Matthew R. Bernier
Senior Counsel
Duke Energy Florida, LLC.

April 3, 2017

VIA ELECTRONIC FILING

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

Re: *Environmental Cost Recovery Clause; Docket No. 170007-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 2016 Final True-Up Report. The filing includes the following:

- DEF's Petition for Approval of Environmental Cost Recovery Final True-Up for the period January 2016 to December 2016;
- Pre-filed Direct Testimony of Christopher A. Menendez and Exhibit No. ___ (CAM-1) and Exhibit No. ___(CAM-2);
- Pre-filed Direct Testimony of Timothy Hill;
- Pre-filed Direct Testimony of Jeffrey Swartz; and
- Pre-filed Direct Testimony of Patricia Q. West and Exhibit No. ___ (PQW-1).

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
Matthew.Bernier@duke-energy.com

MRB/mw
Enclosures

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Environmental Cost Recovery Clause	Docket No. 170007-EI
	Filed: April 3, 2017

DUKE ENERGY FLORIDA'S PETITION FOR APPROVAL OF ENVIRONMENTAL COST RECOVERY CLAUSE FINAL TRUE-UP FOR THE PERIOD JANUARY 2016 - DECEMBER 2016

Duke Energy Florida, LLC ("DEF" or "the Company"), hereby petitions for approval of DEF's final end-of-the period Environmental Cost Recovery Clause ("ECRC") True-Up amount of an over-recovery of $7,872,922, and an over-recovery of $1,266,492 as the adjusted net true-up for the period January 2016 through December 2016. In support of this Petition, DEF states:

1. The actual end-of-period ECRC true-up over-recovery amount of $7,872,922 for the period January 2016 through December 2016 was calculated in accordance with the methodology set forth in Form 42-2A of Exhibit No. __ (CAM-1) accompanying the direct testimony of DEF witness Christopher A. Menendez, which is being filed together with this Petition and incorporated herein. Additional cost information for specific ECRC programs for the period January 2016 through December 2016 are presented in the direct testimonies of Timothy Hill, Jeffrey Swartz, and Patricia Q. West filed with this Petition and incorporated herein.

2. In Order No. PSC-16-0535-FOF-EI, the Commission approved an over-recovery of $6,606,430 as the estimated/actual ECRC true-up for the period January 2016 through December 2016.

3. As reflected on Form 42-1A of Exhibit No. __ (CAM-1) to Mr. Menendez's testimony, the adjusted net true-up for the period January 2016 through December 2016 is an

over-recovery of $1,266,492, which is the difference between the actual true-up over-recovery of $7,872,922 and the estimated/actual true-up over-recovery of $6,606,430.

WHEREFORE, DEF respectfully requests that the Commission approve the Company's final 2016 end-of-period Environmental Cost Recovery True-Up amount of an over-recovery amount of $7,872,922, and an over-recovery of $1,266,492 as the adjusted net true-up for the period January 2016 through December 2016.

RESPECTFULLY SUBMITTED this 3rd day of April, 2017.

By: *s/Matthew R. Bernier*
_____

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CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished via electronic mail to the following this 3rd day of April, 2017.

s/Matthew R. Bernier
Attorney

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BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

DIRECT TESTIMONY OF

CHRISTOPHER MENENDEZ

ON BEHALF OF

DUKE ENERGY FLORIDA, LLC

DOCKET NO. 170007-EI

April 3, 2017

Q. Please state your name and business address.

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

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

A. I am employed by Duke Energy Florida, LLC ("DEF" or the "Company"), as Rates and Regulatory Strategy Manager.

Q. What are your responsibilities in that position?

A. I am responsible for regulatory planning and cost recovery for DEF. These responsibilities include: regulatory financial reports and analysis of state, federal and local regulations and their impact on DEF. In this capacity, I am also responsible for DEF's True-up, Actual/Estimated and Projection filings in the Environmental Cost Recovery Clause docket ("ECRC").

Q. Please describe your educational background and professional experience.

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

Q. Have you previously filed testimony before this Commission in connection with DEF's Environmental Cost Recovery Clause ("ECRC")?

A. Yes.

Q. What is the purpose of your testimony?

A. The purpose of my testimony is to present for Commission review and approval DEF's actual true-up costs associated with environmental compliance activities for the period January 2016 - December 2016.

Q. Are you sponsoring any exhibits in support of your testimony?

A. Yes. I am sponsoring Exhibit No.___ CAM-1, that consists of nine forms, and Exhibit No.___ CAM-2, that provides details of four capital projects by site.

Exhibit No.___ CAM-1 consists of the following:

- Form 42-1A: Final true-up for the period January 2016 - December 2016.
- Form 42-2A: Final true-up calculation for the period.
- Form 42-3A: Calculation of the interest provision for the period.
- Form 42-4A: Calculation of variances between actual and actual/estimated costs for O&M Activities.
- Form 42-5A: Summary of actual monthly costs for the period for O&M Activities.
- Form 42-6A: Calculation of variances between actual and actual/estimated costs for Capital Investment Projects.
- Form 42-7A: Summary of actual monthly costs for the period for Capital Investment Projects.
- Form 42-8A, pages 1-18: Calculation of return on capital investment, depreciation expense and property tax expense for each project recovered through the ECRC.

- Form 42-9A: DEF's capital structure and cost rates.

Exhibit No.___ CAM-2 consists of detailed support for the following capital projects:

- Pipeline Integrity Management (Capital Program Detail (CPD), pages 2-3)
- Above Ground Storage Tank Secondary Containment (CPD, pages 4-9)
- Clean Air Interstate Rule (CAIR) Combustion Turbines (CTs)(CPD, pages 10-13)
- CAIR-Crystal River Units 4 & 5 (CPD, pages 14-15)

These exhibits were developed under my supervision and they are true and accurate.

Q. What is the source of the data that you will present in testimony and exhibits in this proceeding?

A. The actual data is taken from the books and records of DEF. The books and records are kept in the regular course of DEF's business in accordance with generally accepted accounting principles and practices, provisions of the Uniform System of Accounts as prescribed by Federal Energy Regulatory Commission, and any accounting rules and orders established by this Commission. The Company relies on the information included in this testimony in the conduct of its affairs.

Q. What is the final true-up amount DEF is requesting for the period January 2016 - December 2016?

A. DEF requests approval of an over-recovery amount of $7,872,922 for the year ending December 31, 2016. This amount is shown on Form 42-1A, Line 1.

