



DIANNE M. TRIPLETT  
ASSOCIATE GENERAL COUNSEL

February 19, 2016

**VIA ELECTRONIC FILING**

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

Re: Revised December 2015 A-Schedules; Docket No. 160001-EI

Dear Ms. Stauffer:

Enclosed for electronic filing in the subject docket on behalf of Duke Energy Florida, LLC, are revised Schedules A3 and A4 for the reporting month of December 2015. The revisions were to University of Florida BTUS Burned (Million BTU) on Schedule A3 and Fuel Burned (MMBTU) on Schedule A4.

Thank you for your assistance in this matter. Please feel free to call me at (727) 820-4692 should you have any questions concerning this filing.

Sincerely,

A handwritten signature in blue ink that reads "Dianne M. Triplett".

Dianne M. Triplett  
Associate General Counsel

DMT/db  
Enclosures

cc: Parties of record

CERTIFICATE OF SERVICE

Docket No. 160001-EI

I HEREBY CERTIFY that a true copy of Duke Energy Florida, LLC's Revised Schedules A3 and A4 for the month of December 2015 have been furnished to the following individuals via e-mail on this 19th day of February, 2016.

  
Attorney

<p>Danijela Janjic John Villafrate Suzanne Brownless Office of General Counsel Florida Public Service Commission 2540 Shumard Oak Blvd. Tallahassee, FL 32399-0850 <a href="mailto:sbrownle@psc.state.fl.us">sbrownle@psc.state.fl.us</a> <a href="mailto:djanjic@psc.state.fl.us">djanjic@psc.state.fl.us</a> <a href="mailto:jvillafr@psc.state.fl.us">jvillafr@psc.state.fl.us</a></p> <p>James D. Beasley J. Jeffrey Wahlen Ashley M. Daniels Ausley McMullen Law Firm P.O. Box 391 Tallahassee, FL 32302 <a href="mailto:jbeasley@ausley.com">jbeasley@ausley.com</a> <a href="mailto:jwahlen@ausley.com">jwahlen@ausley.com</a> <a href="mailto:adaniels@ausley.com">adaniels@ausley.com</a></p> <p>Jeffrey A. Stone Russell A. Badders Steven R. Griffin Beggs &amp; Lane P.O. Box 12950 Pensacola, FL 32591 <a href="mailto:jas@beggslane.com">jas@beggslane.com</a> <a href="mailto:rab@beggslane.com">rab@beggslane.com</a> <a href="mailto:srg@beggslane.com">srg@beggslane.com</a></p> <p>James W. Brew Laura A. Wynn Stone Matheis Xenopoulos &amp; Brew 1025 Thomas Jefferson Street NW 8<sup>th</sup> Floor, West Tower Washington, DC 20007 <a href="mailto:jbrew@smxblaw.com">jbrew@smxblaw.com</a> <a href="mailto:law@smxblaw.com">law@smxblaw.com</a></p>	<p>Mike Cassel, Director Regulatory Affairs Florida Public Utilities Company 1750 S 14<sup>th</sup> Street, Suite 200 Fernandina Beach, FL 32034 <a href="mailto:mcassel@fpuc.com">mcassel@fpuc.com</a></p> <p>Robert L. McGee, Jr. Gulf Power Company One Energy Place Pensacola, FL 32520-0780 <a href="mailto:rlmcgee@southernco.com">rlmcgee@southernco.com</a></p> <p>Beth Keating Gunster, Yoakley &amp; Stewart, P.A. 215 South Monroe Street, Suite 601 Tallahassee, FL 32301 <a href="mailto:bkeating@gunster.com">bkeating@gunster.com</a></p> <p>Charles J. Rehwinkel / Erik Saylor J.R. Kelly / John Truitt Patty Christensen / Tarik Noriega Office of Public Counsel c/o The Florida Legislature 111 W. Madison Street, Room 812 Tallahassee, FL 32399-1400 <a href="mailto:rehwinkel.charles@leg.state.fl.us">rehwinkel.charles@leg.state.fl.us</a> <a href="mailto:sayler.erik@leg.state.fl.us">sayler.erik@leg.state.fl.us</a> <a href="mailto:kelly.jr@leg.state.fl.us">kelly.jr@leg.state.fl.us</a> <a href="mailto:christensen.patty@leg.state.fl.us">christensen.patty@leg.state.fl.us</a> <a href="mailto:truitt.john@leg.state.fl.us">truitt.john@leg.state.fl.us</a> <a href="mailto:noriega.tarik@leg.state.fl.us">noriega.tarik@leg.state.fl.us</a></p> <p>Robert Scheffel Wright John T. LaVia, III c/o Gardner Law Firm 1300 Thomaswood Drive Tallahassee, FL 32308 <a href="mailto:schef@gbwlegal.com">schef@gbwlegal.com</a> <a href="mailto:jlavia@gbwlegal.com">jlavia@gbwlegal.com</a></p>	<p>Ms. Paula K. Brown Manager, Regulatory Coordination Tampa Electric Company P.O. Box 111 Tampa, FL 33601 <a href="mailto:regdept@tecoenergy.com">regdept@tecoenergy.com</a></p> <p>John Butler Maria Moncada Florida Power &amp; Light Company 700 Universe Boulevard (LAW/JB) Juno Beach, FL 33408-0420 <a href="mailto:john.butler@fpl.com">john.butler@fpl.com</a> <a href="mailto:maria.moncada@fpl.com">maria.moncada@fpl.com</a></p> <p>Kenneth Hoffman Florida Power &amp; Light Company 215 S. Monroe Street, Suite 810 Tallahassee, FL 32301-1858 <a href="mailto:ken.hoffman@fpl.com">ken.hoffman@fpl.com</a></p> <p>Jon C. Moyle, Jr. Moyle Law Firm, P.A. 118 North Gadsden Street Tallahassee, FL 32301 <a href="mailto:jmoyle@moylelaw.com">jmoyle@moylelaw.com</a></p> <p>Raoul G. Cantero, III White &amp; Case, LLP Southeast Financial Center, Suite 4900 200 South Biscayne Boulevard Miami, FL 33131-2352 <a href="mailto:rcantero@whitecase.com">rcantero@whitecase.com</a></p>
---	---	--

