



Matthew R. Bernier
Senior Counsel

March 1, 2017

VIA ELECTRONIC FILING

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

Re: *Fuel and Purchased Power Cost recovery clause with Generating Performance
Incentive Factor; Docket No. 170001-EI*

Dear Ms. Stauffer:

On behalf of Duke Energy Florida, LLC ("DEF"), please find enclosed for electronic filing in the above-referenced docket:

- DEF's Petition for Approval of Fuel Cost Recovery and Capacity Cost Recovery Actual True-Ups for the Period ending December 2016; and
- Direct Testimony of Christopher Menendez with Exhibit No. ____ (CAM-1T), Redacted Exhibit No. ____ (CAM-2T), Redacted Exhibit No. ____ (CAM-3T) and Exhibit No. ____ (CAM-4T).

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.

Respectfully,

s/ Matthew R. Bernier
Matthew R. Bernier

MRB/mw
Enclosures

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In Re: Fuel and Purchase Power)
Cost Recovery Clause and Generating)
Performance Incentive Factor)

Docket No. 170001-EI
Filed: March 1, 2017

PETITION FOR APPROVAL OF FUEL COST RECOVERY AND CAPACITY COST RECOVERY ACTUAL TRUE-UPS FOR THE PERIOD ENDING DECEMBER 2016

Duke Energy Florida, LLC (“DEF”), hereby petitions the Commission for approval of DEF’s actual Fuel and Purchased Power Cost Recovery (“FCR”) true-up amount of \$85,111,174 under-recovery and actual Capacity Cost Recovery (“CCR”) true-up amount of \$16,868,290 over-recovery for the period ending December 2016. In support of this Petition, DEF states as follows:

1. The actual \$85,111,174 FCR under-recovery for the period January 2016 through December 2016 was calculated in accordance with the methodology set forth in Schedule 1, page 2 of 2, attached to Order No. 10093, dated June 19, 1981. This calculation and the supporting documentation are contained in the prepared testimony and exhibits of DEF witness Christopher A. Menendez, which is being filed together with the Petition and is incorporated herein by reference.
2. By Order No. PSC-16-0547-FOF-EI, the Commission approved a levelized FCR Factor of 3.663 cents/kWh for the 12-month period commencing January 2017. This FCR Factor reflected an “actual/estimated” under-recovery including interest for the period January 2016 through December 2016 of \$26,217,663. The actual under-recovery including interest for the period January 2016 through December 2016 is \$85,111,174. The \$85,111,174 actual under-recovery, less the actual/estimated under-recovery of \$26,217,663 results in the total under-recovery of \$58,893,512.
3. The actual \$16,868,290 CCR over-recovery for the period January 2016 through December 2016 was calculated in accordance with the methodology set forth in Order No. 25773, dated

February 24, 1992. This calculation and the supporting documentation are contained in the prepared testimony and exhibits of DEF witness Christopher A. Menendez.

4. By Order No. PSC-16-0547-FOF-EI, the Commission approved CCR Factors for the 12-month period commencing January 2017. These factors reflected an actual/estimated over-recovery, including interest, for the period January 2016 through December 2016 of \$14,665,232. The actual over-recovery, including interest, for the period January 2016 through December 2016 is \$16,868,290. The \$16,868,290 actual over-recovery, less the actual/estimated over-recovery of \$14,665,232 which is currently reflected in charges for the period beginning January 2017, results in a total over-recovery of \$2,203,058.

WHEREFORE, DEF respectfully requests the Commission to approve the net \$58,893,512 FCR under-recovery as the actual true-up amount for the period ending December 2016; and to approve the net \$2,203,058 CCR over-recovery as the actual true-up amount for the period ending December 2016.

Respectfully submitted,

s/Matthew R. Bernier

DIANNE M. TRIPLETT
Associate General Counsel
Duke Energy Florida, LLC.
299 First Avenue North
St. Petersburg, FL 33701
T: 727.820.4692
F: 727.820.5041
E: Dianne.Triplett@duke-energy.com

MATTHEW R. BERNIER
Senior Counsel
Duke Energy Florida, LLC
106 East College Avenue
Suite 800
Tallahassee, Florida 32301
T: 850.521.1428
F: 727.820.5041
E: Matthew.Bernier@duke-energy.com

Duke Energy Florida, LLC
Docket No.: 170001
CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished via electronic mail this 1st day of March, 2017 to all parties of record as indicated below.

s/Matthew R. Bernier

Attorney

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

DOCKET No. 170001-EI

**Fuel and Capacity Cost Recovery
Actual True-Up for the Period
January through December, 2016**

**DIRECT TESTIMONY OF
Christopher A. Menendez**

March 1, 2017

1 **Q. Please state your name and business address.**

2 A. My name is Christopher A. Menendez. My business address is 299 First
3 Avenue North, St. Petersburg, Florida 33701.

4

5 **Q. By whom are you employed and in what capacity?**

6 A. I am employed by Duke Energy Florida, LLC, as Rates and Regulatory
7 Strategy Manager.

8

9 **Q. What are your responsibilities in that position?**

10 A. I am responsible for regulatory planning and cost recovery for Duke Energy
11 Florida, LLC ("DEF" or the "Company"). These responsibilities include
12 completion of regulatory financial reports and analysis of state, federal, and
13 local regulations and their impacts on DEF. In this capacity, I am
14 responsible for DEF's Final True-Up, Actual/Estimated Projection and
15 Projection Filings in the Fuel Clause, Capacity Cost Recovery Clause and
16 Environmental Cost Recovery Clause.

DUKE ENERGY FLORIDA

1 **Q. Please describe your educational background and professional**
2 **experience.**

3 A. I joined the Company on April 7, 2008 as a Senior Financial Specialist in
4 the Florida Planning & Strategy group. In that capacity, I supported the
5 development of long-term financial forecasts and the development of
6 current-year monthly earnings and cash flow projections. In 2011, I
7 accepted a position as a Senior Business Financial Analyst in the Power
8 Generation Florida Finance organization. In that capacity, I provided
9 accounting and financial analysis support to various generation facilities
10 in DEF's Fossil fleet. In 2013, I accepted a position as a Senior
11 Regulatory Specialist. In that capacity, I supported the preparation of
12 testimony and exhibits for the Fuel Docket as well as other Commission
13 Dockets. In October 2014, I was promoted to my current position. Prior
14 to working at DEF, I was the Manager of Inventory Accounting and
15 Control for North American Operations at Cott Beverages. In this role, I
16 was responsible for inventory-related accounting and inventory control
17 functions for Cott-owned manufacturing plants in the United States and
18 Canada. I received a Bachelor of Science degree in Accounting from the
19 University of South Florida, and I am a Certified Public Accountant in the
20 State of Florida.

1 **Q. What is the purpose of your testimony?**

2 A. The purpose of my testimony is to provide DEF's Fuel Adjustment Clause
3 final true-up amount for the period of January 2016 through December
4 2016, and DEF's Capacity Cost Recovery Clause final true-up amount for
5 the same period.

6

7 **Q. Have you prepared exhibits to your testimony?**

8 A. Yes, I have prepared and attached to my true-up testimony as Exhibit No.
9 ____(CAM-1T), a Fuel Adjustment Clause true-up calculation and related
10 schedules; Exhibit No. ____(CAM-2T), a Capacity Cost Recovery Clause true-
11 up calculation and related schedules; Exhibit No. ____(CAM-3T), Schedules
12 A1 through A3, A6, and A12 for December 2016, year-to-date; and Exhibit
13 No. ____(CAM-4T), a schedule outlining the 2016 capital structure and cost
14 rates applied to capital projects. Exhibit No. ____(CAM-4T) is included for
15 informational purposes only, as DEF's 2016 Actual True-Up Filing does not
16 include a capital return component. Schedules A1 through A9, and A12 for
17 the year ended December 31, 2016, were previously filed with the
18 Commission on January 19, 2017. Revised Schedules A1, A3 and A4 for
19 the year ended December 31, 2016 were filed with the Commission on
20 February 20, 2017.

1 **Q. What is the source of the data that you will present by way of**
2 **testimony or exhibits in this proceeding?**

3 A. Unless otherwise indicated, the actual data is taken from the books and
4 records of the Company. The books and records are kept in the regular
5 course of business in accordance with generally accepted accounting
6 principles and practices, and provisions of the Uniform System of Accounts
7 as prescribed by this Commission. The Company relies on the information
8 included in this testimony in the conduct of its affairs.

9
10 **Q. Would you please summarize your testimony?**

11 A. Per Order No. PSC-16-0547-FOF-EI, the estimated 2016 fuel adjustment
12 true-up amount was an under-recovery of \$26.2 million. The actual under-
13 recovery for 2016 was \$85.1 million resulting in a final fuel adjustment true-
14 up under-recovery amount of \$58.9 million. Exhibit No. ____(CAM-1T).

15
16 The estimated 2016 capacity cost recovery true-up amount was an over-
17 recovery of \$14.7 million. The actual amount for 2016 was an over-
18 recovery of \$16.9 million resulting in a final capacity true-up over-recovery
19 amount of \$2.2 million. Exhibit No. ____(CAM-2T).

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FUEL COST RECOVERY

Q. What is DEF's jurisdictional ending balance as of December 31, 2016 for fuel cost recovery?

A. The actual ending balance as of December 31, 2016 for true-up purposes is an under-recovery of \$85,111,174.

Q. How does this amount compare to DEF's estimated 2016 ending balance included in the Company's actual/estimated true-up filing?

A. The actual true-up amount attributable to the January - December 2016 period is an under-recovery of \$85,111,174 which is \$58,893,512 higher than the re-projected year end under-recovery balance of \$26,217,663.

Q. How was the final true-up ending balance determined?

A. The amount was determined in the manner set forth on Schedule A2 of the Commission's standard forms previously submitted by the Company on a monthly basis.

Q. What factors contributed to the period-ending jurisdictional under-recovery of \$85,111,174 shown on your Exhibit No. __ (CAM-1T)?

A. The factors contributing to the under-recovery are summarized on Exhibit No. __ (CAM-1T), sheet 1 of 7. Net jurisdictional fuel revenues were unfavorable to the forecast by \$43.3 million, while jurisdictional fuel and

1 purchased power expense increased \$41.9 million, resulting in a difference
2 in jurisdictional fuel revenue and expense of \$85.2 million. The \$43.3
3 million decrease in jurisdictional fuel revenues is primarily attributable to the
4 Final 2015 True-Up, which was an over-recovery of \$37.8 million. In DEF's
5 2016 Midcourse Correction, DEF included this over-recovery in the
6 calculation of the Midcourse adjustment; thereby returning the over-
7 recovery to customers beginning in April 2016, as approved in Order No.
8 PSC-16-0120-PCO-EI. As a result, DEF's actual revenues are lower than
9 estimated revenues by \$37.8 million. The \$41.9 million increase in
10 jurisdictional fuel and purchased power expense is primarily attributable to
11 an unfavorable system variance from projected fuel and net purchased
12 power of \$96.9 million as more fully described below, partially offset by the
13 2013 Revised and Restated Stipulation and Settlement Agreement
14 ("RRSSA") refunds. The RRSSA refunds are also discussed more fully
15 below. The \$85.1 million under-recovery also includes the deferral of
16 \$25,816 of 2015 under-recovery approved in Order No. PSC-16-0547-FOF-
17 EI. The net result of the difference in jurisdictional fuel revenues and
18 expenses of \$85.2 million, minus the 2015 deferral of \$25,821 and plus the
19 2016 interest provision calculated on the deferred balance throughout the
20 year, is an under-recovery of \$85.1 million as of December 31, 2016.

1 **Q. Please explain the components contributing to the \$58.9 million**
2 **variance between the actual under-recovery of \$85.1 million and the**
3 **approved, estimated/actual under-recovery of \$26.2 million.**

4 A. The major factors contributing to the \$58.9 million variance are a \$80.7
5 million increase in system fuel and net power costs partially offset by a
6 \$16.6 million increase in revenues.

7

8 **Q. Please explain the components shown on Exhibit No. __ (CAM-1T),**
9 **sheet 6 of 7, which helps to explain the \$41.9 million unfavorable**
10 **system variance from the projected cost of fuel and net purchased**
11 **power transactions.**

12 A. Exhibit No. __ (CAM-1T), sheet 6 of 7 is an analysis of the system dollar
13 variance for each energy source in terms of three interrelated components;
14 (1) changes in the amount (MWH's) of energy required; (2) changes in
15 the heat rate of generated energy (BTU's per KWH); and (3) changes in
16 the unit price of either fuel consumed for generation (\$ per million BTU) or
17 energy purchases and sales (cents per kWh). The \$96.9 million
18 unfavorable system variance is mainly attributable to higher than expected
19 firm purchases and increased system net generation. The \$96.9 million
20 variance is partially offset by the RRSSA refunds, which are discussed
21 more fully below.

