



Matthew R. Bernier  
ASSOCIATE GENERAL COUNSEL

January 29, 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 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/cmkn  
Attachments

## CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true copy of Duke Energy Florida, LLC's Revised Schedules A1-A9 and A12 for the month of December 2018 have been furnished to the following individuals via e-mail on this 29<sup>th</sup> day of January, 2019.

/s/ Matthew R. Bernier

Attorney

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DUKE ENERGY FLORIDA  
FUEL AND PURCHASED POWER

Revised

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 - FIRM (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 QUALIFYING FACILITIES (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 AVAILABLE MWH					3,112,889	3,277,370	(164,481)	(5.0)				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(40,550)	(387,492)	346,942	(89.5)	(614)	(12,587)	11,973	(95.1)	6.6064	3.0786	3.5278	114.6
11a GAIN ON OTHER POWER SALES - 100% (SCH A6)	(26,968)	(107,785)	80,817	(75.0)	(614)	(12,587)	11,973	(95.1)	4.3936	0.8563	3.5373	413.1
11b GAIN ON TOTAL POWER SALES - 20% (SCH A6)	5,392	21,557	(16,165)	(75.0)	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	(3,142,113)	(1,898,113)	(1,244,000)	65.5	(126,122)	(108,448)	(17,674)	16.3	2.4913	1.7503	0.7410	42.3
14 NET INADVERTENT AND WHEELED INTERCHANGE					33,377	0	33,377					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	136,670,010	116,559,218	20,110,792	17.3	3,020,144	3,168,923	(148,778)	(4.7)	4.5253	3.6782	0.8471	23.0
16 NET UNBILLED	(403,413)	2,928,938	(3,332,351)	(113.8)	8,915	(79,630)	88,544	(111.2)	(0.0139)	0.1011	(0.1150)	(113.8)
17 COMPANY USE	1,271,809	654,504	617,305	94.3	(28,105)	(17,794)	(10,310)	57.9	0.0439	0.0226	0.0213	94.3
18 T & D LOSSES	4,746,868	6,405,701	(1,658,833)	(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)	136,670,010	116,559,218	20,110,792	17.3	2,896,058	2,897,345	(1,288)	(0.0)	4.7192	4.0230	0.6962	17.3
20 WHOLESALE KWH SALES (EXCLUDING STRATIFIED SALES)	(820,020)	(711,011)	(109,009)	15.3	(17,355)	(17,608)	253	(1.4)	4.7249	4.0380	0.6869	17.0
21 JURISDICTIONAL KWH SALES	135,849,990	115,848,207	20,001,783	17.3	2,878,702	2,879,737	(1,035)	(0.0)	4.7191	4.0229	0.6962	17.3
22 JURISDICTIONAL KWH SALES ADJUSTED FOR LINE LOSS - 1.00031	135,892,103	115,884,120	20,007,984	17.3	2,878,702	2,879,737	(1,035)	(0.0)	4.7206	4.0241	0.6965	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	144,038,094	124,030,111	20,007,983	16.1	2,878,702	2,879,737	(1,035)	(0.0)	5.0036	4.3070	0.6966	16.2
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									5.0072	4.3101	0.6971	16.2
27 GPIF	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	16.1

