			11,635	Coal No 2	50,272 1,449	22.840 5.747	1,148,211 8,327	4,899,718 188,355	4.929 0.000	97.464 129.990
TOTAL UNIT 2	448	717,073.42	22			12,506	Coal No 2	398,736 15,573	22.266 5.752	8,878,353 89,578	39,185,374 1,839,438	5.465 0.000	98.274 118.117
Crystal River 4 & 5													
TOTAL UNIT 4	721	3,260,905.00	62			10,000	Coal No 2	1,405,141 15,560	23.143 5.765	32,518,927 89,696	99,358,804 1,939,233	3.047 0.000	70.711 124.629
TOTAL UNIT 5	721	3,299,337.00	63			10,035	Coal No 2	1,433,891 16,903	23.022 5.771	33,011,294 97,550	100,675,494 2,017,065	3.051 0.000	70.211 119.332
TOTAL Steam	2,915	9,814,026.00				10,466				102,717,146	371,730,217	3.788	

A-4 System Net Generation and Fuel Cost Report

Revised
Report Period : 1/1/2018 to 10/1/2018

Duke Energy Florida, LLC

Run Date: 1/9/2019 4:49:42 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 (\$)
Gas Turbine													
Avon Park Peaker													
		21.65					No 2	74	5.816	430	7,672	35.433	103.678
		880.65					Gas	17,126	1.022	17,505	75,516	8.575	4.409
TOTAL APP	50	902.00	0			19,878				17,936	83,188	9.220	
Bartow Combined Cycle													
		5,930,589.00					Gas	45,027,171	1.019	45,879,144	203,189,036	3.426	4.513
TOTAL BCC	1,197	5,930,589.00	68			7,736				45,879,144	203,189,036	3.426	
Bartow Peaker													
		1,421.44					No 2	3,902	5.712	22,288	405,992	28.562	104.047
		24,723.46					Gas	379,369	1.022	387,664	1,694,415	6.853	4.466
TOTAL BAP	223	26,145.00	2			15,680				409,953	2,100,406	8.034	
Bayboro Peaker													
		7,814.90					No 2	19,074	5.712	108,951	2,729,142	34.922	143.082
TOTAL BYP	238	7,815.00	0			13,941				108,951	2,729,142	34.922	
Citrus County													
		192,102.00					Gas	1,909,724	1.026	1,959,673	7,437,117	3.871	3.894
TOTAL CCCC	1,497	192,102.00	2			10,201				1,959,673	7,437,117	3.871	
Debary Peaker													
		24,522.99					No 2	57,800	5.724	330,835	6,678,790	27.235	115.550
		22,951.01					Gas	302,252	1.024	309,627	1,349,676	5.881	4.465
TOTAL DEP	617	47,474.00	1			13,491				640,462	8,028,467	16.911	
Higgins Peaker													
		21,577.10					Gas	369,185	1.023	377,659	1,666,792	7.725	4.515
TOTAL HGP	116	21,577.00	3			17,503				377,659	1,666,792	7.725	
Hines Energy													
		11,950,150.70					Gas	84,181,814	1.021	85,922,465	365,102,642	3.055	4.337
TOTAL HEP	2,199	11,950,151.00	74			7,190				85,922,465	365,102,642	3.055	
Intercession City Peaker													
		22,795.41					No 2	51,859	5.801	300,845	5,047,536	22.143	97.332
		471,628.89					Gas	6,082,925	1.023	6,224,376	27,695,885	5.872	4.553
TOTAL ICP	1,202	494,424.00	6			13,198				6,525,221	32,743,420	6.623	
Osprey													
		1,825,650.00					Gas	13,099,250	1.022	13,392,333	59,695,094	3.270	4.557
TOTAL OSP	600	1,825,650.00	42			7,336				13,392,333	59,695,094	3.270	
Suwannee Peaker													
		1,451.36					No 2	3,660	5.817	21,290	336,602	23.192	91.968
		33,988.54					Gas	487,069	1.024	498,583	2,223,936	6.543	4.566
TOTAL SRP	203	35,440.00	2			14,669				519,874	2,560,537	7.225	
Tiger Bay Cogen													
		1,149,131.00					Gas	8,379,481	1.019	8,541,265	37,507,615	3.264	4.476
TOTAL TBP	231	1,149,131.00	68			7,433				8,541,265	37,507,615	3.264	
Univ of Florida Cogen													
		0.00					No 2	0	0.000	0	0	0.000	0.000
		271,305.40					Gas	2,746,340	1.024	2,811,965	11,588,777	4.271	4.220

A-4 System Net Generation and Fuel Cost Report

Revised

Report Period : 1/1/2018 to 10/1/2018

Duke Energy Florida, LLC

Run Date: 1/9/2019 4:49:42 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/UNIT)	(K) FUEL BURNED (MMBTU)	(L) AS BURNED FUEL COST (\$)	(M) FUEL COST PER KWH (CENTS/KWH)	(N) FUEL COST PER UNIT (\$)
TOTAL UFP	47	271,305.00	79			10,365				2,811,965	11,588,777	4.271	
TOTAL Gas Turbine	8,420	21,952,706.00				7,612				167,106,900	734,432,233	3.346	
SYSTEM TOTAL	11,353	31,789,339.92				8,488				269,824,045	1,106,162,450	3.480	