# A-3 Generating System Comparative Data Report

FINAL

Duke Energy Florida, LLC

Report Period:  
Run Date:

12/1/2015 to 12/1/2015  
1/7/2016 6:30:35PM

<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	979,882	353,243	626,639	177.4%
3 - COAL	14,330,069	35,316,613	(20,986,544)	(59.4%)
4 - GAS	72,252,479	72,412,214	(159,735)	(0.2%)
5 - NUCLEAR	0	0	0	0.0%
6	0	0	0	0.0%
7	0	0	0	0.0%
8 - TOTAL (\$)	87,562,430	108,082,070	(20,519,640)	(19.0%)
<b>SYSTEM NET GENERATION (MWH)</b>				
9 - HEAVY OIL	0	0	0	0.0%
10 - LIGHT OIL	3,494	53	3,441	6,491.5%
11 - COAL	364,166	994,938	(630,772)	(63.4%)
12 - GAS	2,242,083	1,737,967	504,116	29.0%
13 - NUCLEAR	0	0	0	0.0%
14	0	0	0	0.0%
15	0	0	0	0.0%
16 - TOTAL (MWH)	2,609,742	2,732,958	(123,216)	(4.5%)
<b>UNITS OF FUEL BURNED</b>				
17 - HEAVY OIL (BBL)	0	0	0	0.0%
18 - LIGHT OIL (BBL)	7,366	2,818	4,548	161.4%
19 - COAL (TON)	174,907	442,445	(267,538)	(60.5%)
20 - GAS (MCF)	17,434,113	12,948,283	4,485,830	34.6%
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	42,512	16,334	26,178	160.3%
26 - COAL	4,090,931	10,242,473	(6,151,542)	(60.1%)
27 - GAS	17,808,172	12,948,283	4,859,889	37.5%
28 - NUCLEAR	0	0	0	0.0%
29	0	0	0	0.0%
30	0	0	0	0.0%
31 - TOTAL (MILLION BTU)	21,941,615	23,207,090	(1,265,475)	(5.5%)