\*Line 15a. MWH Data for Infomational Purposes Only

Revised

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 - FIRM (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 QUALIFYING FACILITIES (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 AVAILABLE 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 GAIN 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 GAIN 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 INTERCHANGE					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 UNBILLED	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 (EXCLUDING STRATIFIED SALES)	(10,372,497)	(8,864,036)	(1,508,461)	17.0	(254,230)	(222,684)	(31,546)	14.2	4.0800	3.9805	0.0995	2.5
21 JURISDICTIONAL KWH SALES	1,587,419,241	1,533,586,147	53,833,094	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 LINE LOSS - 1.00031	1,588,012,756	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	1,685,764,643	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 GPIF	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	(40,550)	(387,492)	346,942	(89.5)	(2,628,177)	(3,043,086)	414,909	(13.6)
2a. GAIN ON POWER SALES	(21,576)	(107,785)	86,209	(80.0)	(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	134,784,491	116,715,354	18,069,137	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	\$136,670,010	\$116,537,661	\$20,132,349	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 INEFFICIENT USE	0	0	0	(1,502,363)	0	(1,502,363)	
UNIVERSITY OF FLORIDA STEAM REVENUE ALLOCATION (Wholesale Portion)	600	0	600	7,620	0	7,620	
FPD AGREEMENT TERMINATION	0	0	0	0	0	0	
TANK BOTTOM ADJUSTMENT	0	0	0	(171,899)	0	(171,899)	
AERIAL SURVEY ADJUSTMENT (Coal Pile)	3,719,710	0	3,719,710	5,415,075	0	5,415,075	
FDP AGREEMENT TERMINATION	1,245,196	0	1,245,196	7,326,228	0	7,326,228	
RAIL CAR SALE PROCEEDS	0	0	0	0	0	0	
Gain/Loss on Disposition of Oil	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	
Derivative Collateral Interest	0	0	0	0	0	0	
<b>SUBTOTAL LINE 6b SHOWN ABOVE</b>	<b>\$4,965,506</b>	<b>\$0</b>	<b>\$4,965,506</b>	<b>\$11,178,608</b>	<b>\$0</b>	<b>\$11,178,608</b>	

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. INCENTIVE 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 (LINE A7)	136,670,010	116,537,661	20,132,349	17.3	1,597,791,739	1,542,377,783	55,413,956	3.6
5. JURISDICTIONAL SALES % OF TOT SALES (LINE B4)	99.40	99.39	0.01	0.0	99.35	99.43	(0.08)	(0.1)
6. JURISDICTIONAL FUEL & NET POWER TRANSACTIONS (LINE C4 * LINE C5 * 1.00031 LOSS MULTIPLIER)	135,892,103	115,884,120	20,007,984	17.3	1,588,012,756	1,534,162,974	53,849,782	3.5
7. TRUE UP PROVISION FOR THE MONTH OVER/(UNDER) COLLECTION (LINE C3 - C6)	(28,475,468)	(5,500,532)	(22,974,936)	417.7	(85,077,474)	(31,060,523)	(54,016,951)	173.9
8. INTEREST PROVISION FOR THE MONTH (LINE D10)	(378,902)	(239,187)	(139,715)	58.4	(3,954,025)	(3,542,306)	(411,719)	11.6
9. TRUE UP & INTEREST PROVISION BEG OF MONTH/PERIOD	(182,171,211)	(150,857,190)	(31,314,021)	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)	(202,879,590)	(148,450,918)	(54,428,672)	36.7	(202,879,590)	(148,450,918)	(54,428,672)	36.7
12. OTHER:	0				0		0	
13. END OF PERIOD TOTAL NET TRUE UP (LINES C11 + C12)	(\$202,879,590)	(148,450,918)	(54,428,672)	36.7	(\$202,879,590)	(148,450,918)	(54,428,672)	36.7
D. INTEREST PROVISION								
1. BEGINNING TRUE UP (LINE C9)	(\$182,171,211)	N/A	--	--				
2. ENDING TRUE UP (LINES C7 + C9 + C10 + C12)	(202,500,688)	N/A	--	--				
3. TOTAL OF BEGINNING & ENDING TRUE UP	(384,671,899)	N/A	--	--			<b>NOT</b>	
4. AVERAGE TRUE UP (50% OF LINE D3)	(192,335,949)	N/A	--	--				
5. INTEREST RATE - FIRST DAY OF REPORTING MONTH	2.300	N/A	--	--				
6. INTEREST RATE - FIRST DAY OF SUBSEQUENT MONTH	2.420	N/A	--	--				
7. TOTAL (LINE D5 + LINE D6)	4.720	N/A	--	--				
8. AVERAGE INTEREST RATE (50% OF LINE D7)	2.360	N/A	--	--				
9. MONTHLY AVERAGE INTEREST RATE (LINE D8/12)	0.197	N/A	--	--				
10. INTEREST PROVISION (LINE D4 * LINE D9)	(\$378,902)	N/A	--	--				