Duke Energy Florida, LLC's
Schedules A1-A9 & A12
December 2018

DUKE ENERGY FLORIDA
FUEL AND PURCHASED POWER

DECEMBER 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)	114,722,501	105,646,287	9,076,214	8.6	2,729,652	2,996,859	(267,206)	(8.9)	4.2028	3.5252	0.6776	19.2
2 COAL CAR SALE	(82,225)	0	(82,225)	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
3 ADJUSTMENTS TO FUEL COST - MISCELLANEOUS	4,965,506	1,246,700	3,718,806	298.3	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	119,605,782	106,892,987	12,712,795	11.9	2,729,652	2,996,859	(267,206)	(8.9)	4.3817	3.5668	0.8149	22.9
5 ENERGY COST OF PURCHASED POWER - F RM (SCH A7)	8,196,254	269,187	7,927,067	2,944.8	119,633	6,298	113,335	1,799.5	6.8512	4.2742	2.5770	60.3
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)	866,974	120,872	746,102	617.3	21,895	3,007	18,887	628.1	3.9597	4.0193	(0.0596)	(1.5)
8 PAYMENTS TO QUAL FYING FAC LITIES (SCH A8)	11,143,113	11,174,285	(31,172)	(0.3)	241,709	271,206	(29,497)	(10.9)	4.6101	4.1202	0.4899	11.9
9 TOTAL COST OF PURCHASED POWER	20,206,341	11,564,344	8,641,997	74.7	383,237	280,512	102,725	36.6	5.2725	4.1226	1.1499	27.9
10 TOTAL AVA LABLE MWH					3,112,889	3,277,370	(164,481)	(5.0)				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(21,993)	(387,492)	365,499	(94.3)	(614)	(12,587)	11,973	(95.1)	3.5831	3.0786	0.5045	16.4
11a GA N ON OTHER POWER SALES - 100% (SCH A6)	(45,524)	(107,785)	62,261	(57.8)	(614)	(12,587)	11,973	(95.1)	7.4169	0.8563	6.5606	766.2
11b GA N ON TOTAL POWER SALES - 20% (SCH A6)	9,105	21,557	(12,452)	(57.8)	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
12 FUEL COST OF STRATIFIED SALES	(3,079,988)	(1,424,393)	(1,655,594)	116.2	(125,508)	(95,861)	(29,647)	30.9	2.4540	1.4859	0.9681	65.2
13 TOTAL FUEL COST AND GAINS ON POWER SALES	(3,138,400)	(1,898,113)	(1,240,287)	65.3	(126,122)	(108,448)	(17,674)	16.3	2.4884	1.7503	0.7381	42.2
14 NET INADVERTENT AND WHEELED NTERCHANGE					33,377	0	33,377					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	136,673,723	116,559,218	20,114,505	17.3	3,020,144	3,168,923	(148,778)	(4.7)	4.5254	3.6782	0.8472	23.0
16 NET UNB LLED	(403,424)	2,928,938	(3,332,362)	(113.8)	8,915	(79,630)	88,544	(111.2)	(0.0139)	0.1011	(0.1150)	(113.8)
17 COMPANY USE	1,271,844	654,504	617,340	94.3	(28,105)	(17,794)	(10,310)	57.9	0.0439	0.0226	0.0213	94.3
18 T & D LOSSES	4,746,997	6,405,701	(1,658,704)	(25.9)	(104,897)	(174,153)	69,257	(39.8)	0.1639	0.2211	(0.0572)	(25.9)
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	136,673,723	116,559,218	20,114,505	17.3	2,896,058	2,897,345	(1,288)	(0.0)	4.7193	4.0230	0.6963	17.3
20 WHOLESALE KWH SALES (EXCLUD NG STRAT FIED SALES)	(820,042)	(711,011)	(109,031)	15.3	(17,355)	(17,608)	253	(1.4)	4.7250	4.0380	0.6870	17.0
21 JURISDICTIONAL KWH SALES	135,853,681	115,848,207	20,005,474	17.3	2,878,702	2,879,737	(1,035)	(0.0)	4.7193	4.0229	0.6964	17.3
22 JURISDICTIONAL KWH SALES ADJUSTED FOR L NE LOSS - 1.00031	135,895,795	115,884,120	20,011,676	17.3	2,878,702	2,879,737	(1,035)	(0.0)	4.7207	4.0241	0.6966	17.3
23 PRIOR PERIOD TRUE-UP	8,145,991	8,145,991	(0)	0.0	2,878,702	2,879,737	(1,035)	(0.0)	0.2830	0.2829	0.0001	0.0
24 TOTAL JURISDICTIONAL FUEL COST	144,041,786	124,030,111	20,011,675	16.1	2,878,702	2,879,737	(1,035)	(0.0)	5.0037	4.3070	0.6967	16.2
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									5.0073	4.3101	0.6972	16.2
27 GP F	232,768	232,768			2,878,702	2,879,737			0.0081	0.0081	0.0000	0.0
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									5.015	4.318	0.697	16.2

*Line 15a. MWH Data for Infomational Purposes Only

DUKE ENERGY FLORIDA
FUEL AND PURCHASED POWER
COST RECOVERY CLAUSE CALCULATION
YEAR TO DATE - DECEMBER 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)	1,322,472,390	1,322,046,314	426,075	0.0	37,225,085	37,640,386	(415,301)	(1.1)	3.5526	3.5123	0.0403	1.2
2 COAL CAR SALE	(2,149,074)	0	(2,149,074)	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
3 ADJUSTMENTS TO FUEL COST - MISCELLANEOUS	11,178,608	6,274,902	4,903,706	78.2	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	1,331,501,923	1,328,321,216	3,180,707	0.2	37,225,085	37,640,386	(415,301)	(1.1)	3.5769	3.5290	0.0479	1.4
5 ENERGY COST OF PURCHASED POWER - F RM (SCH A7)	163,859,893	104,791,544	59,068,349	56.4	3,456,477	2,405,479	1,050,998	43.7	4.7407	4.3564	0.3843	8.8
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)	13,166,647	8,269,692	4,896,955	59.2	280,750	184,233	96,518	52.4	4.6898	4.4887	0.2011	4.5
8 PAYMENTS TO QUAL FYING FAC LITIES (SCH A8)	137,425,176	140,729,302	(3,304,126)	(2.4)	3,065,228	3,176,824	(111,596)	(3.5)	4.4834	4.4299	0.0535	1.2
9 TOTAL COST OF PURCHASED POWER	314,451,717	253,790,538	60,661,178	23.9	6,802,455	5,766,535	1,035,920	18.0	4.6226	4.4011	0.2215	5.0
10 TOTAL AVA LABLE MWH					44,027,540	43,406,921	620,618	1.4				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(2,628,177)	(3,043,086)	414,909	(13.6)	(59,720)	(73,322)	13,602	(18.6)	4.4008	4.1503	0.2505	6.0
11a GA N ON OTHER POWER SALES - 100% (SCH A6)	(2,269,916)	(2,179,293)	(90,623)	4.2	(59,720)	(73,322)	13,602	(18.6)	3.8009	2.9722	0.8287	27.9
11b GA N ON TOTAL POWER SALES - 20% (SCH A6)	90,526	72,401	18,125	25.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
12 FUEL COST OF STRATIFIED SALES	(43,354,333)	(34,511,593)	(8,842,741)	25.6	(2,069,941)	(1,717,858)	(352,083)	20.5	2.0945	2.0090	0.0855	4.3
13 TOTAL FUEL COST AND GAINS ON POWER SALES	(48,161,901)	(39,661,571)	(8,500,330)	21.4	(2,129,661)	(1,791,180)	(338,481)	18.9	2.2615	2.2143	0.0472	2.1
14 NET INADVERTENT AND WHEELED NTERCHANGE					255,774	96,969	158,805					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	1,597,791,739	1,542,450,184	55,341,555	3.6	42,153,653	41,712,710	440,943	1.1	3.7904	3.6978	0.0926	2.5
16 NET UNB LLED	1,137,950	(9,508,775)	10,646,725	(112.0)	(30,022)	276,694	(306,716)	(110.9)	0.0029	(0.0242)	0.0271	(112.0)
17 COMPANY USE	7,104,381	7,255,402	(151,021)	(2.1)	(187,431)	(195,876)	8,445	(4.3)	0.0180	0.0184	(0.0004)	(2.2)
18 T & D LOSSES	96,174,523	90,195,817	5,978,706	6.6	(2,537,319)	(2,439,804)	(97,516)	4.0	0.2441	0.2292	0.0149	6.5
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	1,597,791,739	1,542,450,184	55,341,555	3.6	39,398,881	39,353,725	45,156	0.1	4.0554	3.9195	0.1359	3.5
20 WHOLESALE KWH SALES (EXCLUD NG STRAT FIED SALES)	(10,372,498)	(8,864,036)	(1,508,462)	17.0	(254,230)	(222,684)	(31,546)	14.2	4.0800	3.9805	0.0995	2.5
21 JURISDICTIONAL KWH SALES	1,587,419,240	1,533,586,147	53,833,093	3.5	39,144,651	39,131,041	13,610	0.0	4.0553	3.9191	0.1362	3.5
22 JURISDICTIONAL KWH SALES ADJUSTED FOR L NE LOSS - 1.00031	1,588,012,755	1,534,162,974	53,849,782	3.5	39,144,651	39,131,041	13,610	0.0	4.0568	3.9206	0.1362	3.5
23 PRIOR PERIOD TRUE-UP	97,751,887	97,751,892	(5)	0.0	39,144,651	39,131,041	13,610	0.0	0.2497	0.2498	(0.0001)	(0.0)
24 TOTAL JURISDICTIONAL FUEL COST	1,685,764,642	1,631,914,866	53,849,777	3.3	39,144,651	39,131,041	13,610	0.0	4.3065	4.1704	0.1361	3.3
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									4.3096	4.1734	0.1362	3.3
27 GP F	2,793,216	2,793,216			39,144,651	39,131,041			0.0071	0.0071	0.0000	100.0
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									4.317	4.181	0.136	3.3

