



Matthew R. Bernier
ASSOCIATE GENERAL COUNSEL

September 19, 2018

VIA ELECTRONIC FILING

Carlotta Stauffer, Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

Re: Docket No. 20180001-EI

Dear Ms. Stauffer:

Attached for electronic filing in the above-referenced Docket on behalf of Duke Energy Florida, LLC, are Schedules A1 through A9 and A12 for the reporting month of August 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 Schedules A1-A9 and A12 for the month of August 2018 have been furnished to the following individuals via e-mail on this 19th day of September, 2018.

/s/ Matthew R. Bernier
Attorney

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

AUGUST 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)	127,721,637	135,566,020	(7,844,383)	(5.8)	3,760,142	3,840,165	(80,023)	(2.1)	3.3967	3.5302	(0.1335)	(3.8)
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	1,201,039	1,261,599	(60,560)	(4.8)	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	128,922,676	136,827,619	(7,904,943)	(5.8)	3,760,142	3,840,165	(80,023)	(2.1)	3.4287	3.5631	(0.1344)	(3.8)
5 ENERGY COST OF PURCHASED POWER - FIRM (SCH A7)	19,697,789	11,066,448	8,631,341	78.0	440,467	276,486	163,981	59.3	4.4720	4.0025	0.4695	11.7
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)	1,591,806	569,569	1,022,237	179.5	26,226	11,410	14,816	129.9	6.0696	4.9919	1.0777	21.6
8 PAYMENTS TO QUALIFYING FACILITIES (SCH A8)	10,909,136	11,653,872	(744,736)	(6.4)	243,788	268,409	(24,621)	(9.2)	4.4748	4.3418	0.1330	3.1
9 TOTAL COST OF PURCHASED POWER	32,198,731	23,289,889	8,908,841	38.3	710,481	556,305	154,176	27.7	4.5320	4.1865	0.3455	8.3
10 TOTAL AVAILABLE MWH					4,470,623	4,396,469	74,153	1.7				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(8,990)	(377,184)	368,194	(97.6)	(270)	(7,598)	7,328	(96.5)	3.3295	4.9645	(1.6350)	(32.9)
11a GA N ON OTHER POWER SALES - 100% (SCH A6)	(3,161)	(104,917)	101,756	(97.0)	(270)	(7,598)	7,328	(96.5)	1.1709	1.3809	(0.2100)	(15.2)
11b GA N ON TOTAL POWER SALES - 20% (SCH A6)	0	18,888	(18,888)	(100.0)	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
12 FUEL COST OF STRATIFIED SALES	(3,050,492)	(2,579,545)	(470,947)	18.3	(203,651)	(144,172)	(59,479)	41.3	1.4979	1.7892	(0.2913)	(16.3)
13 TOTAL FUEL COST AND GA NS ON POWER SALES	(3,062,643)	(3,042,758)	(19,885)	0.7	(203,921)	(151,770)	(52,151)	34.4	1.5019	2.0049	(0.5030)	(25.1)
14 NET INADVERTENT AND WHEELED INTERCHANGE					26,291	0	26,291					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	158,058,764	157,074,751	984,013	0.6	4,292,993	4,244,700	48,293	1.1	3.6818	3.7005	(0.0187)	(0.5)
16 NET UNB LLED	7,668,972	(1,583,017)	9,251,989	(584.5)	(208,295)	42,779	(251,073)	(586.9)	0.2034	(0.0392)	0.2426	(618.9)
17 COMPANY USE	258,848	590,088	(331,240)	(56.1)	(7,031)	(15,946)	8,916	(55.9)	0.0069	0.0146	(0.0077)	(52.7)
18 T & D LOSSES	11,306,396	8,626,943	2,679,453	31.1	(307,090)	(233,130)	(73,960)	31.7	0.2999	0.2136	0.0863	40.4
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	158,058,764	157,074,751	984,013	0.6	3,770,577	4,038,402	(267,825)	(6.6)	4.1919	3.8895	0.3024	7.8
20 WHOLESALE KWH SALES (EXCLUD NG STRATIFIED SALES)	(1,074,800)	(942,449)	(132,351)	14.0	(25,468)	(24,340)	(1,128)	4.6	4.2202	3.8720	0.3482	9.0
21 JURISDICTIONAL KWH SALES	156,983,964	156,132,302	851,662	0.6	3,745,109	4,014,062	(268,953)	(6.7)	4.1917	3.8896	0.3021	7.8
22 JURISDICTIONAL KWH SALES ADJUSTED FOR L NE LOSS - 1.00031	157,032,629	156,180,703	851,926	0.6	3,745,109	4,014,062	(268,953)	(6.7)	4.1930	3.8908	0.3022	7.8
23 PRIOR PERIOD TRUE-UP	8,145,991	8,145,991	(0)	0.0	3,745,109	4,014,062	(268,953)	(6.7)	0.2175	0.2029	0.0146	7.2
24 TOTAL JURISDICTIONAL FUEL COST	165,178,620	164,326,694	851,926	0.5	3,745,109	4,014,062	(268,953)	(6.7)	4.4105	4.0937	0.3168	7.7
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									4.4137	4.0966	0.3171	7.7
27 GPIF	232,768	232,768			3,745,109	4,014,062			0.0062	0.0058	0.0004	6.9
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST 001 CENTS/KWH									4.420	4.102	0.318	7.7