# A-3 Generating System Comparative Data Report

FINAL

Duke Energy Florida, LLC

Report Period:

12/1/2015 to 12/1/2015

Run Date:

1/7/2016 6:30:35PM

<u>FUEL COST OF SYSTEM</u>	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
<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	6802.7%
34 - COAL	14.0	36.41	(22.5)	(61.7%)
35 - GAS	85.9	63.59	22.3	35.1%
36 - NUCLEAR	0.0	0.00	0.0	0.0%
37	0.0	0.00	0.0	0.0%
38	0.0	0.00	0.0	0.0%
<b>39 - TOTAL (% MWH)</b>	<b>100.0</b>	<b>100.0</b>	<b>0.0</b>	<b>0.0%</b>
<b>FUEL COST PER UNIT (\$)</b>				
40 - HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.0%
41 - LIGHT OIL (\$/BBL)	133.03	125.35	7.68	6.1%
42 - COAL (\$/TON)	81.93	79.82	2.11	2.6%
43 - GAS (\$/MCF)	4.14	5.59	(1.45)	(25.9%)
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%
<b>FUEL COST PER MILLION BTU (\$/MILLION BTU)</b>				
47 - HEAVY OIL	0.00	0.00	0.00	0.0%
48 - LIGHT OIL	23.05	21.63	1.42	6.6%
49 - COAL	3.50	3.45	0.05	1.6%
50 - GAS	4.06	5.59	(1.54)	(27.5%)
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%
<b>54 - SYSTEM (\$/MBTU)</b>	<b>3.99</b>	<b>4.66</b>	<b>(0.67)</b>	<b>(14.3%)</b>
<b>BTU BURNED PER KWH (BTU/KWH)</b>				
55 - HEAVY OIL	0	0	0	0.0%
56 - LIGHT OIL	12,169	308,189	(296,020)	(96.1%)
57 - COAL	11,234	10,295	939	9.1%
58 - GAS	7,943	7,450	492	6.6%
59 - NUCLEAR	0	0	0	0.0%
60	0	0	0	0.0%
61	0	0	0	0.0%
<b>62 - SYSTEM (BTU/KWH)</b>	<b>8,408</b>	<b>8,492</b>	<b>(84)</b>	<b>(1.0%)</b>

# A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

FINAL

Report Period:  
Run Date:

12/1/2015 to 12/1/2015  
1/7/2016 6:30:35PM

<u>FUEL COST OF SYSTEM</u>	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
<b><u>GENERATED FUEL COST PER KWH (CENTS/KWH)</u></b>				
63 - HEAVY OIL	0.00	0.00	0.00	0.0%
64 - LIGHT OIL	28.05	666.50	(638.45)	(95.8%)
64 - LIGHT OIL	3.94	3.55	0.39	10.9%
65 - COAL	3.22	4.17	(0.94)	(20.6%)
66 - GAS	0.00	0.00	0.00	0.0%
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%
<u>70 - SYSTEM (CENTS/KWH)</u>	<u>3.36</u>	<u>3.95</u>	<u>(0.60)</u>	<u>(15.2%)</u>

