



Matthew R. Bernier
ASSOCIATE GENERAL COUNSEL

August 21, 2019

VIA ELECTRONIC FILING

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

Re: Docket No. 20190001-EI

Dear Mr. Teitzman:

Attached for electronic filing in the above-referenced Docket on behalf of Duke Energy Florida, LLC, are Schedules A1 through A9 and A12 for the reporting month of July, 2019.

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

Sincerely,

/s/ Matthew R. Bernier

Matthew R. Bernier

MRB/cmK
Attachments

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true copy of the above-mentioned document has been furnished to the following individuals via e-mail on this 21st day of August, 2019.

/s/ Matthew R. Bernier

Attorney

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DUKE ENERGY FLORIDA
FUEL AND PURCHASED POWER

JULY 2019

	\$				MWH				CENTS/KWH			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
1 FUEL COST OF SYSTEM NET GENERATION (SCH A3)	116,352,775	117,430,448	(1,077,673)	(0.9)	4,072,973	4,154,073	(81,101)	(2.0)	2.8567	2.8269	0.0298	1.1
2 COAL CAR SALE	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
3 ADJUSTMENTS TO FUEL COST - MISCELLANEOUS	2,035,570	1,185,271	850,299	71.7	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	118,388,345	118,615,719	(227,374)	(0.2)	4,072,973	4,154,073	(81,101)	(2.0)	2.9067	2.8554	0.0513	1.8
5 ENERGY COST OF PURCHASED POWER - FIRM (SCH A7)	9,140,098	8,184,838	955,260	11.7	287,370	243,846	43,524	17.9	3.1806	3.3566	(0.1760)	(5.2)
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)	228,260	188,238	40,022	21.3	6,404	4,267	2,137	50.1	3.5645	4.4114	(0.8469)	(19.2)
8 PAYMENTS TO QUALIFYING FACILITIES (SCH A8)	8,368,247	10,332,497	(1,964,250)	(19.0)	221,208	257,982	(36,774)	(14.3)	3.7830	4.0051	(0.2221)	(5.6)
9 TOTAL COST OF PURCHASED POWER	17,736,605	18,705,573	(968,968)	(5.2)	514,981	506,095	8,887	1.8	3.4441	3.6961	(0.2520)	(6.8)
10 TOTAL AVAILABLE MWH					4,587,954	4,660,168	(72,214)	(1.6)				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(546,936)	(550,381)	3,445	(0.6)	(22,361)	(16,372)	(5,989)	36.6	2.4459	3.3617	(0.9158)	(27.2)
11a GAIN ON OTHER POWER SALES - 100% (SCH A6)	(154,895)	(145,665)	(9,230)	6.3	(22,361)	(16,372)	(5,989)	36.6	0.6927	0.8897	(0.1970)	(22.1)
11b GAIN ON TOTAL POWER SALES - 20% (SCH A6)	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
12 FUEL COST OF STRATIFIED SALES	(8,496,826)	(7,410,962)	(1,085,865)	14.7	(368,192)	(311,259)	(56,933)	18.3	2.3077	2.3810	(0.0733)	(3.1)
13 TOTAL FUEL COST AND GAINS ON POWER SALES	(9,198,657)	(8,107,008)	(1,091,650)	13.5	(390,553)	(327,631)	(62,922)	19.2	2.3553	2.4744	(0.1191)	(4.8)
14 NET INADVERTENT AND WHEELED INTERCHANGE					28,421	0	28,421					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	126,926,293	129,214,284	(2,287,991)	(1.8)	4,225,822	4,332,537	(106,715)	(2.5)	3.0036	2.9824	0.0212	0.7
16 NET UNBILLED	(71,666)	5,322,448	(5,394,114)	(101.4)	2,386	(178,461)	180,847	(101.3)	(0.0019)	0.1373	(0.1392)	(101.4)
17 COMPANY USE	361,633	546,634	(185,001)	(33.8)	(12,040)	(18,329)	6,289	(34.3)	0.0096	0.0141	(0.0045)	(31.9)
18 T & D LOSSES	13,060,774	7,726,842	5,333,932	69.0	(434,839)	(259,080)	(175,759)	67.8	0.3454	0.1993	0.1461	73.3
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	126,926,293	129,214,284	(2,287,991)	(1.8)	3,781,329	3,876,667	(95,338)	(2.5)	3.3567	3.3331	0.0236	0.7
20 WHOLESALE KWH SALES (EXCLUDING STRATIFIED SALES)	(901,177)	(1,214,614)	313,438	(25.8)	(26,823)	(36,625)	9,802	(26.8)	3.3597	3.3163	0.0434	1.3
21 JURISDICTIONAL KWH SALES	126,025,116	127,999,669	(1,974,553)	(1.5)	3,754,506	3,840,042	(85,536)	(2.2)	3.3566	3.3333	0.0233	0.7
22 JURISDICTIONAL KWH SALES ADJUSTED FOR LINE LOSS - 1.00034	126,067,964	128,043,189	(1,975,225)	(1.5)	3,754,506	3,840,042	(85,536)	(2.2)	3.3578	3.3344	0.0234	0.7
23 PRIOR PERIOD TRUE-UP	12,370,910	12,370,910	(0)	0.0	3,754,506	3,840,042	(85,536)	(2.2)	0.3295	0.3222	0.0073	2.3
24 TOTAL JURISDICTIONAL FUEL COST	138,438,874	140,414,099	(1,975,225)	(1.4)	3,754,506	3,840,042	(85,536)	(2.2)	3.6873	3.6566	0.0307	0.8
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									3.6900	3.6592	0.0308	0.8
27 GPIF	(191,794)	(191,794)			3,754,506	3,840,042			(0.0051)	(0.0050)	(0.0001)	2.0
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									3.685	3.654	0.031	0.8