*Line 15a. MWH Data for Infomational Purposes Only

DUKE ENERGY FLORIDA
FUEL AND PURCHASED POWER
COST RECOVERY CLAUSE CALCULATION
YEAR TO DATE - AUGUST 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)	860,023,782	876,884,901	(16,861,120)	(1.9)	24,679,546	24,983,744	(304,198)	(1.2)	3.4848	3.5098	(0.0250)	(0.7)
2 COAL CAR SALE	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
3 ADJUSTMENTS TO FUEL COST - MISCELLANEOUS	3,962,878	1,269,969	2,692,909	212.1	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	863,986,660	878,154,871	(14,168,210)	(1.6)	24,679,546	24,983,744	(304,198)	(1.2)	3.5008	3.5149	(0.0141)	(0.4)
5 ENERGY COST OF PURCHASED POWER - FIRM (SCH A7)	109,675,228	91,758,474	17,916,753	19.5	2,453,392	2,072,280	381,112	18.4	4.4704	4.4279	0.0425	1.0
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)	10,437,862	7,540,492	2,897,369	38.4	217,802	166,586	51,216	30.7	4.7924	4.5265	0.2659	5.9
8 PAYMENTS TO QUALIFYING FACILITIES (SCH A8)	96,531,487	100,739,705	(4,208,218)	(4.2)	2,157,418	2,222,725	(65,308)	(2.9)	4.4744	4.5323	(0.0579)	(1.3)
9 TOTAL COST OF PURCHASED POWER	216,644,576	200,038,672	16,605,904	8.3	4,828,611	4,461,591	367,021	8.2	4.4867	4.4836	0.0031	0.1
10 TOTAL AVAILABLE MWH					29,508,158	29,445,335	62,823	0.2				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(1,591,191)	(2,081,182)	489,991	(23.5)	(34,177)	(44,882)	10,705	(23.9)	4.6557	4.6370	0.0187	0.4
11a GA N ON OTHER POWER SALES - 100% (SCH A6)	(1,774,940)	(1,911,729)	136,789	(7.2)	(34,177)	(44,882)	10,705	(23.9)	5.1934	4.2595	0.9339	21.9
11b GA N ON TOTAL POWER SALES - 20% (SCH A6)	0	18,888	(18,888)	(100.0)	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
12 FUEL COST OF STRATIFIED SALES	(29,644,443)	(28,098,386)	(1,546,056)	5.5	(1,414,881)	(1,302,244)	(112,637)	8.7	2.0952	2.1577	(0.0625)	(2.9)
13 TOTAL FUEL COST AND GA NS ON POWER SALES	(33,010,574)	(32,072,410)	(938,164)	2.9	(1,449,058)	(1,347,126)	(101,932)	7.6	2.2781	2.3808	(0.1027)	(4.3)
14 NET INADVERTENT AND WHEELED INTERCHANGE					149,143	96,969	52,174					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	1,047,620,662	1,046,121,133	1,499,529	0.1	28,208,243	28,195,178	13,065	0.1	3.7139	3.7103	0.0036	0.1
16 NET UNB LLED	24,349,392	18,078,209	6,271,183	34.7	(655,632)	(475,467)	(180,165)	37.9	0.0951	0.0698	0.0253	36.3
17 COMPANY USE	4,687,550	4,914,321	(226,771)	(4.6)	(126,217)	(132,210)	5,993	(4.5)	0.0183	0.0190	(0.0007)	(3.7)
18 T & D LOSSES	67,221,032	62,889,009	4,332,023	6.9	(1,809,994)	(1,696,106)	(113,889)	6.7	0.2624	0.2429	0.0195	8.0
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	1,047,620,662	1,046,121,133	1,499,529	0.1	25,616,400	25,891,396	(274,996)	(1.1)	4.0896	4.0404	0.0492	1.2
20 WHOLESALE KWH SALES (EXCLUD NG STRATIFIED SALES)	(6,569,401)	(6,260,441)	(308,960)	4.9	(158,093)	(152,652)	(5,441)	3.6	4.1554	4.1011	0.0543	1.3
21 JURISDICTIONAL KWH SALES	1,041,051,261	1,039,860,692	1,190,569	0.1	25,458,307	25,738,744	(280,437)	(1.1)	4.0892	4.0401	0.0491	1.2
22 JURISDICTIONAL KWH SALES ADJUSTED FOR L NE LOSS - 1.00031	1,041,475,402	1,040,284,463	1,190,939	0.1	25,458,307	25,738,744	(280,437)	(1.1)	4.0909	4.0417	0.0492	1.2
23 PRIOR PERIOD TRUE-UP	65,167,925	65,167,928	(3)	0.0	25,458,307	25,738,744	(280,437)	(1.1)	0.2560	0.2532	0.0028	1.1
24 TOTAL JURISDICTIONAL FUEL COST	1,106,643,326	1,105,452,391	1,190,935	0.1	25,458,307	25,738,744	(280,437)	(1.1)	4.3469	4.2949	0.0520	1.2
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									4.3500	4.2980	0.0520	1.2
27 GPIF	1,862,144	1,862,144			25,458,307	25,738,744			0.0073	0.0072	0.0001	98.6
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									4.357	4.305	0.052	1.2

*Line 15a. MWH Data for Infomational Purposes Only

DUKE ENERGY FLORIDA
CALCULATION OF TRUE-UP AND INTEREST PROVISION
AUGUST 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	\$127,721,637	135,566,020	(\$7,844,383)	(5.8)	\$860,023,782	\$876,884,901	(\$16,861,120)	(1.9)
1a. COAL CAR SALE	0	0	0	0.0	0	0	0	0.0
2 . FUEL COST OF POWER SOLD	(8,990)	(377,184)	368,194	(97.6)	(1,591,191)	(2,081,182)	489,991	(23.5)
2a. GAS NON POWER SALES	(3,161)	(104,917)	101,756	(97.0)	(1,774,940)	(1,911,729)	136,789	(7.2)
3 . FUEL COST OF PURCHASED POWER	19,697,789	11,066,448	8,631,341	78.0	109,675,228	91,758,474	17,916,753	19.5
3a. ENERGY PAYMENTS TO QUALIFYING FACILITIES	10,909,136	11,653,872	(744,736)	(6.4)	96,531,487	100,739,705	(4,208,218)	(4.2)
4 . ENERGY COST OF ECONOMY PURCHASES	1,591,806	569,569	1,022,237	179.5	10,437,862	7,540,492	2,897,369	38.4
5 . TOTAL FUEL & NET POWER TRANSACTIONS	159,908,217	158,373,808	1,534,409	1.0	1,073,302,227	1,072,930,662	371,564	0.0
6 . ADJUSTMENTS TO FUEL COST:								
6a. FUEL COST OF STRATIFIED SALES	(3,050,492)	(2,579,545)	(470,947)	18.3	(29,644,443)	(28,098,386)	(1,546,056)	5.5
6b. OTHER- JURISDICTIONAL ADJUSTMENTS (see detail below)	1,201,039	1,261,599	(60,560)	(4.8)	3,962,878	1,269,969	2,692,909	212.1
6c. OTHER - PRIOR PERIOD ADJUSTMENT	0	0	0	0.0	0	0	0	0.0
7 . ADJUSTED TOTAL FUEL & NET PWR TRNS	\$158,058,764	\$157,055,863	\$1,002,901	0.6	\$1,047,620,662	\$1,046,102,245	\$1,518,417	0.2

FOOTNOTE: DETAIL OF LINE 6b ABOVE

INSPECTION & FUEL ANALYSIS REPORTS (Wholesale Portion)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CITRUS COUNTY INEFFICIENT USE	(60,859)	0	(60,859)	(60,859)	(60,859)	0	(60,859)
UNIVERSITY OF FLORIDA STEAM REVENUE ALLOCATION (Wholesale Portion)	680	0	680	4,880	0	4,880	
FPD AGREEMENT TERMINATION	0	0	0	0	0	0	0
TANK BOTTOM ADJUSTMENT	0	0	0	(99,086)	0	(99,086)	
AERIAL SURVEY ADJUSTMENT (Coal Pile)	0	0	0	1,695,365	0	1,695,365	
FPD AGREEMENT TERMINATION	1,261,218	0	1,261,218	2,318,632	0	2,318,632	
N/A - Not used	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	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	\$1,201,039	\$0	\$1,201,039	\$3,962,878	\$0	\$3,962,878	

B. KWH SALES								
1 . JURISDICTIONAL SALES	3,745,109,393	4,014,062,496	(268,953,103)	(6.7)	25,458,307,089	25,738,743,745	(280,436,656)	(1.1)
2 . NON JURISDICTIONAL (WHOLESALE) SALES	25,467,863	24,340,000	1,127,863	4.6	158,092,595	152,652,074	5,440,521	3.6
3 . TOTAL SALES	3,770,577,256	4,038,402,496	(267,825,240)	(6.6)	25,616,399,684	25,891,395,819	(274,996,135)	(1.1)
4 . JURISDICTIONAL SALES % OF TOTAL SALES	99.32	99.40	(0.08)	(0.1)	99.38	99.41	(0.03)	(0.0)