# A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

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

Run Date: 1/24/2019 4:42:30 PM

<u>FUEL COST OF SYSTEM</u>	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
<b>NET GENERATION (\$)</b>				
1 - HEAVY OIL	0	0	0	0.0 %
2 - LIGHT OIL	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 %
<b>SYSTEM NET GENERATION (MWH)</b>				
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 %)
<b>UNITS OF FUEL BURNED</b>				
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)	16,072,933	15,458,280	614,653	4.0 %
21 - NUCLEAR (MMBTU)	0	0	0	0.0 %
22	0	0	0	0.0 %
23	0	0	0	0.0 %
<b>BTUS BURNED (MILLION BTU)</b>				
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	16,388,076	15,458,280	929,796	6.0 %
28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (MILLION BTU)	21,733,271	23,852,714	(2,119,443)	(8.9 %)
<b>GENERATION MIX (% MWH)</b>				
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 : **Revised**  
12/1/2018 to 12/1/2018  
Run Date: 1/24/2019 4:42:30 PM

## 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)	6.11	5.08	1.03	20.3 %
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 OIL	19.43	40.86	(21.44)	(52.5 %)
49 - COAL	3.01	3.22	(0.21)	(6.5 %)
50 - GAS	5.99	5.08	0.91	18.0 %
51 - NUCLEAR	0.00	0.00	0.00	0.0 %
52	0.00	0.00	0.00	0.0 %
53	0.00	0.00	0.00	0.0 %
54 - SYSTEM (\$/MBTU)	5.28	4.43	0.85	19.2 %

## 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	7,521	7,091	431	6.1 %
59 - NUCLEAR	0	0	0	0.0 %
60	0	0	0	0.0 %
61	0	0	0	0.0 %
62 - SYSTEM (BTU/KWH)	7,962	7,959	3	0.0 %

## 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

Revised

Duke Energy Florida, LLC

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

Run Date: 1/24/2019 4:43:36 PM

<u>FUEL COST OF SYSTEM</u>	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
<b>NET GENERATION (\$)</b>				
1 - HEAVY OIL	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 %
<b>SYSTEM NET GENERATION (MWH)</b>				
9 - HEAVY OIL	0	0	0	0.0 %
10 - LIGHT OIL	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 %)
<b>UNITS OF FUEL BURNED</b>				
17 - HEAVY OIL (BBL)	0	0	0	0.0 %
18 - LIGHT OIL (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)	222,082,583	214,463,963	7,618,620	3.6 %
21 - NUCLEAR (MMBTU)	0	0	0	0.0 %
22	0	0	0	0.0 %
23	0	0	0	0.0 %
<b>BTUS BURNED (MILLION BTU)</b>				
24 - HEAVY OIL	0	0	0	0.0 %
25 - LIGHT OIL	1,141,753	783,756	357,997	45.7 %
26 - COAL	86,196,682	98,222,765	(12,026,083)	(12.2 %)
27 - GAS	226,705,787	216,580,572	10,125,215	4.7 %
28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (MILLION BTU)	314,044,222	315,587,093	(1,542,871)	(0.5 %)
<b>GENERATION MIX (% MWH)</b>				
32 - HEAVY OIL	0.0	0.00	0.0	0.0 %
33 - LIGHT OIL	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

Revised

Duke Energy Florida, LLC

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

Run Date: 1/24/2019 4:43:36 PM

**FUEL COST PER UNIT (\$)**

40 - HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.0 %
41 - LIGHT OIL (\$/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	0.3 %
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 OIL	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	52.4 %

**BTU BURNED PER KWH (BTU/KWH)**

55 - HEAVY OIL	0	0	0	0.0 %
56 - LIGHT OIL	12,625	12,969	(344)	(2.6 %)
57 - COAL	10,235	10,366	(131)	(1.3 %)
58 - GAS	7,903	7,716	187	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)	8,436	8,384	52	0.6 %