*Line 11a. MWH Data for Informational Purposes Only

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

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

	\$				MWH				CENTS/KWH			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
1 FUEL COST OF SYSTEM NET GENERATION (SCH A3)	725,746,699	726,824,372	(1,077,673)	(0.2)	22,836,150	22,917,251	(81,101)	(0.4)	3.1781	3.1715	0.0066	0.2
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	9,345,015	8,494,716	850,299	10.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 TOTAL COST OF GENERATED POWER	735,091,714	735,319,088	(227,374)	(0.0)	22,836,150	22,917,251	(81,101)	(0.4)	3.2190	3.2086	0.0104	0.3
5 ENERGY COST OF PURCHASED POWER - FIRM (SCH A7)	53,047,797	52,092,537	955,260	1.8	1,265,698	1,222,174	43,524	3.6	4.1912	4.2623	(0.0711)	(1.7)
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)	2,260,818	2,220,795	40,022	1.8	59,079	56,942	2,137	3.8	3.8268	3.9001	(0.0733)	(1.9)
8 PAYMENTS TO QUALIFYING FACILITIES (SCH A8)	59,385,444	61,349,694	(1,964,250)	(3.2)	1,462,588	1,499,362	(36,774)	(2.5)	4.0603	4.0917	(0.0314)	(0.8)
9 TOTAL COST OF PURCHASED POWER	114,694,058	115,663,026	(968,968)	(0.8)	2,787,364	2,778,478	8,887	0.3	4.1148	4.1628	(0.0480)	(1.2)
10 TOTAL AVAILABLE MWH					25,623,515	25,695,729	(72,214)	(0.3)				
11 FUEL COST OF OTHER POWER SALES (SCH A6)	(3,099,560)	(3,103,005)	3,445	(0.1)	(98,371)	(92,382)	(5,989)	6.5	3.1509	3.3589	(0.2080)	(6.2)
11a GAIN ON OTHER POWER SALES - 100% (SCH A6)	(1,207,346)	(1,198,116)	(9,230)	0.8	(98,371)	(92,382)	(5,989)	6.5	1.2273	1.2969	(0.0696)	(5.4)
11b GAIN ON TOTAL POWER SALES - 20% (SCH A6)	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
12 FUEL COST OF STRATIFIED SALES	(28,486,854)	(27,400,989)	(1,085,865)	4.0	(1,401,878)	(1,344,945)	(56,933)	4.2	2.0320	2.0373	(0.0053)	(0.3)
13 TOTAL FUEL COST AND GAINS ON POWER SALES	(32,793,760)	(31,702,110)	(1,091,650)	3.4	(1,500,249)	(1,437,327)	(62,922)	4.4	2.1859	2.2056	(0.0197)	(0.9)
14 NET INADVERTENT AND WHEELED INTERCHANGE					136,066	107,645	28,421					
15 TOTAL FUEL AND NET POWER TRANSACTIONS	816,992,012	819,280,003	(2,287,991)	(0.3)	24,259,332	24,366,046	(106,715)	(0.4)	3.3677	3.3624	0.0053	0.2
16 NET UNBILLED	11,040,780	16,434,888	(5,394,108)	(32.8)	(330,001)	(510,847)	180,847	(35.4)	0.0503	0.0745	(0.0242)	(32.5)
17 COMPANY USE	3,446,884	3,631,885	(185,001)	(5.1)	(100,372)	(106,661)	6,289	(5.9)	0.0157	0.0165	(0.0008)	(4.9)
18 T & D LOSSES	62,934,681	57,600,746	5,333,935	9.3	(1,868,893)	(1,693,134)	(175,759)	10.4	0.2866	0.2612	0.0254	9.7
19 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	816,992,012	819,280,003	(2,287,991)	(0.3)	21,960,065	22,055,404	(95,338)	(0.4)	3.7204	3.7146	0.0058	0.2
20 WHOLESALE KWH SALES (EXCLUDING STRATIFIED SALES)	(5,142,971)	(5,456,409)	313,438	(5.7)	(138,686)	(148,489)	9,802	(6.6)	3.7083	3.6746	0.0337	0.9
21 JURISDICTIONAL KWH SALES	811,849,040	813,823,594	(1,974,554)	(0.2)	21,821,379	21,906,915	(85,536)	(0.4)	3.7204	3.7149	0.0055	0.2
22 JURISDICTIONAL KWH SALES ADJUSTED FOR LINE LOSS - 1.00034	812,121,406	814,096,631	(1,975,225)	(0.2)	21,821,379	21,906,915	(85,536)	(0.4)	3.7217	3.7162	0.0055	0.2
23 PRIOR PERIOD TRUE-UP	86,596,367	86,596,370	(3)	0.0	21,821,379	21,906,915	(85,536)	(0.4)	0.3968	0.3953	0.0015	0.4
24 TOTAL JURISDICTIONAL FUEL COST	898,717,773	900,693,001	(1,975,228)	(0.2)	21,821,379	21,906,915	(85,536)	(0.4)	4.1185	4.1115	0.0070	0.2
25 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
26 FUEL COST ADJUSTED FOR TAXES									4.1215	4.1145	0.0070	0.2
27 GPIF	(1,342,557)	(1,342,558)			21,821,379	21,906,915			(0.0062)	(0.0061)	(0.0001)	98.4
28 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									4.115	4.108	0.007	0.2

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

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

	CURRENT MONTH				YEAR TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT
A . FUEL COSTS AND NET POWER TRANSACTIONS								
1 . FUEL COST OF SYSTEM NET GENERATION	\$116,352,775	117,430,448	(\$1,077,673)	(0.9)	\$725,746,699	\$726,824,372	(\$1,077,673)	(0.2)
1a. COAL CAR SALE	0	0	0	0.0	0	0	0	0.0
2 . FUEL COST OF POWER SOLD	(546,936)	(550,381)	3,445	(0.6)	(3,099,560)	(3,103,005)	3,445	(0.1)
2a. GAIN ON POWER SALES	(154,895)	(145,665)	(9,230)	6.3	(1,207,346)	(1,198,116)	(9,230)	0.8
3 . FUEL COST OF PURCHASED POWER	9,140,098	8,184,838	955,260	11.7	53,047,797	52,092,537	955,260	1.8
3a. ENERGY PAYMENTS TO QUALIFYING FACILITIES	8,368,247	10,332,497	(1,964,250)	(19.0)	59,385,444	61,349,694	(1,964,250)	(3.2)
4 . ENERGY COST OF ECONOMY PURCHASES	228,260	188,238	40,022	21.3	2,260,818	2,220,795	40,022	1.8
5 . TOTAL FUEL & NET POWER TRANSACTIONS	133,387,549	135,439,975	(2,052,425)	(1.5)	836,133,851	838,186,276	(2,052,425)	(0.2)
6 . ADJUSTMENTS TO FUEL COST:								
6a. FUEL COST OF STRATIFIED SALES	(8,496,826)	(7,410,962)	(1,085,865)	14.7	(28,486,854)	(27,400,989)	(1,085,865)	4.0
6b. OTHER- JURISDICTIONAL ADJUSTMENTS (see detail below)	2,035,570	1,185,271	850,299	71.7	9,345,015	8,494,716	850,299	10.0
6c. OTHER - PRIOR PERIOD ADJUSTMENT	0	0	0	0.0	0	0	0	0.0
7 . ADJUSTED TOTAL FUEL & NET PWR TRNS	\$126,926,293	\$129,214,284	(\$2,287,991)	(1.8)	\$816,992,012	\$819,280,003	(\$2,287,991)	(0.3)

FOOTNOTE - DETAIL OF LINE 6b ABOVE

N/A - Not used	\$0	\$0	\$0	\$0	\$0	\$0	\$0
N/A - Not used	0	0	0	0	0	0	0
UNIVERSITY OF FLORIDA STEAM REVENUE ALLOCATION (Wholesale Portion)	710	0	710	4,350	0	4,350	
FPD AGREEMENT TERMINATION	0	0	0	0	0	0	
TANK BOTTOM ADJUSTMENT	0	0	0	0	0	0	
AERIAL SURVEY ADJUSTMENT (Coal Pile)	852,335	0	852,335	852,335	0	852,335	
FPD AGREEMENT TERMINATION	1,182,525	0	1,182,525	8,397,737	0	8,397,737	
RAIL CAR SALE PROCEEDS	0	0	0	0	0	0	
N/A - Not used	0	0	0	0	0	0	
NET METER SETTLEMENT	0	0	0	90,593	0	90,593	
N/A - Not used	0	0	0	0	0	0	
Derivative Collateral Interest	0	0	0	0	0	0	
SUBTOTAL LINE 6b SHOWN ABOVE	\$2,035,570	\$0	\$2,035,570	\$9,345,015	\$0	\$9,345,015	

B. KWH SALES

1 . JURISDICTIONAL SALES	3,754,505,886	3,840,042,311	(85,536,425)	(2.2)	21,821,378,675	21,906,915,100	(85,536,425)	(0.4)
2 . NON JURISDICTIONAL (WHOLESALE) SALES	26,823,016	36,625,174	(9,802,158)	(26.8)	138,686,480	148,488,638	(9,802,158)	(6.6)
3 . TOTAL SALES	3,781,328,902	3,876,667,485	(95,338,583)	(2.5)	21,960,065,155	22,055,403,738	(95,338,583)	(0.4)
4 . JURISDICTIONAL SALES % OF TOTAL SALES	99.29	99.06	0.23	0.2	99.37	99.33	0.04	0.0