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

	CURRENT MONTH				YEAR TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT
C. TRUE UP CALCULATION								
1. JURISDICTIONAL FUEL REVENUE	\$155,282,574	\$165,542,690	(\$10,260,115)	(6.2)	\$1,041,574,546	\$1,051,340,039	(\$9,765,493)	(0.9)
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	(65,167,925)	(65,167,928)	3	0.0
2b. INCENTIVE PROVISION	(232,768)	(232,768)	0	0.0	(1,862,144)	(1,862,144)	0	0.0
3. TOTAL JURISDICTIONAL FUEL REVENUE	146,903,816	157,163,931	(10,260,115)	(6.5)	974,544,477	984,309,967	(9,765,490)	(1.0)
4. ADJ TOTAL FUEL & NET PWR TRNS (L NE A7)	158,058,764	157,055,863	1,002,901	0.6	1,047,620,662	1,046,102,245	1,518,417	0.2
5. JURISDICTIONAL SALES % OF TOT SALES (L NE B4)	99.32	99.40	(0.08)	(0.1)	99.38	99.41	(0.03)	(0.0)
6. JURISDICTIONAL FUEL & NET POWER TRANSACTIONS (L NE C4 * L NE C5 * 1.00031 LOSS MULTIPLIER)	157,032,629	156,180,703	851,926	0.6	1,041,475,402	1,040,284,463	1,190,939	0.1
7. TRUE UP PROVISION FOR THE MONTH OVER/(UNDER) COLLECTION (LINE C3 - C6)	(10,128,814)	983,228	(11,112,041)	(1,130.2)	(66,930,924)	(55,974,496)	(10,956,428)	19.6
8. INTEREST PROVISION FOR THE MONTH (L NE D10)	(353,926)	(334,448)	(19,478)	5.8	(2,483,020)	(2,452,869)	(30,152)	1.2
9. TRUE UP & INTEREST PROVISION BEG OF MONTH/PERIOD	(213,509,249)	(213,654,189)	144,940	(0.1)	(211,599,978)	(211,599,981)	3	0.0
10. TRUE UP COLLECTED (REFUNDED)	8,145,991	8,145,991	(0)	0.0	65,167,925	65,167,928	(3)	0.0
11. END OF PERIOD TOTAL NET TRUE UP (LINES C7 + C8 + C9 + C10)	(215,845,998)	(204,859,418)	(10,986,580)	5.4	(215,845,998)	(204,859,418)	(10,986,580)	5.4
12. OTHER:	0				0		0	
13. END OF PERIOD TOTAL NET TRUE UP (L NES C11 + C12)	(\$215,845,998)	(204,859,418)	(10,986,580)	5.4	(\$215,845,998)	(204,859,418)	(10,986,580)	5.4
D. INTEREST PROVISION								
1. BEGINNING TRUE UP (L NE C9)	(\$213,509,249)	N/A	--	--				
2. ENDING TRUE UP (LINES C7 + C9 + C10 + C12)	(215,492,072)	N/A	--	--				
3. TOTAL OF BEGINNING & ENDING TRUE UP	(429,001,321)	N/A	--	--				
4. AVERAGE TRUE UP (50% OF L NE D3)	(214,500,660)	N/A	--	--				
5. INTEREST RATE - FIRST DAY OF REPORTING MONTH	1.980	N/A	--	--				
6. INTEREST RATE - FIRST DAY OF SUBSEQUENT MONTH	1.980	N/A	--	--				
7. TOTAL (L NE D5 + LINE D6)	3.960	N/A						
8. AVERAGE INTEREST RATE (50% OF L NE D7)	1.980	N/A	--	--				
9. MONTHLY AVERAGE INTEREST RATE (LINE D8/12)	0.165	N/A	--	--				
10. INTEREST PROVISION (LINE D4 * L NE D9)	(\$353,926)	N/A	--	--				

NOT

A-3 Generating System Comparative Data Report

Final

Duke Energy Florida, LLC

Report Period :

8/1/2018 to 8/1/2018

Run Date:

9/14/2018 10:05:38 AM

	<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		1,296,419	183,968	1,112,451	604.7 %
3 - COAL		32,016,077	36,832,726	(4,816,649)	(13.1 %)
4 - GAS		94,409,141	98,549,326	(4,140,185)	(4.2 %)
5 - NUCLEAR		0	0	0	0.0 %
6		0	0	0	0.0 %
7		0	0	0	0.0 %
8 - TOTAL (\$)		127,721,637	135,566,020	(7,844,383)	(5.8 %)
SYSTEM NET GENERATION (MWH)					
9 - HEAVY O L		0	0	0	0.0 %
10 - LIGHT O L		5,154	134	5,020	3746.5 %
11 - COAL		972,483	1,046,058	(73,575)	(7.0 %)
12 - GAS		2,781,488	2,790,461	(8,973)	(0.3 %)
13 - NUCLEAR		0	0	0	0.0 %
14 - SOLAR		1,017	3,512	(2,495)	(71.0 %)
15		0	0	0	0.0 %
16 - TOTAL (MWH)		3,760,142	3,840,165	(80,023)	(2.1 %)
UNITS OF FUEL BURNED					
17 - HEAVY OIL (BBL)		0	0	0	0.0 %
18 - LIGHT O L (BBL)		11,740	1,139	10,601	930.7 %
19 - COAL (TON)		424,869	469,120	(44,251)	(9.4 %)
20 - GAS (MCF)		21,952,581	21,921,101	31,480	0.1 %
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		67,673	6,629	61,044	920.9 %
26 - COAL		9,830,268	10,915,579	(1,085,311)	(9.9 %)
27 - GAS		22,393,152	21,921,101	472,051	2.2 %
28 - NUCLEAR		0	0	0	0.0 %
29		0	0	0	0.0 %
30		0	0	0	0.0 %
31 - TOTAL (MILLION BTU)		32,291,094	32,843,309	(552,215)	(1.7 %)
GENERATION MIX (% MWH)					
32 - HEAVY OIL		0.0	0.00	0.0	0.0 %
33 - LIGHT O L		0.1	0.00	0.1	3828.3 %
34 - COAL		25.9	27.24	(1.4)	(5.1 %)
35 - GAS		74.0	72.67	1.3	1.8 %
36 - NUCLEAR		0.0	0.00	0.0	0.0 %
37 - SOLAR		0.03	0.09	(0.06)	(70.4 %)
38		0	0	0	0.0 %
39 - TOTAL (% MWH)		100	100	0.1	0.1 %

A-3 Generating System Comparative Data Report

Final

Duke Energy Florida, LLC

Report Period :

8/1/2018 to 8/1/2018

Run Date:

9/14/2018 10:05:38 AM

FUEL COST PER UNIT (\$)

40 - HEAVY OIL (\$/BBL)	0.00	0 00	0.00	0.0 %
41 - LIGHT O L (\$/BBL)	110.43	161.52	(51.09)	(31.6 %)
42 - COAL (\$/TON)	75.36	78.51	(3.16)	(4.0 %)
43 - GAS (\$/MCF)	4.30	4.50	(0.20)	(4.3 %)
44 - NUCLEAR (\$/MBTU)	0.00	0 00	0.00	0.0 %
45	0.00	0 00	0.00	0.0 %
46	0.00	0 00	0.00	0.0 %