1 **Q. Does this period ending true-up balance include any noteworthy**
2 **adjustments to fuel expense?**

3 A. Yes. Noteworthy adjustments are shown on Exhibit No. ____(CAM-3T) in the
4 footnote to line 6b on page 1 of 2, Schedule A2.

5
6 **Q. Did the Company make an adjustment for changes in coal inventory**
7 **based on an Aerial Survey?**

8 A. Yes. DEF included an adjustment of approximately \$1 million to coal
9 inventory attributable to the semi-annual aerial surveys conducted on April
10 26, 2016 and November 10, 2016 in accordance with Docket No. 970001-
11 EI, Order No. PSC-97-0359-FOF-EI. This adjustment represents 0.28% of
12 the total coal consumed at the Crystal River facility in 2016.

13
14 **Q. Were there any impacts to the 2016 True-up filing associated with the**
15 **2013 RRSSA?**

16 A. Yes. Paragraphs 6.a and 6.b impact the 2016 true-up. Paragraph 6.a
17 requires DEF to refund Residential and General Service Non-Demand
18 customers \$10 million in 2016 through the Fuel Adjustment Clause,
19 allocated 94% to Residential and 6% to General Service Non-Demand.
20 Paragraph 6.b requires DEF to refund Retail customers \$60 million in 2016
21 through the Fuel Adjustment Clause. These impacts are addressed further
22 in my testimony below.

1 **Q. Have you included these impacts in your calculation of the true-up**
2 **balance?**

3 A. Yes.

4
5 **Q. Please describe where the impact of paragraph 6.a is included in your**
6 **schedules and how this is included in the final true-up amount?**

7 A. The 2016 Projection Filing, approved by the Commission in Order PSC-15-
8 0586-FOF-EI, established the refund of \$10 million through a reduction in
9 2016 fuel rates for Residential and General Service, Non-Demand
10 customers. The rate reduction is inherently reflected in the Jurisdictional
11 Fuel Revenues reported in Exhibit No.____ (CAM-1T) (Sheets 2 and 3 of 7)
12 on line C1. The refund of \$10 million is shown on line C.1c. This amount is
13 included in the 2016 fuel revenue applicable to period shown in line C.3
14 which is then used in the calculation of the total true-up balance (line C.13).

15
16 **Q. Please describe where the impact of paragraph 6.b is included in your**
17 **schedules and how this is included in the final true-up amount?**

18 A. Exhibit No. ____ (CAM-1T) (Sheets 2 and 3 of 7) shows the refund of \$60
19 million on line C.1a allocated evenly over the 12-month period. This
20 amount is included in the 2016 fuel revenue applicable to period shown in
21 line C.3, which is then used in the calculation of the total true-up balance
22 (line C.13).

1 **Q. On May 25, 2016, an outage occurred at the Hines Combined Cycle**
2 **Plant. Did DEF incur any replacement power costs as a result of this**
3 **outage?**

4 A. Yes. DEF incurred retail replacement power costs of approximately \$8.3
5 million (\$8.4 million system). In December 2016, DEF chose to reduce
6 retail fuel expense by \$8.3 million to remove the impact of the replacement
7 power to retail customers. This adjustment is included in Exhibit No.
8 __ (CAM-3T) in the footnote to line 6b on page 1 of 2, Schedule A2.

9
10 **Q. Did DEF exceed the economy sales threshold in 2016?**

11 A. No. DEF did not exceed the gain on economy sales threshold of \$2.9
12 million in 2016. As reported on Schedule A1-2, Line 15a, the gain for the
13 year-to-date period through December 2016 was \$0.8 million. This entire
14 amount was returned to customers through a reduction of total fuel and net
15 purchased power expense recovered through the fuel clause.

1 **Q. Has the three-year rolling average gain on economy sales included in**
2 **the Company's filing for the November 2016 hearings been updated to**
3 **incorporate actual data for all of year 2016?**

4 A. Yes. DEF has calculated its three-year rolling average gain on economy
5 sales, based entirely on actual data for calendar years 2014 through 2016,
6 as follows:

	<u>Year</u>	<u>Actual Gain</u>
	2014	\$4,493,609
	2015	\$3,720,655
	2016	<u>\$ 834,842</u>
11	Three-Year Average	<u>\$3,016,369</u>

1 **CAPACITY COST RECOVERY**

2

3 **Q. What is the Company's jurisdictional ending balance as of December**
4 **31, 2016 for capacity cost recovery?**

5 A. The actual ending balance as of December 31, 2016 for true-up purposes is
6 an over-recovery of \$16,868,290.

7

8 **Q. How does this amount compare to the estimated 2016 ending balance**
9 **included in the Company's actual/estimated true-up filing?**

10 A. When the estimated 2016 over-recovery of \$14,665,232 is compared to the
11 \$16,868,290 actual over-recovery, the final capacity true-up for the twelve
12 month period ended December 2016 is an over-recovery of \$2,203,058.

13

14 **Q. Is this true-up calculation consistent with the true-up methodology**
15 **used for the other cost recovery clauses?**

16 A. Yes. The calculation of the final net true-up amount follows the procedures
17 established by the Commission in Order No. PSC-96-1172-FOF-EI. The
18 true-up amount was determined in the manner set forth on the
19 Commission's standard forms previously submitted by the Company on a
20 monthly basis.

1 **Q. What factors contributed to the actual period-end capacity over-**
2 **recovery of \$2.2 million?**

3 A. Exhibit No. __ (CAM-2T, sheet 1 of 3) compares actual results to the original
4 projection for the period. The \$2.2 million over-recovery is primarily due to
5 higher than estimated sales.

6

7 **Q. Does this conclude your direct true-up testimony?**

8 A. Yes.

Duke Energy Florida
 Fuel Adjustment Clause
 Summary of Actual True-Up Amount
 January through December 2016

Line No.	Description	Contribution to Over/(Under) Recovery Period to Date
	KWH Sales:	
1	Jurisdictional Kwh sales - difference	845,763,595
2	Non-Jurisdictional Kwh sales - difference	226,175,293
3	Total System Kwh sales - difference Schedule A2, pg 1 of 2, line B3	<u>1,071,938,888</u>
	System:	
4	Fuel and Net Purchased Power Costs - difference Schedule A2, page 2 of 2, line C4	<u>\$ 96,865,152</u>
	Jurisdictional:	
5	Fuel Revenues - difference Schedule A2, page 2 of 2, line C3	\$ (43,280,768)
6	Fuel and Net Purchased Power Costs - difference Schedule A2, page 2 of 2, line C6 - C12 - C7	<u>41,906,341</u>
7	True Up amount for the period	(85,187,109)
8	True Up for the prior period Schedule A2, page 2 of 2, line C10	(25,821)
9	Interest Provision Schedule A2, page 2 of 2, line C8	<u>101,756</u>
10	Actual True Up ending balance for the period January 2016 through December 2016 Schedule A2, page 2 of 2, line C13	(85,111,174)
11	Estimated True Up ending balance for the period included in the filing of Levelized Fuel Cost Factors January through December 2016, Docket No. 160001-EI.	(26,217,663)
12	Total True Up for the period January 2016 through December 2016	<u>\$ (58,893,512)</u>

Duke Energy Florida
 Fuel Adjustment Clause
 Calculation of Actual True-up
 For the Period of January through December 2016

		JAN	FEB	MAR	APR	MAY	JUN	6 MONTH SUB-	
		ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	TOTAL	
A	1	Fuel Cost of System Generation	\$ 94,981,804	\$ 83,413,721	\$ 78,345,839	\$ 82,817,723	\$ 90,802,680	\$ 110,507,482	\$ 540,869,249
	2	Fuel Cost of Power Sold	(2,691,656)	(1,345,614)	(1,423,831)	(2,132,787)	(1,895,385)	(4,198,390)	(13,687,664)
	3	Fuel Cost of Purchased Power	4,937,035	6,217,173	14,421,739	20,084,233	32,818,134	31,608,698	110,087,011
	3a	Demand and Non-Fuel Cost of Purchased Power							-
	3b	Energy Payments to Qualified Facilities	8,284,310	9,432,944	9,730,163	7,658,173	10,499,028	10,232,952	55,837,571
	4	Energy Cost of Economy Purchases	216,014	(55,757)	265,606	390,715	406,645	1,004,737	2,227,961
	5	Adjustments to Fuel Cost	(24,885)	(26,759)	(31,140)	(30,128)	32,448	(21,508)	(101,972)
	6	TOTAL FUEL & NET POWER TRANSACTIONS	<u>105,702,622</u>	<u>97,635,708</u>	<u>101,308,376</u>	<u>108,787,928</u>	<u>132,663,550</u>	<u>149,133,972</u>	<u>695,232,156</u>
		(Sum of Lines A1 Through A5)							
B	1	Jurisdictional MWH Sales	2,772,355	2,712,019	2,687,916	2,710,583	3,189,901	3,609,508	17,682,281
	2	Non-Jurisdictional MWH Sales	30,873	20,634	21,753	74,556	23,060	28,457	199,333
	3	TOTAL SALES (Lines B1 + B2)	<u>2,803,228</u>	<u>2,732,653</u>	<u>2,709,669</u>	<u>2,785,139</u>	<u>3,212,962</u>	<u>3,637,966</u>	<u>17,881,615</u>
	4	Jurisdictional % of Total Sales (Line B1/B3)	98.90%	99.24%	99.20%	97.32%	99.28%	99.22%	98.89%
C	1	Jurisdictional Fuel Recovery Revenue (Net of Revenue Taxes)	98,935,994	97,150,007	94,743,489	78,832,246	94,121,778	108,162,345	571,945,858
	1a	RRSSA Refund - \$60M	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	30,000,000
	1b	RRSSA Fuel Adjustment	0	0	0	0	0	0	-
	1c	RRSSA Refund - \$10M	833,333	833,333	833,333	833,333	833,333	833,333	5,000,000
	2	True-Up Provision	6,560,919	6,560,919	6,560,919	10,764,480	10,764,480	10,764,480	51,976,199
	2a	Incentive Provision	717,816	717,816	717,816	717,816	717,816	717,816	4,306,899
	3	FUEL REVENUE APPLICABLE TO PERIOD	<u>112,048,063</u>	<u>110,262,076</u>	<u>107,855,558</u>	<u>96,147,876</u>	<u>111,437,408</u>	<u>125,477,975</u>	<u>663,228,956</u>
		(Sum of Lines C1 Through C2a)							
	4	Fuel & Net Power Transactions (Line A6)	105,702,622	97,635,708	101,308,376	108,787,928	132,663,550	149,133,972	695,232,156
	5	Jurisdictional Total Fuel Costs & Net Power Transactions (Line A6 * Line B4 * Line Loss Multiplier)	<u>104,594,254</u>	<u>96,944,061</u>	<u>100,538,108</u>	<u>105,914,761</u>	<u>131,761,056</u>	<u>148,029,915</u>	<u>687,782,155</u>
	6	Over/(Under) Recovery (Line 3 - Line 5)	7,453,809	13,318,014	7,317,450	(9,766,884)	(20,323,648)	(22,551,940)	(24,553,199)
	7	Interest Provision	38,613	41,097	44,882	37,893	25,826	17,633	205,944
	8	TOTAL ESTIMATED TRUE-UP FOR THE PERIOD	<u>7,492,422</u>	<u>13,359,111</u>	<u>7,362,331</u>	<u>(9,728,991)</u>	<u>(20,297,822)</u>	<u>(22,534,307)</u>	<u>(24,347,255)</u>
	9	Plus: Prior Period Balance	116,563,080	116,563,080	116,563,080	116,563,080	116,563,080	116,563,080	116,563,080
	10	Plus: Cumulative True-Up Provision	(6,560,919)	(13,121,839)	(19,682,758)	(30,447,238)	(41,211,719)	(51,976,199)	(51,976,199)
	11	Subtotal Prior Period True-up	110,002,161	103,441,241	96,880,322	86,115,842	75,351,361	64,586,881	64,586,881
	12	Regulatory Accounting Adjustment	0	0	0	0	0	0	-
	13	TOTAL TRUE-UP BALANCE	<u>\$117,494,583</u>	<u>124,292,775</u>	<u>\$125,094,187</u>	<u>\$104,600,716</u>	<u>\$73,538,414</u>	<u>\$40,239,625</u>	<u>\$40,239,625</u>

Duke Energy Florida
 Fuel Adjustment Clause
 Calculation of Actual True-up
 For the Period of January through December 2016