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

	CURRENT MONTH				YEAR TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT
C. TRUE UP CALCULATION								
1. JURISDICTIONAL FUEL REVENUE	\$150,700,542	\$152,301,622	(\$1,601,080)	(1.1)	\$861,130,577	\$862,731,657	(\$1,601,080)	(0.2)
2. ADJUSTMENTS:	0	0	0	0.0	0	0	0	0.0
2a. TRUE UP PROVISION	(12,370,910)	(12,370,910)	0	0.0	(86,596,367)	(86,596,370)	3	0.0
2b. INCENTIVE PROVISION	191,794	191,794	(0)	0.0	1,342,557	1,342,558	(1)	0.0
3. TOTAL JURISDICTIONAL FUEL REVENUE	138,521,426	140,122,506	(1,601,080)	(1.1)	775,876,767	777,477,845	(1,601,078)	(0.2)
4. ADJ TOTAL FUEL & NET PWR TRNS (LINE A7)	126,926,293	129,214,284	(2,287,991)	(1.8)	816,992,012	819,280,003	(2,287,991)	(0.3)
5. JURISDICTIONAL SALES % OF TOT SALES (LINE B4)	99.29	99.06	0.23	0.2	99.37	99.33	0.04	0.0
6. JURISDICTIONAL FUEL & NET POWER TRANSACTIONS (LINE C4 * LINE C5 * 1.00034 LOSS MULTIPLIER)	126,067,964	128,043,189	(1,975,225)	(1.5)	812,121,406	814,096,631	(1,975,225)	(0.2)
7. TRUE UP PROVISION FOR THE MONTH OVER/(UNDER) COLLECTION (LINE C3 - C6)	12,453,462	12,079,317	374,145	3.1	(36,244,639)	(36,618,786)	374,147	(1.0)
8. INTEREST PROVISION FOR THE MONTH (LINE D10)	(307,991)	(328,337)	20,346	(6.2)	(2,754,485)	(2,774,830)	20,346	(0.7)
9. TRUE UP & INTEREST PROVISION BEG OF MONTH/PERIOD	(179,798,727)	(179,798,726)	(1)	0.0	(202,879,590)	(202,879,590)	0	0.0
10. TRUE UP COLLECTED (REFUNDED)	12,370,910	12,370,910	(0)	0.0	86,596,367	86,596,370	(3)	0.0
11. END OF PERIOD TOTAL NET TRUE UP (LINES C7 + C8 + C9 + C10)	(155,282,347)	(155,676,836)	394,489	(0.3)	(155,282,347)	(155,676,836)	394,489	(0.3)
12. OTHER:	0				0		0	
13. END OF PERIOD TOTAL NET TRUE UP (LINES C11 + C12)	(\$155,282,347)	(155,676,836)	394,489	(0.3)	(\$155,282,347)	(155,676,836)	394,489	(0.3)
D. INTEREST PROVISION								
1. BEGINNING TRUE UP (LINE C9)	(\$179,798,727)	N/A	--	--				
2. ENDING TRUE UP (LINES C7 + C9 + C10 + C12)	(154,974,356)	N/A	--	--				
3. TOTAL OF BEGINNING & ENDING TRUE UP	(334,773,083)	N/A	--	--				
4. AVERAGE TRUE UP (50% OF LINE D3)	(167,386,542)	N/A	--	--				
5. INTEREST RATE - FIRST DAY OF REPORTING MONTH	2.320	N/A	--	--				
6. INTEREST RATE - FIRST DAY OF SUBSEQUENT MONTH	2.100	N/A	--	--				
7. TOTAL (LINE D5 + LINE D6)	4.420	N/A	--	--				
8. AVERAGE INTEREST RATE (50% OF LINE D7)	2.210	N/A	--	--				
9. MONTHLY AVERAGE INTEREST RATE (LINE D8/12)	0.184	N/A	--	--				
10. INTEREST PROVISION (LINE D4 * LINE D9)	(\$307,991)	N/A	--	--				

NOT

A-3 Generating System Comparative Data Report

Final

Duke Energy Florida, LLC

Report Period : 7/1/2019 to 7/1/2019

8/13/2019 4:44:05 PM

Run Date:

<u>FUEL COST OF SYSTEM</u>	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
NET GENERATION (\$)				
1 - HEAVY O L	0	0	0	0.0 %
2 - LIGHT O L	819,156	178,715	640,441	358.4 %
3 - COAL	20,247,176	19,789,982	457,194	2.3 %
4 - GAS	95,286,444	97,461,751	(2,175,307)	(2.2 %)
5 - NUCLEAR	0	0	0	0.0 %
6	0	0	0	0.0 %
7	0	0	0	0.0 %
8 - TOTAL (\$)	116,352,775	117,430,448	(1,077,673)	(0.9 %)
SYSTEM NET GENERATION (MWH)				
9 - HEAVY O L	0	0	0	0.0 %
10 - LIGHT OIL	3,309	97	3,212	3311.3 %
11 - COAL	511,771	481,372	30,399	6.3 %
12 - GAS	3,535,921	3,651,204	(115,283)	(3.2 %)
13 - NUCLEAR	0	0	0	0.0 %
14 - SOLAR	21,971	21,401	570	2.7 %
15	0	0	0	0.0 %
16 - TOTAL (MWH)	4,072,972	4,154,074	(81,102)	(2.0 %)
UNITS OF FUEL BURNED				
17 - HEAVY O L (BBL)	0	0	0	0.0 %
18 - LIGHT OIL (BBL)	6,570	1,170	5,400	461.5 %
19 - COAL (TON)	241,904	223,375	18,529	8.3 %
20 - GAS (MCF)	26,598,313	26,867,149	(268,836)	(1.0 %)
21 - NUCLEAR (MMBTU)	0	0	0	0.0 %
22	0	0	0	0.0 %
23	0	0	0	0.0 %
BTUS BURNED (MILLION BTU)				
24 - HEAVY O L	0	0	0	0.0 %
25 - LIGHT OIL	37,762	6,822	30,940	453.5 %
26 - COAL	5,291,892	5,159,582	132,310	2.6 %
27 - GAS	27,233,388	26,867,149	366,239	1.4 %
28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (MILLION BTU)	32,563,041	32,033,553	529,488	1.7 %
GENERATION MIX (% MWH)				
32 - HEAVY O L	0.0	0.00	0.0	0.0 %
33 - LIGHT OIL	0.1	0.00	0.1	3379.3 %
34 - COAL	12.6	11.59	1.0	8.4 %
35 - GAS	86.8	87.89	(1.1)	(1.2 %)
36 - NUCLEAR	0.0	0.00	0.0	0.0 %
37 - SOLAR	0.54	0.52	0.02	4.7 %
38	0	0	0	0.0 %
39 - TOTAL (% MWH)	100.0	100.0	(0.0)	(0.0 %)

A-3 Generating System Comparative Data Report

Final

Duke Energy Florida, LLC

Report Period : 7/1/2019 to 7/1/2019

8/13/2019 4:44:05 PM

Run Date:

<u>FUEL COST OF SYSTEM</u>	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
FUEL COST PER UNIT (\$)				
40 - HEAVY O L (\$/BBL)	0.00	0.00	0.00	0 0 %
41 - LIGHT OIL (\$/BBL)	124.68	152.75	(28.07)	(18.4 %)
42 - COAL (\$/TON)	83.70	88.60	(4.90)	(5.5 %)
43 - GAS (\$/MCF)	3.58	3.63	(0.05)	(1.2 %)
44 - NUCLEAR (\$/MBTU)	0.00	0.00	0.00	0 0 %
45	0.00	0.00	0.00	0 0 %
46	0.00	0.00	0.00	0 0 %
FUEL COST PER MILLION BTU (\$/MILLION BTU)				
47 - HEAVY O L	0.00	0.00	0.00	0 0 %
48 - LIGHT OIL	21.69	26.20	(4.50)	(17.2 %)
49 - COAL	3.83	3.84	(0.01)	(0.2 %)
50 - GAS	3.50	3.63	(0.13)	(3.5 %)
51 - NUCLEAR	0.00	0.00	0.00	0 0 %
52	0.00	0.00	0.00	0 0 %
53	0.00	0.00	0.00	0 0 %
54 - SYSTEM (\$/MBTU)	3.57	3.67	(0.09)	(2.5 %)
BTU BURNED PER KWH (BTU/KWH)				
55 - HEAVY O L	0	0	0	0 0 %
56 - LIGHT OIL	11,412	70,330	(58,918)	(83.8 %)
57 - COAL	10,340	10,718	(378)	(3.5 %)
58 - GAS	7,702	7,358	343	4.7 %
59 - NUCLEAR	0	0	0	0 0 %
60	0	0	0	0 0 %
61	0	0	0	0 0 %
62 - SYSTEM (BTU/KWH)	7,995	7,711	284	3.7 %
GENERATED FUEL COST PER KWH (CENTS/KWH)				
63 - HEAVY O L	0.00	0.00	0.00	0 0 %
64 - LIGHT OIL	24.76	184.24	(159.49)	(86.6 %)
65 - COAL	3.96	4.11	(0.15)	(3.8 %)
66 - GAS	2.69	2.67	0.03	1 0 %
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)	2.86	2.83	0.03	1.1 %