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

47 - HEAVY OIL	0.00	0 00	0.00	0.0 %
48 - LIGHT O L	19.16	27.75	(8.60)	(31.0 %)
49 - COAL	3.26	3.37	(0.12)	(3.5 %)
50 - GAS	4.22	4.50	(0.28)	(6.2 %)
51 - NUCLEAR	0.00	0 00	0.00	0.0 %
52	0.00	0 00	0.00	0.0 %
53	0.00	0 00	0.00	0.0 %
54 - SYSTEM (\$/MBTU)	3.96	4.13	(0.17)	(4.2 %)

BTU BURNED PER KWH (BTU/KWH)

55 - HEAVY OIL	0	0	0	0.0 %
56 - LIGHT O L	13,130	49,470	(36,341)	(73.5 %)
57 - COAL	10,108	10,435	(327)	(3.1 %)
58 - GAS	8,051	7,856	195	2.5 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %
62 - SYSTEM (BTU/KWH)	8,588	8,553	35	0.4 %

GENERATED FUEL COST PER KWH (CENTS/KWH)

63 - HEAVY OIL	0.00	0 00	0.00	0.0 %
64 - LIGHT O L	25.15	137.29	(112.14)	(81.7 %)
65 - COAL	3.29	3.52	(0.23)	(6.5 %)
66 - GAS	3.39	3.53	(0.14)	(3.9 %)
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)	3.40	3.53	(0.13)	(3.8 %)

A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Report Period : 1/1/2018 to 8/1/2018

Run Date: 9/14/2018 10:09:21 AM

FUEL COST OF SYSTEM	ACTUAL	ESTIMATED	DIFFERENCE	DIFFERENCE (%)
NET GENERATION (\$)				
1 - HEAVY O L	0	0	0	0.0 %
2 - LIGHT OIL	19,149,369	15,306,431	3,842,938	25.1 %
3 - COAL	186,559,996	205,879,869	(19,319,873)	(9.4 %)
4 - GAS	654,314,416	655,698,602	(1,384,186)	(0.2 %)
5 - NUCLEAR	0	0	0	0.0 %
6	0	0	0	0.0 %
7	0	0	0	0.0 %
8 - TOTAL (\$)	860,023,782	876,884,902	(16,861,120)	(1.9 %)
SYSTEM NET GENERATION (MWH)				
9 - HEAVY O L	0	0	0	0.0 %
10 - LIGHT O L	76,895	60,159	16,736	27.8 %
11 - COAL	5,590,612	6,073,724	(483,112)	(8.0 %)
12 - GAS	18,993,316	18,826,071	167,245	0.9 %
13 - NUCLEAR	0	0	0	0.0 %
14 - SOLAR	18,722	23,793	(5,071)	(21.3 %)
15	0	0	0	0.0 %
16 - TOTAL (MWH)	24,679,545	24,983,747	(304,202)	(1.2 %)
UNITS OF FUEL BURNED				
17 - HEAVY OIL (BBL)	0	0	0	0.0 %
18 - LIGHT O L (BBL)	167,488	131,519	35,969	27.3 %
19 - COAL (TON)	2,506,248	2,739,458	(233,210)	(8.5 %)
20 - GAS (MCF)	147,165,885	145,617,447	1,548,438	1.1 %
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	968,623	761,245	207,378	27.2 %
26 - COAL	57,643,481	63,046,497	(5,403,016)	(8.6 %)
27 - GAS	150,218,609	147,734,056	2,484,553	1.7 %
28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (MILLION BTU)	208,830,713	211,541,798	(2,711,085)	(1.3 %)
GENERATION MIX (% MWH)				
32 - HEAVY OIL	0.0	0.00	0.0	0.0 %
33 - LIGHT O L	0.3	0.24	0.1	29.4 %
34 - COAL	22.7	24.31	(1.7)	(6.8 %)
35 - GAS	77.0	75.35	1.6	2.1 %
36 - NUCLEAR	0.0	0.00	0.0	0.0 %
37 - SOLAR	0.08	0.10	(0.02)	(20.3 %)
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 8/1/2018

Run Date: 9/14/2018 10:09:21 AM

FUEL COST PER UNIT (\$)

40 - HEAVY OIL (\$/BBL)	0.00	0 00	0.00	0.0 %
41 - LIGHT O L (\$/BBL)	114.33	116 38	(2.05)	(1.8 %)
42 - COAL (\$/TON)	74.44	75.15	(0.72)	(1.0 %)
43 - GAS (\$/MCF)	4.45	4.50	(0.06)	(1.3 %)
44 - NUCLEAR (\$/MBTU)	0.00	0 00	0.00	0.0 %
45	0.00	0 00	0.00	0.0 %
46	0.00	0 00	0.00	0.0 %

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

47 - HEAVY OIL	0.00	0 00	0.00	0.0 %
48 - LIGHT O L	19.77	20.11	(0.34)	(1.7 %)
49 - COAL	3.24	3.27	(0.03)	(0.9 %)
50 - GAS	4.36	4.44	(0.08)	(1.9 %)
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)	4.12	4.15	(0.03)	(0.6 %)

BTU BURNED PER KWH (BTU/KWH)

55 - HEAVY OIL	0	0	0	0.0 %
56 - LIGHT O L	12,597	12,654	(57)	(0.5 %)
57 - COAL	10,311	10,380	(69)	(0.7 %)
58 - GAS	7,909	7,847	62	0.8 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %
62 - SYSTEM (BTU/KWH)	8,462	8,467	(5)	(0.1 %)

GENERATED FUEL COST PER KWH (CENTS/KWH)

63 - HEAVY OIL	0.00	0 00	0.00	0.0 %
64 - LIGHT O L	24.90	25.44	(0.54)	(2.1 %)
65 - COAL	3.34	3.39	(0.05)	(1.6 %)
66 - GAS	3.44	3.48	(0.04)	(1.1 %)
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)	3.48	3.51	(0.03)	(0.7 %)