Q. What is the net true-up amount DEF is requesting for the period January 2016 - December 2016 to be applied in the calculation of the environmental cost recovery factors to be refunded/recovered in the next projection period?

A. DEF requests approval of an over-recovery of $1,266,492 reflected on Line 3 of Form 42-1A, as the adjusted net true-up amount for the period January 2016 - December 2016. This amount is the difference between an actual over-recovery amount of $7,872,922 and an actual/estimated over-recovery of $6,606,430 for the period January 2016 - December 2016, as approved in Order PSC-16-0535-FOF-EI.

Q. Are all costs listed on Forms 42-1A through 42-8A attributable to environmental compliance projects approved by the Commission?

A. Yes.

Q. How did actual O&M expenditures for January 2016 - December 2016 compare with DEF's actual/estimated projections as presented in previous testimony and exhibits?

A. Form 42-4A shows a total O&M project variance of $2,019,715 lower than projected. Individual O&M project variances are on Form 42-4A. Explanations associated with variances are contained in the direct testimonies of Jeffrey Swartz, Timothy Hill, and Patricia Q. West.

Q. How did actual capital recoverable expenditures for January 2016 - December 2016 compare with DEF's estimated/actual projections as presented in previous testimony and exhibits?

A. Form 42-6A shows a total capital investment recoverable cost variance of $69,207 lower than projected. Individual project variances are on Form 42-6A. Return on capital investment, depreciation and property taxes for each project for the period are provided on Form 42-8A, pages 1-18. Explanations associated with variances are contained in the direct testimonies of Timothy Hill, Jeffrey Swartz and Patricia West.

Q. Please explain the O&M variance between actual project expenditures and the Actual/Estimated projections for the SO_2/NOx Emissions Allowance (Project 5).

A. The O&M variance is $368,070 higher than projected due to the purchase of Seasonal NOx ("SNOx") emissions allowances in Q2 and Q3 2016. The balance in DEF's SNOx emissions inventory was below the allowable threshold according to DEF policy. This resulted in DEF purchasing SNOx allowances to ensure DEF would meet the EPA's reductions to DEF's emissions allowance accounts when EPA compliance occurred in December 2016 for SNOx. The purchases increased the weighted average cost of the SNOx emissions allowance inventory and resulted in the increased emissions expense.

Q. Does this conclude your testimony?

A. Yes.

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
Commission Forms 42-1A Through 42-9A

January 2016 - December 2016
Final True-Up
Docket No. 170007-EI

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
Final True-Up
January 2016 - December 2016
(in Dollars)

Form 42-1A

Docket No. 170007-EI
Duke Energy Florida
Witness: C. A. Menendez
Exh. No. __ (CAM-1)

Line		Period Amount
1	Over/(Under) Recovery for the Period January 2016 - December 2016 (Form 42-2A, Line 5 + 6 + 10)	$ 7,872,922
2	Actual/Estimated True-Up Amount Approved for the Period January 2016 - December 2016 (Order No. PSC-16-0535-FOF-EI)	6,606,430
3	Final True-Up Amount to be Refunded/(Recovered) in the Projection Period January 2018 to December 2018 (Lines 1 - 2)	$ 1,266,492

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
Final True-Up
January 2016 - December 2016

End-of-Period True-Up Amount
(in Dollars)

Line	Description		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	End of Period Total
1	ECRC Revenues (net of Revenue Taxes)		$5,025,844	$4,919,237	$4,873,418	$4,910,663	$5,785,779	$6,553,293	$7,140,636	$7,413,461	$6,999,019	$6,195,404	$5,668,432	$4,765,324	70,250,508
2	True-Up Provision (Order No. PSC-15-0536-FOF-EI)	$639,441	$53,287	$53,287	$53,287	$53,287	$53,287	$53,287	$53,287	$53,287	$53,287	$53,287	$53,287	$53,287	639,441
3	ECRC Revenues Applicable to Period (Lines 1 + 2)		$5,079,130	4,972,524	4,926,705	4,963,950	5,839,066	6,606,580	7,193,923	7,466,748	7,052,305	6,248,691	5,721,719	4,818,610	70,889,949
4	Jurisdictional ECRC Costs														
	a. O & M Activities (Form 42-5A, Line 9)		$2,516,637	$2,693,303	$4,124,355	$3,141,740	$2,858,021	$2,742,230	$2,977,523	$3,202,785	$3,872,856	$3,781,071	$2,927,107	$3,900,654	$38,738,282
	b. Capital Investment Projects (Form 42-7A, Line 9)		2,061,930	2,089,315	2,077,231	2,074,575	2,088,044	2,062,318	1,964,169	1,966,644	1,984,049	1,994,547	1,926,046	2,016,174	24,305,040
	c. Other (A)		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Total Jurisdictional ECRC Costs		$4,578,567	$4,782,618	$6,201,586	$5,216,315	$4,946,065	$4,804,548	$4,941,692	$5,169,429	$5,856,905	$5,775,618	$4,853,153	$5,916,828	$63,043,322
5	Over/(Under) Recovery (Line 3 - Line 4d)		$500,563	$189,906	($1,274,881)	($252,365)	$893,001	$1,802,032	$2,252,231	$2,297,319	$1,195,401	$473,072	$868,565	($1,098,218)	$7,846,627
6	Interest Provision (Form 42-3A, Line 10)		929	1,057	905	560	570	1,010	1,780	2,610	3,478	3,975	4,224	5,197	26,295
7	Beginning Balance True-Up & Interest Provision		639,441	1,087,647	1,225,323	(101,940)	(407,031)	433,253	2,183,008	4,383,732	6,630,374	7,775,966	8,199,727	9,019,229	639,441
	a. Deferred True-Up - January 2015 - December 2015 (2015 TU filing dated 4/1/16, Order PSC-16-0535-FOF-EI)		1,951,488	1,951,488	1,951,488	1,951,488	1,951,488	1,951,488	1,951,488	1,951,488	1,951,488	1,951,488	1,951,488	1,951,488	1,951,488
8	True-Up Collected/(Refunded) (see Line 2)		(53,287)	(53,287)	(53,287)	(53,287)	(53,287)	(53,287)	(53,287)	(53,287)	(53,287)	(53,287)	(53,287)	(53,287)	(639,441)
9	End of Period Total True-Up (Lines 5+6+7+7a+8)		$3,039,135	$3,176,811	$1,849,548	$1,544,457	$2,384,741	$4,134,496	$6,335,220	$8,581,862	$9,727,454	$10,151,215	$10,970,717	$9,824,410	$9,824,410
10	Adjustments to Period Total True-Up Including Interest		0	0	0	0	0	0	0	0	0	0	0	0	0
11	End of Period Total True-Up Over/(Under) (Lines 9 + 10)		$3,039,135	$3,176,811	$1,849,548	$1,544,457	$2,384,741	$4,134,496	6,335,220	$8,581,862	$9,727,454	$10,151,215	$10,970,717	$9,824,410	$9,824,410