A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Report Period : 1/1/2019 to 7/1/2019

8/13/2019 4:45:11 PM

Run Date:

<u>FUEL COST OF SYSTEM</u>	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
NET GENERATION (\$)				
1 - HEAVY OIL	0	0	0	0.0 %
2 - LIGHT OIL	6,337,117	5,696,677	640,440	11.2 %
3 - COAL	86,848,362	86,391,167	457,195	0.5 %
4 - GAS	632,561,220	634,736,527	(2,175,307)	(0.3 %)
5 - NUCLEAR	0	0	0	0.0 %
6	0	0	0	0.0 %
7	0	0	0	0.0 %
8 - TOTAL (\$)	725,746,699	726,824,371	(1,077,672)	(0.1 %)
SYSTEM NET GENERATION (MWH)				
9 - HEAVY OIL	0	0	0	0.0 %
10 - LIGHT OIL	21,958	18,746	3,212	17.1 %
11 - COAL	2,262,864	2,232,465	30,399	1.4 %
12 - GAS	20,423,014	20,538,296	(115,282)	(0.6 %)
13 - NUCLEAR	0	0	0	0.0 %
14 - SOLAR	128,314	127,744	570	0.4 %
15	0	0	0	0.0 %
16 - TOTAL (MWH)	22,836,150	22,917,251	(81,101)	(0.4 %)
UNITS OF FUEL BURNED				
17 - HEAVY O L (BBL)	0	0	0	0.0 %
18 - LIGHT OIL (BBL)	53,606	48,206	5,400	11.2 %
19 - COAL (TON)	1,057,436	1,038,907	18,529	1.8 %
20 - GAS (MCF)	151,003,755	151,272,591	(268,836)	(0.2 %)
21 - NUCLEAR (MMBTU)	0	0	0	0.0 %
22	0	0	0	0.0 %
23	0	0	0	0.0 %
BTUS BURNED (MILLION BTU)				
24 - HEAVY O L	0	0	0	0.0 %
25 - LIGHT OIL	308,315	277,375	30,940	11.2 %
26 - COAL	23,659,416	23,527,106	132,310	0.6 %
27 - GAS	154,126,296	153,760,058	366,238	0.2 %
28 - NUCLEAR	0	0	0	0.0 %
29	0	0	0	0.0 %
30	0	0	0	0.0 %
31 - TOTAL (MILLION BTU)	178,094,027	177,564,539	529,488	0.3 %
GENERATION MIX (% MWH)				
32 - HEAVY O L	0.0	0.00	0.0	0.0 %
33 - LIGHT OIL	0.1	0.08	0.0	17.6 %
34 - COAL	9.9	9.74	0.2	1.7 %
35 - GAS	89.4	89.62	(0.2)	(0.2 %)
36 - NUCLEAR	0.0	0.00	0.0	0.0 %
37 - SOLAR	0.56	0.56	0.00	0.8 %
38	0	0	0	0
39 - TOTAL (% MWH)	100.0	100.0	(0.0)	(0.0 %)

A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Report Period : 1/1/2019 to 7/1/2019

8/13/2019 4:45:11 PM

Run Date:

<u>FUEL COST OF SYSTEM</u>	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
FUEL COST PER UNIT (\$)				
40 - HEAVY O L (\$/BBL)	0.00	0.00	0.00	0.0 %
41 - LIGHT OIL (\$/BBL)	118.22	118.17	0.04	0.0 %
42 - COAL (\$/TON)	82.13	83.16	(1.02)	(1.2 %)
43 - GAS (\$/MCF)	4.19	4.20	(0.01)	(0.2 %)
44 - NUCLEAR (\$/MBTU)	0.00	0.00	0.00	0.0 %
45	0.00	0.00	0.00	0.0 %
46	0.00	0.00	0.00	0.0 %
FUEL COST PER MILLION BTU (\$/MILLION BTU)				
47 - HEAVY O L	0.00	0.00	0.00	0.0 %
48 - LIGHT OIL	20.55	20.54	0.02	0.1 %
49 - COAL	3.67	3.67	(0.00)	0.0 %
50 - GAS	4.10	4.13	(0.02)	(0.6 %)
51 - NUCLEAR	0.00	0.00	0.00	0.0 %
52	0.00	0.00	0.00	0.0 %
53	0.00	0.00	0.00	0.0 %
54 - SYSTEM (\$/MBTU)	4.08	4.09	(0.02)	(0.4 %)
BTU BURNED PER KWH (BTU/KWH)				
55 - HEAVY O L	0	0	0	0.0 %
56 - LIGHT OIL	14,041	14,796	(756)	(5.1 %)
57 - COAL	10,456	10,539	(83)	(0.8 %)
58 - GAS	7,547	7,487	60	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)	7,799	7,748	51	0.7 %
GENERATED FUEL COST PER KWH (CENTS/KWH)				
63 - HEAVY O L	0.00	0.00	0.00	0.0 %
64 - LIGHT OIL	28.86	30.39	(1.53)	(5.0 %)
65 - COAL	3.84	3.87	(0.03)	(0.8 %)
66 - GAS	3.10	3.09	0.01	0.2 %
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)	3.18	3.17	0.01	0.2 %

A-4 System Net Generation and Fuel Cost Report

Report Period : 7/1/2019 to 7/1/2019

Duke Energy Florida, LLC

Run Date: 8/13/2019 4:46:13 PM

A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT	NET CAP (MW)	NET GENERATION (MWH)	CAP FAC	EQUIV AVAIL FAC(%)	NET OUTPUT FAC(%)	AVE NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURN (UNITS)	FUEL HEAT VALUE (MMBTU/UNIT)	FUEL BURNED (MMBTU)	AS BURNED FUEL COST (\$)	FUEL COST PER KWH (CENTS/KWH)	FUEL COST PER UNIT (\$)
Solar													
Hamilton Solar Facility													
TOTAL HSF 1	75	18,872.00	34			0				0	0	0.000	
Osceola Solar Facility 1													
TOTAL UNIT 1	4	532.00	18			0				0	0	0.000	
Perry Solar Facility 1													
TOTAL UNIT 1	5	792.00	21			0				0	0	0.000	
Suwanee Solar Facility													
TOTAL UNIT 1	9	1,775.00	27			0				0	0	0.000	
TOTAL Solar	93	21,971.00				0				0	0	0.000	
Steam													
Anclote													
		118,257.00					Gas	1,329,265	1.026	1,363,826	4,956,827	4.192	3.729
TOTAL UNIT 1	511	118,257.00	31			11,533				1,363,826	4,956,827	4.192	
		111,933.00					Gas	1,256,059	1.026	1,288,717	4,683,842	4.185	3.729
TOTAL UNIT 2	514	111,933.00	29			11,513				1,288,717	4,683,842	4.185	
Crystal River 1 & 2													
TOTAL UNIT 1		0.00				0				0	0	0.000	
TOTAL UNIT 2		0.00				0				0	0	0.000	
Crystal River 4 & 5													
		288,033.00					Coal	137,584	21.876	3,009,788	11,515,673	3.998	83.699
		0.00					No 2	1,799	5.733	10,314	239,464	0.000	133.109
TOTAL UNIT 4	721	288,033.00	54			10,485				3,020,101	11,755,137	4.081	
		226,349.00					Coal	104,320	21.876	2,282,104	8,731,503	3.858	83.699
		0.00					No 2	2,882	5.733	16,522	383,621	0.000	133.109
TOTAL UNIT 5	721	226,349.00	42			10,155				2,298,627	9,115,124	4.027	
TOTAL Steam	2,467	744,572.00				10,706				7,971,270	30,510,930	4.000	
Gas Turbine													
Avon Park Peaker													
		0.00					Gas	0	0.000	0	(53)	0.000	0.000
TOTAL APP	0	0.00	0			0				0	(53)	0.000	0.000
Bartow Combined Cycle													
		650,624.00					Gas	4,970,733	1.022	5,080,089	16,436,450	2.526	3.307
TOTAL BCC	1,207	650,624.00	72			7,808				5,080,089	16,436,450	2.526	
Bartow Peaker													
		145.78					No 2	461	5.712	2,633	47,966	32.903	104.047
		1,619.22					Gas	28,591	1.023	29,249	105,956	6.544	3.706
TOTAL BAP	223	1,765.00	1			18,063				31,882	153,922	8.721	