A-4 System Net Generation and Fuel Cost Report

Duke Energy Florida, LLC

Report Period : 8/1/2018 to 8/1/2018

Run Date: 9/7/2018 1:56:23 PM

(A) PLANT	(B) NET CAP (MW)	(C) NET GENERATION (MWH)	(D) CAP FAC (%)	(E) EQUIV AVA L FAC(%)	(F) NET OUTPUT FAC(%)	(G) AVE NET HEAT RATE (BTU/KWH)	(H) FUEL TYPE	(I) FUEL BURN (UNITS)	(J) FUEL HEAT VALUE (MMBTU/UNIT)	(K) FUEL BURNED (MMBTU)	(L) AS BURNED FUEL COST (\$)	(M) FUEL COST PER KWH (CENTS/KWH)	(N) FUEL COST PER UNIT (\$)
Solar													
Osceola Solar Facility 1													
TOTAL UNIT 1	4	491.00	16			0				0	0	0.000	
Perry Solar Facility 1													
TOTAL UNIT 1	5	526.00	14			0				0	0	0.000	
Suwanee Solar Facility													
TOTAL UNIT 1	9	0.00				0				0	0	0.000	
TOTAL Solar	18	1,017.00				0				0	0	0.000	
Steam													
Anclote													
		156,501.00					Gas	1,654,596	1.023	1,692,652	7,414,368	4.738	4.481
TOTAL UNIT 1	511	156,501.00	41			10,816				1,692,652	7,414,368	4.738	
		150,345.00					Gas	1,685,005	1.023	1,723,760	7,550,633	5.022	4.481
TOTAL UNIT 2	514	150,345.00	39			11,465				1,723,760	7,550,633	5.022	
Crystal River 1 & 2													
TOTAL UNIT 1		0.00				0				0	0	0.000	
		116,515.73					Coal	61,824	22.228	1,374,224	6,090,255	5.227	98.510
		0.00					No 2	937	5.763	5,400	107,322	0.000	114.538
TOTAL UNIT 2	448	116,515.73	35			11,841				1,379,624	6,197,577	5.319	
Crystal River 4 & 5													
		450,913.00					Coal	191,970	23.292	4,471,365	13,708,989	3.040	71.412
		0.00					No 2	418	5.757	2,407	47,923	0.000	114.648
TOTAL UNIT 4	721	450,913.00	84			9,922				4,473,772	13,756,912	3.051	
		406,473.00					Coal	171,075	23.292	3,984,679	12,216,833	3.006	71.412
		0.00					No 2	1,229	5.757	7,076	140,903	0.000	114.648
TOTAL UNIT 5	721	406,473.00	76			9,820				3,991,755	12,357,735	3.040	
TOTAL Steam	2,915	1,280,748.00				10,355				13,261,562	47,277,225	4.000	

A-4 System Net Generation and Fuel Cost Report

Duke Energy Florida, LLC

Report Period : 8/1/2018 to 8/1/2018

Run Date: 9/7/2018 1:56:23 PM

(A) PLANT	(B) NET CAP (MW)	(C) NET GENERATION (MWH)	(D) CAP FAC (%)	(E) EQUIV AVA L FAC(%)	(F) NET OUTPUT FAC(%)	(G) AVE NET HEAT RATE (BTU/KWH)	(H) FUEL TYPE	(I) FUEL BURN (UNITS)	(J) FUEL HEAT VALUE (MMBTU/UNIT)	(K) FUEL BURNED (MMBTU)	(L) AS BURNED FUEL COST (\$)	(M) FUEL COST PER KWH (CENTS/KWH)	(N) FUEL COST PER UNIT (\$)
Gas Turbine													
Avon Park Peaker													
TOTAL APP	25	283.10 283.00	2			21,902	Gas	6,061	1.023	6,200 6,200	27,026 27,026	9.546	4.459 9.546
Bartow Combined Cycle													
TOTAL BCC	1,197	612,491.00 612,491.00	69			7,677	Gas	4,623,559	1.017	4,702,160 4,702,160	19,464,672 19,464,672	3.178	4.210 3.178
Bartow Peaker													
TOTAL BAP	223	250.80 4,584.20 4,835.00	3			16,193	No 2 Gas	711 72,563	5.712 1.023	4,061 74,232 78,293	73,977 324,390 398,368	29.496 7.076 8.239	104.047 4.470
Bayboro Peaker													
TOTAL BYP	238	72.20 72.00	0			16,218	No 2	205	5.712	1,171 1,171	28,919 28,919	40.053	141.066 40.053
Citrus County													
TOTAL CCCC	588	7,036.00 7,036.00	2			14,429	Gas	98,664	1.029	101,525 101,525	309,432 309,432	4.398	3.136 4.398
Debary Peaker													
TOTAL DEP	548	2,539.54 8,383.46 10,923.00	3			12,187	No 2 Gas	5,376 99,772	5.757 1.024	30,949 102,167 133,115	614,901 446,788 1,061,689	24.213 5.329 9.720	114.379 4.478
Higgins Peaker													
TOTAL HGP	116	3,545.90 3,546.00	4			17,672	Gas	61,253	1.023	62,662 62,662	274,302 274,302	7.736	4.478 7.736
Hines Energy													
TOTAL HEP	2,199	1,377,144.00 1,377,144.00	84			7,229	Gas	9,760,042	1.020	9,955,243 9,955,243	42,179,639 42,179,639	3.063	4.322 3.063
Intercession City Peaker													
TOTAL ICP	1,202	1,239.77 76,791.20 78,031.00	9			13,271	No 2 Gas	2,836 996,207	5.802 1.023	16,453 1,019,120 1,035,573	279,991 4,219,490 4,499,481	22.584 5.495 5.766	98.728 4.236
Osprey													
TOTAL OSP	600	200,594.00 200,594.00	45			7,387	Gas	1,449,827	1.022	1,481,723 1,481,723	6,138,266 6,138,266	3.060	4.234 3.060
Suwannee Peaker													
TOTAL SRP	203	10.85 4,139.35 4,150.00	3			14,476	No 2 Gas	27 58,574	5.817 1.023	157 59,921 60,078	2,483 262,788 265,271	22.887 6.349 6.392	91.968 4.486
Tiger Bay Cogen													
TOTAL TBP	231	154,753.00 154,753.00	90			7,459	Gas	1,134,989	1.017	1,154,284 1,154,284	4,777,554 4,777,554	3.087	4.209 3.087
Univ of Florida Cogen													
TOTAL UFP	47	0.00 24,518.70 24,519.00	70			10,502	No 2 Gas	0 251,469	0.000 1.024	0 257,504 257,504	0 1,019,793 1,019,793	0.000 4.159 4.159	0.000 4.055
TOTAL Gas Turbine	7,417	2,478,377.00				7,678				19,029,532	80,444,412	3.246	
SYSTEM TOTAL	10,350	3,760,141.80				8,588				32,291,094	127,721,637	3.397	

A-4 System Net Generation and Fuel Cost Report

Duke Energy Florida, LLC

Report Period : 1/1/2018 to 8/1/2018

Run Date: 9/7/2018 1:57:01 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	4,487.00	19			0				0	0	0.000	
Perry Solar Facility 1													
TOTAL UNIT 1	5	4,647.00	16			0				0	0	0.000	
Suwanee Solar Facility													
TOTAL UNIT 1	9	9,588.00	18			0				0	0	0.000	
TOTAL Solar	18	18,722.00				0				0	0	0.000	
Steam													
Anclote													
TOTAL UNIT 1	511	1,133,103.00	38			10,832	Gas	11,997,625	1.023	12,274,000	54,510,234	4.811	4.543
TOTAL UNIT 2	514	682,145.00	23			11,337	Gas	7,559,539	1.023	7,733,647	33,944,767	4.976	4.490
TOTAL UNIT 1 & 2	332	99,401.00	5			11,635	Coal	50,272	22.840	1,148,211	4,899,718	4.929	97.464
TOTAL UNIT 1		0.00					No 2	1,449	5.747	8,327	188,355	0.000	129.990
TOTAL UNIT 2	448	540,212.30	21			12,615	Coal	302,101	22.278	6,730,350	29,600,210	5.479	97.981
TOTAL UNIT 1		0.00					No 2	14,666	5.752	84,356	1,733,645	0.000	118.208
TOTAL UNIT 1 & 2	721	2,460,460.00	59			10,026	Coal	1,060,486	23.186	24,588,937	75,217,552	3.057	70.927
TOTAL UNIT 4		0.00					No 2	13,843	5.764	79,793	1,739,060	0.000	125.627
TOTAL UNIT 5	721	2,513,735.00	60			10,048	Coal	1,093,389	23.026	25,175,983	76,842,516	3.057	70.279
TOTAL UNIT 4		0.00					No 2	14,424	5.770	83,220	1,727,468	0.000	119.763
TOTAL Steam	2,915	7,429,056.00				10,487				77,906,824	280,403,525	4.000	