		JUL	AUG	SEPT	OCT	NOV	DEC	12 MONTH	
		ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	PERIOD	
A	1	Fuel Cost of System Generation	\$ 130,690,882	\$ 124,357,000	\$ 117,258,145	\$ 102,445,585	\$ 84,041,112	\$ 92,738,520	\$ 1,192,400,492
	2	Fuel Cost of Power Sold	(5,573,864)	(6,186,455)	(4,742,298)	(2,985,492)	(1,444,445)	(1,914,837)	(36,535,054)
	3	Fuel Cost of Purchased Power	32,682,139	26,161,198	19,611,208	14,971,607	12,429,337	5,168,690	221,111,191
	3a	Demand and Non-Fuel Cost of Purchased Power							0
	3b	Energy Payments to Qualified Facilities	13,090,689	12,684,291	12,209,912	11,464,947	11,583,961	11,063,256	127,934,626
	4	Energy Cost of Economy Purchases	952,789	233,156	522,306	377,192	190,627	236,459	4,740,489
	5	Adjustments to Fuel Cost	(22,155)	(370,860)	89,659	(23,337)	(22,795)	(8,346,867)	(8,798,327)
	6	TOTAL FUEL & NET POWER TRANSACTIONS (Sum of Lines A1 Through A5)	<u>171,820,480</u>	<u>156,878,329</u>	<u>144,948,932</u>	<u>126,250,502</u>	<u>106,777,797</u>	<u>98,945,222</u>	<u>1,500,853,418</u>
B	1	Jurisdictional MWH Sales	3,928,160	4,080,896	3,854,319	3,414,630	3,126,012	2,687,661	38,773,960
	2	Non-Jurisdictional MWH Sales	36,213	34,839	101,354	35,800	22,815	19,178	449,530
	3	TOTAL SALES (Lines B1 + B2)	<u>3,964,373</u>	<u>4,115,735</u>	<u>3,955,673</u>	<u>3,450,430</u>	<u>3,148,826</u>	<u>2,706,839</u>	<u>39,223,490</u>
	4	Jurisdictional % of Total Sales (Line B1/B3)	99.09%	99.15%	97.44%	98.96%	99.28%	99.29%	98.85%
C	1	Jurisdictional Fuel Recovery Revenue (Net of Revenue Taxes)	119,277,797	123,728,503	116,196,785	101,851,670	91,320,457	79,618,990	1,203,940,060
	1a	RRSSA Refund - \$60M	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	60,000,000
	1b	RRSSA Fuel Adjustment	0	0	0	0	0	0	-
	1c	RRSSA Refund - \$10M	833,333	833,333	833,333	833,333	833,333	833,333	10,000,000
	2	True-Up Provision	10,764,480	10,764,480	10,764,480	10,764,480	10,764,480	10,790,297	116,588,898
	2a	Incentive Provision	717,816	717,816	717,816	717,816	717,816	717,816	8,613,797
	3	FUEL REVENUE APPLICABLE TO PERIOD (Sum of Lines C1 Through C2a)	<u>136,593,427</u>	<u>141,044,133</u>	<u>133,512,416</u>	<u>119,167,300</u>	<u>108,636,088</u>	<u>96,960,436</u>	<u>1,399,142,755</u>
	4	Fuel & Net Power Transactions (Line A6)	171,820,480	156,878,329	144,948,932	126,250,502	106,777,797	98,945,222	1,500,853,418
	5	Jurisdictional Total Fuel Costs & Net Power Transactions (Line A6 * Line B4 * Line Loss Multiplier)	<u>170,325,016</u>	<u>155,607,081</u>	<u>141,294,734</u>	<u>124,987,472</u>	<u>106,051,400</u>	<u>98,282,008</u>	<u>1,484,329,867</u>
	6	Over/(Under) Recovery (Line 3 - Line 5)	(33,731,590)	(14,562,948)	(7,782,319)	(5,820,172)	2,584,687	(1,321,571)	(85,187,113)
	7	Interest Provision	6,117	(5,920)	(14,766)	(22,575)	(27,537)	(39,508)	101,757
	8	TOTAL ESTIMATED TRUE-UP FOR THE PERIOD	<u>(33,725,473)</u>	<u>(14,568,868)</u>	<u>(7,797,085)</u>	<u>(5,842,747)</u>	<u>2,557,150</u>	<u>(1,361,079)</u>	<u>(85,085,356)</u>
	9	Plus: Prior Period Balance	116,563,080	116,563,080	116,563,080	116,563,080	116,563,080	116,563,080	116,563,080
	10	Plus: Cumulative True-Up Provision	(62,740,679)	(73,505,160)	(84,269,640)	(95,034,120)	(105,798,601)	(116,588,898)	(116,588,898)
	11	Subtotal Prior Period True-up	53,822,401	43,057,920	32,293,440	21,528,960	10,764,479	(25,818)	(25,818)
	12	Regulatory Accounting Adjustment	0	0	0	0	0	0	-
	13	TOTAL TRUE-UP BALANCE	<u>(\$4,250,328)</u>	<u>(\$29,583,677)</u>	<u>(\$48,145,241)</u>	<u>(\$64,752,469)</u>	<u>(\$72,959,799)</u>	<u>(\$85,111,174)</u>	<u>(\$85,111,174)</u>

Docket No. 170001-EI

Witness: Menendez

Exhibit No. (CAM-1T)

Sheet 4 of 7

Duke Energy Florida
 Fuel Adjustment Clause
 Calculation of 2016 Actual/Estimated True-up
 For the Period of January through December 2016 (Filed August 4, 2016)

		JAN	FEB	MAR	APR	MAY	JUN	6 MONTH SUB-	
		ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	TOTAL	
A	1	Fuel Cost of System Generation	\$ 94,981,804	\$ 83,413,721	\$ 78,345,839	\$ 82,817,723	\$ 90,802,680	\$ 110,507,482	\$ 540,869,249
	2	Fuel Cost of Power Sold	(2,691,656)	(1,345,614)	(1,423,831)	(2,132,788)	(1,895,385)	(4,198,390)	(13,687,665)
	3	Fuel Cost of Purchased Power	4,937,035	6,217,173	14,421,739	20,084,233	32,818,134	31,608,698	110,087,011
	3a	Demand and Non-Fuel Cost of Purchased Power							0
	3b	Energy Payments to Qualified Facilities	8,284,310	9,432,944	9,730,163	7,658,173	10,499,028	10,232,952	55,837,571
	4	Energy Cost of Economy Purchases	216,014	(55,757)	265,606	390,715	406,645	1,004,737	2,227,961
	5	Adjustments to Fuel Cost	(24,885)	(26,759)	(31,140)	(30,128)	32,448	(21,508)	(101,972)
	6	TOTAL FUEL & NET POWER TRANSACTIONS	<u>105,702,622</u>	<u>97,635,708</u>	<u>101,308,376</u>	<u>108,787,927</u>	<u>132,663,550</u>	<u>149,133,972</u>	<u>695,232,155</u>
		(Sum of Lines A1 Through A5)							
B	1	Jurisdictional MWH Sales	2,772,355	2,712,018	2,687,916	2,710,583	3,189,901	3,609,509	17,682,282
	2	Non-Jurisdictional MWH Sales	30,873	20,634	21,753	74,556	23,060	28,457	199,333
	3	TOTAL SALES (Lines B1 + B2)	<u>2,803,228</u>	<u>2,732,653</u>	<u>2,709,669</u>	<u>2,785,139</u>	<u>3,212,961</u>	<u>3,637,966</u>	<u>17,881,616</u>
	4	Jurisdictional % of Total Sales (Line B1/B3)	98.90%	99.24%	99.20%	97.32%	99.28%	99.22%	98.89%
C	1	Jurisdictional Fuel Recovery Revenue (Net of Revenue Taxes)	98,935,994	97,150,007	94,743,489	78,832,246	94,121,778	108,162,345	571,945,858
	1a	RRSSA Refund - \$60M	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	30,000,000
	1b	RRSSA Fuel Adjustment	-	-	-	-	-	-	-
	1c	RRSSA Refund - \$10M	833,333	833,333	833,333	833,333	833,333	833,333	5,000,000
	2	True-Up Provision	6,560,919	6,560,919	6,560,919	10,764,480	10,764,480	10,764,480	51,976,199
	2a	Incentive Provision	717,816	717,816	717,816	717,816	717,816	717,816	4,306,896
	3	FUEL REVENUE APPLICABLE TO PERIOD	<u>112,048,062</u>	<u>110,262,076</u>	<u>107,855,558</u>	<u>96,147,876</u>	<u>111,437,408</u>	<u>125,477,974</u>	<u>663,228,953</u>
		(Sum of Lines C1 Through C2a)							
	4	Fuel & Net Power Transactions (Line A6)	105,702,622	97,635,708	101,308,376	108,787,927	132,663,550	149,133,972	695,232,155
	5	Jurisdictional Total Fuel Costs & Net Power Transactions (Line A6 * Line B4 * Line Loss Multiplier)	<u>104,594,254</u>	<u>96,944,061</u>	<u>100,538,108</u>	<u>105,914,760</u>	<u>131,761,056</u>	<u>148,029,915</u>	<u>687,782,154</u>
	6	Over/(Under) Recovery (Line 3 - Line 5)	7,453,809	13,318,014	7,317,449	(9,766,884)	(20,323,648)	(22,551,941)	(24,553,200)
	7	Interest Provision	38,614	41,097	44,882	37,893	25,826	17,633	205,945
	8	TOTAL ESTIMATED TRUE-UP FOR THE PERIOD	<u>7,492,423</u>	<u>13,359,111</u>	<u>7,362,331</u>	<u>(9,728,990)</u>	<u>(20,297,822)</u>	<u>(22,534,308)</u>	<u>(24,347,255)</u>
	9	Plus: Prior Period Balance	116,563,080	116,563,080	116,563,080	116,563,080	116,563,080	116,563,080	116,563,080
	10	Plus: Cumulative True-Up Provision	(6,560,919)	(13,121,839)	(19,682,758)	(30,447,238)	(41,211,719)	(51,976,199)	(51,976,199)
	11	Subtotal Prior Period True-up	110,002,161	103,441,241	96,880,322	86,115,842	75,351,361	64,586,881	64,586,881
	12	Regulatory Accounting Adjustment	0	0	0	0	0	0	-
	13	TOTAL TRUE-UP BALANCE	<u>\$117,494,583</u>	<u>\$124,292,775</u>	<u>\$125,094,187</u>	<u>\$104,600,716</u>	<u>\$73,538,414</u>	<u>\$40,239,625</u>	<u>\$40,239,625</u>

Duke Energy Florida
 Fuel Adjustment Clause
 Calculation of 2016 Actual/Estimated True-up
 For the Period of January through December 2016 (Filed August 4, 2016)

		JUL	AUG	SEPT	OCT	NOV	DEC	12 MONTH
		ESTIMATED	ESTIMATED	ESTIMATED	ESTIMATED	ESTIMATED	ESTIMATED	PERIOD
A	1	Fuel Cost of System Generation	\$ 104,953,817	\$ 107,346,359	\$ 104,419,313	\$ 98,063,519	\$ 83,543,398	\$ 1,131,663,607
	2	Fuel Cost of Power Sold	(2,540,491)	(2,584,887)	(2,111,545)	(1,805,691)	(1,698,236)	(25,950,865)
	3	Fuel Cost of Purchased Power	20,235,740	20,086,620	17,363,635	11,608,789	7,945,939	191,602,712
	3a	Demand and Non-Fuel Cost of Purchased Power	0	0	0	0	0	0
	3b	Energy Payments to Qualified Facilities	11,644,372	11,687,183	10,720,507	9,892,299	11,332,121	123,122,350
	4	Energy Cost of Economy Purchases	285,457	315,966	252,602	470,078	268,909	4,283,329
	5	Adjustments to Fuel Cost	(4,357,619)	(20,508)	(18,630)	(16,142)	2,316	(4,524,968)
	6	TOTAL FUEL & NET POWER TRANSACTIONS	130,221,276	136,830,734	130,625,882	118,212,851	101,749,050	1,420,196,164
		(Sum of Lines A1 Through A5)						
B	1	Jurisdictional MWH Sales	3,746,390	3,802,397	3,818,043	3,520,143	2,939,053	38,350,239
	2	Non-Jurisdictional MWH Sales	22,211	24,219	21,223	18,003	12,892	315,264
	3	TOTAL SALES (Lines B1 + B2)	3,768,601	3,826,616	3,839,266	3,538,146	2,951,945	38,665,503
	4	Jurisdictional % of Total Sales (Line B1/B3)	99.41%	99.37%	99.45%	99.49%	99.56%	99.18%
C	1	Jurisdictional Fuel Recovery Revenue (Net of Revenue Taxes)	111,627,849	113,309,102	113,778,746	104,836,277	87,392,895	1,187,368,166
	1a	RRSSA Refund - \$60M	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	60,000,000
	1b	RRSSA Fuel Adjustment	-	-	-	-	-	-
	1c	RRSSA Refund - \$10M	833,333	833,333	833,333	833,333	833,333	10,000,000
	2	True-Up Provision	10,764,480	10,764,480	10,764,480	10,764,480	10,790,295	116,588,896
	2a	Incentive Provision	717,816	717,816	717,816	717,816	717,821	8,613,797
	3	FUEL REVENUE APPLICABLE TO PERIOD	128,943,479	130,624,732	131,094,376	122,151,906	104,708,525	1,382,570,859
		(Sum of Lines C1 Through C2a)						
	4	Fuel & Net Power Transactions (Line A6)	130,221,276	136,830,734	130,625,882	118,212,851	101,749,050	1,420,196,164
	5	Jurisdictional Total Fuel Costs & Net Power Transactions (Line A6 * Line B4 * Line Loss Multiplier)	129,504,751	136,023,087	129,959,403	117,657,009	101,341,875	1,408,980,487
	6	Over/(Under) Recovery (Line 3 - Line 5)	(561,273)	(5,398,356)	1,134,973	4,494,897	3,366,650	(26,409,628)
	7	Interest Provision	10,719	6,461	2,466	2	(2,116)	217,781
	8	TOTAL ESTIMATED TRUE-UP FOR THE PERIOD	(550,554)	(5,391,894)	1,137,438	4,494,899	3,364,533	(26,191,848)
	9	Plus: Prior Period Balance	116,563,080	116,563,080	116,563,080	116,563,080	116,563,080	116,563,080
	10	Plus: Cumulative True-Up Provision	(62,740,679)	(73,505,160)	(84,269,640)	(95,034,120)	(105,798,601)	(116,588,896)
	11	Subtotal Prior Period True-up	53,822,401	43,057,920	32,293,440	21,528,960	10,764,479	(25,816)
	12	Regulatory Accounting Adjustment	0	0	0	0	0	-
	13	TOTAL TRUE-UP BALANCE	\$28,924,590	\$12,768,216	\$3,141,174	(\$3,128,408)	(\$10,528,355)	(\$26,217,664)