**GENERATED FUEL COST PER KWH (CENTS/KWH)**

63 - HEAVY OIL	0.00	0.00	0.00	0.0 %
64 - LIGHT OIL	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 (\$)
<b>Solar</b>													
<b>Osceola Solar Facility 1</b>													
TOTAL UNIT 1	4	460	15			0				0	0	0.000	
<b>Perry Solar Facility 1</b>													
TOTAL UNIT 1	5	0				0				0	0	0.000	
<b>Suwanee Solar Facility</b>													
TOTAL UNIT 1	9	1,090	16			0				0	0	0.000	
<b>TOTAL Solar</b>	<b>18</b>	<b>1,550</b>				<b>0</b>				<b>0</b>	<b>0</b>	<b>0.000</b>	
<b>Steam</b>													
<b>Anclote</b>													
TOTAL UNIT 1		0				0				0	0	0.000	
		127,200					Gas	1,358,617	1.024	1,391,224	10,216,058	8.031	7.519
TOTAL UNIT 2	514	127,200	33			10,937				1,391,224	10,216,058	8.031	
<b>Crystal River 1 &amp; 2</b>													
TOTAL UNIT 1		0				0				0	0	0.000	
TOTAL UNIT 2		0				0				0	0	0.000	
<b>Crystal River 4 &amp; 5</b>													
		204,395					Coal	84,547	23.386	1,977,216	5,946,823	2.909	70.337
		0					No 2	633	5.753	3,641	76,486	0.000	120.831
TOTAL UNIT 4	721	204,395	38			9,691				1,980,857	6,023,309	2.947	
		344,040					Coal	142,925	23.386	3,342,444	10,052,984	2.922	70.337
		0					No 2	2,037	5.753	11,718	246,132	0.000	120.831
TOTAL UNIT 5	721	344,040	64			9,749				3,354,162	10,299,116	2.994	
<b>TOTAL Steam</b>	<b>1,956</b>	<b>675,635</b>				<b>9,955</b>				<b>6,726,243</b>	<b>26,538,483</b>	<b>3.928</b>	

# 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 (\$)
<b>Gas Turbine</b>													
<b>Bartow Combined Cycle</b>													
TOTAL BCC	1,197	514,812	58			7,657	Gas	3,872,457	1.018	3,942,161	25,328,931	4.920	6.541
		514,812								3,942,161	25,328,931	4.920	
<b>Bartow Peaker</b>													
TOTAL BAP	61	265	1			16,348	Gas	4,243	1.021	4,332	31,350	11.830	7.389
		265								4,332	31,350	11.830	
<b>Bayboro Peaker</b>													
TOTAL BYP	178	45	0			11,727	No 2	93	5.712	531	13,043	28.793	140.250
		45								531	13,043	28.793	
<b>Citrus County</b>													
TOTAL CCCC	1,820	805,402	59			6,821	Gas	5,386,225	1.020	5,493,950	28,386,160	3.524	5.270
		805,402								5,493,950	28,386,160	3.524	
<b>Debary Peaker</b>													
TOTAL DEP	195	387	0			13,685	Gas	5,177	1.023	5,296	39,144	10.115	7.561
		387								5,296	39,144	10.115	
<b>Higgins Peaker</b>													
TOTAL HGP	116	259	0			17,055	Gas	4,307	1.024	4,410	30,915	11.955	7.178
		259								4,410	30,915	11.955	
<b>Hines Energy</b>													
TOTAL HEP	2,199	634,128	39			7,262	Gas	4,519,257	1.019	4,605,123	27,970,000	4.411	6.189
		634,128								4,605,123	27,970,000	4.411	
<b>Intercession City Peaker</b>													
TOTAL ICP	1,041	487	2			13,343	No 2	1,119	5.802	6,492	110,521	22.716	98.768
		13,263					Gas	173,671	1.019	176,971	1,125,335	8.485	6.480
		13,750								183,463	1,235,856	8.988	
<b>Osprey</b>													
TOTAL OSP	600	43,266	10			7,851	Gas	333,692	1.018	339,698	2,162,962	4.999	6.482
		43,266								339,698	2,162,962	4.999	
<b>Suwannee Peaker</b>													
TOTAL SRP	136	226	5			13,926	No 2	542	5.817	3,153	49,846	22.017	91.968
		5,308					Gas	72,190	1.024	73,923	545,070	10.268	7.550
		5,535								77,075	594,917	10.749	
<b>Tiger Bay Cogen</b>													
TOTAL TBP	0	0	0			0	Gas	0	0.000	0	(21,103)	0.000	0.000
		0								0	(21,103)	0.000	
<b>Univ of Florida Cogen</b>													
TOTAL UFP	47	0	99			10,139	No 2	0	0.000	0	0	0.000	0.000
		34,619					Gas	343,097	1.023	350,988	2,411,844	6.967	7.030
		34,619								350,988	2,411,844	6.967	
<b>TOTAL Gas Turbine</b>	<b>7,590</b>	<b>2,052,467</b>				<b>7,312</b>				<b>15,007,028</b>	<b>88,184,018</b>	<b>4.296</b>	
<b>SYSTEM TOTAL</b>	<b>9,564</b>	<b>2,729,652</b>				<b>7,962</b>				<b>21,733,271</b>	<b>114,722,501</b>	<b>4.203</b>	