A-4 System Net Generation and Fuel Cost Report

Duke Energy Florida, LLC

Report Period : 1/1/2018 to 8/1/2018

Run Date: 9/7/2018 1:57:01 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													
		12.20					No 2	41	5.816	238	4,232	34.695	103.224
		805.30					Gas	15,407	1.022	15,743	65,969	8.192	4.282
TOTAL APP	50	818.00	0			19,549				15,982	70,201	8.587	
Bartow Combined Cycle													
TOTAL BCC	1,197	4,600,874.00	66			7,776	Gas	35,103,603	1.019	35,776,952	158,179,172	3.438	4.506
		4,600,874.00								35,776,952	158,179,172	3.438	
Bartow Peaker													
TOTAL BAP	223	1,359.83	2			15,739	No 2	3,747	5.712	21,403	389,864	28.670	104.047
		19,348.07					Gas	298,059	1.022	304,526	1,287,586	6.655	4.320
TOTAL BAP	223	20,708.00	2							325,929	1,677,450	8.101	
Bayboro Peaker													
TOTAL BYP	238	7,483.40	1			13,365	No 2	17,510	5.712	100,017	2,508,565	33.522	143.265
		7,483.00								100,017	2,508,565	33.522	
TOTAL BYP	238	7,483.00	1										
Citrus County													
TOTAL CCCC	588	7,036.00	0			14,429	Gas	98,664	1.029	101,525	309,432	4.398	3.136
		7,036.00								101,525	309,432	4.398	
TOTAL CCCC	588	7,036.00	0										
Debary Peaker													
TOTAL DEP	617	22,020.58	1			13,252	No 2	50,197	5.764	291,810	5,858,465	26.605	115.716
		16,099.42					Gas	208,345	1.024	213,345	881,321	5.474	4.230
TOTAL DEP	617	38,120.00	1							505,154	6,739,787	17.680	
Higgins Peaker													
TOTAL HGP	116	17,537.40	3			17,555	Gas	301,072	1.023	307,870	1,322,850	7.543	4.394
		17,537.00								307,870	1,322,850	7.543	
TOTAL HGP	116	17,537.00	3										
Hines Energy													
TOTAL HEP	2,199	9,671,078.00	75			7,190	Gas	68,127,787	1.021	69,531,301	298,374,375	3.085	4.380
		9,671,078.00								69,531,301	298,374,375	3.085	
TOTAL HEP	2,199	9,671,078.00	75										
Intercession City Peaker													
TOTAL ICP	1,202	21,202.65	5			13,174	No 2	48,151	5.801	279,333	4,681,507	22.080	97.226
		356,367.90					Gas	4,590,223	1.023	4,694,938	20,947,839	5.878	4.564
TOTAL ICP	1,202	377,571.00	5							4,974,270	25,629,346	6.788	
Osprey													
TOTAL OSP	600	1,357,438.00	39			7,346	Gas	9,760,024	1.022	9,971,580	44,560,045	3.283	4.566
		1,357,438.00								9,971,580	44,560,045	3.283	
TOTAL OSP	600	1,357,438.00	39										
Suwannee Peaker													
TOTAL SRP	203	1,368.56	2			14,707	No 2	3,460	5.817	20,127	318,208	23.251	91.968
		26,172.04					Gas	376,116	1.023	384,901	1,670,346	6.382	4.441
TOTAL SRP	203	27,541.00	2							405,028	1,988,554	7.220	
Tiger Bay Cogen													
TOTAL TBP	231	874,317.00	65			7,481	Gas	6,417,235	1.019	6,541,113	28,616,325	3.273	4.459
		874,317.00								6,541,113	28,616,325	3.273	
TOTAL TBP	231	874,317.00	65										
Univ of Florida Cogen													
TOTAL UFP	47	0.00	84			10,236	No 2	0	0.000	0	0	0.000	0.000
		231,248.00					Gas	2,312,186	1.024	2,367,169	9,644,158	4.170	4.171
TOTAL UFP	47	231,248.00	84							2,367,169	9,644,158	4.170	4.171
TOTAL Gas Turbine	7,511	17,231,768.00				7,598				130,923,889	579,620,259	3.364	
SYSTEM TOTAL	10,444	24,679,546.65				8,462				208,830,713	860,023,785	3.485	

A-5 System Generation Fuel Cost Report

Final

Report Period : 8/1/2018 to 8/1/2018

Duke Energy Florida, LLC

Run Date: 9/6/2018 11:07:31 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)	22,179	1,139	21,040	1847.2%
20 - UNIT COST (\$/BBL)	102.04	161.52	(59.47)	(36.8%)
21 - AMOUNT (\$)	2,263,237	183,968	2,079,269	1130.2%
22 - BURNED				
23 - UNITS (BBL)	11,740	1,139	10,601	930.7%
24 - UNIT COST (\$/BBL)	110.43	161.52	(51.09)	(31.6%)
25 - AMOUNT (\$)	1,296,419	183,968	1,112,451	604.7%
26 - ADJUSTMENTS				
27 - UNITS (BBL)	0			
28 - AMOUNT (\$)	0			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	705,882	714,259	(8,377)	(1.2%)
31 - UNIT COST (\$/BBL)	108.76	108.87	(0.11)	(0.1%)
32 - AMOUNT (\$)	76,773,690	77,760,783	(987,093)	(1.3%)
33 -				
34 - DAYS SUPPLY	1,864	18,813	(16,949)	(90.1%)

A-5 System Generation Fuel Cost Report

Duke Energy Florida, LLC

Final

Report Period : 8/1/2018 to 8/1/2018

Run Date: 9/6/2018 11:07:31 AM

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	328,425	469,120	(140,695)	(30.0%)
37 - UNIT COST (\$/TON)	64.07	78.51	(14.45)	(18.4%)
38 - AMOUNT (\$)	21,041,252	36,832,726	(15,791,474)	(42.9%)
39 - BURNED				
40 - UNITS (TON)	424,869	469,120	(44,251)	(9.4%)
41 - UNIT COST (\$/TON)	75.36	78.51	(3.16)	(4.0%)
42 - AMOUNT (\$)	32,016,077	36,832,726	(4,816,649)	(13.1%)
43 - ADJUSTMENTS				
44 - UNITS (TON)	0			
45 - AMOUNT (\$)	0			
46 - ENDING INVENTORY				
47 - UNITS (TON)	771,434	914,150	(142,716)	(15.6%)
48 - UNIT COST (\$/TON)	76.99	78.51	(1.53)	(1.9%)
49 - AMOUNT (\$)	59,392,046	71,774,030	(12,381,984)	(17.3%)
50 -				
51 - DAYS SUPPLY	56	58	(2)	(3.7%)
GAS				
52 - BURNED				
53 - UNITS (MCF)	21,952,581	21,921,101	31,480	0.1%
54 - UNIT COST (\$/MCF)	4.30	4.50	(0.20)	(4.3%)
55 - AMOUNT (\$)	94,409,141	98,549,326	(4,140,185)	(4.2%)
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 8/1/2018