Duke Energy Florida
 Fuel Adjustment Clause
 Fuel and Net Power Cost Variance Analysis
 January through December 2016

(A) Energy Source	(B) MWH Variances	(C) Heat Rate Variances	(D) Price Variances	(E) Total
1 Heavy Oil	0	0	0	0
2 Light Oil **	156,594,535	(138,935,020)	(3,164,261)	14,495,254
3 Coal	(10,375,909)	380,590	24,424,120	14,428,801
4 Gas	(9,563,290)	63,405,044	(42,419,887)	11,421,866
5 Nuclear	0	0	0	0
6 Other Fuel	0	0	0	0
7 Total Generation	<u>136,655,335</u>	<u>(75,149,386)</u>	<u>(21,160,028)</u>	<u>40,345,921</u>
8 Firm Purchases	74,296,204	0	5,204,562	79,500,766
9 Economy Purchases	862,469	0	(211,967)	650,502
10 Schedule E Purchases	0	0	0	0
11 Qualifying Facilities	<u>(13,667,501)</u>	<u>0</u>	<u>(1,307,164)</u>	<u>(14,974,666)</u>
12 Total Purchases	<u>61,491,172</u>	<u>0</u>	<u>3,685,431</u>	<u>65,176,602</u>
13 Economy Sales	0	0	0	0
14 Other Power Sales	2,534,943	0	(651,564)	1,883,378
15 Supplemental Sales	<u>(11,629,434)</u>	<u>0</u>	<u>(298,586)</u>	<u>(11,928,020)</u>
16 Total Sales	<u>(9,094,491)</u>	<u>0</u>	<u>(950,150)</u>	<u>(10,044,642)</u>
17 Nuclear Fuel Disposal Cost	0	0	0	0
18 Nuclear Decom & Decon	0	0	0	0
Other Jurisdictional Adjustments:				
19a RRSSA Refunds & Adjustments	0	0	0	0
19b Sch A2 Page 1 of 2 Line 6b, RRSSA	0	0	10,060,702	10,060,702
19c Sch A2 Page 1 of 2 Line 6b, excl RRSSA	0	0	(8,325,475)	(8,325,475)
19d Sch A2 Page 1 of 2 Line 1c, Coal Car Sale	<u>0</u>	<u>0</u>	<u>(347,958)</u>	<u>(347,958)</u>
20 Total Fuel and Net Power Cost Variance	<u><u>189,052,015</u></u>	<u><u>(75,149,386)</u></u>	<u><u>(17,037,478)</u></u>	<u><u>96,865,151</u></u>

** The magnitude of the offsetting MWH and Heat Rate variances is driven by actual oil peaker generation as compared to the projection, which attributed the majority of light oil usage to startup activities. Total 2016 Light Oil expense was \$18.5 million.

Duke Energy Florida
 Summary of Revised and Restated Settlement Agreement (RRSSA) Adjustments
 For the Period of January through December 2016

Retail:

	Actual Jan-16	Actual Feb-16	Actual Mar-16	Actual Apr-16	Actual May-16	Actual Jun-16	Actual Jul-16	Actual Aug-16	Actual Sep-16	Actual Oct-16	Actual Nov-16	Actual Dec-16	12 Month Period	Schedule Reference	RRSSA Paragraph
1 RRSSA Refund (\$60 million)	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$60,000,000	CAM-1T Sheets 2&3, line C1a	6.b.
2 RRSSA Refund (\$10 million)	833,333	833,333	833,333	833,333	833,333	833,333	833,333	833,333	833,333	833,333	833,333	833,333	10,000,000	CAM-1T Sheets 2&3, line C1c	6.a.
3 Total RRSSA Refunds (Lines 2 + 3)	\$5,833,333	\$5,833,333	\$5,833,333	\$5,833,333	\$5,833,333	\$5,833,333	\$5,833,333	\$5,833,333	\$5,833,333	\$5,833,333	\$5,833,333	\$5,833,333	\$70,000,000		

Duke Energy Florida
 Capacity Cost Recovery Clause
 Summary of Actual True-Up Amount
 January through December 2016

Line No.	Description	Actual	Original Estimate	Variance
Jurisdictional:				
1	Capacity Cost Recovery Revenues Sheet 2 of 3, Line 39	\$ 454,227,363	\$ 444,786,645	\$ 9,440,718
2	Capacity Cost Recovery Expenses Sheet 2 of 3, Line 35	437,267,123	444,786,645	(7,519,522)
3	Plus/(Minus) Interest Provision Sheet 2 of 3, Line 42	<u>(91,950)</u>	<u>-</u>	<u>(91,950)</u>
4	Sub Total Current Period Over/(Under) Recovery Sheet 2 of 3, Line 43	\$ 16,868,290	\$ -	\$ 16,868,290
5	Prior Period True-up - January through December 2015 - Over/(Under) Recovery Sheet 2 of 3, Line 44	(35,762,070)	(35,762,070)	(0)
6	Prior Period True-up - January through December 2015 - (Refunded)/Collected Sheet 2 of 3, Line 45	<u>35,762,070</u>	<u>35,762,070</u>	<u>-</u>
7	Actual True-up ending balance Over/(Under) recovery for the period January through December 2016 Sheet 2 of 3, Line 48	\$ 16,868,290	\$ -	\$ 16,868,290
8	Estimated True-up ending balance for the period included in the filing of Levelized Fuel Cost Factors January through December 2016 Docket No. 160001-EI. (Sheet 3 of 3, Line 44)	14,665,232		
9	Total Over/(Under) Recovery for the period January through December 2016 (Line 7 - Line 8)	<u><u>2,203,058</u></u>		

Duke Energy Florida
 Capacity Cost Recovery Clause
 Calculation of Actual True-Up
 January Through December 2016

	JAN ACTUAL	FEB ACTUAL	MAR ACTUAL	APR ACTUAL	MAY ACTUAL	JUN ACTUAL	JUL ACTUAL	AUG ACTUAL	SEPT ACTUAL	OCT ACTUAL	NOV ACTUAL	DEC ACTUAL	Total
1 Base Production Level Capacity Costs													
2 Lake County (LAKCOUNT)	0	0	0	0	0	0	0	0	0	(822,248)	0	0	(822,248)
3 Orange Cogen (ORANGEAS)	3,266,545	4,826,219	4,826,219	4,826,219	4,826,219	4,826,219	4,826,219	4,826,219	4,826,219	6,543,951	4,826,219	4,826,219	58,072,687
4 Orlando Cogen Limited (ORLACOGL)	13,409,604	4,854,074	4,854,074	4,854,074	4,854,074	4,854,074	4,854,074	4,854,074	4,854,074	5,313,070	4,854,074	4,854,074	67,263,413
5 Pasco County Resource Recovery (PASCOUNT)	1,577,570	1,677,850	1,677,850	1,677,850	1,677,850	1,677,850	1,677,850	1,677,850	1,677,850	1,872,430	1,677,850	1,677,850	20,228,500
6 Pinellas County Resource Recovery (PINCOUNT)	3,755,303	3,994,013	3,994,013	3,994,013	3,994,013	3,994,013	3,994,013	3,994,013	3,994,013	4,457,198	3,994,013	3,994,013	48,152,625
7 Polk Power Partners, L.P. (MULBERRY)	6,306,018	6,627,741	6,627,741	6,627,741	6,627,741	6,627,741	6,627,741	6,261,481	6,273,652	6,943,340	6,346,862	6,372,670	78,270,469
8 Wheelabrator Ridge Energy, Inc. (RIDGEGEN)	603,090	584,735	575,947	555,284	532,520	498,053	349,980	562,274	564,062	140,112	620,552	651,857	6,238,466
9 Calpine Osprey													
10 Southern - Scherer	2,149,228	1,826,729	1,773,417	1,774,164	1,775,120	276,573	(144,661)	0	0	5,117	0	0	9,435,688
11 Subtotal - Base Level Capacity Costs													
12 Base Production Jurisdictional Responsibility	92.885%	92.885%	92.885%	92.885%	92.885%	92.885%	92.885%	92.885%	92.885%	92.885%	92.885%	92.885%	
13 Base Level Jurisdictional Capacity Costs													
14 Intermediate Production Level Capacity Costs													
15 Southern - Franklin	3,201,566	3,298,621	3,206,417	3,469,625	3,102,253	5,095,516	5,416,928	6,112,437	4,498,362	2,638,254	2,595,887	3,408,509	46,044,375
16 Schedule H Capacity Sales-City of Tallahassee	0	0	0	0	0	0	0	0	(156,866)	0	0	0	(156,866)
17 Subtotal - Intermediate Level Capacity Costs	3,201,566	3,298,621	3,206,417	3,469,625	3,102,253	5,095,516	5,416,928	6,112,437	4,341,496	2,638,254	2,595,887	3,408,509	46,044,375
18 Intermediate Production Jurisdictional Responsibility	72.703%	72.703%	72.703%	72.703%	72.703%	72.703%	72.703%	72.703%	72.703%	72.703%	72.703%	72.703%	
19 Intermediate Level Jurisdictional Capacity Costs	2,327,635	2,398,196	2,331,161	2,522,522	2,255,431	3,704,593	3,938,269	4,443,925	3,156,398	1,918,090	1,887,287	2,478,088	33,361,595
20 Peaking Production Level Capacity Costs													
21 Vandolah Capacity - Northern Star	2,888,436	2,892,622	2,035,755	1,947,188	2,800,279	5,784,009	5,760,132	5,717,176	2,702,782	1,921,383	2,012,074	2,943,834	39,405,670
22 Shady Hills Power Company LLC	1,410,667	1,671,610	1,406,700	1,366,200	1,886,760	3,855,600	3,855,600	3,855,600	1,799,280	1,355,400	1,355,400	1,954,260	25,773,077
23 Subtotal -Peaking Level Capacity Charges	4,299,103	4,564,232	3,442,455	3,313,388	4,687,039	9,639,609.36	9,615,732	9,572,776	4,502,062	3,276,783	3,367,474	4,898,094	65,178,746
24 Peaking Production Jurisdictional Responsibility	95.924%	95.924%	95.924%	95.924%	95.924%	95.924%	95.924%	95.924%	95.924%	95.924%	95.924%	95.924%	
25 Peaking Level Jurisdictional Capacity Charges	4,123,872	4,378,193	3,302,140	3,178,334	4,495,995	9,246,699	9,223,795	9,182,590	4,318,557	3,143,221	3,230,216	4,698,448	62,522,060
26 Other Capacity Costs													
27 Retail Wheeling	(33,737)	(1,790)	(6,527)	(149,519)	(1,545)	0	(510)	(7,979)	(58,345)	(27,013)	(4,686)	(18,640)	(310,291)
28 Batch 19 Nuclear Fuel ¹													
29 Total Other Capacity Charges	(33,737)	(1,790)	(6,527)	(149,519)	(1,545)	0	(510)	(7,979)	(58,345)	(27,013)	(4,686)	(18,640)	(310,291)
30 Subtotal Jurisdictional Capacity Charges (Lines 13+19+25+29)	36,845,611	31,001,440	29,795,934	29,701,997	30,880,285	35,657,755	35,339,217	35,787,556	29,598,595	29,318,366	27,415,274	29,455,345	380,797,375
31 Nuclear Cost Recovery Clause Costs:													
32 CR-3 Uprate Costs	4,861,279	4,833,013	4,804,746	4,776,479	4,748,212	4,719,946	4,691,679	4,663,412	4,635,145	4,606,878	4,578,612	4,550,345	56,469,745
33 Total NCRC Costs - Order No. PSC-15-0521-FOF-EI	4,861,279	4,833,013	4,804,746	4,776,479	4,748,212	4,719,946	4,691,679	4,663,412	4,635,145	4,606,878	4,578,612	4,550,345	56,469,745
34													
35 Total Jurisdictional Capacity Charges (Line 30 + Line 33)	41,706,890	35,834,453	34,600,679	34,478,476	35,628,498	40,377,701	40,030,896	40,450,969	34,233,741	33,925,244	31,993,886	34,005,690	437,267,123
36 Capacity Revenues:													
37 Capacity Cost Recovery Revenues (net of tax)	33,281,758	33,857,575	32,975,595	34,435,237	40,699,538	46,120,530	50,789,514	51,868,532	49,085,141	43,577,543	39,853,361	33,445,110	489,989,434
38 Prior Period True-Up Provision Over/(Under) Recovery	(3,220,271)	(3,220,271)	(3,220,271)	(2,900,148)	(2,900,140)	(2,900,140)	(2,900,140)	(2,900,140)	(2,900,140)	(2,900,140)	(2,900,140)	(2,900,128)	(35,762,071)
39 Current Period CCR Revenues (net of tax)	30,061,487	30,637,304	29,755,324	31,535,089	37,799,398	43,220,390	47,889,374	48,968,392	46,185,001	40,677,403	36,953,221	30,544,982	454,227,363
40 True-Up Provision - Current Year (Acct 1823203/2543203)													
41 True-Up Provision - Over/(Under) Recov (Line 39 - Line 35)	(11,645,403)	(5,197,149)	(4,845,356)	(2,943,388)	2,170,900	2,842,689	7,858,478	8,517,423	11,951,260	6,752,159	4,959,335	(3,460,707)	16,960,240
42 Interest Provision for the Month	(13,312)	(15,364)	(16,922)	(15,793)	(13,154)	(12,389)	(10,787)	(7,227)	(2,858)	1,891	5,394	8,570	(91,950)
43 Total current month over/(under) recovery (Acct 4560097,5572001)	(11,658,715)	(16,871,228)	(21,733,506)	(24,692,686)	(22,534,940)	(19,704,640)	(11,856,949)	(3,346,753)	8,601,649	15,355,699	20,320,428	16,868,291	16,868,291
44 Prior Year True-Up & Interest Prov. (Begin Bal)-Over/(Under)	(35,762,070)	(32,541,799)	(29,321,528)	(26,101,256)	(23,201,108)	(20,300,968)	(17,400,828)	(14,500,688)	(11,600,548)	(8,700,408)	(5,800,268)	(2,900,128)	(35,762,070)
45 Prior Year True-Up Collected/(Refunded)	3,220,271	3,220,271	3,220,271	2,900,148	2,900,140	2,900,140	2,900,140	2,900,140	2,900,140	2,900,140	2,900,140	2,900,128	35,762,070
46 Prior Year True-Up & Interest Provision End Bal - (DR)/CR	(32,541,799)	(29,321,528)	(26,101,256)	(23,201,108)	(20,300,968)	(17,400,828)	(14,500,688)	(11,600,548)	(8,700,408)	(5,800,268)	(2,900,128)	(0)	(0)
47													
48 Net Capacity True-up Over/(Under) (Lines 43 + Line 46)	(\$44,200,514)	(\$46,192,755)	(\$47,834,762)	(\$47,893,794)	(\$42,835,908)	(\$37,105,468)	(\$26,357,637)	(\$14,947,301)	(\$98,759)	\$9,555,431	\$17,420,300	\$16,868,291	\$16,868,291