A-4 System Net Generation and Fuel Cost Report

Report Period : 7/1/2019 to 7/1/2019

Duke Energy Florida, LLC

Run Date: 8/13/2019 4:46:13 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 (\$)
Bayboro Peaker													
TOTAL BYP	59	22.70 23.00	0			25,666	No 2	102	5.712	583	14,225	62.664	139.457
Citrus County													
TOTAL CCCC	1,862	1,002,701.00 1,002,701.00	72			6,901	Gas	6,750,455	1.025	6,919,216	28,247,668	2.817	4.185
Debary Peaker													
TOTAL DEP	487	93.10 13,398.90 13,492.00	4			13,814	No 2 Gas	223 180,054	5.767 1.028	1,286 185,096 186,382	25,626 672,344 697,970	27.526 5.018 5.173	114.916 3.734
Higgins Peaker													
TOTAL HGP	99	1,036.60 1,037.00	1			19,079	Gas	19,276	1.026	19,777	71,890	6.935	3.730
Hines Energy													
TOTAL HEP	2,188	1,153,570.00 1,153,570.00	71			7,340	Gas	8,268,735	1.024	8,467,185	27,541,617	2.388	3.331
Intercession City Peaker													
TOTAL ICP	918	441.75 32,328.16 32,770.00	5			13,317	No 2 Gas	1,014 420,016	5.802 1.025	5,883 430,516 436,399	100,139 1,394,337 1,494,475	22.668 4.313 4.561	98.756 3.320
Osprey													
TOTAL OSP	600	269,796.00 269,796.00	60			7,386	Gas	1,949,854	1.022	1,992,751	6,447,725	2.390	3.307
Suwannee Peaker													
TOTAL SRP	203	54.81 7,128.49 7,183.00	5			9,870	No 2 Gas	93 68,574	5.817 1.026	541 70,357 70,898	8,115 255,477 263,592	14.805 3.584 3.670	87.259 3.726
Tiger Bay Cogen													
TOTAL TBP	231	142,109.00 142,109.00	83			7,601	Gas	1,056,876	1.022	1,080,127	3,494,941	2.459	3.307
Univ of Florida Cogen													
TOTAL UFP	46	0.00 31,360.20 31,360.00	92			9,773	No 2 Gas	0 298,825	0.000 1.026	0 306,482 306,482	0 977,422 977,422	0.000 3.117 3.117	0.000 3.271
TOTAL Gas Turbine	8,123	3,306,430.00				7,438				24,591,771	85,841,846	2.596	
SYSTEM	10,683	4,072,972.71				7,995				32,563,041	116,352,775	2.857	

A-4 System Net Generation and Fuel Cost Report

Report Period : 1/1/2019 to 7/1/2019

Duke Energy Florida, LLC

Run Date: 8/13/2019 4:48:08 PM

A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT	NET CAP (MW)	NET GENERATION (MWH)	CAP FAC	EQUIV AVAIL FAC(%)	NET OUTPUT FAC(%)	AVE NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURN (UNITS)	FUEL HEAT VALUE (MMBTU/UNIT)	FUEL BURNED (MMBTU)	AS BURNED FUEL COST (\$)	FUEL COST PER KWH (CENTS/KWH)	FUEL COST PER UNIT (\$)
Solar													
Hamilton Solar Facility													
TOTAL HSF 1	75	108,123.00	28			0				0	0	0.000	
Osceola Solar Facility 1													
TOTAL UNIT 1	4	3,972.00	20			0				0	0	0.000	
Perry Solar Facility 1													
TOTAL UNIT 1	5	5,016.00	20			0				0	0	0.000	
Suwanee Solar Facility													
TOTAL UNIT 1	9	11,203.00	24			0				0	0	0.000	
TOTAL Solar	93	128,314.00				0				0	0	0.000	
Steam													
Anclote													
		365,310.00					Gas	4,078,048	1.025	4,178,776	16,415,005	4.493	4.025
TOTAL UNIT 1	511	365,310.00	14			11,439				4,178,776	16,415,005	4.493	
		772,557.00					Gas	8,543,526	1.024	8,745,379	37,525,567	4.857	4.392
TOTAL UNIT 2	514	772,557.00	30			11,320				8,745,379	37,525,567	4.857	
Crystal River 1 & 2													
TOTAL UNIT 1		0.00				0				0	0	0.000	
TOTAL UNIT 2		0.00				0				0	0	0.000	
Crystal River 4 & 5													
		1,714,340.00					Coal	791,859	22.408	17,744,249	65,263,246	3.807	82.418
		0.00					No 2	11,858	5.722	67,855	1,510,387	0.000	127.373
TOTAL UNIT 4	721	1,714,340.00	47			10,390				17,812,104	66,773,633	3.895	
		559,867.56					Coal	265,577	22.273	5,915,167	21,585,116	3.855	81.276
		0.00					No 2	11,681	5.739	67,036	1,524,466	0.000	130.508
TOTAL UNIT 5	721	559,867.56	15			10,685				5,982,203	23,109,582	4.128	
TOTAL Steam	2,467	3,412,075.00				10,761				36,718,461	143,823,787	4.000	
Gas Turbine													
Avon Park Peaker													
		142.61					No 2	423	5.816	2,460	44,094	30.920	104.241
		964.19					Gas	16,280	1.022	16,635	83,200	8.634	5.114
TOTAL APP	50	1,107.00	0			17,252				19,095	127,294	11.506	
Bartow Combined Cycle													
		3,749,834.00					Gas	28,311,610	1.019	28,841,570	108,037,715	2.881	3.816
TOTAL BCC	1,207	3,749,834.00	61			7,691				28,841,570	108,037,715	2.881	
Bartow Peaker													
		1,378.88					No 2	4,153	5.712	23,722	432,107	31.338	104.047
		10,559.12					Gas	177,665	1.022	181,657	760,750	7.205	4.282
TOTAL BAP	223	11,938.00	1			17,204				205,379	1,192,857	9.992	
Bayboro Peaker													