*Line 15a. MWH Data for Infomational Purposes Only

DUKE ENERGY FLORIDA
CALCULATION OF TRUE-UP AND INTEREST PROVISION
DECEMBER 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	\$114,722,501	105,646,287	\$9,076,214	8.6	\$1,322,472,390	\$1,322,046,314	\$426,075	0.0
1a. COAL CAR SALE	(82,225)	0	(82,225)	0.0	(2,149,074)	0	(2,149,074)	0.0
2 . FUEL COST OF POWER SOLD	(21,993)	(387,492)	365,499	(94.3)	(2,628,177)	(3,043,086)	414,909	(13.6)
2a. GAS ON POWER SALES	(36,420)	(107,785)	71,365	(66.2)	(2,179,391)	(2,179,293)	(98)	0.0
3 . FUEL COST OF PURCHASED POWER	8,196,254	269,187	7,927,067	2,944.8	163,859,893	104,791,544	59,068,349	56.4
3a. ENERGY PAYMENTS TO QUALIFYING FACILITIES	11,143,113	11,174,285	(31,172)	(0.3)	137,425,176	140,729,302	(3,304,126)	(2.4)
4 . ENERGY COST OF ECONOMY PURCHASES	866,974	120,872	746,102	617.3	13,166,647	8,269,692	4,896,955	59.2
5 . TOTAL FUEL & NET POWER TRANSACTIONS	134,788,205	116,715,354	18,072,851	15.5	1,629,967,464	1,570,614,474	59,352,990	3.8
6 . ADJUSTMENTS TO FUEL COST:								
6a. FUEL COST OF STRATIFIED SALES	(3,079,988)	(1,424,393)	(1,655,594)	116.2	(43,354,333)	(34,511,593)	(8,842,741)	25.6
6b. OTHER- JURISDICTIONAL ADJUSTMENTS (see detail below)	4,965,506	1,246,700	3,718,806	298.3	11,178,608	6,274,902	4,903,706	78.2
6c. OTHER - PRIOR PERIOD ADJUSTMENT	0	0	0	0.0	0	0	0	0.0
7 . ADJUSTED TOTAL FUEL & NET PWR TRNS	\$136,673,723	\$116,537,661	\$20,136,062	17.3	\$1,597,791,739	\$1,542,377,783	\$55,413,956	3.6

FOOTNOTE: DETAIL OF LINE 6b ABOVE

INSPECTION & FUEL ANALYSIS REPORTS (Wholesale Portion)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CITRUS CC NEFFICIENT USE	0	0	0	0	(1,502,363)	0	(1,502,363)
UNIVERSITY OF FLORIDA STEAM REVENUE ALLOCATION (Wholesale Portion)	600	0	600	0	7,620	0	7,620
FDP AGREEMENT TERM NATION	0	0	0	0	0	0	0
TANK BOTTOM ADJUSTMENT	0	0	0	0	(171,899)	0	(171,899)
AERIAL SURVEY ADJUSTMENT (Coal Pile)	3,719,710	0	3,719,710	0	5,415,075	0	5,415,075
FDP AGREEMENT TERM NATION	1,245,196	0	1,245,196	0	7,326,228	0	7,326,228
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	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	\$4,965,506	\$0	\$4,965,506		\$11,178,608	\$0	\$11,178,608

B. KWH SALES								
1 . JURISDICTIONAL SALES	2,878,702,504	2,879,737,426	(1,034,922)	(0.0)	39,144,650,882	39,131,040,949	13,609,933	0.0
2 . NON JURISDICTIONAL (WHOLESALE) SALES	17,355,384	17,608,000	(252,616)	(1.4)	254,173,334	222,684,074	31,489,260	14.1
3 . TOTAL SALES	2,896,057,888	2,897,345,426	(1,287,538)	(0.0)	39,398,824,216	39,353,725,023	45,099,193	0.1
4 . JURISDICTIONAL SALES % OF TOTAL SALES	99.40	99.39	0.01	0.0	99.35	99.43	(0.08)	(0.1)

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

	CURRENT MONTH				YEAR TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT
C. TRUE UP CALCULATION								
1. JURISDICTIONAL FUEL REVENUE	\$115,795,394	\$118,762,346	(\$2,966,953)	(2.5)	\$1,603,480,385	\$1,603,647,559	(\$167,174)	(0.0)
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	(97,751,887)	(97,751,892)	5	0.0
2b. NCENTIVE PROVISION	(232,768)	(232,768)	0	0.0	(2,793,216)	(2,793,216)	0	0.0
3. TOTAL JURISDICTIONAL FUEL REVENUE	107,416,635	110,383,587	(2,966,952)	(2.7)	1,502,935,282	1,503,102,451	(167,169)	(0.0)
4. ADJ TOTAL FUEL & NET PWR TRNS (L NE A7)	136,673,723	116,537,661	20,136,062	17.3	1,597,791,739	1,542,377,783	55,413,956	3.6
5. JURISDICTIONAL SALES % OF TOT SALES (L NE B4)	99.40	99.39	0.01	0.0	99.35	99.43	(0.08)	(0.1)
6. JURISDICTIONAL FUEL & NET POWER TRANSACTIONS (L NE C4 * LINE C5 * 1.00031 LOSS MULT PL ER)	135,895,795	115,884,120	20,011,676	17.3	1,588,012,755	1,534,162,974	53,849,782	3.5
7. TRUE UP PROVISION FOR THE MONTH OVER/(UNDER) COLLECTION (L NE C3 - C6)	(28,479,160)	(5,500,532)	(22,978,628)	417.8	(85,077,473)	(31,060,523)	(54,016,950)	173.9
8. NTEREST PROVISION FOR THE MONTH (L NE D10)	(378,898)	(239,187)	(139,711)	58.4	(3,954,018)	(3,542,306)	(411,712)	11.6
9. TRUE UP & INTEREST PROVISION BEG OF MONTH/PERIOD	(182,167,514)	(150,857,190)	(31,310,325)	20.8	(211,599,978)	(211,599,981)	3	0.0
10. TRUE UP COLLECTED (REFUNDED)	8,145,991	8,145,991	(0)	0.0	97,751,887	97,751,892	(5)	0.0
11. END OF PERIOD TOTAL NET TRUE UP (LINES C7 + C8 + C9 + C10)	(202,879,582)	(148,450,918)	(54,428,664)	36.7	(202,879,582)	(148,450,918)	(54,428,664)	36.7
12. OTHER:	0				0		0	
13. END OF PERIOD TOTAL NET TRUE UP (L NES C11 + C12)	(\$202,879,582)	(148,450,918)	(54,428,664)	36.7	(\$202,879,582)	(148,450,918)	(54,428,664)	36.7
D. NTEREST PROVISION								
1. BEGINNING TRUE UP (LINE C9)	(\$182,167,514)	N/A	--	--				
2. ENDING TRUE UP (LINES C7 + C9 + C10 + C12)	(202,500,684)	N/A	--	--				
3. TOTAL OF BEGINNING & END NG TRUE UP	(384,668,198)	N/A	--	--				
4. AVERAGE TRUE UP (50% OF L NE D3)	(192,334,099)	N/A	--	--				
5. NTEREST RATE - F RST DAY OF REPORTING MONTH	2.300	N/A	--	--				
6. NTEREST RATE - F RST DAY OF SUBSEQUENT MONTH	2.420	N/A	--	--				
7. TOTAL (L NE D5 + LINE D6)	4.720	N/A						
8. AVERAGE INTEREST RATE (50% OF L NE D7)	2.360	N/A	--	--				
9. MONTHLY AVERAGE INTEREST RATE (LINE D8/12)	0.197	N/A	--	--				
10. NTEREST PROVISION (LINE D4 * L NE D9)	(\$378,898)	N/A	--	--				

NOT

A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Report Period : **Final**
12/1/2018 to 12/1/2018
Run Date: 1/10/2019 9:53:34 AM