# A-4 System Net Generation and Fuel Cost Report

FINAL

## Duke Energy Florida, LLC

Report Period: 12/1/2015 to 12/1/2015  
Run Date: 1/8/2016 8:58:31AM

(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>Nuclear</b>													
<b>Crystal River 3</b>													
TOTAL UNIT 3			0.00			0				0	0	0.000	
<b>TOTAL Nuclear:</b>	0	0.00				0				0	0	0.000	
<b>Steam</b>													
<b>Anclote</b>													
TOTAL UNIT 1		220,138.00					Gas	2,396,087	1.023	2,451,197	10,894,904	4.949	4.547
	524	220,138.00	56			11,135				2,451,197	10,894,904	4.949	
TOTAL UNIT 2		54,564.00					Gas	612,447	1.023	626,533	2,784,770	5.104	4.547
	524	54,564.00	14			11,483				626,533	2,784,770	5.104	
<b>Bartow</b>													
TOTAL UNIT 1			0.00			0				0	0	0.000	
TOTAL UNIT 2			0.00			0				0	0	0.000	
TOTAL UNIT 3			0.00			0				0	0	0.000	
<b>Crystal River 1 &amp; 2</b>													
TOTAL UNIT 1		46,119.00 0.00					Coal No 2	20,269 1,009	25.644 5.760	519,778 5,812	1,789,585 138,600	3.880 0.000	88.292 137.364
	372	46,119.00	17			11,396				525,590	1,928,185	4.181	
TOTAL UNIT 2		35,765.00 0.00					Coal No 2	16,645 1,347	25.644 5.760	426,844 7,759	1,469,615 185,029	4.109 0.000	88.292 137.364
	503	35,765.00	10			12,152				434,603	1,654,644	4.626	
<b>Crystal River 4 &amp; 5</b>													
TOTAL UNIT 4		253,060.00 0.00					Coal No 2	122,030 1,145	22.786 5.771	2,780,576 6,608	9,790,193 157,273	3.869 0.000	80.228 137.356
	721	253,060.00	47			11,014				2,787,183	9,947,465	3.931	
TOTAL UNIT 5		32,371.00 0.00					Coal No 2	15,963 2,851	22.786 5.771	363,733 16,452	1,280,676 391,602	3.956 0.000	80.228 137.356
	721	32,371.00	6			11,745				380,185	1,672,277	5.166	

# A-4 System Net Generation and Fuel Cost Report

FINAL

## Duke Energy Florida, LLC

Report Period: 12/1/2015 to 12/1/2015

Run Date: 1/8/2016 8:58:31AM

(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>Steam</b>													
<b>Suwannee Plant</b>													
TOTAL UNIT 1			0.00			0				0	0	0.000	
TOTAL UNIT 2		9,188.00					Gas	134,606	1.023	137,702	614,577	6.689	4.566
	28	9,188.00	44			14,987				137,702	614,577	6.689	
TOTAL UNIT 3		28,976.00					Gas	324,617	1.023	332,083	1,482,120	5.115	4.566
	73	28,976.00	53			11,461				332,083	1,482,120	5.115	
<b>TOTAL Steam:</b>	3,466	680,181.00				11,284				7,675,078	30,978,944	4.555	