A-4 System Net Generation and Fuel Cost Report

Report Period : 1/1/2019 to 7/1/2019

Duke Energy Florida, LLC

Run Date: 8/13/2019 4:48:08 PM

A) PLANT	(B) NET CAP (MW)	(C) NET GENERATION (MWH)	(D) CAP FAC	(E) EQUIV AVAIL FAC(%)	(F) NET OUTPUT FAC(%)	(G) AVE NET HEAT RATE (BTU/KWH)	(H) FUEL TYPE	(I) FUEL BURN (UNITS)	(J) FUEL HEAT VALUE (MMBTU/UNIT)	(K) FUEL BURNED (MMBTU)	(L) AS BURNED FUEL COST (\$)	(M) FUEL COST PER KWH (CENTS/KWH)	(N) FUEL COST PER UNIT (\$)
TOTAL BYP	238	2,101.50 2,102.00	0			13,748	No 2	5,058	5.712	28,891 28,891	706,802 706,802	33.633	139.739
Citrus County													
TOTAL CCCC	1,862	6,246,777.00 6,246,777.00	66			6,839	Gas	41,815,932	1.022	42,722,583 42,722,583	210,781,878 210,781,878	3.374	5.041
Debary Peaker													
TOTAL DEP	617	2,856.84 63,015.16 65,872.00	2			13,773	No 2 Gas	6,818 846,396	5.771 1.025	39,346 867,882 907,228	779,841 3,562,750 4,342,591	27.297 5.654 6.592	114.380 4.209
Higgins Peaker													
TOTAL HGP	119	6,742.60 6,743.00	1			16,041	Gas	105,658	1.024	108,158 108,158	433,657 433,657	6.432	4.104
Hines Energy													
TOTAL HEP	2,188	7,283,785.00 7,283,785.00	65			7,177	Gas	51,258,661	1.020	52,275,114 52,275,114	196,682,388 196,682,388	2.700	3.837
Intercession City Peaker													
TOTAL ICP	1,107	4,114.06 178,285.08 182,399.00	3			13,239	No 2 Gas	9,388 2,310,601	5.802 1.022	54,467 2,360,365 2,414,832	927,059 8,560,581 9,487,640	22.534 4.802 5.202	98.749 3.705
Osprey													
TOTAL OSP	600	1,083,289.00 1,083,289.00	35			7,340	Gas	7,788,678	1.021	7,951,122 7,951,122	28,213,424 28,213,424	2.604	3.622
Suwannee Peaker													
TOTAL SRP	203	1,480.13 34,582.77 36,063.00	3			13,457	No 2 Gas	3,424 454,835	5.817 1.023	19,917 465,365 485,282	314,459 1,965,612 2,280,072	21.245 5.684 6.322	91.840 4.322
Tiger Bay Cogen													
TOTAL TBP	231	439,265.00 439,265.00	37			7,844	Gas	3,374,173	1.021	3,445,417 3,445,417	11,979,170 11,979,170	2.727	3.550
Univ of Florida Cogen													
TOTAL UFP	46	437.38 186,151.22 186,589.00	80			10,563	No 2 Gas	797 1,920,692	5.797 1.024	4,620 1,966,275 1,970,895	97,902 7,559,523 7,657,425	22.383 4.061 4.104	122.838 3.936
TOTAL Gas Turbine	8,691	19,295,762.00				7,327				141,375,565	581,922,912	3.016	
SYSTEM	11,251	22,836,150.10				7,799				178,094,027	725,746,699	3.178	

A-5 System Generation Fuel Cost Report

Final

Report Period : 7/1/2019 to 7/1/2019

Duke Energy Florida, LLC

Run Date: 8/14/2019 6:20:54 PM

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
HEAVY OIL				
1 - PURCHASES				
2 - UNITS (BBL)	0	0	0	0.0%
3 - UNIT COST (\$/BBL)	0.00	0.00	0.00	0.0%
4 - AMOUNT (\$)	0	0	0	0.0%
5 - BURNED				
6 - UNITS (BBL)	0	0	0	0.0%
7 - UNIT COST (\$/BBL)	0.00	0.00	0.00	0.0%
8 - AMOUNT (\$)	0	0	0	0.0%
9 - ADJUSTMENTS				
10 - UNITS (BBL)	0		0	0.0%
11 - AMOUNT (\$)	0		0	0.0%
12 - ENDING INVENTORY				
13 - UNITS (BBL)	0	0	0	0.0%
14 - UNIT COST (\$/BBL)	0.00	0.00	0.00	0.0%
15 - AMOUNT (\$)	0	0	0	0.0%
16 -				
17 - DAYS SUPPLY	0	0	0	0.0%
LIGHT OIL				
18 - PURCHASES				
19 - UNITS (BBL)	3,891	1,170	2,721	232.6%
20 - UNIT COST (\$/BBL)	136.58	152.75	(16.17)	(10.6%)
21 - AMOUNT (\$)	531,417	178,715	352,702	197.4%
22 - BURNED				
23 - UNITS (BBL)	6,570	1,170	5,400	461.5%
24 - UNIT COST (\$/BBL)	124.68	152.75	(28.07)	(18.4%)
25 - AMOUNT (\$)	819,156	178,715	640,441	358.4%
26 - ADJUSTMENTS				
27 - UNITS (BBL)	0			
28 - AMOUNT (\$)	0			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	656,747	659,427	(2,680)	(0.4%)
31 - UNIT COST (\$/BBL)	108.99	108.99	0.01	0.0%
32 - AMOUNT (\$)	71,580,222	71,867,960	(287,738)	(0.4%)
33 -				
34 - DAYS SUPPLY	3,099	16,908	(13,810)	(81.7%)

A-5 System Generation Fuel Cost Report

Duke Energy Florida, LLC

Final
Report Period : 7/1/2019 to 7/1/2019

Run Date: 8/14/2019 6:20:54 PM

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	211,643	223,375	(11,732)	(5.3%)
37 - UNIT COST (\$/TON)	79.56	88.60	(9.03)	(10.2%)
38 - AMOUNT (\$)	16,839,057	19,789,982	(2,950,925)	(14.9%)
39 - BURNED				
40 - UNITS (TON)	241,904	223,375	18,529	8.3%
41 - UNIT COST (\$/TON)	83.70	88.60	(4.90)	(5.5%)
42 - AMOUNT (\$)	20,247,176	19,789,982	457,194	2.3%
43 - ADJUSTMENTS				
44 - UNITS (TON)	(13,025)			
45 - AMOUNT (\$)	(852,335)			
46 - ENDING INVENTORY				
47 - UNITS (TON)	374,109	417,395	(43,286)	(10.4%)
48 - UNIT COST (\$/TON)	84.94	86.34	(1.40)	(1.6%)
49 - AMOUNT (\$)	31,777,427	36,037,880	(4,260,453)	(11.8%)
50 -				
51 - DAYS SUPPLY	48	56	(8)	(14.5%)
GAS				
52 - BURNED				
53 - UNITS (MCF)	26,598,313	26,867,149	(268,836)	(1.0%)
54 - UNIT COST (\$/MCF)	3.58	3.63	(0.05)	(1.2%)
55 - AMOUNT (\$)	95,286,444	97,461,751	(2,175,307)	(2.2%)
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 : 1/1/2019 to 7/1/2019

Duke Energy Florida, LLC

Run Date: 8/14/2019 6:22:16 PM

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
HEAVY OIL				
1 - PURCHASES				
2 - UNITS (BBL)	0	0	0	0.0%
3 - UNIT COST (\$/BBL)	0.00	0.00	0.00	0.0%
4 - AMOUNT (\$)	0	0	0	0.0%
5 - BURNED				
6 - UNITS (BBL)	0	0	0	0.0%
7 - UNIT COST (\$/BBL)	0.00	0.00	0.00	0.0%
8 - AMOUNT (\$)	0	0	0	0.0%
9 - ADJUSTMENTS				
10 - UNITS (BBL)	0		0	0.0%
11 - AMOUNT (\$)	0		0	0.0%
12 - ENDING INVENTORY				
13 - UNITS (BBL)	0	0	0	0.0%
14 - UNIT COST (\$/BBL)	0.00	0.00	0.00	0.0%
15 - AMOUNT (\$)	0	0	0	0.0%
16 -				
17 - DAYS SUPPLY	0	0	0	0.0%
LIGHT OIL				
18 - PURCHASES				
19 - UNITS (BBL)	23,435	20,714	2,721	13.1%
20 - UNIT COST (\$/BBL)	133.38	133.88	(0.49)	(0.4%)
21 - AMOUNT (\$)	3,125,850	2,773,146	352,704	12.7%
22 - BURNED				
23 - UNITS (BBL)	53,606	48,206	5,400	11.2%
24 - UNIT COST (\$/BBL)	118.22	118.17	0.04	0.0%
25 - AMOUNT (\$)	6,337,117	5,696,676	640,441	11.2%
26 - ADJUSTMENTS				
27 - UNITS (BBL)	0			
28 - AMOUNT (\$)	0			
29 - ENDING INVENTORY				
30 - UNITS (BBL)	656,747	659,427	(2,680)	(0.4%)
31 - UNIT COST (\$/BBL)	108.99	108.99	0.01	0.0%
32 - AMOUNT (\$)	71,580,222	71,867,960	(287,738)	(0.4%)
33 -				
34 - DAYS SUPPLY	0	0	0	0.0%