FUEL COST OF SYSTEM	ACTUAL	ESTIMATED	DIFFERENCE	DIFFERENCE (%)
NET GENERATION (\$)				
1 - HEAVY OIL	0	0	0	0.0 %
2 - LIGHT O L	496,029	118,711	377,318	317.8 %
3 - COAL	15,999,807	26,987,351	(10,987,544)	(40.7 %)
4 - GAS	98,226,665	78,540,225	19,686,440	25.1 %
5 - NUCLEAR	0	0	0	0.0 %
6	0	0	0	0.0 %
7	0	0	0	0.0 %
8 - TOTAL (\$)	114,722,501	105,646,287	9,076,214	8.6 %
SYSTEM NET GENERATION (MWH)				
9 - HEAVY OIL	0	0	0	0.0 %
10 - LIGHT OIL	2,307	0	2,307	0.0 %
11 - COAL	546,857	813,967	(267,110)	(32.8 %)
12 - GAS	2,178,938	2,180,108	(1,170)	(0.1 %)
13 - NUCLEAR	0	0	0	0.0 %
14 - SOLAR	1,550	2,784	(1,234)	(44.3 %)
15	0	0	0	0.0 %
16 - TOTAL (MWH)	2,729,652	2,996,859	(267,207)	(8.9 %)
UNITS OF FUEL BURNED				
17 - HEAVY OIL (BBL)	0	0	0	0.0 %
18 - LIGHT OIL (BBL)	4,424	499	3,925	786.6 %
19 - COAL (TON)	227,472	356,754	(129,282)	(36.2 %)
20 - GAS (MCF)	16,004,619	15,458,280	546,339	3.5 %
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	25,535	2,905	22,630	779.0 %
26 - COAL	5,319,660	8,391,529	(3,071,869)	(36.6 %)
27 - GAS	16,318,191	15,458,280	859,911	5.6 %
28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (MILLION BTU)	21,663,386	23,852,714	(2,189,328)	(9.2 %)
GENERATION MIX (% MWH)				
32 - HEAVY OIL	0.0	0.00	0.0	0.0 %
33 - LIGHT OIL	0.1	0.00	0.1	0.0 %
34 - COAL	20.0	27.16	(7.1)	(26.2 %)
35 - GAS	79.8	72.75	7.1	9.7 %
36 - NUCLEAR	0.0	0.00	0.0	0.0 %
37 - SOLAR	0.06	0.09	(0.04)	(38.9 %)
38	0	0	0	0
39 - TOTAL (% MWH)	100	100	0.0	0.0 %

A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Report Period : **Final**
12/1/2018 to 12/1/2018
Run Date: 1/10/2019 9:53:34 AM

FUEL COST PER UNIT (\$)

40 - HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.0 %
41 - LIGHT OIL (\$/BBL)	112.12	237.90	(125.78)	(52.9 %)
42 - COAL (\$/TON)	70.34	75.65	(5.31)	(7.0 %)
43 - GAS (\$/MCF)	6.14	5.08	1.06	20.8 %
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	19.43	40.86	(21.44)	(52.5 %)
49 - COAL	3.01	3.22	(0.21)	(6.5 %)
50 - GAS	6.02	5.08	0.94	18.5 %
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)	5.30	4.43	0.87	19.6 %

BTU BURNED PER KWH (BTU/KWH)

55 - HEAVY OIL	0	0	0	0.0 %
56 - LIGHT OIL	11,068	0	11,068	0.0 %
57 - COAL	9,728	10,309	(582)	(5.6 %)
58 - GAS	7,489	7,091	398	5.6 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %
62 - SYSTEM (BTU/KWH)	7,936	7,959	(23)	(0.3 %)

GENERATED FUEL COST PER KWH (CENTS/KWH)

63 - HEAVY OIL	0.00	0.00	0.00	0.0 %
64 - LIGHT OIL	21.50	0.00	21.50	0.0 %
65 - COAL	2.93	3.32	(0.39)	(11.8 %)
66 - GAS	4.51	3.60	0.91	25.1 %
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 %
70 - SYSTEM (CENTS/KWH)	4.20	3.53	0.68	19.2 %

A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Report Period : 1/1/2018 to 12/1/2018

Run Date: 1/10/2019 12:35:35 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	22,609,544	15,958,463	6,651,081	41.7 %
3 - COAL	276,175,645	320,893,530	(44,717,885)	(13.9 %)
4 - GAS	1,023,687,201	985,194,322	38,492,879	3.9 %
5 - NUCLEAR	0	0	0	0.0 %
6	0	0	0	0.0 %
7	0	0	0	0.0 %
8 - TOTAL (\$)	1,322,472,390	1,322,046,315	426,075	0.0 %
SYSTEM NET GENERATION (MWH)				
9 - HEAVY O L	0	0	0	0.0 %
10 - LIGHT O L	90,434	60,434	30,000	49.6 %
11 - COAL	8,421,960	9,475,431	(1,053,471)	(11.1 %)
12 - GAS	28,686,945	28,068,215	618,730	2.2 %
13 - NUCLEAR	0	0	0	0.0 %
14 - SOLAR	25,744	36,310	(10,566)	(29.1 %)
15	0	0	0	0.0 %
16 - TOTAL (MWH)	37,225,084	37,640,390	(415,306)	(1.1 %)
UNITS OF FUEL BURNED				
17 - HEAVY OIL (BBL)	0	0	0	0.0 %
18 - LIGHT O L (BBL)	198,094	135,384	62,710	46.3 %
19 - COAL (TON)	3,745,945	4,239,712	(493,767)	(11.6 %)
20 - GAS (MCF)	222,014,269	214,463,963	7,550,306	3.5 %
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 O L	1,141,753	783,756	357,997	45.7 %
26 - COAL	86,196,682	98,222,765	(12,026,083)	(12.2 %)
27 - GAS	226,635,902	216,580,572	10,055,330	4.6 %
28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (M LLION BTU)	313,974,337	315,587,093	(1,612,756)	(0.5 %)
GENERATION MIX (% MWH)				
32 - HEAVY OIL	0.0	0.00	0.0	0.0 %
33 - LIGHT O L	0.2	0.16	0.1	51.3 %
34 - COAL	22.6	25.17	(2.5)	(10.1 %)
35 - GAS	77.1	74.57	2.5	3.3 %
36 - NUCLEAR	0.0	0.00	0.0	0.0 %
37 - SOLAR	0.07	0.10	(0 03)	(28.3 %)
38	0	0	0	0
39 - TOTAL (% MWH)	100	100	0.0	0.0 %

A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Report Period : 1/1/2018 to 12/1/2018

Run Date: 1/10/2019 12:35:35 PM

FUEL COST PER UNIT (\$)

40 - HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.0 %
41 - LIGHT O L (\$/BBL)	114.14	117.88	(3.74)	(3.2 %)
42 - COAL (\$/TON)	73.73	75.69	(1.96)	(2.6 %)
43 - GAS (\$/MCF)	4.61	4.59	0.02	0.4 %
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 O L	19.80	20.36	(0.56)	(2.7 %)
49 - COAL	3.20	3.27	(0.06)	(1.9 %)
50 - GAS	4.52	4.55	(0.03)	(0.7 %)
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)	4.21	4.19	0.02	0.5 %

BTU BURNED PER KWH (BTU/KWH)

55 - HEAVY OIL	0	0	0	0.0 %
56 - LIGHT O L	12,625	12,969	(344)	(2.6 %)
57 - COAL	10,235	10,366	(131)	(1.3 %)
58 - GAS	7,900	7,716	184	2.4 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %
62 - SYSTEM (BTU/KWH)	8,434	8,384	50	0.6 %

GENERATED FUEL COST PER KWH (CENTS/KWH)