Notes:
(A) N/A

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
Final True-Up
January 2016 - December 2016

Interest Provision
(in Dollars)

Line	Description	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	End of Period Total
1	Beginning True-Up Amount (Form 42-2A, Line 7 + 7a + 10)	$2,590,929	$3,039,135	$3,176,811	$1,849,548	$1,544,457	$2,384,741	$4,134,496	$6,335,220	$8,581,862	$9,727,454	$10,151,215	$10,970,717	
2	Ending True-Up Amount Before Interest (Line 1 + Form 42-2A, Lines 5 + 8)	3,038,206	3,175,754	1,848,643	1,543,897	2,384,171	4,133,486	6,333,440	8,579,252	9,723,976	10,147,240	10,966,493	9,819,213	
3	Total of Beginning & Ending True-Up (Lines 1 + 2)	5,629,135	6,214,889	5,025,454	3,393,445	3,928,627	6,518,227	10,467,936	14,914,472	18,305,838	19,874,694	21,117,708	20,789,931	
4	Average True-Up Amount (Line 3 x 1/2)	2,814,568	3,107,445	2,512,727	1,696,723	1,964,314	3,259,114	5,233,968	7,457,236	9,152,919	9,937,347	10,558,854	10,394,966	
5	Interest Rate (Last Business Day of Prior Month)	0.40%	0.40%	0.42%	0.44%	0.34%	0.36%	0.38%	0.43%	0.42%	0.48%	0.48%	0.48%	
6	Interest Rate (Last Business Day of Current Month)	0.40%	0.42%	0.44%	0.34%	0.36%	0.38%	0.43%	0.42%	0.48%	0.48%	0.48%	0.72%	
7	Total of Beginning & Ending Interest Rates (Lines 5 + 6)	0.80%	0.82%	0.86%	0.78%	0.70%	0.74%	0.81%	0.85%	0.90%	0.96%	0.96%	1.20%	
8	Average Interest Rate (Line 7 x 1/2)	0.400%	0.410%	0.430%	0.390%	0.350%	0.370%	0.405%	0.425%	0.450%	0.480%	0.480%	0.600%	
9	Monthly Average Interest Rate (Line 8 x 1/12)	0.033%	0.034%	0.036%	0.033%	0.029%	0.031%	0.034%	0.035%	0.038%	0.040%	0.040%	0.050%	
10	Interest Provision for the Month (Line 4 x Line 9)	$929	$1,057	$905	$560	$570	$1,010	$1,780	$2,610	$3,478	$3,975	$4,224	$5,197	$26,295

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
Final True-Up
January 2016 - December 2016

Form 42-4A

Docket No. 170007-EI
Duke Energy Florida
Witness: C. A. Menendez
Exh. No. __ (CAM-1)

Variance Report of O&M Activities
(In Dollars)

Line		(1) YTD Actual	(2) Actual/ Estimated	(3) Variance Amount	(4) Variance Percent
1	Description of O&M Activities - System				
1	Transmission Substation Environmental Investigation, Remediation, and Pollution Prevention	$310,928	$270,576	$40,352	15%
1a	Distribution Substation Environmental Investigation, Remediation, and Pollution Prevention	654,311	507,482	146,829	29%
2	Distribution System Environmental Investigation, Remediation, and Pollution Prevention	93,173	103,778	(10,605)	-10%
3	Pipeline Integrity Management - Bartow /Anclote Pipeline - Intm	367,696	695,676	(327,980)	-47%
4	Above Ground Tank Secondary Containment	0	0	0	0%
5	SO2/NOx Emissions Allowances - Energy	433,354	65,284	368,070	564%
5	NOx Emissions Allowances Regulatory Asset	3,629,156	3,629,156	0	0%
6	Phase II Cooling Water Intake 316(b) - Base	266,708	250,000	16,709	7%
6a	Phase II Cooling Water Intake 316(b) - Intm	78,106	190,000	(111,894)	-59%
7.2	CAIR/CAMR - Peaking - Demand	71,950	102,609	(30,659)	-30%
7.4	CAIR/CAMR Crystal River - Base	16,907,523	17,155,022	(247,498)	-1%
7.4	CAIR/CAMR Crystal River - Energy	14,299,008	15,116,100	(817,092)	-5%
7.4	CAIR/CAMR Crystal River - A&G	148,462	152,280	(3,818)	-3%
7.4	CAIR/CAMR Crystal River - Conditions of Certification - Energy	0	0	0	0%
7.5	Best Available Retrofit Technology (BART) - Energy	0	0	0	0%
8	Arsenic Groundwater Standard - Base	113,803	130,660	(16,857)	-13%
9	Sea Turtle - Coastal Street Lighting - Distrib	0	300	(300)	-100%
11	Modular Cooling Towers - Base	0	0	0	0%
12	Greenhouse Gas Inventory and Reporting - Energy	0	0	0	0%
13	Mercury Total Daily Maximum Loads Monitoring - Energy	0	0	0	0%
14	Hazardous Air Pollutants (HAPs) ICR Program - Energy	0	0	0	0%
15	Effluent Limitation Guidelines ICR Program - Energy	0	0	0	0%
15.1	Effluent Limitation Guidelines ICR Program CRN - Energy	0	0	0	0%
16	National Pollutant Discharge Elimination System (NPDES) - Energy	68,851	60,044	8,807	15%
17	Mercury & Air Toxic Standards (MATS) CR4 & CR5 - Energy	290,558	501,671	(211,114)	-42%
17.1	Mercury & Air Toxic Standards (MATS) Anclote Gas Conversion - Energy	0	0	0	0%
17.2	Mercury & Air Toxic Standards (MATS) CR1 & CR2 - Energy	2,162,595	1,807,936	354,659	20%
18	Coal Combustion Residual (CCR) Rule - Energy	1,198,889	2,376,214	(1,177,325)	-50%
2	Total O&M Activities - Recoverable Costs	$41,095,072	$43,114,788	($2,019,715)	-5%
3	Recoverable Costs Allocated to Energy	22,082,411	23,556,406	(1,473,995)	-6%
4	Recoverable Costs Allocated to Demand	19,012,661	19,558,382	(545,721)	-3%