A-5 System Generation Fuel Cost Report

Duke Energy Florida, LLC

Report Period : 1/1/2019 to 7/1/2019

Run Date: 8/14/2019 6:22:16 PM

	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
COAL				
35 - PURCHASES				
36 - UNITS (TON)	818,635	830,367	(11,732)	(1.4%)
37 - UNIT COST (\$/TON)	90.17	92.45	(2.28)	(2.5%)
38 - AMOUNT (\$)	73,816,959	76,767,884	(2,950,925)	(3.8%)
39 - BURNED				
40 - UNITS (TON)	1,057,436	1,038,907	18,529	1.8%
41 - UNIT COST (\$/TON)	82.13	83.16	(1.02)	(1.2%)
42 - AMOUNT (\$)	86,848,362	86,391,167	457,195	0.5%
43 - ADJUSTMENTS				
44 - UNITS (TON)	(13,025)			
45 - AMOUNT (\$)	(852,335)			
46 - ENDING INVENTORY				
47 - UNITS (TON)	374,109	417,395	(43,286)	(10.4%)
48 - UNIT COST (\$/TON)	84.94	86.34	(1.40)	(1.6%)
49 - AMOUNT (\$)	31,777,427	36,037,880	(4,260,453)	(11.8%)
50 -				
51 - DAYS SUPPLY	0	0	0	0.0%
GAS				
52 - BURNED				
53 - UNITS (MCF)	151,003,755	151,272,591	(268,836)	(0.2%)
54 - UNIT COST (\$/MCF)	4.19	4.20	(0.01)	(0.2%)
55 - AMOUNT (\$)	632,561,220	634,736,527	(2,175,307)	(0.3%)
NUCLEAR				
56 - BURNED				
57 - UNITS (MMBTU)	0	0	0	0.0%
58 - UNIT COST (\$/MMBTU)	0.00	0.00	0.00	0.0%
59 - AMOUNT (\$)	0	0	0	0.0%

**ATTACHMENT #1
SCHEDULE A-5
July 2019**

HEAVY OIL		
UNITS	AMOUNT	
0	0	TOTAL

LIGHT OIL		
UNITS	AMOUNT	
-	-	TOTAL

COAL		
UNITS	AMOUNT	
(13,025)	\$ (852,334.65)	Aerial Survey
(13,025)	\$ (852,334.65)	TOTAL

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

(1)	(2)	(3)	(4)	(5)	(6a)	(6b)	(7)	(8)	(9)
Sold To	Type & Schedule	Total KWH Sold (000)	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		16,372		16,372	3,362	4,251	550,381.00	696,046	145,665.00
ACTUAL									
Exelon Generation Company, LLC	InternationalSwapsDe	572	-	572	2,696	2,963	15,418.94	16,950.78	1,531.84
Florida Power & Light Company		4,800	-	4,800	3,942	4,974	189,230.14	238,772.18	49,542.04
Morgan Stanley Capital Group Inc.	EEL	52	-	52	1,475	2,523	766.91	1,311.90	544.99
Orlando Utilities Commission	Schedule OS	1,300	-	1,300	3,969	5,637	51,601.00	73,277.00	21,676.00
Reedy Creek Improvement District	CR-1	12,990	-	12,990	1,477	2,009	191,908.65	260,974.75	69,066.10
Tampa Electric Company	CR-1	1,395	-	1,395	3,189	4,512	44,486.55	62,942.40	18,455.85
Tampa Electric Company	Schedule J	900	-	900	4,843	5,226	43,585.99	47,037.04	3,451.05
Tennessee Valley Authority	MR1	250	-	250	2,28	2,677	5,699.76	6,691.90	992.14
The Energy Authority	Schedule OS	102	0	102	4,155	3,453	4,238.00	3,521.68	(716.32)
Adjustments									
Tampa Electric Company								(9,600.00)	(9,600.00)
PJM Settlements								(48.66)	(48.66)
Subtotal - Gain on Other Power Sales		22,361	-	22,361	2,446	3,139	546,935.94	701,830.97	154,895.03
CURRENT MONTH TOTAL		22,361		22,361	2,446	3,139	546,935.94	701,830.97	154,895.03
DIFFERENCE		5,989		5,989	(0,916)	(1,112)	(3,445.06)	5,784.97	9,230.03
DIFFERENCE %		36.58		36.58	(27.25)	(26.17)	(0.63)	0.83	6.34
CUMULATIVE ACTUAL		98,371		98,371	3,151	4,378	3,099,559.96	4,306,906.08	1,207,346.24
CUMULATIVE ESTIMATED		92,382		92,382	3,359	4,656	3,103,005.00	4,301,121.00	1,198,116.00
DIFFERENCE		5,990		5,990	-0,208	(0,278)	(3,445.04)	5,785.08	9,230.24
DIFFERENCE %		6.48		6.48	(6.19)	(5.96)	(0.11)	0.13	0.77

DUKE ENERGY FLORIDA, LLC.
SCHEDULE A7

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

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
PURCHASED FROM	TYPE & SCHEDULE	TOTAL KWH PURCHASED (000)	KWH FOR UTILITIES (000)	KWH FOR INTERRUPTIBLE (000)	KWH FOR FIRM (000)	FUEL COST C/KWH	TOTAL COST C/KWH	TOTAL AMOUNT FOR FUEL ADJ \$	FUEL COST \$
ESTIMATED		243,846			243,846	3.357	3.357	8,184,838	8,184,838
ACTUAL									
Shady Hills Power Company, L.L.C.	TOLL	32,970			32,970	5.234	5.234	1,725,535.00	1,725,535.00
Southern Power Company	Franklin	177,233			177,233	2.516	2.516	4,459,655.06	4,459,655.06
Vandolah Power Company L.L.C.	TOLL	72,777			72,777	4.993	4.993	3,633,432.88	3,633,432.88
ADJUSTMENTS									
Vandolah Power Company L.L.C.	TOLL	3,174			3,174	2.843	2.840	90,239.27	90,239.27
Shady Hills Power Company, L.L.C.	TOLL	1,216			1,216	2.733	2.730	33,230.26	33,230.26
Southern Power Company	Franklin	-			-	-	-	(801,994.60)	(801,994.60)
CURRENT MONTH TOTAL		287,370			287,370	3.181	3.181	9,140,097.87	9,140,097.87
DIFFERENCE		43,524			43,524	(0.176)	(0.176)	955,259.87	955,259.87
DIFFERENCE %		18			18	(5.255)	(5.255)	11.67	11.67
CUMULATIVE ACTUAL		1,265,698			1,265,698	4.191	4.191	53,047,796.53	53,047,796.53
CUMULATIVE ESTIMATED		1,222,174			1,222,174	4.262	4.262	52,092,537.00	52,092,537.00
DIFFERENCE		43,524			43,524	(0.071)	(0.071)	955,259.53	955,259.53
DIFFERENCE %		4			4	(1.668)	(1.668)	1.83	1.83