63 - HEAVY OIL	0.00	0.00	0.00	0.0 %
64 - LIGHT O L	25.00	26.41	(1.41)	(5.3 %)
65 - COAL	3.28	3.39	(0.11)	(3.2 %)
66 - GAS	3.57	3.51	0.06	1.7 %
67 - NUCLEAR	0.00	0.00	0.00	0.0 %
68	0.00	0.00	0.00	0.0 %
69	0.00	0.00	0.00	0.0 %
70 - SYSTEM (CENTS/KWH)	3.55	3.51	0.04	1.1 %

A-4 System Net Generation and Fuel Cost Report

Report Period : 12/1/2018 to 12/1/2018

Duke Energy Florida, LLC

Run Date: 1/11/2019 12:13:50 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/UNIT)	(K) FUEL BURNED (MMBTU)	(L) AS BURNED FUEL COST (\$)	(M) FUEL COST PER KWH (CENTS/KWH)	(N) FUEL COST PER UNIT (\$)
Solar													
Osceola Solar Facility 1													
TOTAL UNIT 1	4	460.00	15			0				0	0	0.000	
Perry Solar Facility 1													
TOTAL UNIT 1	5	0.00				0				0	0	0.000	
Suwanee Solar Facility													
TOTAL UNIT 1	9	1,090.00	16			0				0	0	0.000	
TOTAL Solar	18	1,550.00				0				0	0	0.000	
Steam													
Anclote													
TOTAL UNIT 1		0.00				0				0	0	0.000	
		127,200.00					Gas	1,358,617	1.024	1,391,224	10,216,058	8.031	7.519
TOTAL UNIT 2	514	127,200.00	33			10,937				1,391,224	10,216,058	8.031	
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													
		204,395.00					Coal	84,547	23.386	1,977,216	5,946,823	2.909	70.337
		0.00					No 2	633	5.753	3,641	76,486	0.000	120.831
TOTAL UNIT 4	721	204,395.00	38			9,691				1,980,857	6,023,309	2.947	
		344,040.00					Coal	142,925	23.386	3,342,444	10,052,984	2.922	70.337
		0.00					No 2	2,037	5.753	11,718	246,132	0.000	120.831
TOTAL UNIT 5	721	344,040.00	64			9,749				3,354,162	10,299,116	2.994	
TOTAL Steam	1,956	675,635.00				9,955				6,726,243	26,538,483	3.928	

A-4 System Net Generation and Fuel Cost Report

Report Period : 12/1/2018 to 12/1/2018

Duke Energy Florida, LLC

Run Date: 1/11/2019 12:13:50 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 (\$)
Gas Turbine													
Bartow Combined Cycle													
TOTAL BCC	1,197	514,812.00	58			7,657	Gas	3,872,457	1.018	3,942,161	25,328,931	4.920	6.541
		514,812.00								3,942,161	25,328,931	4.920	
Bartow Peaker													
TOTAL BAP	61	265.00	1			16,348	Gas	4,243	1.021	4,332	31,350	11.830	7.389
		265.00								4,332	31,350	11.830	
Bayboro Peaker													
TOTAL BYP	178	45.30	0			11,727	No 2	93	5.712	531	13,043	28.793	140.250
		45.00								531	13,043	28.793	
Citrus County													
TOTAL CCCC	1,820	805,402.00	59			6,821	Gas	5,386,225	1.020	5,493,950	28,386,160	3.524	5.270
		805,402.00								5,493,950	28,386,160	3.524	
Debary Peaker													
TOTAL DEP	195	387.00	0			13,685	Gas	5,177	1.023	5,296	39,144	10.115	7.561
		387.00								5,296	39,144	10.115	
Higgins Peaker													
TOTAL HGP	116	258.60	0			17,055	Gas	4,307	1.024	4,410	30,915	11.955	7.178
		259.00								4,410	30,915	11.955	
Hines Energy													
TOTAL HEP	2,199	634,128.00	39			7,262	Gas	4,519,257	1.019	4,605,123	27,970,000	4.411	6.189
		634,128.00								4,605,123	27,970,000	4.411	
Intercession City Peaker													
TOTAL ICP	1,041	486.54	2			13,343	No 2	1,119	5.802	6,492	110,521	22.716	98.768
		13,262.98					Gas	173,671	1.019	176,971	1,125,335	8.485	6.480
		13,750.00								183,463	1,235,856	8.988	
Osprey													
TOTAL OSP	600	43,266.00	10			7,851	Gas	333,692	1.018	339,698	2,162,962	4.999	6.482
		43,266.00								339,698	2,162,962	4.999	
Suwannee Peaker													
TOTAL SRP	136	226.40	5			13,926	No 2	542	5.817	3,153	49,846	22.017	91.968
		5,308.30					Gas	72,190	1.024	73,923	545,070	10.268	7.550
		5,535.00								77,075	594,917	10.749	
Tiger Bay Cogen													
TOTAL TBP	0	0.00	0			0	Gas	0	0.000	0	(21,103)	0.000	0.000
		0.00								0	(21,103)	0.000	
Univ of Florida Cogen													
TOTAL UFP	47	0.00	99			10,139	No 2	0	0.000	0	0	0.000	0.000
		34,619.00					Gas	343,097	1.023	350,988	2,411,844	6.967	7.030
		34,619.00								350,988	2,411,844	6.967	
TOTAL Gas Turbine	7,590	2,052,467.00				7,312				15,007,028	88,184,018	4.296	
SYSTEM TOTAL	9,564	2,729,652.12				7,962				21,733,271	114,722,501	4.203	

A-4 System Net Generation and Fuel Cost Report

Duke Energy Florida, LLC

Report Period : 1/1/2018 to 12/1/2018

Run Date: 1/11/2019 12:04:44 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/UNIT)	(K) FUEL BURNED (MMBTU)	(L) AS BURNED FUEL COST (\$)	(M) FUEL COST PER KWH (CENTS/KWH)	(N) FUEL COST PER UNIT (\$)
Solar													
Osceola Solar Facility 1													
TOTAL UNIT 1	4	6,330.00	18				0			0	0	0.000	
Perry Solar Facility 1													
TOTAL UNIT 1	5	4,647.00	11				0			0	0	0.000	
Suwanee Solar Facility													
TOTAL UNIT 1	9	14,767.00	19				0			0	0	0.000	
TOTAL Solar	18	25,744.00					0			0	0	0.000	
Steam													
Anclote													
		1,508,323.00					Gas	15,971,041	1.024	16,347,096	74,672,725	4.951	4.676
TOTAL UNIT 1	511	1,508,323.00	34			10,838				16,347,096	74,672,725	4.951	
		1,206,159.00					Gas	13,236,287	1.024	13,551,804	66,534,614	5.516	5.027
TOTAL UNIT 2	514	1,206,159.00	27			11,236				13,551,804	66,534,614	5.516	
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	3			11,635				1,156,538	5,088,073	5.119	
		717,073.42					Coal	398,736	22.266	8,878,353	39,185,374	5.465	98.274
		0.00					No 2	15,578	5.752	89,607	1,839,995	0.000	118.115
TOTAL UNIT 2	448	717,073.42	18			12,506				8,967,960	41,025,369	5.721	
Crystal River 4 & 5													
		3,601,528.00					Coal	1,548,948	23.154	35,864,338	109,434,832	3.039	70.651
		0.00					No 2	17,299	5.764	99,710	2,145,628	0.000	124.032
TOTAL UNIT 4	721	3,601,528.00	57			9,986				35,964,047	111,580,460	3.098	
		4,033,196.00					Coal	1,747,989	23.058	40,305,780	122,655,721	3.041	70.170
		0.00					No 2	20,671	5.769	119,241	2,466,519	0.000	119.323
TOTAL UNIT 5	721	4,033,196.00	64			10,023				40,425,021	125,122,241	3.102	
TOTAL Steam	1,956	11,165,680.00				10,426				116,412,466	424,023,481	3.798	