Duke Energy Florida, LLC

Run Date: 9/6/2018 11:08:29 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)	115,739	54,183	61,556	113.6%
20 - UNIT COST (\$/BBL)	115.11	109.59	5.52	5.0%
21 - AMOUNT (\$)	13,322,528	5,937,837	7,384,691	124.4%
22 - BURNED				
23 - UNITS (BBL)	167,488	131,519	35,969	27.3%
24 - UNIT COST (\$/BBL)	114.33	116.38	(2.05)	(1.8%)
25 - AMOUNT (\$)	19,149,369	15,306,431	3,842,938	25.1%
26 - ADJUSTMENTS				
27 - UNITS (BBL)	(760)			
28 - AMOUNT (\$)	(99,086)			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	705,882	714,259	(8,377)	(1.2%)
31 - UNIT COST (\$/BBL)	108.76	108.87	(0.11)	(0.1%)
32 - AMOUNT (\$)	76,773,690	77,760,783	(987,093)	(1.3%)
33 -				
34 - DAYS SUPPLY	0	0	0	0.0%

A-5 System Generation Fuel Cost Report

Report Period : 1/1/2018 to 8/1/2018

Duke Energy Florida, LLC

Run Date: 9/6/2018 11:08:29 AM

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	2,388,230	2,736,187	(347,957)	(12.7%)
37 - UNIT COST (\$/TON)	74.81	76.88	(2.07)	(2.7%)
38 - AMOUNT (\$)	178,668,257	210,371,112	(31,702,855)	(15.1%)
39 - BURNED				
40 - UNITS (TON)	2,506,248	2,739,458	(233,210)	(8.5%)
41 - UNIT COST (\$/TON)	74.44	75.15	(0.72)	(1.0%)
42 - AMOUNT (\$)	186,559,996	205,879,869	(19,319,873)	(9.4%)
43 - ADJUSTMENTS				
44 - UNITS (TON)	(27,970)			
45 - AMOUNT (\$)	(1,695,365)			
46 - ENDING INVENTORY				
47 - UNITS (TON)	771,434	914,150	(142,716)	(15.6%)
48 - UNIT COST (\$/TON)	76.99	78.51	(1.53)	(1.9%)
49 - AMOUNT (\$)	59,392,046	71,774,030	(12,381,984)	(17.3%)
50 -				
51 - DAYS SUPPLY	0	0	0	0.0%
GAS				
52 - BURNED				
53 - UNITS (MCF)	147,165,885	145,617,447	1,548,438	1.1%
54 - UNIT COST (\$/MCF)	4.45	4.50	(0.06)	(1.3%)
55 - AMOUNT (\$)	654,314,416	655,698,602	(1,384,186)	(0.2%)
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
August 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		7,598		7,598	4.965	6.345	377,184	482,101	104,917
ACTUAL									
Morgan Stanley Capital Group Inc. Tallahassee (City of)	EI Schedule A	100 170		100 170	3.485 3.238	3.876 4.868	3,485.34 5,504.31	3,875.76 8,275.75	390.42 2,771.44
ADJUSTMENT									
PJM Settlements								(0.49)	0.49
Subtotal - Gain on Other Power Sales		270		270	3.33	4.50	8,989.65	12,151.02	3,161.37
CURRENT MONTH TOTAL		270		270	3.33	4.50	8,989.65	12,151.02	3,161.37
DIFFERENCE		(7,328)		(7,328)	(1.64)	(1.84)	(368,194.35)	(469,949.98)	(101,754.65)
DIFFERENCE %		(96)		(96)	(32.94)	(29.07)	(97.62)	(97.48)	(96.99)
CUMULATIVE ACTUAL		34,177		34,177	4.66	9.85	1,591,191.03	3,366,131.15	1,774,941.10
CUMULATIVE ESTIMATED		44,882		44,882	4.64	8.90	2,081,182.29	3,992,911.32	1,911,729.03
DIFFERENCE		(10,705)		(10,705)	0.02	0.95	(489,991.26)	(626,780.17)	(136,787.93)
DIFFERENCE %		(24)		(24)	0.40	10.71	(23.54)	(15.70)	(7.16)

DUKE ENERGY FLORIDA, LLC
SCHEDULE A7

PURCHASED POWER
EXCLUSIVE OF ECONOMY PURCHASES
FOR THE MONTH OF:
AUGUST, 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 NTERRUPTIBL (000)	KWH FOR FIRM (000)	FUEL COST C/KWH	TOTAL COST C/KWH	TOTAL AMOUNT FOR FUEL ADJ \$	FUEL COST \$
ESTIMATED		276,486			276,486	4.003	4.003	11,066,448.00	11,066,448.00
ACTUAL									
Shady Hills Power Company, L.L.C.	TOLL	74,974			74,974	5.907	5.907	4,428,408.79	4,428,408.79
Southern Power Company	Franklin	197,378			197,378	3.001	3.001	5,922,638.99	5,922,638.99
Vandolah Power Company L.L.C.	TOLL	167,882			167,882	5.548	5.548	9,314,699.67	9,314,699.67
ADJUSTMENTS									
Vandolah Power Company L.L.C.	TOLL	600			600	3.638	3.638	21,829.07	21,829.07
Shady Hills Power Company, L.L.C.	TOLL	144			144	14.785	14.785	21,290.12	21,290.12
Southern Power Company	Franklin	(511)			(511)	2.168	2.168	(11,078.03)	(11,078.03)
CURRENT MONTH TOTAL		440,467			440,467	4.472	4.472	19,697,788.61	19,697,788.61
DIFFERENCE		163,981			163,981	0.469	0.469	8,631,340.61	8,631,340.61
DIFFERENCE %		59			59	11.717	11.717	78.00	78.00
CUMULATIVE ACTUAL		2,453,392			2,453,392	4.470	4.470	109,675,227.54	109,675,227.54
CUMULATIVE ESTIMATED		2,072,280			2,072,280	4.428	4.428	91,758,474.49	91,758,474.49
DIFFERENCE		381,112			381,112	0.042	0.042	17,916,753.05	17,916,753.05
DIFFERENCE %		18			18	0.959	0.959	19.53	19.53