Notes:
Column (1) End of Period Totals on Form 42-5A
Column (2) 2016 Estimated/Actual Filing (8/4/2016)
Column (3) = Column (1) - Column (2)
Column (4) = Column (3) / Column (2)

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
Final True-Up
January 2016 - December 2016

O&M Activities
(in Dollars)

Line	Description	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	End of Period Total
1	Description of O&M Activities													
1	Transmission Substation Environmental Investigation, Remediation, and Pollution Prevention	$10,198	$26,090	$17,338	$14,463	$13,742	$53,744	$18,701	$23,396	$16,183	$88,372	$24,251	$4,450	$310,928
1a	Distribution Substation Environmental Investigation, Remediation, and Pollution Prevention	12,365	25,872	75,433	65,021	24,469	29,322	193,756	101,364	(5,103)	220,580	(97,416)	8,649	654,311
2	Distribution System Environmental Investigation, Remediation, and Pollution Prevention	1,050	6,570	2,033	14,849	3,867	0	0	569	10,763	11,639	10,447	31,386	93,173
3	Pipeline Integrity Management - Bartow/Anclote Pipeline - Intm	8,988	14,421	47,009	92,794	110,299	23,459	54,893	(55,883)	31,800	23,680	4,965	11,272	367,696
4	Above Ground Tank Secondary Containment - Peaking	0	0	0	0	0	0	0	0	0	0	0	0	0
5	SO2/NOx Emissions Allowances - Energy	0	4,055	2,282	2,950	3,759	20,470	24,159	26,235	88,827	250,216	5,049	5,352	433,354
5	NOx Emissions Allowance Regulatory Asset	302,430	302,430	302,430	302,430	302,430	302,430	302,430	302,430	302,430	302,430	302,430	302,430	3,629,156
6	Phase II Cooling Water Intake 316(b) - Base	12,220	7,267	0	10,880	0	45,514	0	7,877	12,066	57,354	3,062	110,469	266,708
6a	Phase II Cooling Water Intake 316(b) - Intm	5,154	(1,637)	10,246	(2,252)	47,877	(32,993)	0	(318)	67,984	(53,489)	63,994	(26,459)	78,106
7.2	CAIR/CAMR - Peaking	0	17,500	0	0	0	19,000	0	0	0	0	35,450	0	71,950
7.4	CAIR/CAMR Crystal River - Base	1,140,751	1,346,034	2,866,288	1,504,269	1,137,928	1,013,531	758,829	1,063,957	1,808,765	1,185,133	1,244,698	1,837,340	16,907,523
7.4	CAIR/CAMR Crystal River - Energy	1,051,049	947,023	827,725	1,125,627	1,077,506	1,294,737	1,501,296	1,458,464	1,161,844	1,327,492	1,195,566	1,330,679	14,299,008
7.4	CAIR/CAMR Crystal River - A&G	6,099	8,368	15,826	10,760	13,993	12,734	17,599	14,918	11,448	11,264	12,026	13,427	148,462
7.4	CAIR/CAMR Crystal River - Conditions of Certification - Energy	0	0	0	0	0	0	0	0	0	0	0	0	0
7.5	Best Available Retrofit Technology (BART) - Energy	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Arsenic Groundwater Standard - Base	0	0	1,077	233	422	0	1,342	0	874	61,031	10,694	38,131	113,803
9	Sea Turtle - Coastal Street Lighting - Distrib	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Modular Cooling Towers - Base	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Greenhouse Gas Inventory and Reporting - Energy	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Mercury Total Daily Maximum Loads Monitoring - Energy	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Hazardous Air Pollutants (HAPs) ICR Program - Energy	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Effluent Limitation Guidelines ICR Program - Energy	0	0	0	0	0	0	0	0	0	0	0	0	0
15.1	Effluent Limitation Guidelines ICR Program CRN - Energy	0	0	0	0	0	0	0	0	0	0	0	0	0
16	National Pollutant Discharge Elimination System (NPDES) - Energy	3,003	3,871	1,243	11,069	(4,918)	15,934	0	207	19,402	9,662	2,006	7,374	68,851
17	Mercury & Air Toxic Standards (MATS) CR4 & CR5 - Energy	0	21	109,334	13,055	18,837	31,639	0	9,581	30,358	33,294	7,510	36,928	290,558
17.1	Mercury & Air Toxic Standards (MATS) Anclote Gas Conversion - Energy	0	0	0	0	0	0	0	0	0	0	0	0	0
17.2	Mercury & Air Toxic Standards (MATS) CR1 & CR2 - Energy	173,508	99,545	98,895	199,489	126,116	154,081	131,504	205,109	152,224	174,387	216,733	431,006	2,162,595
18	Coal Combustion Residual (CCR) Rule - Energy	(68,256)	29,843	11,630	(11,329)	161,546	(69,918)	160,848	223,775	443,609	301,414	58,078	(42,351)	1,198,889
2	Total of O&M Activities	$2,658,560	$2,837,273	$4,388,791	$3,354,308	$3,037,872	$2,913,683	$3,165,356	$3,381,681	$4,153,470	$4,004,458	$3,099,540	$4,100,081	$41,095,072
3	Recoverable Costs Allocated to Energy	1,159,305	1,084,358	1,051,110	1,340,861	1,382,845	1,446,942	1,817,807	1,923,371	1,896,262	2,096,465	1,484,941	1,768,987	18,453,255
	Recoverable Costs Allocated to Energy - Nox Regulatory Asset	$302,430	$302,430	$302,430	$302,430	$302,430	$302,430	$302,430	$302,430	$302,430	$302,430	$302,430	$302,430	$3,629,156
4	Recoverable Costs Allocated to Demand - Transm	10,198	26,090	17,338	14,463	13,742	53,744	18,701	23,396	16,183	88,372	24,251	4,450	310,928
	Recoverable Costs Allocated to Demand - Distrib	13,415	32,442	77,466	79,870	28,335	29,322	193,756	101,933	5,659	232,219	(86,969)	40,035	747,484
	Recoverable Costs Allocated to Demand - Prod-Base	1,152,971	1,353,300	2,867,366	1,515,382	1,138,351	1,059,045	760,170	1,071,834	1,821,705	1,303,517	1,258,454	1,985,940	17,288,035
	Recoverable Costs Allocated to Demand - Prod-Intm	14,142	12,784	57,255	90,542	158,176	(9,534)	54,893	(56,201)	99,783	(29,809)	68,959	(15,188)	445,802
	Recoverable Costs Allocated to Demand - Prod-Peaking	0	17,500	0	0	0	19,000	0	0	0	0	35,450	0	71,950
	Recoverable Costs Allocated to Demand - A&G	6,099	8,368	15,826	10,760	13,993	12,734	17,599	14,918	11,448	11,264	12,026	13,427	148,462
5	Retail Energy Jurisdictional Factor	0.96010	0.97350	0.96960	0.94900	0.96800	0.94840	0.94230	0.94630	0.94100	0.95020	0.96720	0.96970	
	Retail Energy Jurisdictional Factor - Nox Regulatory Asset	0.97930	0.97930	0.97930	0.97930	0.97930	0.97930	0.97930	0.97930	0.97930	0.97930	0.97930	0.97930	
6	Retail Transmission Demand Jurisdictional Factor	0.70203	0.70203	0.70203	0.70203	0.70203	0.70203	0.70203	0.70203	0.70203	0.70203	0.70203	0.70203	
	Retail Distribution Demand Jurisdictional Factor	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	
	Retail Production Demand Jurisdictional Factor - Base	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	
	Retail Production Demand Jurisdictional Factor - Intm	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	
	Retail Production Demand Jurisdictional Factor - Peaking	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	
	Retail Production Demand Jurisdictional Factor - A&G	0.93221	0.93221	0.93221	0.93221	0.93221	0.93221	0.93221	0.93221	0.93221	0.93221	0.93221	0.93221	
7	Jurisdictional Energy Recoverable Costs (A)	1,113,049	1,055,623	1,019,156	1,272,477	1,338,594	1,372,280	1,712,920	1,820,086	1,784,383	1,992,061	1,436,235	1,715,387	17,632,251
	Jurisdictional Energy Recoverable Costs - Nox Regulatory Asset	296,169	296,169	296,169	296,169	296,169	296,169	296,169	296,169	296,169	296,169	296,169	296,169	3,554,028
8	Jurisdictional Demand Recoverable Costs - Transm (B)	7,159	18,316	12,172	10,154	9,647	37,730	13,129	16,425	11,361	62,040	17,025	3,124	218,282
	Jurisdictional Demand Recoverable Costs - Distrib (B)	13,356	32,300	77,126	79,520	28,211	29,193	192,906	101,485	5,634	231,200	(86,588)	39,859	744,202
	Jurisdictional Demand Recoverable Costs - Prod-Base (B)	1,070,937	1,257,013	2,663,353	1,407,563	1,057,357	983,694	706,084	995,573	1,692,091	1,210,772	1,168,915	1,844,640	16,057,992
	Jurisdictional Demand Recoverable Costs - Prod-Intm (B)	10,282	9,294	41,626	65,826	114,999	(6,932)	39,909	(40,860)	72,546	(21,672)	50,135	(11,042)	324,111
	Jurisdictional Demand Recoverable Costs - Prod-Peaking (B)	0	16,787	0	0	0	18,226	0	0	0	0	34,005	0	69,018
	Jurisdictional Demand Recoverable Costs - A&G (B)	5,685	7,801	14,753	10,031	13,044	11,870	16,406	13,907	10,672	10,501	11,211	12,517	138,398
9	Total Jurisdictional Recoverable Costs for O&M Activities (Lines 7 + 8)	$2,516,637	$2,693,303	$4,124,355	$3,141,740	$2,858,021	$2,742,230	$2,977,523	$3,202,785	$3,872,856	$3,781,071	$2,927,107	$3,900,654	$38,738,282