A-4 System Net Generation and Fuel Cost Report

Duke Energy Florida, LLC

Report Period : 1/1/2018 to 12/1/2018

Run Date: 1/11/2019 12:04:44 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/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													
		21.65					No 2	74	5 816	430	7,672	35.433	103 678
		880.65					Gas	17,126	1 022	17,505	75,556	8.580	4.412
TOTAL APP	50	902.00	0			19,878				17,936	83,228	9.224	
Bartow Combined Cycle													
TOTAL BCC	1,197	7,043,247.00	67			7,723	Gas	53,394,806	1 019	54,392,901	251,860,602	3.576	4.717
Bartow Peaker													
		1,592.68					No 2	4,390	5.712	25,076	456,767	28.679	104 047
		25,930.22					Gas	399,473	1 022	408,254	1,819,222	7.016	4.554
TOTAL BAP	223	27,523.00	1			15,744				433,330	2,275,988	8.269	
Bayboro Peaker													
TOTAL BYP	238	7,900.80	0			13,969	No 2	19,322	5.712	110,367	2,764,050	34.984	143 052
		7,901.00								110,367	2,764,050	34.984	
Citrus County													
TOTAL CCCC	1,820	1,399,027.00	9			7,502	Gas	10,265,949	1 022	10,494,902	48,241,702	3.448	4 699
		1,399,027.00								10,494,902	48,241,702	3.448	
Debary Peaker													
		25,671.20					No 2	60,754	5.710	346,912	7,016,666	27.333	115.493
		23,306.80					Gas	307,465	1 024	314,960	1,389,679	5.963	4.520
TOTAL DEP	647	48,978.00	1			13,514				661,872	8,406,345	17.164	
Higgins Peaker													
TOTAL HGP	116	24,175.10	2			17,496	Gas	413,363	1 023	422,977	1,931,511	7.990	4 673
		24,175.00								422,977	1,931,511	7.990	
Hines Energy													
TOTAL HEP	2,199	13,368,184.70	69			7,199	Gas	94,301,996	1 021	96,240,532	421,433,971	3.153	4.469
		13,368,185.00								96,240,532	421,433,971	3.153	
Intercession City Peaker													
		23,978.83					No 2	54,754	5 801	317,641	5,333,448	22.242	97.407
		519,641.99					Gas	6,727,956	1 023	6,883,548	31,283,820	6.020	4 650
TOTAL ICP	1,202	543,621.00	5			13,247				7,201,189	36,617,268	6.736	
Osprey													
TOTAL OSP	600	1,982,378.00	38			7,350	Gas	14,253,760	1 022	14,570,907	66,141,547	3.336	4 640
		1,982,378.00								14,570,907	66,141,547	3.336	
Suwannee Peaker													
		1,678.03					No 2	4,202	5 817	24,443	386,448	23.030	91.968
		41,529.67					Gas	590,875	1 024	604,944	2,955,165	7.116	5 001
TOTAL SRP	203	43,208.00	2			14,567				629,387	3,341,613	7.734	
Tiger Bay Cogen													
TOTAL TBP	231	1,212,922.50	60			7,436	Gas	8,846,726	1 020	9,019,257	39,927,269	3.292	4.513
		1,212,922.00								9,019,257	39,927,269	3.292	
Univ of Florida Cogen													
		0.00					No 2	0	0 000	0	3,997	0.000	0 000
		331,594.40					Gas	3,355,760	1 024	3,436,199	15,419,820	4.650	4.595
TOTAL UFP	47	331,594.00	81			10,363				3,436,199	15,423,817	4.651	
TOTAL Gas Turbine	8,773	26,033,661.00				7,591				197,631,757	898,448,911	3.451	
SYSTEM TOTAL	10,747	37,225,085.64				8,436				314,044,222	1,322,472,393	3.553	

A-5 System Generation Fuel Cost Report

Final

Report Period : 12/1/2018 to 12/1/2018

Duke Energy Florida, LLC

Run Date: 1/10/2019 10:19:44 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)	6,948	499	6,449	1292.4%
20 - UNIT COST (\$/BBL)	127.86	237.90	(110.03)	(46.3%)
21 - AMOUNT (\$)	888,401	118,711	769,690	648.4%
22 - BURNED				
23 - UNITS (BBL)	4,424	499	3,925	786.6%
24 - UNIT COST (\$/BBL)	112.12	237.90	(125.78)	(52.9%)
25 - AMOUNT (\$)	496,029	118,711	377,318	317.8%
26 - ADJUSTMENTS				
27 - UNITS (BBL)	0			
28 - AMOUNT (\$)	0			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	686,910	714,259	(27,349)	(3.8%)
31 - UNIT COST (\$/BBL)	108.88	108.87	0.01	0.0%
32 - AMOUNT (\$)	74,791,489	77,760,783	(2,969,294)	(3.8%)
33 -				
34 - DAYS SUPPLY	4,813	42,941	(38,128)	(88.8%)

A-5 System Generation Fuel Cost Report

Final

Report Period : 12/1/2018 to 12/1/2018

Duke Energy Florida, LLC

Run Date: 1/10/2019 10:19:44 AM

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	195,826	356,754	(160,928)	(45.1%)
37 - UNIT COST (\$/TON)	72.48	75.65	(3.17)	(4.2%)
38 - AMOUNT (\$)	14,193,729	26,987,351	(12,793,622)	(47.4%)
39 - BURNED				
40 - UNITS (TON)	227,472	356,754	(129,282)	(36.2%)
41 - UNIT COST (\$/TON)	70.34	75.65	(5.31)	(7.0%)
42 - AMOUNT (\$)	15,999,807	26,987,351	(10,987,544)	(40.7%)
43 - ADJUSTMENTS				
44 - UNITS (TON)	(51,435)			
45 - AMOUNT (\$)	(3,719,710)			
46 - ENDING INVENTORY				
47 - UNITS (TON)	625,934	914,150	(288,216)	(31.5%)
48 - UNIT COST (\$/TON)	72.95	75.65	(2.70)	(3.6%)
49 - AMOUNT (\$)	45,661,165	69,152,614	(23,491,449)	(34.0%)
50 -				
51 - DAYS SUPPLY	85	77	8	11.0%
GAS				
52 - BURNED				
53 - UNITS (MCF)	16,004,619	15,458,280	546,339	3.5%
54 - UNIT COST (\$/MCF)	6.14	5.08	1.06	20.8%
55 - AMOUNT (\$)	98,226,665	78,540,225	19,686,440	25.1%
NUCLEAR				
56 - BURNED				
57 - UNITS (MMBTU)	0	0	0	0.0%
58 - UNIT COST (\$/MMBTU)	0.00	0.00	0.00	0.0%
59 - AMOUNT (\$)	0	0	0	0.0%

A-5 System Generation Fuel Cost Report

Report Period : 1/1/2018 to 12/1/2018

Duke Energy Florida, LLC

Run Date: 1/10/2019 12:14:52 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)	126,753	58,048	68,705	118.4%
20 - UNIT COST (\$/BBL)	116.19	113.52	2.67	2.3%
21 - AMOUNT (\$)	14,727,689	6,589,869	8,137,820	123.5%
22 - BURNED				
23 - UNITS (BBL)	198,094	135,384	62,710	46.3%
24 - UNIT COST (\$/BBL)	114.14	117.88	(3.74)	(3.2%)
25 - AMOUNT (\$)	22,609,544	15,958,463	6,651,081	41.7%
26 - ADJUSTMENTS				
27 - UNITS (BBL)	1,380			
28 - AMOUNT (\$)	171,899			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	686,910	714,259	(27,349)	(3.8%)
31 - UNIT COST (\$/BBL)	108.88	108.87	0.01	0.0%
32 - AMOUNT (\$)	74,791,489	77,760,783	(2,969,294)	(3.8%)
33 -				
34 - DAYS SUPPLY	0	0	0	0.0%