DUKE ENERGY FLORIDA, LLC
SCHEDULE A8

ENERGY PAYMENT TO QUALIFYING FACILITIES
FOR THE MONTH OF
JULY, 2019

(1) PURCHASED FROM	(2) TYPE & SCHEDULE	(3) TOTAL PURCHASED KWH (000)	(4) KWH FOR OTHER UTILITIES (000)	(5) KWH FOR INTERRUPTIBL (000)	(6) KWH FOR FIRM (000)	(7) ENERGY COST C/KWH	(8) TOTAL COST C/KWH	(9) TOTAL AMOUNT FOR FUEL ADJ \$
EST MATED		257,982	-	-	257,982	4.005	13.989	10,332,496.70
ACTUAL								
Citrus World (CITRUS)	CO-GEN	28			28	2.191	2.191	619.87
ADJ		15			15			295.57
Florida Power Development (FCRUSHAS)	CO-GEN	-			-	-	0.000	-
ADJ		-			-			-
Florida Power Development (FLACRUSH)	CO-GEN	-			-	-	0.000	-
ADJ		-			-			-
Lake County (LAKCOUNT)	CO-GEN	59			59	2.274	2.274	1,341.89
ADJ		-			-			(553.90)
Lee County (LEECOGAS)	CO-GEN	-			-	-	0.000	-
ADJ		-			-			-
Metro-Dade County (METRDADE)	CO-GEN	-			-	-	0.000	-
ADJ		-			-			-
Metro-Dade County (METRDDAS)	CO-GEN	-			-	-	0.000	-
ADJ		-			-			-
Orange Cogen (ORANGEAS)	CO-GEN	758			758	2.090	2.090	15,843.30
ADJ		-			-			(1,258.26)
Orange Cogen (ORANGECO)	CO-GEN	36,189			36,189	4.174	19.551	1,510,528.86
ADJ		-			-			(36,209.10)
Orlando Cogen Limited (ORLACOGL)	CO-GEN	89,280			89,280	5.503	11.784	4,913,078.40
ADJ		(213)			(213)			(28,701.26)
Orlando Cogen Limited (ORLCOGAS)	CO-GEN	-			-	-	0.000	-
ADJ		-			-			-
Pasco County Resource Recovery (PASCOUNT)	CO-GEN	17,190			17,190	2.197	13.630	377,602.17
ADJ		-			-			(53,689.33)
PCS Phosphate (OCSWFCCRK)	CO-GEN	71			71	2.240	2.240	1,594.48
ADJ		24			24			338.73
Pinellas County Resource Recovery (P NCOUNT)	CO-GEN	39,839			39,839	2.197	13.899	875,210.04
ADJ		-			-			(144,490.17)
Polk Power Partners, L.P. (MULBERRY)	CO-GEN	37,967			37,967	2.800	22.732	1,063,076.00
ADJ		-			-			(126,380.48)
Wheelabrator Ridge Energy, Inc. (R DGEGEN)	CO-GEN	-			-	-	0.000	-
ADJ		-			-			-
CURRENT MONTH TOTAL		221,208			221,208	3.783	15.427	8,368,246.80
DIFFERENCE		(36,774)			(36,774)	(0.222)	1.438	(1,964,249.90)
DIFFERENCE %		(14)			(14)	(5.546)	10.277	(19.01)

DUKE ENERGY FLORIDA, LLC.
SCHEDULE A9

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

(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		4,267	4.411	188,238	5.096	217,445	29,207
ACTUAL							
SubTotal - Energy Purchases (Broker)		-		-		-	-
SEPA	Hydro	4,033	3.409	137,477.30	3.409	137,477.30	
Duke Electric Transmission	Transmission Purchase			-			-
Rainbow Energy Marketing Corporation		471	3.800	17,898.00	4.621	21,765.52	3,867.52
Southern Company Services, Inc.	EEl	300	5.500	16,500.00	20.852	62,556.00	46,056.00
Tampa Electric Company	EEl2	1,600	3.500	56,000.00	3.433	54,928.00	(1,072.00)
ADJUSTMENTS							
Tampa Electric Company							
PJM Settlements				385.06			(385.06)
SubTotal - Energy Purchases (Non-Broker)		6,404	3.564	228,260.36	4.321	276,726.82	48,466.46
CURRENT MONTH TOTAL		6,404	3.564	228,260.36	4.321	276,726.82	48,466.46
DIFFERENCE		2,137	(0.847)	40,022.36	(0.775)	59,281.82	19,259.46
DIFFERENCE %		50	(19.191)	21.26	(15.202)	27.26	65.94
CUMULATIVE ACTUAL		59,079	3.827	2,260,819.02	3.873	2,288,127.87	27,491.10
CUMULATIVE ESTIMATED		56,942	3.900	2,220,795.00	3.914	2,228,846.00	8,051.00
DIFFERENCE		2,137	(0.073)	40,024.02	(0.041)	59,281.87	19,440.10
DIFFERENCE %		4	(1.880)	1.80	(1.053)	2.66	241.46

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

Counterparty	Type	MW	Start Date - End Date	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
1 Orange Cogen (ORANGECO)	QF	74.00	7/1/95 - 12/31/24	5,600,934	5,600,934	5,600,934	5,600,934	5,600,934	5,600,934	5,600,934						39,206,536.46
2 Orlando Cogen Limited (ORLACOGL)	QF	79.20	9/1/93 - 12/31/23	5,636,162	5,636,162	5,636,162	5,636,162	5,636,162	5,636,162	5,636,162						39,453,133.44
3 Pasco County Resource Recovery (PASCOUNT)	QF	23.00	1/1/95 - 12/31/24	2,019,170	2,019,170	2,019,170	2,019,170	2,019,170	2,019,170	2,019,170						14,134,190.00
4 Pinellas County Resource Recovery (P NCOUNT)	QF	54.75	1/1/95 - 12/31/24	4,806,503	4,806,503	4,806,503	4,806,503	4,806,503	4,806,503	4,806,503						33,645,517.50
5 Polk Power Partners, L P. (MULBERRY)	QF	115.00	8/1/94 - 8/8/24	7,693,916	7,693,916	7,693,916	7,693,916	7,693,916	7,693,916	7,693,916						53,857,409.62
6 Wheelabrator Ridge Energy, Inc. (R DGEGEN)	QF	39.60	8/1/94 - 1/31/19	800,946	0	0	0	0	0	0						800,945.81
7 Southern purchase - Franklin	Other	425	6/1/16 - 5/31/21	4,611,942	4,802,362	2,752,978	2,755,639	2,814,130	5,254,911	6,502,231						29,494,193.15
8 Retail Wheeling				(45,534)	(8,443)	(35,373)	(39,200)	(57,327)	(29,146)	(30,224)						(245,247.36)
9 CR-3 Projected Expense				3,775,626	3,753,198	3,730,770	3,708,343	3,685,916	3,663,488	3,641,061						25,958,402.04
10 ISFSI Return				573,320	573,320	573,320	573,320	573,320	573,320	573,320						4,013,238.22
11 Vandolah Capacity Purchase			June 2012 - May 2027	2,919,279	2,891,051	1,947,614	1,942,582	2,793,653	5,773,604	5,928,134						24,195,918.38
12 Schedule H Capacity Sales - Tallahassee	1	-1	on-going no term date	(48,411)	0	(64,548)	0	0	(114,031)	6,705						(220,285.14)
13 Shady Hills Tolling	1	517	4/1/07-4/30/24	1,976,940	1,976,940	1,412,100	1,366,200	1,912,680	3,888,000	3,888,000						16,420,860.00
14 RidgeGen Agreement Termination				0	750,770	747,221	743,672	740,123	736,573	730,453						4,448,813.03
TOTAL				40,320,791	40,495,882	36,820,766	36,807,240	38,219,179	45,503,404	46,996,364	0	0	0	0	0	285,163,625