Notes:
(A) Line 3 x Line 5
(B) Line 4 x Line 6

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
Final True-Up
January 2016 - December 2016

Variance Report of Capital Investment Activities
(In Dollars)

Line			(1) YTD Actual	(2) Actual/ Estimated	(3) Variance Amount	(4) Variance Percent
1	Description of Capital Investment Activities					
	3.1	Pipeline Integrity Management - Bartow/Anclote Pipeline	$437,902	$437,902	$0	0%
	4.x	Above Ground Tank Secondary Containment	2,009,155	2,009,156	(1)	0%
	5	SO2/NOx Emissions Allowances	896,683	896,890	(207)	0%
	7.x	CAIR/CAMR	823,717	831,453	(7,736)	-1%
	8	Best Available Retrofit Technology (BART)	0	0	0	0%
	9	Sea Turtle - Coastal Street Lighting	1,312	1,328	(16)	-1%
	10.x	Underground Storage Tanks	26,830	26,830	0	0%
	11	Modular Cooling Towers	0	0	0	0%
	11.1	Crystal River Thermal Discharge Compliance Project	0	0	0	0%
	15.1	Effluent Limitation Guidelines CRN (ELG)	1,545	2,754	(1,209)	-44%
	16	National Pollutant Discharge Elimination System (NPDES)	1,785,322	1,785,028	294	0%
	17x	Mercury & Air Toxics Standards (MATS)	19,954,840	20,011,570	(56,730)	0%
	18	Coal Combustion Residual (CCR) Rule	18,785	22,387	(3,602)	-16%
2	Total Capital Investment Activities - Recoverable Costs		$25,956,091	$26,025,298	($69,207)	0%
3	Recoverable Costs Allocated to Energy		20,959,652	21,004,350	($44,698)	0%
4	Recoverable Costs Allocated to Demand		$4,996,440	$5,020,948	($24,509)	0%

Notes:

Column (1) End of Period Totals on Form 42-7A
Column (2) 2016 Actual/Estimated Filing (8/4/2016)
Column (3) = Column (1) - Column (2)
Column (4) = Column (3) / Column (2)

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
Final True-Up
January 2016 - December 2016

Capital Investment Projects-Recoverable Costs
(in Dollars)

Form 42-7A

Docket No. 170007-EI
Duke Energy Florida
Witness: C. A. Menendez
Exh. No. __ (CAM-1)