¹ Approved in Commission Order No. PSC-15-0465-S-EI

Duke Energy Florida
 Capacity Cost Recovery Clause
 Calculation of Actual/Estimated True-Up
 January- December 2016 (Filed August 4, 2016)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	Total
	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ESTIMATED	ESTIMATED	ESTIMATED	ESTIMATED	ESTIMATED	ESTIMATED	
1 Base Production Level Capacity Costs													
2 Orange Cogen (ORANGE CO)	3,266,545	4,826,219	4,826,219	4,826,219	4,826,219	4,826,219	4,826,219	4,826,219	4,826,219	4,826,219	4,826,219	4,826,219	56,354,954
3 Orlando Cogen Limited (ORLACOGL)	13,409,604	4,854,074	4,854,074	4,854,074	4,854,074	4,854,074	4,854,074	4,854,074	4,854,074	4,854,074	4,854,074	4,854,074	66,804,417
4 Pasco County Resource Recovery (PASCOUNT)	1,577,570	1,677,850	1,677,850	1,677,850	1,677,850	1,677,850	1,677,850	1,677,850	1,677,850	1,677,850	1,677,850	1,677,850	20,033,920
5 Pinellas County Resource Recovery (PINCOUNT)	3,755,303	3,994,013	3,994,013	3,994,013	3,994,013	3,994,013	3,994,013	3,994,013	3,994,013	3,994,013	3,994,013	3,994,013	47,689,443
6 Po k Power Partners, L.P. (MULBERRY/ROYSTER)	6,306,018	6,627,741	6,627,741	6,627,741	6,627,741	6,627,741	6,627,741	6,627,741	6,627,741	6,627,741	6,627,741	6,627,741	79,211,169
7 Wheelabrator Ridge Energy, Inc. (RIDGEGEN)	603,090	584,735	575,947	555,284	532,520	498,053	800,946	800,946	800,946	800,946	800,946	800,946	8,155,306
8 Calpine Osprey													
9 Southern - Scherer	2,149,228	1,826,729	1,773,417	1,774,164	1,775,120	276,573	-	-	-	-	-	-	9,575,232
10 Subtotal - Base Level Capacity Costs													
11 Base Production Jurisdictional Responsibility	92.885%	92.885%	92.885%	92.885%	92.885%	92.885%	92.885%	92.885%	92.885%	92.885%	92.885%	92.885%	
12 Base Level Jurisdictional Capacity Costs													
13 Intermediate Production Level Capacity Costs													
14 Southern - Franklin	3,201,566	3,298,621	3,206,417	3,469,625	3,102,253	5,095,516	3,977,920	3,977,920	3,977,920	3,977,920	3,977,920	3,977,920	45,241,518
15 Subtotal - Intermediate Level Capacity Costs	3,201,566	3,298,621	3,206,417	3,469,625	3,102,253	5,095,516	3,977,920	3,977,920	3,977,920	3,977,920	3,977,920	3,977,920	45,241,518
16 Intermediate Production Jurisdictional Responsibility	72.703%	72.703%	72.703%	72.703%	72.703%	72.703%	72.703%	72.703%	72.703%	72.703%	72.703%	72.703%	
17 Intermediate Level Jurisdictional Capacity Costs	2,327,635	2,398,196	2,331,161	2,522,522	2,255,431	3,704,593	2,892,067	2,892,067	2,892,067	2,892,067	2,892,067	2,892,067	32,891,941
18 Peaking Production Level Capacity Costs													
19 Shady Hills Power Company LLC	1,410,667	1,671,610	1,406,700	1,366,200	1,886,760	3,855,600	3,887,109	3,887,109	1,813,983	1,365,741	1,365,741	1,970,868	25,888,088
20 Vandolah (NSG)	2,888,436	2,892,622	2,035,755	1,947,188	2,800,279	5,784,009	5,548,960	5,504,412	2,634,348	1,940,500	1,985,048	2,792,868	38,754,425
21 Subtotal -Peaking Level Capacity Charges	4,299,103	4,564,232	3,442,455	3,313,388	4,687,039	9,639,609	9,436,069	9,391,521	4,448,331	3,306,241	3,350,789	4,763,736	64,642,513
22 Peaking Production Jurisdictional Responsibility	95.924%	95.924%	95.924%	95.924%	95.924%	95.924%	95.924%	95.924%	95.924%	95.924%	95.924%	95.924%	
23 Peaking Level Jurisdictional Capacity Charges	4,123,872	4,378,193	3,302,140	3,178,334	4,495,995	9,246,699	9,051,455	9,008,723	4,267,017	3,171,479	3,214,211	4,569,566	62,007,684
24 Other Capacity Costs													
25 Retail Wheeling	(33,737)	(1,790)	(6,527)	(149,519)	(1,545)	-	(10,552)	(9,520)	(3,987)	(3,672)	(13,683)	(6,532)	(241,063)
26 Batch 19 Nuclear Fuel ¹													
27 Total Other Capacity Charges													
28 Subtotal Jurisdictional Capacity Charges (Lines 12+17+23+27)	36,845,611	31,001,441	29,795,934	29,701,997	30,880,285	35,657,755	34,628,864	34,587,164	29,850,991	28,755,768	28,788,489	30,092,937	380,587,236
29 Nuclear Cost Recovery Clause Costs:													
30 CR-3 Uprate Costs	4,861,279	4,833,013	4,804,746	4,776,479	4,748,212	4,719,946	4,691,679	4,663,412	4,635,145	4,606,878	4,578,612	4,550,345	56,469,745
31 Total NCR Costs - Order No. PSC-15-0521-FOF-EI	4,861,279	4,833,013	4,804,746	4,776,479	4,748,212	4,719,946	4,691,679	4,663,412	4,635,145	4,606,878	4,578,612	4,550,345	56,469,745
32 Total Jurisdictional Capacity Charges (Line 28 + Line 31)	41,706,890	35,834,453	34,600,680	34,478,476	35,628,497	40,377,701	39,320,542	39,250,575	34,486,136	33,362,646	33,367,101	34,643,282	437,056,981
33 Capacity Revenues:													
34 Capacity Cost Recovery Revenues (net of tax)	33,281,758	33,857,575	32,975,595	34,435,237	40,699,538	46,120,530	48,253,503	48,974,879	49,176,389	45,339,440	37,855,002	36,604,066	487,573,513
35 Prior Period True-Up Provision Over/(Under) Recovery	(3,220,271)	(3,220,271)	(3,220,271)	(2,900,148)	(2,900,139)	(2,900,139)	(2,900,139)	(2,900,139)	(2,900,139)	(2,900,139)	(2,900,139)	(2,900,135)	(35,762,070)
36 Current Period CCR Revenues (net of tax)	30,061,487	30,637,304	29,755,324	31,535,089	37,799,399	43,220,391	45,353,364	46,074,740	46,276,250	42,439,301	34,954,863	33,703,931	451,811,442
37 True-Up Provision													
38 True-Up Provision - Over/(Under) Recov (Line 36 - Line 32)	(11,645,403)	(5,197,150)	(4,845,356)	(2,943,388)	2,170,902	2,842,690	6,032,821	6,824,164	11,790,113	9,076,655	1,587,762	(939,349)	14,754,461
39 Interest Provision for the Month	(13,312)	(15,364)	(16,922)	(15,793)	(13,154)	(12,389)	(4,367)	(2,860)	(584)	1,273	1,969	2,274	(89,229)
40 Current Cycle Balance - Over/(Under)	(11,658,715)	(16,871,229)	(21,733,507)	(24,692,687)	(22,534,939)	(19,704,638)	(13,676,184)	(6,854,880)	4,934,649	14,012,577	15,602,308	14,665,232	14,665,232
41 Prior Period Balance - Over/(Under) Recovered	(35,762,070)	(35,762,070)	(35,762,070)	(35,762,070)	(35,762,070)	(35,762,070)	(35,762,070)	(35,762,070)	(35,762,070)	(35,762,070)	(35,762,070)	(35,762,070)	(35,762,070)
42 Prior Period Cumulative True-Up Collected/(Refunded)	3,220,271	6,440,543	9,660,814	12,560,962	15,461,101	18,361,240	21,261,379	24,161,518	27,061,657	29,961,796	32,861,935	35,762,070	35,762,070
43 Prior Period True-up Balance - Over/(Under)	(32,541,799)	(29,321,528)	(26,101,256)	(23,201,108)	(20,300,969)	(17,400,830)	(14,500,691)	(11,600,552)	(8,700,413)	(5,800,274)	(2,900,135)	(0)	(0)
44 Net Capacity True-up Over/(Under) (Lines 40 + Line 43)	(\$44,200,514)	(\$46,192,756)	(\$47,834,763)	(\$47,893,795)	(\$42,835,908)	(\$37,105,468)	(\$28,176,875)	(\$18,455,432)	(\$3,765,764)	\$8,212,303	\$12,702,173	\$14,665,232	\$14,665,232