# A-4 System Net Generation and Fuel Cost Report

FINAL

## Duke Energy Florida, LLC

Report Period: 12/1/2015 to 12/1/2015  
Run Date: 1/8/2016 8:58:31AM

(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>													
		23.90					No 2	74	5.816	430	7,046	29.482	95.219
		0.00					Gas	1	0.000	0	1,316	0.000	1,315.910
TOTAL APP										430	8,362	34.988	
	70	23.90	0			18,009							
<b>Bartow Combined Cycle</b>													
		713,488.00					Gas	5,069,296	1.021	5,175,751	20,713,445	2.903	4.086
TOTAL BCC										5,175,751	20,713,445	2.903	
	1,185	713,488.00	81			7,254							
<b>Bartow Peaker</b>													
		4.55					No 2	17	5.712	97	1,822	40.036	107.151
		90.45					Gas	1,887	1.023	1,930	13,914	15.383	7.374
TOTAL BAP										2,028	15,735	16.564	
	118	95.00	0			21,342							
<b>Bayboro Peaker</b>													
		0.00					No 2	29	5.712	166	4,238	0.000	146.147
TOTAL BYP										166	4,238	0.000	
	58	0.00	0			0							
<b>Debary Peaker</b>													
		6,358.00					Gas	88,182	1.023	90,210	409,021	6.433	4.638
TOTAL DEP										90,210	409,021	6.433	
	290	6,358.00	3			14,188							
<b>Higgins Peaker</b>													
		35.30					Gas	810	1.023	829	9,322	26.408	11.509
TOTAL HGP										829	9,322	26.408	
	96	35.30	0			23,474							
<b>Hines Energy</b>													
		1,170,678.00					Gas	8,370,316	1.021	8,546,093	35,189,335	3.006	4.204
TOTAL HEP										8,546,093	35,189,335	3.006	
	2,199	1,170,678.00	72			7,300							
<b>Intercession City Peaker</b>													
		357.55					No 2	844	5.802	4,897	89,674	25.080	106.249
		1,719.30					Gas	23,061	1.021	23,545	121,526	7.068	5.270
TOTAL ICP										28,442	211,201	10.169	
	713	2,076.85	0			13,695							
<b>Suwannee Peaker</b>													
		6.93					No 2	50	5.817	291	4,598	66.307	91.968
		1,397.77					Gas	57,304	1.023	58,622	261,816	18.731	4.569
TOTAL SRP										58,913	266,414	18.966	
	200	1,404.70	1			41,940							
<b>Tiger Bay Cogen</b>													
		0.00					Gas	1	0.000	0	(1,667,207)	0.000	(1,667,207.230)
TOTAL TBP										0	(1,667,207)	0.000	
	231	0.00	0			0							



# A-4 System Net Generation and Fuel Cost Report

FINAL

## Duke Energy Florida, LLC

Report Period: 12/1/2015 to 12/1/2015

Run Date: 1/8/2016 8:58:31AM

(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>Univ of Florida Cogen</b>													
		0.00					No 2	0	0.000	0	0	0.000	0.000
		35,401.30					Gas	355,500	1.023	363,677	1,423,618	4.021	4.005
TOTAL UFP													
	47	35,401.30	101			10,273				363,677	1,423,618	4.021	
<b>TOTAL Gas Turbine:</b>													
	5,207	1,929,561.05				7,394				14,266,537	56,583,486	2.932	
<b>SYSTEM TOTAL:</b>													
	8,673	2,609,742.05				8,408				21,941,615	87,562,430	3.355	

# A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Report Period: 1/1/2015 to 12/1/2015

Run Date: 1/9/2016 9:54:03AM

<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	20,687,452	4,211,953	16,475,499	391.2%
3 - COAL	379,954,861	437,953,621	(57,998,760)	(13.2%)
4 - GAS	947,933,972	1,008,384,819	(60,450,847)	(6.0%)
5 - NUCLEAR	0	0	0	0.0%
6	0	0	0	0.0%
7	0	0	0	0.0%
<b>8 - TOTAL (\$)</b>	<b>1,348,576,284</b>	<b>1,450,550,393</b>	<b>(101,974,109)</b>	<b>(7.0%)</b>
<b>SYSTEM NET GENERATION (MWH)</b>				
9 - HEAVY OIL	0	0	0	0.0%
10 - LIGHT OIL	72,848	3,125	69,723	2,231.1%
11 - COAL	9,718,456	11,858,055	(2,139,599)	(18.0%)
12 - GAS	25,227,323	23,858,422	1,368,901	5.7%
13 - NUCLEAR	0	0	0	0.0%
14	0	0	0	0.0%
15	0	0	0	0.0%
<b>16 - TOTAL (MWH)</b>	<b>35,018,627</b>	<b>35,719,602</b>	<b>(700,975)</b>	<b>(2.0%)</b>
<b>UNITS OF FUEL BURNED</b>				
17 - HEAVY OIL (BBL)	0	0	0	0.0%
18 - LIGHT OIL (BBL)	162,382	33,179	129,203	389.4%
19 - COAL (TON)	4,425,252	5,325,962	(900,710)	(16.9%)
20 - GAS (MCF)	198,464,799	182,938,293	15,526,506	8.5%
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	927,656	192,302	735,354	382.4%
26 - COAL	102,196,707	123,887,171	(21,690,464)	(17.5%)
27 - GAS	203,148,563	182,938,293	20,210,270	11.0%
28 - NUCLEAR	0	0	0	0.0%
29	0	0	0	0.0%
30	0	0	0	0.0%
<b>31 - TOTAL (MILLION BTU)</b>	<b>306,272,926</b>	<b>307,017,766</b>	<b>(744,840)</b>	<b>(0.2%)</b>