Line	Description	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	End of Period Total
1	Description of Investment Projects (A)													
3.1	Pipeline Integrity Management - Bartow/Anclote Pipeline - Intermediate	$23,612	$23,564	$23,515	$23,466	$23,417	$23,369	22,472	$22,426	$63,616	$63,214	$62,814	$62,417	$437,902
4.1	Above Ground Tank Secondary Containment - Peaking	116,318	116,030	115,743	153,829	153,193	152,552	148,081	147,481	146,879	146,277	145,674	145,073	1,687,130
4.2	Above Ground Tank Secondary Containment - Base	24,925	24,899	24,873	24,846	24,820	24,794	23,600	23,576	23,550	23,525	23,501	23,477	290,386
4.3	Above Ground Tank Secondary Containment - Intermediate	2,714	2,710	2,705	2,701	2,697	2,692	2,581	2,576	2,572	2,568	2,563	2,560	31,639
5	SO2/NOX Emissions Allowances - Energy	91,237	88,608	85,969	83,335	80,694	77,978	71,072	68,398	65,864	63,578	61,231	58,719	896,683
7.1	CAIR/CAMR Anclote- Intermediate	0	0	0	0	0	0	0	0	0	0	0	0	0
7.2	CAIR/CAMR - Peaking	18,786	18,756	18,725	21,641	21,582	21,525	20,735	20,680	20,627	20,573	20,518	20,464	244,610
7.3	CAMR Crystal River - Base	0	0	0	0	0	0	0	0	0	0	0	0	0
7.4	CAIR/CAMR Crystal River AFUDC - Base	41,126	41,061	40,995	40,930	40,865	40,799	39,003	39,856	41,654	43,166	16,119	45,404	470,978
7.4	CAIR/CAMR Crystal River AFUDC - Energy	8,765	9,426	9,554	9,482	-4,594	9,461	10,081	10,777	11,224	11,487	11,229	11,236	108,128
7.5	Best Available Retrofit Technology (BART) - Energy	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Sea Turtle - Coastal Street Lighting -Distribution	113	113	113	112	111	111	107	107	107	106	106	106	1,312
10.1	Underground Storage Tanks - Base	1,569	1,567	1,564	1,562	1,559	1,557	1,491	1,490	1,487	1,485	1,483	1,480	18,294
10.2	Underground Storage Tanks - Intermediate	733	731	730	728	726	725	698	696	695	693	691	690	8,536
11	Modular Cooling Towers - Base (B)	0	0	0	0	0	0	0	0	0	0	0	0	0
15.1	Effluent Limitation Guidelines CRN (RLG) - Base	0	0	0	0	0	0	0	0	63	179	440	863	1,545
16	National Pollutant Discharge Elimination System (NPDES) - Intermediate	153,295	152,987	152,678	152,370	152,063	151,755	145,708	145,417	145,125	144,835	144,839	144,250	1,785,322
17	Mercury & Air Toxic Standards (MATS) CR4 & CR5 - Energy	35,547	36,688	36,969	37,584	37,947	37,809	36,046	35,993	35,940	35,885	36,929	35,762	439,103
17.1	Mercury & Air Toxic Standards (MATS) Anclote Gas Conversion - Energy	1,428,170	1,425,923	1,423,731	1,421,638	1,417,353	1,417,084	1,357,302	1,355,320	1,353,338	1,350,037	1,338,492	1,345,213	16,633,595
17.2	Mercury & Air Toxic Standards (MATS) CR1 & CR2 - Energy	246,260	252,859	252,568	252,105	252,024	251,729	240,837	240,272	239,707	239,142	178,200	236,434	2,882,142
18	Coal Combustion Residual (CCR) Rule - Demand	568	949	1,182	1,222	1,507	1,681	1,695	1,755	1,839	1,948	1,996	2,443	18,785
2	Total Investment Projects - Recoverable Costs	$2,193,738	$2,196,871	$2,191,614	$2,227,551	$2,205,964	$2,215,621	$2,121,509	$2,116,820	$2,154,287	$2,148,698	$2,046,825	$2,136,591	$25,956,091
3	Recoverable Costs Allocated to Energy	1,809,979	1,813,504	1,808,791	1,804,144	1,783,425	1,794,061	1,715,338	1,710,760	1,706,073	1,700,129	1,626,081	1,687,364	20,959,652
	Recoverable Costs Allocated to Distribution Demand	113	113	113	112	111	111	107	107	107	106	106	106	1,312
4	Recoverable Costs Allocated to Demand - Production - Base	68,188	68,476	68,614	68,560	68,751	68,831	65,789	66,677	68,593	70,303	43,539	73,667	799,988
	Recoverable Costs Allocated to Demand - Production - Intermediate	180,354	179,992	179,628	179,265	178,903	178,541	171,459	171,115	212,008	211,310	210,907	209,917	2,263,399
	Recoverable Costs Allocated to Demand - Production - Peaking	135,104	134,786	134,468	175,470	174,775	174,077	168,816	168,161	167,506	166,850	166,192	165,537	1,931,740
5	Retail Energy Jurisdictional Factor	0.96010	0.97350	0.96960	0.94900	0.96800	0.94840	0.94230	0.94630	0.94100	0.95020	0.96720	0.96970	
	Retail Distribution Demand Jurisdictional Factor	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	
6	Retail Demand Jurisdictional Factor - Production - Base	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	
	Retail Demand Jurisdictional Factor - Production - Intermediate	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	
	Retail Demand Jurisdictional Factor - Production - Peaking	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	
7	Jurisdictional Energy Recoverable Costs (C)	1,737,761	1,765,446	1,753,804	1,712,133	1,726,355	1,701,488	1,616,363	1,618,892	1,605,415	1,615,463	1,572,746	1,636,237	20,062,104
	Jurisdictional Demand Recoverable Costs - Distribution (C)	113	113	113	112	111	111	107	107	107	106	106	106	1,306
8	Jurisdictional Demand Recoverable Costs - Production - Base (D)	63,336	63,604	63,732	63,682	63,859	63,934	61,108	61,933	63,713	65,301	40,441	68,426	743,069
	Jurisdictional Demand Recoverable Costs - Production - Intermediate (D)	131,123	130,860	130,595	130,331	130,068	129,805	124,656	124,406	154,136	153,629	153,336	152,616	1,645,559
	Jurisdictional Demand Recoverable Costs - Production - Peaking (D)	129,597	129,292	128,987	168,318	167,651	166,981	161,935	161,307	160,678	160,049	159,418	158,790	1,853,002
9	Total Jurisdictional Recoverable Costs for Investment Projects (Lines 7 + 8)	$2,061,930	$2,089,315	$2,077,231	$2,074,575	$2,088,044	$2,062,318	$1,964,169	$1,966,644	$1,984,049	$1,994,547	$1,926,046	$2,016,174	$24,305,040

Notes:

(A) Each project's Total System Recoverable Expenses on Form 42-8A, Line 9; Form 42-8A, Line 5 for Projects 5 - Emission Allowances and Project 7. 4 - Reagents
(B) N/A
(C) Line 3 x Line 5
(D) Line 4 x Line 6