DUKE ENERGY FLORIDA
FUEL AND PURCHASED POWER

DECEMBER 2016

Docket No. 170001-EI
Witness: Menendez
Exhibit No. (CAM-3T)
Schedule A1-1
Sheet 1 of 9

	\$				MWH				CENTS/KWH			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
1 FUEL COST OF SYSTEM NET GENERATION (SCH A3)	92,738,520	87,603,182	5,135,338	5.9	2,593,252	2,687,704	(94,452)	(3.5)	3.5761	3.2594	0.3167	9.7
2 SPENT NUCLEAR FUEL DISPOSAL COST	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
3 COAL CAR SALE	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
3a NUCLEAR DECOMMISSIONING AND DECONTAMINATION	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 ADJUSTMENTS TO FUEL COST - MISCELLANEOUS	(8,346,867)	(10,408)	(8,336,459)	80,098.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4a ADJUSTMENTS TO FUEL COST - DISPOSAL COST REFUND	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
5 TOTAL COST OF GENERATED POWER	84,391,653	87,592,774	(3,201,121)	(3.7)	2,593,252	2,687,704	(94,452)	(3.5)	3.2543	3.2590	(0.0047)	(0.1)
6 ENERGY COST OF PURCHASED POWER - FIRM (SCH A7)	5,168,690	5,642,790	(474,100)	(8.4)	119,928	155,410	(35,482)	(22.8)	4.3098	3.6309	0.6789	18.7
7 ENERGY COST OF SCH C,X ECONOMY PURCH - BROKER (SCH A9)	-	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
8 ENERGY COST OF ECONOMY PURCH - NON-BROKER (SCH A9)	236,459	311,303	(74,844)	(24.0)	6,476	7,167	(691)	(9.6)	3.6513	4.3439	(0.6926)	(15.9)
9 ENERGY COST OF SCH E PURCHASES (SCH A9)	-	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
10 CAPACITY COST OF ECONOMY PURCHASES (SCH A9)	-	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
11 PAYMENTS TO QUALIFYING FACILITIES (SCH A8)	11,063,256	12,289,466	(1,226,210)	(10.0)	271,948	297,353	(25,405)	(8.5)	4.0682	4.1330	(0.0648)	(1.6)
12 TOTAL COST OF PURCHASED POWER	16,468,406	18,243,559	(1,775,154)	(9.7)	398,352	459,929	(61,578)	(13.4)	4.1341	3.9666	0.1675	4.2
13 TOTAL AVAILABLE MWH					2,991,603	3,147,633	(156,030)	(5.0)				
14 FUEL COST OF ECONOMY SALES (SCH A6)	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
14a GAIN ON ECONOMY SALES - 100% (SCH A6)	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
15 FUEL COST OF OTHER POWER SALES (SCH A6)	(227,428)	(218,578)	(8,850)	4.1	(10,100)	(8,590)	(1,510)	17.6	2.2518	2.5446	(0.2928)	(11.5)
15a GAIN ON OTHER POWER SALES - 100% (SCH A6)	(32,437)	(50,299)	17,862	(35.5)	(10,100)	(8,590)	(1,510)	17.6	0.3212	0.5856	(0.2644)	(45.2)
15b 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
16 FUEL COST OF SEMINOLE BACK-UP SALES (SCH A6)	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
17 FUEL COST OF STRATIFIED SALES	(1,654,971)	(1,436,981)	(217,990)	15.2	(64,700)	(60,171)	(4,529)	7.5	2.5579	2.3882	0.1697	7.1
18 TOTAL FUEL COST AND GAINS ON POWER SALES	(1,914,837)	(1,705,858)	(208,979)	12.3	(74,800)	(68,761)	(6,039)	8.8	2.5599	2.4809	0.0790	3.2
19 NET INADVERTENT AND WHEELED INTERCHANGE					12,790	0	12,790					
20 TOTAL FUEL AND NET POWER TRANSACTIONS	98,945,222	104,130,475	(5,185,254)	(5.0)	2,929,593	3,078,872	(149,279)	(4.9)	3.3774	3.3821	(0.0047)	(0.1)
21 NET UNBILLED	651,139	4,263,480	(3,612,341)	(84.7)	(19,279)	(126,060)	106,781	(84.7)	0.0241	0.1530	(0.1289)	(84.3)
22 COMPANY USE	364,545	405,852	(41,307)	(10.2)	(10,794)	(12,000)	1,206	(10.1)	0.0135	0.0146	(0.0011)	(7.5)
23 T & D LOSSES	6,507,714	5,228,216	1,279,498	24.5	(192,682)	(154,585)	(38,097)	24.6	0.2404	0.1876	0.0528	28.1
24 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	98,945,222	104,130,475	(5,185,254)	(5.0)	2,706,839	2,786,227	(79,388)	(2.9)	3.6554	3.7373	(0.0819)	(2.2)
25 WHOLESALE KWH SALES (EXCLUDING STRATIFIED SALES)	(702,511)	(635,196)	(67,315)	10.6	(19,178)	(17,078)	(2,100)	12.3	3.6631	3.7194	(0.0563)	(1.5)
26 JURISDICTIONAL KWH SALES	98,242,710	103,495,279	(5,252,569)	(5.1)	2,687,661	2,769,149	(81,488)	(2.9)	3.6553	3.7374	(0.0821)	(2.2)
27 JURISDICTIONAL KWH SALES ADJUSTED FOR LINE LOSS - 1.00052	98,282,008	103,549,097	(5,267,089)	(5.1)	2,687,661	2,769,149	(81,488)	(2.9)	3.6568	3.7394	(0.0826)	(2.2)
28 PRIOR PERIOD TRUE-UP	(10,790,297)	(10,764,480)	(25,817)	0.2	2,687,661	2,769,149	(81,488)	(2.9)	(0.4015)	(0.3887)	(0.0128)	3.3
28a MARKET PRICE TRUE-UP	0	0	0	0.0	2,687,661	2,769,149	(81,488)	(2.9)	0.0000	0.0000	0.0000	0.0
28b RECOVERY OF PRIOR PERIOD NUCLEAR REPLACEMENT COST	0	0	0	0.0	2,687,661	2,769,149	(81,488)	(2.9)	0.0000	0.0000	0.0000	0.0
29 TOTAL JURISDICTIONAL FUEL COST	87,491,711	92,784,617	(5,292,906)	(5.7)	2,687,661	2,769,149	(81,488)	(2.9)	3.2553	3.3507	(0.0954)	(2.9)
30 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
31 FUEL COST ADJUSTED FOR TAXES									3.2576	3.3531	(0.0955)	(2.9)
32 GPIF	(717,816)	(717,821)			2,687,661	2,769,149			(0.0267)	(0.0259)	(0.0008)	3.1
33 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									3.231	3.327	(0.096)	(2.9)

*Line 15a. MWH Data for Infomational Purposes Only

DUKE ENERGY FLORIDA
FUEL AND PURCHASED POWER
COST RECOVERY CLAUSE CALCULATION
YEAR TO DATE - DECEMBER 2016

	\$				MWH				CENTS/KWH			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
1 FUEL COST OF SYSTEM NET GENERATION (SCH A3)	1,192,400,492	1,152,054,571	40,345,921	3.5	33,756,279	34,276,249	(519,970)	(1.5)	3.5324	3.3611	0.1713	5.1
2 SPENT NUCLEAR FUEL DISPOSAL COST	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
3 COAL CAR SALE	(347,958)	0	(347,958)	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
3a NUCLEAR DECOMMISSIONING AND DECONTAMINATION	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4 ADJUSTMENTS TO FUEL COST - MISCELLANEOUS	(8,450,370)	(10,185,596)	1,735,227	(17.0)	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
4a ADJUSTMENTS TO FUEL COST - DISPOSAL COST REFUND	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
5 TOTAL COST OF GENERATED POWER	1,183,602,165	1,141,868,975	41,733,190	3.7	33,756,279	34,276,249	(519,970)	(1.5)	3.5063	3.3314	0.1749	5.3
6 ENERGY COST OF PURCHASED POWER - FIRM (SCH A7)	221,111,191	141,610,425	79,500,766	56.1	5,837,422	3,828,691	2,008,731	52.5	3.7878	3.6987	0.0891	2.4
7 ENERGY COST OF SCH C,X ECONOMY PURCH - BROKER (SCH A9)	16,258	0	16,258	0.0	676	0	676	0.0	2.4051	0.0000	2.4051	0.0
8 ENERGY COST OF ECONOMY PURCH - NON-BROKER (SCH A9)	4,724,231	4,089,987	634,244	15.5	101,066	84,024	17,042	20.3	4.6744	4.8677	(0.1933)	(4.0)
9 ENERGY COST OF SCH E PURCHASES (SCH A9)	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
10 CAPACITY COST OF ECONOMY PURCHASES (SCH A9)	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
11 PAYMENTS TO QUALIFYING FACILITIES (SCH A8)	127,934,626	142,909,292	(14,974,666)	(10.5)	3,058,541	3,381,986	(323,445)	(9.6)	4.1829	4.2256	(0.0427)	(1.0)
12 TOTAL COST OF PURCHASED POWER	353,786,307	288,609,704	65,176,602	22.6	8,997,704	7,294,700	1,703,004	23.4	3.9320	3.9564	(0.0244)	(0.6)
13 TOTAL AVAILABLE MWH					42,753,984	41,570,949	1,183,034	2.9				
14 FUEL COST OF ECONOMY SALES (SCH A6)	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
14a GAIN ON ECONOMY SALES - 100% (SCH A6)	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
15 FUEL COST OF OTHER POWER SALES (SCH A6)	(2,601,347)	(4,337,325)	1,735,978	(40.0)	(83,577)	(159,415)	75,838	(47.6)	3.1125	2.7208	0.3917	14.4
15a GAIN ON OTHER POWER SALES - 100% (SCH A6)	(843,842)	(991,243)	147,401	(14.9)	(83,577)	(159,415)	75,838	(47.6)	1.0097	0.6218	0.3879	62.4
15b 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
16 FUEL COST OF SEMINOLE BACK-UP SALES (SCH A6)	0	0	0	0.0	0	0	0	0.0	0.0000	0.0000	0.0000	0.0
17 FUEL COST OF STRATIFIED SALES	(33,089,865)	(21,161,845)	(11,928,020)	56.4	(1,353,951)	(873,772)	(480,179)	55.0	2.4439	2.4219	0.0220	0.9
18 TOTAL FUEL COST AND GAINS ON POWER SALES	(36,535,054)	(26,490,413)	(10,044,641)	37.9	(1,437,528)	(1,033,187)	(404,341)	39.1	2.5415	2.5640	(0.0225)	(0.9)
19 NET INADVERTENT AND WHEELED INTERCHANGE					209,798	0	209,798					
20 TOTAL FUEL AND NET POWER TRANSACTIONS	1,500,853,418	1,403,988,266	96,865,152	6.9	41,526,254	40,537,762	988,492	2.4	3.6142	3.4634	0.1508	4.4
21 NET UNBILLED	(9,285,310)	7,067,788	(16,353,098)	(231.4)	256,910	(187,193)	444,103	(237.2)	(0.0237)	0.0185	(0.0422)	(228.1)
22 COMPANY USE	5,607,798	4,997,224	610,574	12.2	(155,159)	(144,000)	(11,159)	7.8	0.0143	0.0131	0.0012	9.2
23 T & D LOSSES	86,904,611	71,225,391	15,679,220	22.0	(2,404,514)	(2,055,016)	(349,498)	17.0	0.2216	0.1867	0.0349	18.7
24 ADJUSTED SYSTEM KWH SALES (SCH A2 PG 1 OF 2)	1,500,853,418	1,403,988,266	96,865,152	6.9	39,223,491	38,151,553	1,071,938	2.8	3.8264	3.6800	0.1464	4.0
25 WHOLESALE KWH SALES (EXCLUDING STRATIFIED SALES)	(17,141,208)	(8,279,077)	(8,862,130)	107.0	(449,531)	(223,356)	(226,175)	101.3	3.8131	3.7067	0.1064	2.9
26 JURISDICTIONAL KWH SALES	1,483,712,210	1,395,709,188	88,003,022	6.3	38,773,960	37,928,197	845,762	2.2	3.8266	3.6799	0.1467	4.0
27 JURISDICTIONAL KWH SALES ADJUSTED FOR LINE LOSS - 1.00052	1,484,329,867	1,396,434,957	87,894,910	6.3	38,773,960	37,928,197	845,762	2.2	3.8282	3.6818	0.1464	4.0
28 PRIOR PERIOD TRUE-UP	(116,588,898)	(116,563,077)	(25,821)	0.0	38,773,960	37,928,197	845,762	2.2	(0.3007)	(0.3073)	0.0066	(2.2)
28a MARKET PRICE TRUE-UP	0	0	0	0.0	38,773,960	37,928,197	845,762	2.2	0.0000	0.0000	0.0000	0.0
28b RECOVERY OF PRIOR PERIOD NUCLEAR REPLACEMENT COST	0	0	0	0.0	38,773,960	37,928,197	845,762	2.2	0.0000	0.0000	0.0000	0.0
29 TOTAL JURISDICTIONAL FUEL COST	1,367,740,969	1,279,871,880	87,869,089	6.9	38,773,960	37,928,197	845,762	2.2	3.5275	3.3745	0.1530	4.5
30 REVENUE TAX FACTOR									1.00072	1.00072	0.0000	0.0
31 FUEL COST ADJUSTED FOR TAXES									3.5300	3.3769	0.1531	4.5
32 GPIF	(8,613,797)	(8,613,797)			38,773,960	37,928,197			(0.0222)	(0.0227)	0.0005	102.3
33 TOTAL FUEL COST FACTOR ROUNDED TO THE NEAREST .001 CENTS/KWH									3.508	3.354	0.154	4.6