# A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Report Period: 1/1/2015 to 12/1/2015

Run Date: 1/9/2016 9:54:03AM

<u>FUEL COST OF SYSTEM</u>	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
<b>GENERATION MIX (% MWH)</b>				
32 - HEAVY OIL	0.0	0.00	0.0	0.0%
33 - LIGHT OIL	0.2	0.01	0.2	2280.3%
34 - COAL	27.8	33.20	(5.4)	(16.3%)
35 - GAS	72.0	66.79	5.2	7.8%
36 - NUCLEAR	0.0	0.00	0.0	0.0%
37	0.0	0.00	0.0	0.0%
38	0.0	0.00	0.0	0.0%
<b>39 - TOTAL (% MWH)</b>	<b>100.0</b>	<b>100.0</b>	<b>0.0</b>	<b>0.0%</b>
<b>FUEL COST PER UNIT (\$)</b>				
40 - HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.0%
41 - LIGHT OIL (\$/BBL)	127.40	126.95	0.45	0.4%
42 - COAL (\$/TON)	85.86	82.23	3.63	4.4%
43 - GAS (\$/MCF)	4.78	5.51	(0.74)	(13.3%)
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%
<b>FUEL COST PER MILLION BTU (\$/MILLION BTU)</b>				
47 - HEAVY OIL	0.00	0.00	0.00	0.0%
48 - LIGHT OIL	22.30	21.90	0.40	1.8%
49 - COAL	3.72	3.54	0.18	5.2%
50 - GAS	4.67	5.51	(0.85)	(15.3%)
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%
<b>54 - SYSTEM (\$/MBTU)</b>	<b>4.40</b>	<b>4.72</b>	<b>(0.32)</b>	<b>(6.8%)</b>
<b>BTU BURNED PER KWH (BTU/KWH)</b>				
55 - HEAVY OIL	0	0	0	0.0%
56 - LIGHT OIL	12,734	61,537	(48,803)	(79.3%)
57 - COAL	10,516	10,448	68	0.7%
58 - GAS	8,053	7,668	385	5.0%
59 - NUCLEAR	0	0	0	0.0%
60	0	0	0	0.0%
61	0	0	0	0.0%
<b>62 - SYSTEM (BTU/KWH)</b>	<b>8,746</b>	<b>8,595</b>	<b>151</b>	<b>1.8%</b>

# A-3 Generating System Comparative Data Report

Duke Energy Florida, LLC

Report Period: 1/1/2015 to 12/1/2015

Run Date: 1/9/2016 9:54:03AM

<u>FUEL COST OF SYSTEM</u>	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
<b><u>GENERATED FUEL COST PER KWH (CENTS/KWH)</u></b>				
63 - HEAVY OIL	0.00	0.00	0.00	0.0%
64 - LIGHT OIL	28.40	134.78	(106.38)	(78.9%)
65 - COAL	3.91	3.69	0.22	5.9%
66 - GAS	3.76	4.23	(0.47)	(11.1%)
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%
<u>70 - SYSTEM (CENTS/KWH)</u>	<u>3.85</u>	<u>4.06</u>	<u>(0.21)</u>	<u>(5.2%)</u>