A-5 System Generation Fuel Cost Report

Report Period : 1/1/2018 to 12/1/2018

Duke Energy Florida, LLC

Run Date: 1/10/2019 12:14:52 PM

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	3,533,863	4,236,441	(702,578)	(16.6%)
37 - UNIT COST (\$/TON)	73.09	76.81	(3.72)	(4.8%)
38 - AMOUNT (\$)	258,272,735	325,384,773	(67,112,038)	(20.6%)
39 - BURNED				
40 - UNITS (TON)	3,745,945	4,239,712	(493,767)	(11.6%)
41 - UNIT COST (\$/TON)	73.73	75.69	(1.96)	(2.6%)
42 - AMOUNT (\$)	276,175,645	320,893,530	(44,717,885)	(13.9%)
43 - ADJUSTMENTS				
44 - UNITS (TON)	(79,405)			
45 - AMOUNT (\$)	(5,415,075)			
46 - ENDING INVENTORY				
47 - UNITS (TON)	625,934	914,150	(288,216)	(31.5%)
48 - UNIT COST (\$/TON)	72.95	75.65	(2.70)	(3.6%)
49 - AMOUNT (\$)	45,661,165	69,152,614	(23,491,449)	(34.0%)
50 -				
51 - DAYS SUPPLY	0	0	0	0.0%
GAS				
52 - BURNED				
53 - UNITS (MCF)	222,014,269	214,463,963	7,550,306	3.5%
54 - UNIT COST (\$/MCF)	4.61	4.59	0.02	0.4%
55 - AMOUNT (\$)	1,023,687,201	985,194,322	38,492,879	3.9%
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%

ATTACHMENT #1
 SCHEDULE A-5
 December 2018

HEAVY OIL		
UNITS	AMOUNT	ADJUSTMENTS EXPLANATION
-	-	TOTAL

LIGHT OIL		
UNITS	AMOUNT	ADJUSTMENTS EXPLANATION
0	\$0.00	TOTAL

COAL		
UNITS	AMOUNT	ADJUSTMENTS EXPLANATION
51,435	3,719,710.35	Aerial Survey Adjustment
51,435	\$ 3,719,710.35	TOTAL

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

(1)	(2)	(3)	(4)	(5)	(6a)	(6b)	(7)	(8)	(9)
Sold To	Type & Schedule	Total KWH Sold (000)	KWH Wheeled from Other Systems (000)	KWH from Own Generation (000)	Fuel Cost C/KWH	Total Cost C/KWH	Fuel Adj Total \$	Total Cost \$	Gain on Sales \$
ESTIMATED		12,587		12,587	3.079	3.935	387,492.00	495,277.00	107,785.00
ACTUAL									
Reedy Creek Improvement District	CR-1	670		670	3.041	2.638	20,373.40	17,677.60	(2,695.80)
The Energy Authority	Schedule OS	40		40	4.049	4.000	1,619.60	1,600.00	(19.60)
ADJUSTMENTS									
PJM Settlements								10,441.86	10,441.86
City of Tallahassee		(96)						37,797.92	37,797.92
Subtotal - Gain on Other Power Sales		614		710	3.583	11.000	21,993.00	67,517.38	45,524.38
CURRENT MONTH TOTAL		614		710	3.583	11.000	21,993.00	67,517.38	45,524.38
DIFFERENCE		(11,973)		(11,877)	0.504	7.065	(365,499.00)	(427,759.62)	(62,260.62)
DIFFERENCE %		(95)		(94)	16.373	179.542	(94.32)	(86.37)	(57.76)
CUMULATIVE ACTUAL		59,720		59,816	4.401	8.202	2,628,177.49	4,898,093.95	2,269,917.44
CUMULATIVE ESTIMATED		73,322		73,322	4.150	7.123	3,043,086.29	5,222,379.32	2,179,293.03
DIFFERENCE		(13,602)		(13,506)	0.251	1.079	(414,908.80)	(324,285.37)	90,624.41
DIFFERENCE %		(19)		(18)	6.037	15.153	(13.63)	(6.21)	4.16

DUKE ENERGY FLORIDA, LLC
SCHEDULE A7

PURCHASED POWER
EXCLUSIVE OF ECONOMY PURCHASES
FOR THE MONTH OF:
December, 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		6,298			6,298	4 274	4 274	269,187.00	269,187 00
ACTUAL									
Shady Hills Power Company, L.L.C.	TOLL	15,308			15,308	8.907	8.907	1,363,436.68	1,363,436 68
Southern Power Company	Franklin	52,047			52,047	4.927	4.927	2,564,232.72	2,564,232.72
Vandolah Power Company L.L.C.	TOLL	51,886			51,886	8 864	8 864	4,599,141.89	4,599,141 89
ADJUSTMENTS									
Vandolah Power Company L.L.C.	TOLL	(307)			(307)	88.45	88.45	(271,530.37)	(271,530 37)
Shady Hills Power Company, L.L.C.	TOLL	700			700	(11.88)	(11.88)	(83,139.52)	(83,139.52)
Southern Power Company	Franklin	(1)			(1)	(2,411.28)	(2,411.28)	24,112.79	24,112.79
CURRENT MONTH TOTAL		119,633			119,633	6 851	6 851	8,196,254.190	8,196,254.19
DIFFERENCE		113,335			113,335	2.577	2.577	7,927,067.19	7,927,067.19
DIFFERENCE %		1,799.54			1,799.540	60 299	60 299	2,944.82	2,944 82
CUMULATIVE ACTUAL		3,456,477			3,456,477	4.741	4.741	163,859,893.28	163,859,893 28
CUMULATIVE EST MATED		2,405,479			2,405,479.00	4 356	4 356	104,791,544.49	104,791,544.49
DIFFERENCE		1,050,998			1,050,998.00	0 384	0 384	59,068,348.79	59,068,348.79
DIFFERENCE %		44			43.69	8 821	8 821	56.37	56 37