# 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)	(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 (\$)
<b>Solar</b>													
<b>Osceola Solar Facility 1</b>													
TOTAL UNIT 1	4	6,330	18			0				0	0	0.000	
<b>Perry Solar Facility 1</b>													
TOTAL UNIT 1	5	4,647	11			0				0	0	0.000	
<b>Suwanee Solar Facility</b>													
TOTAL UNIT 1	9	14,767	19			0				0	0	0.000	
<b>TOTAL Solar</b>	<b>18</b>	<b>25,744</b>				<b>0</b>				<b>0</b>	<b>0</b>	<b>0.000</b>	
<b>Steam</b>													
<b>Anclote</b>													
TOTAL UNIT 1	511	1,508,323	34			10,838	Gas	15,971,041	1.024	16,347,096	74,672,725	4.951	4.676
TOTAL UNIT 2	514	1,206,159	27			11,236	Gas	13,236,287	1.024	13,551,804	66,534,614	5.516	5.027
<b>Crystal River 1 &amp; 2</b>													
TOTAL UNIT 1	332	99,401	3			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	18			12,506	Coal No 2	398,736 15,578	22.266 5.752	8,878,353 89,607	39,185,374 1,839,995	5.465 0.000	98.274 118.115
<b>Crystal River 4 &amp; 5</b>													
TOTAL UNIT 4	721	3,601,528	57			9,986	Coal No 2	1,548,948 17,299	23.154 5.764	35,864,338 99,710	109,434,832 2,145,628	3.039 0.000	70.651 124.032
TOTAL UNIT 5	721	4,033,196	64			10,023	Coal No 2	1,747,989 20,671	23.058 5.769	40,305,780 119,241	122,655,721 2,466,519	3.041 0.000	70.170 119.323
<b>TOTAL Steam</b>	<b>1,956</b>	<b>11,165,680</b>				<b>10,426</b>				<b>116,412,466</b>	<b>424,023,481</b>	<b>3.798</b>	