# A-4 System Net Generation and Fuel Cost Report

## Duke Energy Florida, LLC

Report Period: 1/1/2015 to 12/1/2015  
Run Date: 1/18/2016 8:38:20AM

(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>Nuclear</b>													
<b>Crystal River 3</b>													
TOTAL UNIT 3			0.00			0				0	0	0.000	
<b>TOTAL</b>	0	0.00				0				0	0	0.000	
<b>Steam</b>													
<b>Anclote</b>													
TOTAL UNIT 1		1,671,276.00					Gas	17,666,113	1.023	18,078,377	90,629,486	5.423	5.130
	524	1,671,276.00	36		10,817					18,078,377	90,629,486	5.423	
TOTAL UNIT 2		1,266,165.00					Gas	14,029,013	1.024	14,371,793	77,023,380	6.083	5.490
	524	1,266,165.00	28		11,351					14,371,793	77,023,380	6.083	
<b>Bartow</b>													
TOTAL UNIT 1			0.00			0				0	0	0.000	
TOTAL UNIT 2			0.00			0				0	0	0.000	
TOTAL UNIT 3			0.00			0				0	0	0.000	
<b>Crystal River 1 &amp; 2</b>													
TOTAL UNIT 1		703,709.30					Coal	321,233	24.052	7,726,168	32,126,499	4.565	100.010
		0.00					No 2	7,281	5.787	42,135	1,105,830	0.000	151.879
	372	703,709.30	22		11,039					7,768,303	33,232,329	4.722	
TOTAL UNIT 2		1,725,300.00					Coal	780,702	23.996	18,733,422	81,567,706	4.728	104.480
		0.00					No 2	4,678	5.782	27,047	695,967	0.000	148.774
	503	1,725,300.00	39		10,874					18,760,469	82,263,673	4.768	
<b>Crystal River 4 &amp; 5</b>													
TOTAL UNIT 4		4,089,065.00					Coal	1,874,676	22.776	42,696,723	150,379,732	3.678	80.216
		0.00					No 2	18,667	5.788	108,053	2,842,118	0.000	152.254
	721	4,089,065.00	65		10,468					42,804,776	153,221,850	3.747	
TOTAL UNIT 5		3,226,798.00					Coal	1,448,641	22.808	33,040,394	115,880,923	3.591	79.993
		0.00					No 2	18,473	5.788	106,925	2,798,053	0.000	151.467
	721	3,226,798.00	51		10,273					33,147,320	118,678,977	3.678	

# A-4 System Net Generation and Fuel Cost Report

Duke Energy Florida, LLC

Report Period: 1/1/2015 to 12/1/2015  
Run Date: 1/18/2016 8:38:20AM

(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>Steam</b>													
<b>Suwannee Plant</b>													
TOTAL UNIT 1		71,536.00					Gas	962,817	1.024	985,615	4,680,360	6.543	4.861
	28	71,536.00	29			13,778				985,615	4,680,360	6.543	
TOTAL UNIT 2		129,008.00					Gas	1,824,539	1.024	1,868,204	9,423,337	7.304	5.165
	29	129,008.00	51			14,481				1,868,204	9,423,337	7.304	
TOTAL UNIT 3		284,496.00					Gas	3,323,895	1.023	3,401,903	18,162,265	6.384	5.464
	73	284,496.00	44			11,958				3,401,903	18,162,265	6.384	
<b>TOTAL Steam:</b>	3,466	13,167,353.30				10,722				141,186,760	587,315,656	4.460	