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
Final True-Up
January 2016 - December 2016

Docket No. 170007-EI
Duke Energy Florida
Witness: C. A. Menendez
Exh. No. __ (CAM-1)
Page 9 of 27

Return on Capital Investments, Depreciation and Taxes
For Project: PIPELINE INTEGRITY MANAGEMENT - Bartow/Anclote Pipeline - Intermediate (Project 3.1)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	2,580,752	0	0	0	0	
	d. Other (A)				0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$2,614,704	$2,614,704	$2,614,704	$2,614,704	$2,614,704	$2,614,704	$2,614,704	$2,614,704	$33,952	$33,952	$33,952	$33,952	$33,952	
3	Less: Accumulated Depreciation			(777,505)	(783,149)	(788,793)	(794,437)	(800,081)	(805,725)	(811,369)	(817,013)	1,758,095	(9,814)	(9,867)	(9,920)	(9,973)	
3a	Regulatory Asset Balance (G)			0	0	0	0	0	0	0	0	0	1,718,748	1,669,641	1,620,534	1,571,427	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)			$1,837,199	$1,831,555	$1,825,911	$1,820,267	$1,814,623	$1,808,979	$1,803,335	$1,797,691	$1,792,047	$1,742,887	$1,693,727	$1,644,567	$1,595,407	
6	Average Net Investment				$1,834,377	$1,828,733	$1,823,089	$1,817,445	$1,811,801	$1,806,157	$1,800,513	$1,794,869	$1,767,467	$1,718,307	$1,669,147	$1,619,987	
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.03%	1.87%		3,097	3,088	3,078	3,069	3,059	3,050	2,809	2,800	2,757	2,680	2,604	2,527	34,618
	b. Equity Component Grossed Up For Taxes	8.33%	7.92%		12,741	12,702	12,663	12,623	12,584	12,545	11,889	11,852	11,671	11,346	11,022	10,702	144,340
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation (C)				5,644	5,644	5,644	5,644	5,644	5,644	5,644	5,644	53	53	53	53	45,364
	b. Amortization (G)				0	0	0	0	0	0	0	0	49,107	49,107	49,107	49,107	196,428
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (D)				2,130	2,130	2,130	2,130	2,130	2,130	2,130	2,130	28	28	28	28	17,152
	e. Other (A)				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$23,612	$23,564	$23,515	$23,466	$23,417	$23,369	$22,472	$22,426	$63,616	$63,214	$62,814	$62,417	437,902
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$23,612	$23,564	$23,515	$23,466	$23,417	$23,369	$22,472	$22,426	$63,616	$63,214	$62,814	$62,417	437,902
10	Energy Jurisdictional Factor				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11	Demand Jurisdictional Factor - Production (Intermediate)				0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	
12	Retail Energy-Related Recoverable Costs (E)				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0
13	Retail Demand-Related Recoverable Costs (F)				17,167	17,132	17,096	17,060	17,025	16,990	16,338	16,304	46,251	45,959	45,668	45,379	318,368
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)				$17,167	$17,132	$17,096	$17,060	$17,025	$16,990	$16,338	$16,304	$46,251	$45,959	$45,668	$45,379	$318,368

Notes:

(A) N/A

(B) Jan - Jun 2016 Line 6 x 10.36% x 1/12. Jul - Dec 2016 Line 6 x 9.80% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 5.12% (Jan-Jun) or 4.87% (Jul-Dec), and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002). See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU Docket No. 120007-EI.

(C) Depreciation calculated in Pipeline Integrity Management section of Capital Program Detail file only on assets placed in service. Calculated on that schedule as Line 2 x rate x 1/12. Depreciation Rate based on 2010 Rate Case Order PSC-10-0131-FOF-EI.

(D) Property tax calculated in Pipeline Integrity Management section of Capital Program Detail file only on assets placed in service. Calculated on that schedule as Line 2 x rate x 1/12. Based on 2015 Effective Tax Rate on original cost.

(E) Line 9a x Line 10

(F) Line 9b x Line 11

(G) Projects 3.1b, 3.1c, and 3.1d are being treated as a regulatory asset and are being amortized over 3 years consistent with Order No. PSC-16-0535-FOF-EI.

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
Final True-Up
January 2016 - December 2016

Docket No. 170007-EI
Duke Energy Florida
Witness: C. A. Menendez
Exh. No. __ (CAM-1)
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Return on Capital Investments, Depreciation and Taxes
For Project: ABOVE GROUND TANK SECONDARY CONTAINMENT - Peaking (Project 4.1)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	2,066,600	0	0	0	0	0	0	0	0	0	
	d. Other (A)				0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$11,301,804	$11,301,804	$11,301,804	$9,235,204	$9,235,204	$9,235,204	$9,235,204	$9,235,204	$9,235,204	$9,235,204	$9,235,204	$9,235,204	$9,235,204	
3	Less: Accumulated Depreciation			(2,805,886)	(2,839,112)	(2,872,338)	(838,964)	(2,512,494)	(2,540,562)	(2,568,630)	(2,596,698)	(2,624,765)	(2,652,833)	(2,680,901)	(2,708,968)	(2,737,036)	
3a	Regulatory Asset Balance (G)			0	0	0	0	1,599,756	1,554,049	1,508,342	1,462,635	1,416,928	1,371,221	1,325,514	1,279,807	1,234,100	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)			$8,495,917	$8,462,692	$8,429,466	$8,396,240	$8,322,466	$8,248,691	$8,174,916	$8,101,141	$8,027,367	$7,953,592	$7,879,817	$7,806,043	$7,732,268	
6	Average Net Investment				$8,479,305	$8,446,079	$8,412,853	$8,359,353	$8,285,578	$8,211,804	$8,138,029	$8,064,254	$7,990,479	$7,916,705	$7,842,930	$7,769,155	
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.03%	1.87%		14,317	14,260	14,205	14,114	13,991	13,864	12,693	12,579	12,465	12,348	12,233	12,121	159,190
	b. Equity Component Grossed Up For Taxes	8.33%	7.92%		58,895	58,664	58,432	58,063	57,550	57,036	53,736	53,250	52,762	52,277	51,789	51,300	663,754
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation (C)			33,227	33,227	33,227	28,069	28,069	28,069	28,069	28,069	28,069	28,069	28,069	28,069	28,069	352,302
	b. Amortization (G)			0	0	0	45,707	45,707	45,707	45,707	45,707	45,707	45,707	45,707	45,707	45,707	411,363
	c. Dismantlement			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (D)			9,879	9,879	9,879	7,876	7,876	7,876	7,876	7,876	7,876	7,876	7,876	7,876	7,876	100,521
	e. Other			0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)			$116,318	$116,030	$115,743	$153,829	$153,193	$152,552	$148,081	$147,481	$146,879	$146,277	$145,674	$145,073	1,687,130	
	a. Recoverable Costs Allocated to Energy			0	0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand			$116,318	$116,030	$115,743	$153,829	$153,193	$152,552	$148,081	$147,481	$146,879	$146,277	$145,674	$145,073	1,687,130	
10	Energy Jurisdictional Factor			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11	Demand Jurisdictional Factor - Production (Peaking)			0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	
12	Retail Energy-Related Recoverable Costs (E)			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0
13	Retail Demand-Related Recoverable Costs (F)			111,577	111,301	111,025	147,559	146,949	146,334	142,045	141,470	140,892	140,315	139,736	139,160	1,618,363	
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)			$111,577	$111,301	$111,025	$147,559	$146,949	$146,334	$142,045	$141,470	$140,892	$140,315	$139,736	$139,160	$1,618,363	