# 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)	(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 (\$)
<b>Gas Turbine</b>													
<b>Avon Park Peaker</b>													
		22					No 2	74	5.816	430	7,672	35.433	103.678
		881					Gas	17,126	1.022	17,505	75,556	8.580	4.412
TOTAL APP	50	902	0			19,878				17,936	83,228	9.224	
<b>Bartow Combined Cycle</b>													
		7,043,247					Gas	53,394,806	1.019	54,392,901	251,860,602	3.576	4.717
TOTAL BCC	1,197	7,043,247	67			7,723				54,392,901	251,860,602	3.576	
<b>Bartow Peaker</b>													
		1,593					No 2	4,390	5.712	25,076	456,767	28.679	104.047
		25,930					Gas	399,473	1.022	408,254	1,819,222	7.016	4.554
TOTAL BAP	223	27,523	1			15,744				433,330	2,275,988	8.269	
<b>Bayboro Peaker</b>													
		7,901					No 2	19,322	5.712	110,367	2,764,050	34.984	143.052
TOTAL BYP	238	7,901	0			13,969				110,367	2,764,050	34.984	
<b>Citrus County</b>													
		1,399,027					Gas	10,265,949	1.022	10,494,902	48,241,702	3.448	4.699
TOTAL CCC	1,820	1,399,027	9			7,502				10,494,902	48,241,702	3.448	
<b>Debary Peaker</b>													
		25,671					No 2	60,754	5.710	346,912	7,016,666	27.333	115.493
		23,307					Gas	307,465	1.024	314,960	1,389,679	5.963	4.520
TOTAL DEP	647	48,978	1			13,514				661,872	8,406,345	17.164	
<b>Higgins Peaker</b>													
		24,175					Gas	413,363	1.023	422,977	1,931,511	7.990	4.673
TOTAL HGP	116	24,175	2			17,496				422,977	1,931,511	7.990	
<b>Hines Energy</b>													
		13,368,185					Gas	94,301,996	1.021	96,240,532	421,433,971	3.153	4.469
TOTAL HEP	2,199	13,368,185	69			7,199				96,240,532	421,433,971	3.153	
<b>Intercession City Peaker</b>													
		23,979					No 2	54,754	5.801	317,641	5,333,448	22.242	97.407
		519,642					Gas	6,727,956	1.023	6,883,548	31,283,820	6.020	4.650
TOTAL ICP	1,202	543,621	5			13,247				7,201,189	36,617,268	6.736	
<b>Osprey</b>													
		1,982,378					Gas	14,253,760	1.022	14,570,907	66,141,547	3.336	4.640
TOTAL OSP	600	1,982,378	38			7,350				14,570,907	66,141,547	3.336	
<b>Suwannee Peaker</b>													
		1,678					No 2	4,202	5.817	24,443	386,448	23.030	91.968
		41,530					Gas	590,875	1.024	604,944	2,955,165	7.116	5.001
TOTAL SRP	203	43,208	2			14,567				629,387	3,341,613	7.734	
<b>Tiger Bay Cogen</b>													
		1,212,923					Gas	8,846,726	1.020	9,019,257	39,927,269	3.292	4.513
TOTAL TBP	231	1,212,922	60			7,436				9,019,257	39,927,269	3.292	
<b>Univ of Florida Cogen</b>													
		0					No 2	0	0.000	0	3,997	0.000	0.000
		331,594					Gas	3,355,760	1.024	3,436,199	15,419,820	4.650	4.595
TOTAL UFP	47	331,594	81			10,363				3,436,199	15,423,817	4.651	
<b>TOTAL Gas Turbine</b>	<b>8,773</b>	<b>26,033,661</b>				<b>7,591</b>				<b>197,631,757</b>	<b>898,448,911</b>	<b>3.451</b>	
<b>SYSTEM TOTAL</b>	<b>10,747</b>	<b>37,225,086</b>				<b>8,436</b>				<b>314,044,222</b>	<b>1,322,472,393</b>	<b>3.553</b>	

# A-5 System Generation Fuel Cost Report

Duke Energy Florida, LLC

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

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

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
<b>HEAVY OIL</b>				
<b>1 - PURCHASES</b>				
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%
<b>5 - BURNED</b>				
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%
<b>9 - ADJUSTMENTS</b>				
10 - UNITS (BBL)	0		0	0.0%
11 - AMOUNT (\$)	0		0	0.0%
<b>12 - ENDING INVENTORY</b>				
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%
<b>LIGHT OIL</b>				
<b>18 - PURCHASES</b>				
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%
<b>22 - BURNED</b>				
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%
<b>26 - ADJUSTMENTS</b>				
27 - UNITS (BBL)	0			
28 - AMOUNT (\$)	0			
<b>29 - ENDING INVENTORY</b>				
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

Duke Energy Florida, LLC

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

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

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
<b>COAL</b>				
<b>35 - PURCHASES</b>				
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%)
<b>39 - BURNED</b>				
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%)
<b>43 - ADJUSTMENTS</b>				
44 - UNITS (TON)	(51,435)			
45 - AMOUNT (\$)	(3,719,710)			
<b>46 - ENDING INVENTORY</b>				
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%
<b>GAS</b>				
<b>52 - BURNED</b>				
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%
<b>NUCLEAR</b>				
<b>56 - BURNED</b>				
57 - UNITS (MMBTU)	0	0	0	0.0%
58 - UNIT COST (\$/MMBTU)	0.00	0.00	0.00	0.0%
59 - AMOUNT (\$)	0	0	0	0.0%

# A-5 System Generation Fuel Cost Report

Duke Energy Florida, LLC

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

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

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
<b>HEAVY OIL</b>				
<b>1 - PURCHASES</b>				
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%
<b>5 - BURNED</b>				
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%
<b>9 - ADJUSTMENTS</b>				
10 - UNITS (BBL)	0		0	0.0%
11 - AMOUNT (\$)	0		0	0.0%
<b>12 - ENDING INVENTORY</b>				
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%
<b>LIGHT OIL</b>				
<b>18 - PURCHASES</b>				
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%
<b>22 - BURNED</b>				
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%
<b>26 - ADJUSTMENTS</b>				
27 - UNITS (BBL)	1,380			
28 - AMOUNT (\$)	171,899			
<b>29 - ENDING INVENTORY</b>				
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