*Line 15a. MWH Data for Infomational Purposes Only

DUKE ENERGY FLORIDA
CALCULATION OF TRUE-UP AND INTEREST PROVISION
DECEMBER 2016

	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	\$92,738,520	87,603,182	\$5,135,338	5.9	\$1,192,400,492	1,152,054,571	\$40,345,921	3.5
1a. NUCLEAR FUEL DISPOSAL COST	0	0	-	0.0	0	0	-	0.0
1b. NUCLEAR DECOMMISSIONING AND DECONTAMINATION	0	0	-	0.0	0	0	-	0.0
1c. COAL CAR SALE	0	0	-	0.0	(347,958)	0	(347,958)	0.0
2 . FUEL COST OF POWER SOLD	(227,428)	(218,578)	(8,850)	4.1	(2,601,347)	(4,337,325)	1,735,978	(40.0)
2a. GAIN ON POWER SALES	(32,437)	(50,299)	17,862	(35.5)	(843,842)	(991,243)	147,401	(14.9)
3 . FUEL COST OF PURCHASED POWER	5,168,690	5,642,790	(474,100)	(8.4)	221,111,191	141,610,425	79,500,766	56.1
3a. ENERGY PAYMENTS TO QUALIFYING FACILITIES	11,063,256	12,289,466	(1,226,210)	(10.0)	127,934,626	142,909,292	(14,974,666)	(10.5)
3b. DEMAND & NON FUEL COST OF PURCH POWER	0	0	-	0.0	0	0	-	0.0
4 . ENERGY COST OF ECONOMY PURCHASES	236,459	311,303	(74,844)	(24.0)	4,740,489	4,089,987	650,502	15.9
5 . TOTAL FUEL & NET POWER TRANSACTIONS	108,947,060	105,577,864	3,369,195	3.2	1,542,393,652	1,435,335,707	107,057,945	7.5
6 . ADJUSTMENTS TO FUEL COST:								
6a. FUEL COST OF STRATIFIED SALES	(1,654,971)	(1,436,981)	(217,990)	15.2	(33,089,865)	(21,161,845)	(11,928,020)	56.4
6b. OTHER- JURISDICTIONAL ADJUSTMENTS (see detail below)	(8,346,867)	(10,408)	(8,336,459)	80,098.0	(8,450,370)	(10,185,596)	1,735,227	(17.0)
6c. OTHER - PRIOR PERIOD ADJUSTMENT	0	0	0	0.0	0	0	0	0.0
7 . ADJUSTED TOTAL FUEL & NET PWR TRNS	\$98,945,222	\$104,130,475	(\$5,185,254)	(5.0)	\$1,500,853,418	\$1,403,988,266	\$96,865,152	6.9

FOOTNOTE: DETAIL OF LINE 6b ABOVE

INSPECTION & FUEL ANALYSIS REPORTS (Wholesale Portion)	\$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	13,630	0	13,630	0
N/A - Not used	0	0	0	0	0	0	0
TANK BOTTOM ADJUSTMENT	(883,417)	0	(883,417)	(889,635)	0	(889,635)	0
AERIAL SURVEY ADJUSTMENT (Coal Pile)	951,639	0	951,639	951,639	0	951,639	0
RRSSA Refund	0	0	0	0	(10,060,702)	10,060,702	0
Interest Amortized for Fuel Refund	(13,605)	(10,408)	(3,197)	(250,741)	(124,894)	(125,848)	0
Gain/Loss on Disposition of Oil	0	0	0	0	0	0	0
N/A - Not used	0	0	0	0	0	0	0
NET METER SETTLEMENT	0	0	0	117,983	0	117,983	0
Hines Outage Replacement Power	(8,402,194)	0	(8,402,194)	(8,402,194)	0	(8,402,194)	0
Derivative Collateral Interest	0	0	0	8,949	0	8,949	0
N/A - Not used	0	0	0	0	0	0	0
SUBTOTAL LINE 6b SHOWN ABOVE	(\$8,346,867)	(\$10,408)	(\$8,336,459)	(\$8,450,370)	(\$10,185,596)	\$1,735,227	

B. KWH SALES								
1 . JURISDICTIONAL SALES	2,687,661,472	2,769,149,000	(81,487,528)	(2.9)	38,773,960,911	37,928,197,316	845,763,595	2.2
2 . NON JURISDICTIONAL (WHOLESALE) SALES	19,177,936	17,078,000	2,099,936	12.3	449,531,293	223,356,000	226,175,293	101.3
3 . TOTAL SALES	2,706,839,408	2,786,227,000	(79,387,592)	(2.9)	39,223,492,204	38,151,553,316	1,071,938,888	2.8
4 . JURISDICTIONAL SALES % OF TOTAL SALES	99.29	99.39	(0.10)	(0.1)	98.85	99.41	(0.56)	(0.6)

DUKE ENERGY FLORIDA
CALCULATION OF TRUE-UP AND INTEREST PROVISION
DECEMBER 2016

	CURRENT MONTH				YEAR TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT
C. TRUE UP CALCULATION								
1. JURISDICTIONAL FUEL REVENUE	\$79,618,990	\$82,269,782	(\$2,650,793)	(3.2)	\$1,203,940,060	\$1,247,246,649	(\$43,306,589)	(3.5)
2. ADJUSTMENTS:	5,000,000	5,000,000	0	0.0	60,000,000	60,000,000	0	0.0
2a. REFUND OF \$30 MILLION PER RRSSA	833,333	833,333	(0)	0.0	10,000,000	10,000,000	(0)	0.0
2b. INCREASE IN RETAIL FUEL RATE PER RRSSA	0	0	0	0.0	0	0	0	0.0
2c. TRUE UP PROVISION	10,790,297	10,764,480	25,817	0.2	116,588,898	116,563,077	25,821	0.0
2d. INCENTIVE PROVISION	717,816	717,821	(5)	0.0	8,613,797	8,613,797	0	0.0
2e. OTHER: MARKET PRICE TRUE UP	0	0	0	0.0	0	0	0	0.0
3. TOTAL JURISDICTIONAL FUEL REVENUE	96,960,436	99,585,417	(2,624,981)	(2.6)	1,399,142,755	1,442,423,523	(43,280,768)	(3.0)
4. ADJ TOTAL FUEL & NET PWR TRNS (LINE A7)	98,945,222	104,130,475	(5,185,254)	(5.0)	1,500,853,418	1,403,988,266	96,865,152	6.9
5. JURISDICTIONAL SALES % OF TOT SALES (LINE B4)	99.29	99.39	(0.10)	(0.1)	99	99	(1)	(0.6)
6. JURISDICTIONAL FUEL & NET POWER TRANSACTIONS (LINE C4 * LINE C5 * 1.00052 LOSS MULTIPLIER)	98,282,008	103,549,097	(5,267,089)	(5.1)	1,484,329,867	1,396,434,957	87,894,910	6.3
7. TRUE UP PROVISION FOR THE MONTH OVER/(UNDER) COLLECTION (LINE C3 - C6)	(1,321,571)	(3,963,680)	2,642,109	(66.7)	(85,187,112)	45,988,566	(131,175,678)	(285)
8. INTEREST PROVISION FOR THE MONTH (LINE D10)	(39,508)	65,206	(104,714)	(160.6)	101,756	502,114	(400,358)	(80)
9. TRUE UP & INTEREST PROVISION BEG OF MONTH/PERIOD	(72,959,798)	23,321,589	(96,281,387)	(412.8)	116,563,080	78,731,032	37,832,048	48
10. TRUE UP COLLECTED (REFUNDED)	(10,790,297)	(10,764,480)	(25,817)	0.2	(116,588,898)	(116,563,077)	(25,821)	0
11. END OF PERIOD TOTAL NET TRUE UP (LINES C7 + C8 + C9 + C10)	(85,111,174)	8,658,635	(93,769,809)	(1,083.0)	(85,111,174)	8,658,635	(93,769,809)	(1,083)
12. OTHER:	0				-		-	
13. END OF PERIOD TOTAL NET TRUE UP (LINES C11 + C12)	(\$85,111,174)	\$8,658,635	(\$93,769,809)	(1,083.0)	(\$85,111,174)	\$8,658,635	(\$93,769,809)	(1,083.0)
D. INTEREST PROVISION								
1. BEGINNING TRUE UP (LINE C9)	(\$72,959,798)	N/A	--	--				
2. ENDING TRUE UP (LINES C7 + C9 + C10 + C12)	(85,071,666)	N/A	--	--				
3. TOTAL OF BEGINNING & ENDING TRUE UP	(158,031,464)	N/A	--	--			NOT	
4. AVERAGE TRUE UP (50% OF LINE D3)	(79,015,732)	N/A	--	--				
5. INTEREST RATE - FIRST DAY OF REPORTING MONTH	0.480	N/A	--	--				
6. INTEREST RATE - FIRST DAY OF SUBSEQUENT MONTH	0.720	N/A	--	--				
7. TOTAL (LINE D5 + LINE D6)	1.200	N/A	--	--				
8. AVERAGE INTEREST RATE (50% OF LINE D7)	0.600	N/A	--	--				
9. MONTHLY AVERAGE INTEREST RATE (LINE D8/12)	0.050	N/A	--	--				
10. INTEREST PROVISION (LINE D4 * LINE D9)	(\$39,508)	N/A	--	--				

A-3 Generating System Comparative Data Report

Duke Energy Florida

Docket No. 170001-EI

Witness: Menendez

Exhibit No. (CAM-3T)

Schedule: A3-1

Sheet 5 of 9

<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	18,516,067	4,020,813	14,495,254	360.5%
3 - COAL	339,340,725	324,911,924	14,428,801	4.4%
4 - GAS	834,543,700	823,121,834	11,421,866	1.4%
5 - NUCLEAR	0	0	0	0.0%
6	0	0	0	0.0%
7	0	0	0	0.0%
8 - TOTAL (\$)	1,192,400,492	1,152,054,571	40,345,921	3.5%
SYSTEM NET GENERATION (MWH)				
9 - HEAVY OIL	0	0	0	0.0%
10 - LIGHT OIL	76,916	1,926	74,990	3,893.6%
11 - COAL	8,851,647	9,143,645	(291,998)	(3.2%)
12 - GAS	24,822,412	25,114,198	(291,786)	(1.2%)
13 - NUCLEAR	0	0	0	0.0%
14 - SOLAR	5,305	16,485	(11,180)	(67.8%)
15	0	0	0	0.0%
16 - TOTAL (MWH)	33,756,279	34,276,254	(519,975)	(1.5%)
UNITS OF FUEL BURNED				
17 - HEAVY OIL (BBL)	0	0	0	0.0%
18 - LIGHT OIL (BBL)	172,049	31,611	140,438	444.3%
19 - COAL (TON)	4,181,357	4,215,668	(34,311)	(0.8%)
20 - GAS (MCF)	199,365,868	191,441,371	7,924,497	4.1%
21 - NUCLEAR (MMBTU)	0	0	0	0.0%
22	0	0	0	0.0%
23	0	0	0	0.0%
BTUS BURNED (MILLION BTU)				
24 - HEAVY OIL	0	0	0	0.0%
25 - LIGHT OIL	992,122	183,998	808,124	439.2%
26 - COAL	93,670,913	96,643,988	(2,973,075)	(3.1%)
27 - GAS	203,963,866	191,441,371	12,522,495	6.5%
28 - NUCLEAR	0	0	0	0.0%
29	0	0	0	0.0%
30	0	0	0	0.0%
31 - TOTAL (MILLION BTU)	298,626,901	288,269,357	10,357,544	3.6%