DUKE ENERGY FLORIDA, LLC
SCHEDULE A8

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

(1) PURCHASED FROM	(2) TYPE & SCHEDULE	(3) TOTAL PURCHASED KWH (000)	(4) KWH FOR OTHER UTILITIES (000)	(5) KWH FOR INTERRUPTIBLE (000)	(6) KWH FOR FIRM (000)	(7) ENERGY COST C/KWH	(8) TOTAL COST C/KWH	(9) TOTAL AMOUNT FOR FUEL ADJ \$
ESTIMATED		271,206	-	-	271,206	4.120	13.424	11,174,284.75
ACTUAL								
Citrus World (CITRUS) ADJ	CO-GEN	11 4			11 4	3.355	3.355	354.27 143.98
Florida Power Development (FCRUSHAS) ADJ	CO-GEN	-			-	-	-	-
Florida Power Development (FLACRUSH) ADJ	CO-GEN	-			-	-	-	-
Lake County (LAKCOUNT) ADJ	CO-GEN	609 (10)			609 (10)	3.689	3.689	22,467.11 1,320.40
Lee County (LEECOGAS) ADJ	CO-GEN	3,280 589			3,280 589	4.021	4.021	131,881.33 69,020.35
Metro-Dade County (METRDADE) ADJ	CO-GEN	-			-	-	0.000	-
Metro-Dade County (METRDDAS) ADJ	CO-GEN	11,135 256			11,135 256	3.824	3.824	425,751.84 78,905.81
Orange Cogen (ORANGEAS) ADJ	CO-GEN	1,577 -			1,577 -	3.447	3.447	54,361.01 2,027.64
Orange Cogen (ORANGECO) ADJ	CO-GEN	27,584 -			27,584 -	4.450	4.450	1,227,488.00 1,993.94
Orlando Cogen Limited (ORLACOGL) ADJ	CO-GEN	86,938 120			86,938 120	5.592	5.592	4,861,572.96 62,927.08
Orlando Cogen Limited (ORLCOGAS) ADJ	CO-GEN	-			-	-	-	-
Pasco County Resource Recovery (PASCOUNT) ADJ	CO-GEN	17,002 -			17,002 -	3.082	3.082	524,028.05 20,192.08
PCS Phosphate (OCSWFCRK) ADJ	CO-GEN	0 (20)			0 (20)	3.750	3.750	16.50 (652.27)
Pinellas County Resource Recovery (P NCOUNT) ADJ	CO-GEN	38,523 -			38,523 -	3.101	3.101	1,194,749.70 36,691.18
Polk Power Partners, L.P. (MULBERRY) ADJ	CO-GEN	34,766 -			34,766 -	3.571	3.571	1,241,493.86 23,596.45
Wheelabrator Ridge Energy, Inc. (RIDGEGEN) ADJ	CO-GEN	19,345 -			19,345 -	5.717	5.717	1,105,953.65 56,827.78
CURRENT MONTH TOTAL		241,709			241,709	4.610	4.610	11,143,112.69
DIFFERENCE		(29,497)			(29,497)	0.490	(8.814)	(31,172.06)
DIFFERENCE %		(11)			(11)	11.891	(191.179)	(0.28)
CUMULATIVE ACTUAL		3,065,228			3,065,228	4.483	4.483	137,425,176.04
CUMULATIVE ESTIMATED		3,176,823			3,176,823	4.430	4.430	140,729,301.34
CUMULATIVE DIFFERENCE		(111,595)			(111,595)	0.053	0.053	(3,304,125.30)
CUMULATIVE DIFFERENCE %		(4)			(4)	1.207	1.207	(2.35)

DUKE ENERGY FLORIDA, LLC
SCHEDULE A9

ECONOMY ENERGY PURCHASES
INCLUDING LONG TERM PURCHASES
FOR THE MONTH OF:
DECEMBER, 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		3,007	4.019	120,872.00	4.117	123,803.00	2,931.00
ACTUAL:							
SubTotal - Energy Purchases (Broker)							
SEPA	Hydro	534	3.686	\$19,672.48	3.686	\$19,672.48	
Exelon Generation Company, LLC	InternationalSwapsDe	2,761	4.025	\$111,135.00	6.31	\$174,157.26	63,022.26
Florida Power & Light Company	Transmission Purchase			\$7,149.00			(7,149.00)
Florida Power & Light Company		5,150	4.226	\$217,650.00	5.853	\$301,416.00	83,766.00
Orlando Utilities Commission	Schedule OS	6,625	3.657	\$242,250.00	4.860	\$321,999.75	79,749.75
Southern Company Services, Inc.	EEI	2,875	3.946	\$113,435.00	6.184	\$177,782.17	64,347.17
Tampa Electric Company	EEI2	3,875	4.027	156,050.00	5.345	207,133.00	51,083.00
The Energy Authority	EEI	75	2.900	2,175.00	4.222	3,166.50	991.50
ADJUSTMENTS							
PJM Settlements				9.54			(9.54)
Florida Power & Light				(980.00)			980.00
Jacksonville Energy Authority				1,692.25			(1,692.25)
Southern Company Services	Transmission			84.86			(84.86)
Tampa Electric Company				0.06			(0.06)
Duke Electric Transmission				(3,349.04)			3,349.04
SubTotal - Energy Purchases (Non-Broker)		21,895	3.960	866,974.15	5.505	1,205,327.16	338,353.01
CURRENT MONTH TOTAL		21,895	3.960	866,974.15	5.505	1,205,327.16	338,353.01
DIFFERENCE		18,888	(0.059)	746,102.15	1.388	1,081,524.16	335,422.01
DIFFERENCE %		628	(1.474)	617.27	33.716	873.58	11,443.94
CUMULATIVE ACTUAL		280,751	4.690	13,166,647.18	6.897	19,361,961.17	6,196,146.95
CUMULATIVE ESTIMATED		184,233	4.49	8,269,693.00	5.974	11,006,141.00	2,736,449.00
DIFFERENCE		96,518	0.201	4,896,954.18	0.922	8,355,820.17	3,459,697.95
DIFFERENCE %		52	4.480	59.22	15.441	75.92	126.43

DUKE ENERGY FLORIDA, LLC
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	74.00	7/1/95 - 12/31/24	5,071,564	5,590,987	5,331,276	5,331,276	5,331,276	5,331,276	5,331,276	5,331,276	5,331,276	5,331,276	5,331,276	5,331,276	63,975,306.85
2 Orlando Cogen Limited (ORLACOGL)	QF	79.20	9/1/93 - 12/31/23	5,025,789	5,514,457	5,302,972	5,361,969	5,361,790	5,361,790	5,414,950	5,361,790	5,361,790	5,361,790	5,361,790	5,361,790	64,152,667.40
3 Pasco County Resource Recovery (PASCOUNT)	QF	23.00	1/1/95 - 12/31/24	1,784,800	2,011,580	1,898,190	1,898,190	1,898,190	1,898,190	1,898,190	1,898,190	1,898,190	1,898,190	1,898,190	1,898,190	22,778,280.00
4 Pinellas County Resource Recovery (P NCOUNT)	QF	54.75	1/1/95 - 12/31/24	4,248,600	4,788,435	4,518,518	4,518,518	4,518,518	4,518,518	4,518,518	4,518,518	4,518,518	4,518,518	4,518,518	4,518,518	54,222,210.00
5 Polk Power Partners, L.P. (MULBERRY)	QF	115.00	8/1/94 - 8/8/24	6,965,675	7,676,459	7,321,066	7,321,066	7,321,066	7,321,066	7,321,066	7,321,066	7,321,066	7,321,066	7,321,066	7,321,066	87,852,795.94
6 Wheelabrator Ridge Energy, Inc. (RIDGEGEN)	QF	39.60	8/1/94 - 12/31/23	765,872	790,760	798,927	800,946	800,946	800,946	800,946	800,946	800,946	800,946	800,946	800,946	9,564,070.94
7 Southern purchase - Franklin	Other	425	6/1/16 - 5/31/21	4,609,957	4,467,756	2,685,103	2,663,030	2,934,373	4,811,161	6,285,017	6,268,886	4,634,240	2,701,639	2,384,883	3,505,309	47,951,354.39
8 Retail Wheeling				(82,003)	(2,819)	(5,894)	(4,260)	(35,146)	0	0	(567)	(13,875)	(53,736)	(6,689)	0	(204,988.99)
9 CR-3 Projected Expense				4,290,186	4,261,861	4,233,534	4,205,208	4,176,884	4,148,557	4,120,232	4,091,907	4,063,580	4,035,255	4,006,929	3,978,603	49,612,736.00
10 ISFSI Return				677,047	628,287	579,175	555,717	573,770	573,765	573,771	573,769	573,883	573,769	573,545	573,320	7,029,818.85
SUBTOTAL				33,357,487	35,727,762	32,662,867	32,651,659	32,881,667	34,765,268	36,263,965	36,165,780	34,489,613	32,488,713	32,190,453	33,289,017	406,934,251
Confidential Capacity Contracts (Aggregated):																
Purchases/Sales (Net)	Other	MW	Contracts													
Total		1,176	4	6,240,425	6,374,971	5,301,439	4,841,747	6,213,334	11,147,327	11,401,479	11,227,238	6,132,129	4,856,595	5,168,636	6,506,218	85,411,537
TOTAL				39,597,912	42,102,733	37,964,306	37,493,405	39,095,001	45,912,595	47,665,445	47,393,018	40,621,742	37,345,307	37,359,089	39,795,235	492,345,789