Duke Energy Florida, LLC

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

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

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
<b>COAL</b>				
<b>35 - PURCHASES</b>				
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%)
<b>39 - BURNED</b>				
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%)
<b>43 - ADJUSTMENTS</b>				
44 - UNITS (TON)	(79,405)			
45 - AMOUNT (\$)	(5,415,075)			
<b>46 - ENDING INVENTORY</b>				
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%
<b>GAS</b>				
<b>52 - BURNED</b>				
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%
<b>NUCLEAR</b>				
<b>56 - BURNED</b>				
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

Revised

(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 \$
<b>ESTIMATED</b>		12,587		12,587	3.079	3.935	387,492.00	495,277.00	107,785.00
<b>ACTUAL</b>									
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)
<b>ADJUSTMENTS</b>									
PJM Settlements							18,556.56	10,441.86	(8,114.70)
City of Tallahassee		(96)						37,797.92	37,797.92
Subtotal - Gain on Other Power Sales		614	0	710	6.606	11.000	40,549.56	67,517.38	26,967.82
CURRENT MONTH TOTAL		614		710	6.606	11.000	40,549.56	67,517.38	26,967.82
DIFFERENCE		(11,973)		(11,877)	3.527	7.065	(346,942.44)	(427,759.62)	(80,817.18)
DIFFERENCE %		(95)		(94)	114.562	179.542	(89.54)	(86.37)	(74.98)
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
<b>ACTUAL</b>									
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
<b>ADJUSTMENTS</b>									
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 ESTIMATED		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 \$
<b>ESTIMATED</b>		271,206	-	-	271,206	4.120	13.424	11,174,284.75
<b>ACTUAL</b>								
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 (PINCOUNT) 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
<b>CURRENT MONTH TOTAL</b>		241,709			241,709	4.610	4.610	11,143,112.69
<b>DIFFERENCE</b>		(29,497)			(29,497)	0.490	(8.814)	(31,172.06)
<b>DIFFERENCE %</b>		(11)			(11)	11.891	(191.179)	(0.28)
<b>CUMULATIVE ACTUAL</b>		3,065,228			3,065,228	4.483	4.483	137,425,176.04
<b>CUMULATIVE ESTIMATED</b>		3,176,823			3,176,823	4.430	4.430	140,729,301.34
<b>CUMULATIVE DIFFERENCE</b>		(111,595)			(111,595)	0.053	0.053	(3,304,125.30)
<b>CUMULATIVE DIFFERENCE %</b>		(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 \$
<b>ESTIMATED</b>		3,007	4.019	120,872.00	4.117	123,803.00	2,931.00
<b>ACTUAL:</b>							
<b>SubTotal - Energy Purchases (Broker)</b>							
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
<b>ADJUSTMENTS</b>							
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
<b>SubTotal - Energy Purchases (Non-Broker)</b>							
		21,895	3.960	866,974.15	5.505	1,205,327.16	338,353.01
<b>CURRENT MONTH TOTAL</b>							
		21,895	3.960	866,974.15	5.505	1,205,327.16	338,353.01
<b>DIFFERENCE</b>							
		18,888	(0.059)	746,102.15	1.388	1,081,524.16	335,422.01
<b>DIFFERENCE %</b>							
		628	(1.474)	617.27	33.716	873.58	11,443.94
<b>CUMULATIVE ACTUAL</b>							
		280,751	4.690	13,166,647.18	6.897	19,361,961.17	6,196,146.95
<b>CUMULATIVE ESTIMATED</b>							
		184,233	4.49	8,269,693.00	5.974	11,006,141.00	2,736,449.00
<b>DIFFERENCE</b>							
		96,518	0.201	4,896,954.18	0.922	8,355,820.17	3,459,697.95
<b>DIFFERENCE %</b>							
		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 (PINCOUNT)	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	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
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
<b>TOTAL</b>				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