A-3 Generating System Comparative Data Report

Duke Energy Florida

Docket No. 170001-EI

Witness: Menendez

Exhibit No. (CAM-3T)

Schedule: A3-2

Sheet 6 of 9

<u>FUEL COST OF SYSTEM</u>	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
GENERATION MIX (% MWH)				
32 - HEAVY OIL	0.0	0.00	0.0	0.0%
33 - LIGHT OIL	0.2	0.01	0.2	3,955.1%
34 - COAL	26.2	26.68	(0.4)	(1.7%)
35 - GAS	73.5	73.27	0.3	0.3%
36 - NUCLEAR	0.0	0.00	0.0	0.0%
37 - SOLAR	0.02	0.05	(0.03)	(67.32%)
38	0.0	0.00	0.0	0.0%
39 - TOTAL (% MWH)	100.0	100.0	0.0	0.0%
FUEL COST PER UNIT (\$)				
40 - HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.0%
41 - LIGHT OIL (\$/BBL)	107.62	127.20	(19.58)	(15.4%)
42 - COAL (\$/TON)	81.16	77.07	4.08	5.3%
43 - GAS (\$/MCF)	4.19	4.30	(0.11)	(2.6%)
44 - NUCLEAR (\$/MBTU)	0.00	0.00	0.00	0.0%
45	0.00	0.00	0.00	0.0%
46	0.00	0.00	0.00	0.0%
FUEL COST PER MILLION BTU (\$/MILLION BTU)				
47 - HEAVY OIL	0.00	0.00	0.00	0.0%
48 - LIGHT OIL	18.66	21.85	(3.19)	(14.6%)
49 - COAL	3.62	3.36	0.26	7.8%
50 - GAS	4.09	4.30	(0.21)	(4.8%)
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)	3.99	4.72	(0.00)	(0.1%)
BTU BURNED PER KWH (BTU/KWH)				
55 - HEAVY OIL	0	0	0	0.0%
56 - LIGHT OIL	12,899	95,534	(82,635)	(86.5%)
57 - COAL	10,582	10,570	13	0.1%
58 - GAS	8,217	7,623	594	7.9%
59 - NUCLEAR	0	0	0	0.0%
60	0	0	0	0.0%
61	0	0	0	0.0%
62 - SYSTEM (BTU/KWH)	8,847	8,410	436	5.2%

A-3 Generating System Comparative Data Report

Duke Energy Florida

Docket No. 170001-EI
Witness: Menendez
Exhibit No. (CAM-3T)
Schedule: A3-3
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<u>FUEL COST OF SYSTEM</u>	<u>ACTUAL</u>	<u>ESTIMATED</u>	<u>DIFFERENCE</u>	<u>DIFFERENCE (%)</u>
<u>GENERATED FUEL COST PER KWH (CENTS/KWH)</u>				
63 - HEAVY OIL	0.00	0.00	0.00	0.0%
64 - LIGHT OIL	24.07	208.76	(184.69)	(88.5%)
65 - COAL	3.83	3.55	0.28	7.9%
66 - GAS	3.36	3.28	0.09	2.6%
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>3.53</u>	<u>3.36</u>	<u>0.17</u>	<u>5.1%</u>

(1)	(2)	(3)	(4)	(5)	(6a)	(6b)	(7)	(8)	(9)
Sold To	Type & Schedule	Total KWH Sold (000)	KWH Wheeled from Other Systems (000)	KWH from Own Generation (000)	Fuel Cost C/KWH	Total Cost C/KWH	Fuel Adj Total \$	Total Cost \$	Gain on Sales \$
ESTIMATED		8,590		8,590	2.545	3.130	218,578.00	268,877.00	50,299.00
ACTUAL									
EDF Trading North America, LLC		38		38	2.305	3.340	875.94	1,269.28	393.34
Exelon Generation Company, LLC	InternationalSwapsDe	110		110	2.329	2.873	2,561.98	3,160.21	598.23
Morgan Stanley Capital Group Inc.	EEI	70		70	2.306	2.906	1,614.54	2,034.30	419.76
PJM Settlements, Inc	MR1	1,340		1,340	2.405	2.691	32,227.06	36,059.41	3,832.35
Reedy Creek Improvement District	CR-1	8,090		8,090	2.204	2.516	178,329.60	203,505.05	25,175.45
Tampa Electric Company	CR-1	100		100	3.402	2.732	3,401.68	2,732.42	(669.26)
The Energy Authority	Schedule OS	352		352	2.391	3.155	8,417.65	11,105.04	2,687.39
Subtotal - Gain on Other Power Sales		10,100	0	10,100	2.252	2.573	227,428.45	259,865.71	32,437.26
CURRENT MONTH TOTAL		10,100		10,100	2.252	2.573	227,428.45	259,865.71	32,437.26
DIFFERENCE		1,510		1,510	(0.293)	(0.557)	8,850.45	(9,011.29)	(17,861.74)
DIFFERENCE %		18		18	(11.522)	(17.798)	4.05	(3.35)	(35.51)
CUMULATIVE ACTUAL		83,577		83,577	3.113	4.122	2,601,346.81	3,445,188.89	843,842.08
CUMULATIVE ESTIMATED		159,415		159,415	2.721	3.343	4,337,324.00	5,328,567.00	991,243.00
DIFFERENCE		(75,838.00)		(75,838.00)	0.392	0.780	(1,735,977.19)	(1,883,378.11)	(147,400.92)
DIFFERENCE %		-47.573		-47.573	14.398	23.323	-40.024	-35.345	-14.870

Duke Energy Florida
Schedule A12 - Capacity Costs
For The Period Jan - Dec 2016

Docket No. 170001-EI
Witness: Menendez
Exhibit No. (CAM-3T)
Schedule A12
Sheet 9 of 9

Counterparty	Type	MW	Start Date - End Date	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
1 Lake County (LAKCOUNT)	QF	12.75	1/1/95 - 6/30/14	0	0	0	0	0	0	0	0	0	(822,248)	0	0	(822,248)
2 Orange Cogen (ORANGECO)	QF	74.00	7/1/95 - 12/31/24	3,266,545	4,826,219	4,826,219	4,826,219	4,826,219	4,826,219	4,826,219	4,826,219	4,826,219	6,543,951	4,826,219	4,826,219	58,072,687
3 Orlando Cogen Limited (ORLACOGL)	QF	79.20	9/1/93 - 12/31/23	13,409,604	4,854,074	4,854,074	4,854,074	4,854,074	4,854,074	4,854,074	4,854,074	4,854,074	5,313,070	4,854,074	4,854,074	67,263,413
4 Pasco County Resource Recovery (PASCOUNT)	QF	23.00	1/1/95 - 12/31/24	1,577,570	1,677,850	1,677,850	1,677,850	1,677,850	1,677,850	1,677,850	1,677,850	1,677,850	1,872,430	1,677,850	1,677,850	20,228,500
5 Pinellas County Resource Recovery (PINCOUNT)	QF	54.75	1/1/95 - 12/31/24	3,755,303	3,994,013	3,994,013	3,994,013	3,994,013	3,994,013	3,994,013	3,994,013	3,994,013	4,457,198	3,994,013	3,994,013	48,152,625
6 Polk Power Partners, L.P. (MULBERRY)	QF	115.00	8/1/94 - 8/8/24	6,306,018	6,627,741	6,627,741	6,627,741	6,627,741	6,627,741	6,627,741	6,261,481	6,273,652	6,943,340	6,346,862	6,372,670	78,270,469
7 Wheelabrator Ridge Energy, Inc. (RIDGEGEN)	QF	39.6	8/1/94 - 12/31/23	603,090	584,735	575,947	555,284	532,520	498,053	349,980	562,274	564,062	140,112	620,552	651,857	6,238,466
8 Southern purchase - Scherer	Other	74	6/1/10 - 5/31/16	2,149,228	1,826,729	1,773,417	1,774,164	1,775,120	276,573	(144,661)	0	0	5,117	0	0	9,435,688
		350	6/1/10 - 5/31/16													
9 Southern purchase - Franklin	Other	425	6/1/16 - 5/31/21	3,201,566	3,298,621	3,206,417	3,469,625	3,102,253	5,095,516	5,416,928	6,112,437	4,498,362	2,638,254	2,595,887	3,408,509	46,044,375
10 Retail Wheeling				(33,737)	(1,790)	(6,527)	(149,519)	(1,545)	0	(510)	(7,979)	(58,345)	(27,013)	(4,686)	(18,640)	(310,291)
11 CR-3 Projected Expense				4,861,279	4,833,013	4,804,746	4,776,479	4,748,212	4,719,946	4,691,679	4,663,412	4,635,145	4,606,878	4,578,612	4,550,345	56,469,745
SUBTOTAL				39,096,466	32,521,204	32,333,896	32,405,930	32,136,457	32,569,984	32,293,312	32,943,780	31,265,031	31,671,090	29,489,381	30,316,897	389,043,429

Purchases/Sales (Net)	Other	MW	Contracts	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
Vandolah Capacity - Northern Star		655	6/1/12-5/31/27	2,888,436	2,892,622	2,035,755	1,947,188	2,800,279	5,784,009	5,760,132	5,717,176	2,702,782	1,921,383	2,012,074	2,943,834	39,405,670
Schedule H Capacity Sales-City of Tallahassee		-1	on-going no term date	0	0	0	0	0	0	0	0	(156,866)	0	0	0	(156,866)
Shady Hills Tolling		517	4/1/07-4/30/24	1,410,667	1,671,610	1,406,700	1,366,200	1,886,760	3,855,600	3,855,600	3,855,600	1,799,280	1,355,400	1,355,400	1,954,260	25,773,077
Calpine Osprey		515	Oct 2014 to Dec 2016													
Batch 19 Projected Nuclear Fuel			2016 - 2017													
		<u>1686</u>														

TOTAL

Duke Energy Florida
 Capital Structure and Cost Rates Applied to Capital Projects
 Estimated for the Period of : January through June 2016

	Adjusted Retail \$000's	Ratio	Cost Rate	Weighted Cost
Common Equity	\$4,681,853	48.76%	10.50%	5.12%
Preferred Stock	0	0.00%	0.00%	0.00%
Long Term Debt	3,672,596	38.25%	5.19%	1.98%
Short Term Debt	(90,568)	-0.94%	0.17%	0.00%
Customer Deposits - Active	182,163	1.90%	2.31%	0.04%
Customer Deposits - Inactive	1,306	0.01%	0.00%	0.00%
Deferred Tax	1,318,615	13.73%	0.00%	0.00%
Deferred Tax (FAS 109)	(164,391)	-1.71%	0.00%	0.00%
ITC	498	0.01%	0.00%	0.00%
	<u>\$9,602,073</u>	<u>100.00%</u>		<u>7.15%</u>

Total Debt 2.03%
 Total Equity 5.12%

* May 2015 DEF Surveillance Report capital structure and cost rates.

* Reference: Docket Nos. 120001-EG, 120002-EI, 120007-EI, PSC Order No. 12-0425-PAA-EU, page 8.

* Included for informational purposes only. DEF 2016 Actual True-up Filing does not currently have a capital return component.

Duke Energy Florida
 Capital Structure and Cost Rates Applied to Capital Projects
 Estimated for the Period of : July through December 2016

	Adjusted Retail \$000's	Ratio	Cost Rate	Weighted Cost
Common Equity	\$4,664,905	46.35%	10.50%	4.87%
Preferred Stock	0	0.00%	0.00%	0.00%
Long Term Debt	3,327,189	33.06%	5.47%	1.81%
Short Term Debt	373,704	3.71%	0.58%	0.02%
Customer Deposits - Active	182,948	1.82%	2.30%	0.04%
Customer Deposits - Inactive	1,367	0.01%	0.00%	0.00%
Deferred Tax	1,674,675	16.64%	0.00%	0.00%
Deferred Tax (FAS 109)	(161,369)	-1.60%	0.00%	0.00%
ITC	223	0.00%	0.00%	0.00%
	<u>\$10,063,642</u>	<u>100.00%</u>		<u>6.74%</u>

Total Debt 1.87%
 Total Equity 4.87%

* May 2016 DEF Surveillance Report capital structure and cost rates.

* Reference: Docket Nos. 120001-EG, 120002-EI, 120007-EI, PSC Order No. 12-0425-PAA-EU, page 8.

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