DUKE ENERGY FLORIDA, LLC
SCHEDULE A8

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

(1) PURCHASED FROM	(2) TYPE & SCHEDULE	(3) TOTAL PURCHASED KWH (000)	(4) KWH FOR OTHER UTILITIES (000)	(5) KWH FOR TERRUPTIBI (000)	(6) KWH FOR FIRM (000)	(7) ENERGY COST C/KWH	(8) TOTAL COST C/KWH	(9) TOTAL AMOUNT FOR FUEL ADJ \$
ESTIMATED		268,409			268,409	4.342	13.742	11,653,872.42
ACTUAL								
Citrus World (CITRUS)	CO-GEN	26			26	2.941	2.941	752.31
ADJ		15			15			459.13
ADJ		-			-			843.93
Lake County (LAKCOUNT)	CO-GEN	243			243	2.990	2.990	7,265.70
ADJ		-			-			690.41
Lee County (LEECOGAS)	CO-GEN	848			848	3.189	3.189	27,042.72
ADJ		-			-			89,994.45
Metro-Dade County (METRDDAS)	CO-GEN	12,947			12,947	3.107	3.107	402,318.74
ADJ		-			-			63,017.51
Orange Cogen (ORANGEAS)	CO-GEN	676			676	2.986	2.986	20,185.36
ADJ		-			-			2,673.99
Orange Cogen (ORANGEKO)	CO-GEN	36,238			36,238	4.291	4.291	1,554,972.58
ADJ		-			-			2,121.10
Orlando Cogen Limited (ORLACOGL)	CO-GEN	89,488			89,488	5.522	5.522	4,941,527.36
ADJ		-			-			15,624.72
Pasco County Resource Recovery (PASCOUNT)	CO-GEN	16,959			16,959	2.932	2.932	497,237.88
ADJ		-			-			45,083.49
PCS Phosphate (OCSWFCRK)	CO-GEN	0			0	3.006	3.006	5.11
ADJ		(63)			(63)			(2,068.20)
Pinellas County Resource Recovery (PINCOUNT)	CO-GEN	37,064			37,064	2.935	2.935	1,087,828.40
ADJ		-			-			100,962.84
Polk Power Partners, L.P. (MULBERRY)	CO-GEN	38,725			38,725	3.366	3.366	1,303,483.50
ADJ		-			-			93,628.19
Wheelabrator Ridge Energy, Inc. (RIDGEGEN)	CO-GEN	10,622			10,622	5.671	5.671	602,373.62
ADJ		-			-			51,111.24
CURRENT MONTH TOTAL		243,788			243,788	4.475	4.475	10,909,136.07
DIFFERENCE		(24,621)			(24,621)	0.133	(9.267)	(744,736.35)
DIFFERENCE %		(9)			(9)	3.064	(207.102)	(6.39)
CUMULATIVE ACTUAL		2,157,418			2,157,418	4.474	4.474	96,531,486.90
CUMULATIVE ESTIMATED		2,222,725			2,222,725	4.532	4.532	100,739,705.23
CUMULATIVE DIFFERENCE		(65,307)			(65,307)	(0.058)	-0.058	(4,208,218.33)
CUMULATIVE DIFFERENCE %		(3)			(3)	(1.277)	-1.277	(4.18)

DUKE ENERGY FLORIDA, LLC.
SCHEDULE A9

ECONOMY ENERGY PURCHASES
INCLUDING LONG TERM PURCHASES
FOR THE MONTH OF:
AUGUST, 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		11,410	4.992	569,569.00	5.562	634,636.00	65,067.00
ACTUAL:							
SubTotal - Energy Purchases (Broker)							
SEPA	Hydro	4,826	3.975	191,807.78		191,807.78	-
Duke Electric Transmission	Transmission Purchase			\$3,869.53			(3,869.53)
Exelon Generation Company, LLC	International Swaps De	2,745	4.089	\$112,236.00	4.995	\$137,124.49	24,888.49
Florida Power & Light Company	Transmission Purchase			\$98,654.82			(98,654.82)
Florida Power & Light Company		400	4.000	\$16,000.00	5.326	21,304.00	5,304.00
Jacksonville Electric Authority	Transmission Purchase			\$6,850.56			(6,850.56)
Macquarie Energy LLC		5,987	4.865	\$291,249.00	5.670	\$339,434.43	48,185.43
Morgan Stanley Capital Group Inc.	EEI	84	4.500	\$3,780.00	5.801	\$4,872.44	1,092.44
Orlando Utilities Commission	Schedule OS	5,525	7.776	\$429,600.00	11.667	\$644,613.75	215,013.75
PJM Inter.-Transmission	Transmission Purchase			\$733.31			(733.31)
PJM Settlements, Inc	MR1	844	3.911	\$33,006.00	26.172	\$220,889.34	187,883.34
Seminole Electric Cooperative, Inc.	Transmission Purchase			\$1,763.00			(1,763.00)
Southern Company Services, Inc.	EEI	3,100	5.452	\$169,000.00	10.236	\$317,311.40	\$148,311.40
Southern Company Services, Inc. Transmissi	Transmission Purchase			7,067.00			(7,067.00)
Tampa Electric Company	EEI2	2,595	3.917	101,640.00	4.266	110,704.25	9,064.25
Tennessee Valley Authority Transmission	Transmission Purchase			2,633.28			(2,633.28)
The Energy Authority	EEI	120	3.700	4,440.00	3.353	4,023.60	(416.40)
ADJUSTMENTS							
Pennsylvania-New Jersey-Maryland Int.	MR1			2,637.74			(2,637.74)
Duke Power (correction from June and July)	Transmission Purchase			242.71			(242.71)
Florida Power & Light				(4,087.11)			4,087.11
Jacksonville Electric Authority				2,432.56			(2,432.56)
Southern Company Services	Transmission Purchase			(5.77)			5.77
Tampa Electric Company				116,255.73			(116,255.73)
SubTotal - Energy Purchases (Non-Broker)		26,226	6.070	1,591,806.14	7.596	1,992,085.48	400,279.34
CURRENT MONTH TOTAL		26,226	6.070	1,591,806.14	7.596	1,992,085.48	400,279.34
DIFFERENCE		14,816	1.078	1,022,237.14	2.034	1,357,449.48	335,212.34
DIFFERENCE %		130	21.587	179.48	36.568	213.89	515.18
CUMULATIVE ACTUAL		217,802	4.7924	10,437,861.6	7.0	15,177,745.5	4,739,883.9
CUMULATIVE ESTIMATED		166,586	4.526	7,540,493.00	6.069	10,110,923.00	2,570,431.00
DIFFERENCE		51,216	0.266	2,897,368.6	0.9	5,066,822.5	2,169,452.9
DIFFERENCE %		31	5.874	38.42	14.813	50.11	84.40

DUKE ENERGY FLOR DA
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	0	0	0	0	42,650,204.57
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	0	0	0	0	42,705,507.12
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	0	0	0	0	15,185,520.00
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	0	0	0	0	36,148,140.00
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	0	0	0	0	58,568,530.86
6 Wheelabrator Ridge Energy, Inc. (R DGEGEN)	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	0	0	0	0	6,360,287.82
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	0	0	0	0	34,725,282.79
8 Retail Wheeling				(82,003)	(2,819)	(5,894)	(4,260)	(35,146)	0	0	(567)	0	0	0	0	(130,688.82)
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	0	0	0	0	33,528,369.00
10 ISFSI Return				677,047	628,287	579,175	555,717	573,770	573,765	573,771	573,769	0	0	0	0	4,735,302.09
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	0	0	0	0	274,476,455
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	0	0	0	0	62,747,960
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	0	0	0	0	337,224,415