# A-4 System Net Generation and Fuel Cost Report

Duke Energy Florida, LLC

Report Period: 1/1/2015 to 12/1/2015  
Run Date: 1/18/2016 8:38:20AM

(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>													
		1,723.22					No 2	5,080	5.816	29,547	502,758	29.175	98.968
TOTAL APP		4,458.38					Gas	74,692	1.023	76,445	369,409	8.286	4.946
	59	6,181.60	1			17,146				105,992	872,167	14.109	
<b>Bartow Combined Cycle</b>													
TOTAL BCC		7,098,619.76					Gas	52,350,064	1.023	53,574,920	237,110,446	3.340	4.529
	1,137	7,098,619.76	71			7,547				53,574,920	237,110,446	3.340	
<b>Bartow Peaker</b>													
		2,883.21					No 2	7,588	5.715	43,369	813,065	28.200	107.151
TOTAL BAP		15,499.89					Gas	227,906	1.023	233,146	1,122,759	7.244	4.926
	197	18,383.10	1			15,042				276,514	1,935,824	10.530	
<b>Bayboro Peaker</b>													
TOTAL BYP		13,350.70					No 2	31,184	5.486	171,077	4,340,368	32.510	139.186
	201	13,350.70	1			12,814				171,077	4,340,368	32.510	
<b>Debary Peaker</b>													
		11,949.76					No 2	29,193	5.784	168,850	3,345,111	27.993	114.586
TOTAL DEP		103,385.24					Gas	1,426,797	1.024	1,460,833	7,396,771	7.155	5.184
	688	115,335.00	2			14,130				1,629,683	10,741,882	9.314	
<b>Higgins Peaker</b>													
TOTAL HGP		10,863.60					Gas	195,757	1.022	200,072	921,061	8.478	4.705
	112	10,863.60	1			18,417				200,072	921,061	8.478	
<b>Hines Energy</b>													
TOTAL HEP		12,598,331.00					Gas	88,588,508	1.024	90,678,690	418,277,482	3.320	4.722
	2,016	12,598,331.00	71			7,198				90,678,690	418,277,482	3.320	
<b>Intercession City Peaker</b>													
		13,692.17					No 2	31,618	5.800	183,381	3,353,595	24.493	106.066
TOTAL ICP		283,435.54					Gas	3,706,435	1.024	3,796,090	17,121,193	6.041	4.619
	1,063	297,127.71	3			13,393				3,979,471	20,474,788	6.891	
<b>Rio Pinar Peaker</b>													
TOTAL RPP		66.00					No 2	196	5.824	1,141	22,115	33.507	112.830
	13	66.00	0			17,295				1,141	22,115	33.507	
<b>Suwannee Peaker</b>													
		2,208.78					No 2	5,738	5.818	33,384	527,710	23.891	91.968
TOTAL SRP		36,968.12					Gas	545,855	1.024	558,737	2,926,507	7.916	5.361
	175	39,176.90	3			15,114				592,120	3,454,218	8.817	

# A-4 System Net Generation and Fuel Cost Report

Duke Energy Florida, LLC

Report Period: 1/1/2015 to 12/1/2015  
Run Date: 1/18/2016 8:38:20AM

(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>Tiger Bay Cogen</b>													
TOTAL TBP		1,270,338.00					Gas	9,868,635	1.024	10,103,174	45,944,779	3.617	4.656
	216	1,270,338.00	67			7,953				10,103,174	45,944,779	3.617	
<b>Turner Peaker</b>													
TOTAL TUP		646.00					No 2	2,202	5.789	12,747	283,158	43.833	128.591
	141	646.00	0			19,732				12,747	283,158	43.833	
<b>Univ of Florida Cogen</b>													
TOTAL UFP		0.00					No 2	484	0.000	0	57,604	0.000	119.017
		382,854.30					Gas	3,673,773	1.024	3,760,564	16,824,738	4.395	4.580
	46	382,854.30	94			9,822				3,760,564	16,882,342	4.410	
<b>TOTAL Gas Turbine:</b>													
	6,063	21,851,273.67				7,555				165,086,167	761,260,629	3.484	
<b>SYSTEM TOTAL:</b>													
	9,529	35,018,626.97				8,746				306,272,926	1,348,576,284	3.851	



Duke Energy Florida  
2016  
A Schedule Acronym Listing

Acronym	Definition
RRSSA	Revised and Restated Stipulation and Settlement Agreement
T & D	Transmission and Distribution
GPIF	Generating Performance Incentive Factor
MWH	Megawatt Hour
KWH	Kilowatt Hour
CAP	Capacity
FAC	Factor
EQUIV	Equivalent
AVAIL	Availability
Adj	Adjusted/Adjustment
C/KWH	Cents per kilowatt Hour
SEPA	Southeastern Power Administration
Cogen / CO-GEN	Cogeneration
TOLL	Tolling
BBL	Barrel
MCF	Thousand Cubic Feet
MMBTU	Million British Thermal Units
BTU	British Thermal Unit