Notes:

(A) N/A

(B) Jan - Jun 2016 Line 6 x 10.36% x 1/12. Jul - Dec 2016 Line 6 x 9.80% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 5.12% (Jan-Jun) or 4.87% (Jul-Dec), and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002).

(C) Depreciation calculated in Above Ground Tank Secondary Containment section of Capital Program Detail file only on assets placed inservice. Calculated on that schedule as Line 2 x rate x 1/12. Depreciation Rate based on approved rates in Order PSC-10-0131-FOF-EI.

(D) Property tax calculated in Above Ground Tank Secondary Containment section of Capital Program Detail file only on assets placed inservice. Calculated on that schedule as Line 2 x rate x 1/12. Based on 2015 Effective Tax Rate on original cost.

(E) Line 9a x Line 10

(F) Line 9b x Line 11

(G) Project 4.1a is being treated as a regulatory asset and are being amortized over 3 years consistent with Order No. PSC-16-0535-FOF-EI.

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
Final True-Up
January 2016 - December 2016

Return on Capital Investments, Depreciation and Taxes
For Project: ABOVE GROUND TANK SECONDARY CONTAINMENT - Base (Project 4.2)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other (A)				0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$2,399,039	$2,399,039	$2,399,039	$2,399,039	$2,399,039	$2,399,039	$2,399,039	$2,399,039	$2,399,039	$2,399,039	$2,399,039	$2,399,039	$2,399,039	
3	Less: Accumulated Depreciation			100,001	96,969	93,937	90,905	87,873	84,841	81,809	78,777	75,745	72,713	69,681	66,649	63,617	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2+ 3 + 4)			$2,499,040	$2,496,008	$2,492,976	$2,489,944	$2,486,912	$2,483,880	$2,480,848	$2,477,816	$2,474,784	$2,471,752	$2,468,720	$2,465,688	$2,462,656	
6	Average Net Investment				$2,497,524	$2,494,492	$2,491,460	$2,488,428	$2,485,396	$2,482,364	$2,479,332	$2,476,300	$2,473,268	$2,470,236	$2,467,204	$2,464,172	
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.03%	1.87%		4,217	4,212	4,207	4,201	4,196	4,191	3,868	3,863	3,857	3,853	3,848	3,844	48,357
	b. Equity Component Grossed Up For Taxes	8.33%	7.92%		17,347	17,326	17,305	17,284	17,263	17,242	16,371	16,352	16,332	16,311	16,292	16,272	201,697
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation (C)				3,032	3,032	3,032	3,032	3,032	3,032	3,032	3,032	3,032	3,032	3,032	3,032	36,384
	b. Amortization				0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (D)				329	329	329	329	329	329	329	329	329	329	329	329	3,948
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$24,925	$24,899	$24,873	$24,846	$24,820	$24,794	$23,600	$23,576	$23,550	$23,525	$23,501	$23,477	290,386
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$24,925	$24,899	$24,873	$24,846	$24,820	$24,794	$23,600	$23,576	$23,550	$23,525	$23,501	$23,477	290,386
10	Energy Jurisdictional Factor				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11	Demand Jurisdictional Factor - Production (Base)				0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	
12	Retail Energy-Related Recoverable Costs (E)				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0
13	Retail Demand-Related Recoverable Costs (F)				23,152	23,127	23,103	23,078	23,054	23,030	21,921	21,899	21,874	21,851	21,829	21,807	269,725
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)				$23,152	$23,127	$23,103	$23,078	$23,054	$23,030	$21,921	$21,899	$21,874	$21,851	$21,829	$21,807	$269,725

Notes:

(A) N/A

(B) Jan - Jun 2016 Line 6 x 10.36% x 1/12. Jul - Dec 2016 Line 6 x 9.80% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 5.12% (Jan-Jun) or 4.87% (Jul-Dec), and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002).

(C) Depreciation calculated in Above Ground Tank Secondary Containment section of Capital Program Detail file only on assets placed inservice. Calculated on that schedule as Line 2 x rate x 1/12. Based on 2010 rate case Order PSC-10-0131-FOF-EI.

(D) Property tax calculated in Above Ground Tank Secondary Containment section of Capital Program Detail file only on assets placed inservice. Calculated on that schedule as Line 2 x rate x 1/12. Based on 2015 Effective Tax Rate on original cost.

(E) Line 9a x Line 10

(F) Line 9b x Line 11

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
Final True-Up
January 2016 - December 2016

Docket No. 170007-EI
Duke Energy Florida
Witness: C. A. Menendez
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Return on Capital Investments, Depreciation and Taxes
For Project: ABOVE GROUND TANK SECONDARY CONTAINMENT - Intermediate (Project 4.3)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other (A)				0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$290,297	$290,297	$290,297	$290,297	$290,297	$290,297	$290,297	$290,297	$290,297	$290,297	$290,297	$290,297	$290,297	
3	Less: Accumulated Depreciation			(60,186)	(60,711)	(61,236)	(61,761)	(62,286)	(62,811)	(63,336)	(63,861)	(64,386)	(64,911)	(65,436)	(65,961)	(66,486)	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2+ 3 + 4)			$230,112	$229,587	$229,062	$228,537	$228,012	$227,487	$226,962	$226,437	$225,912	$225,387	$224,862	$224,337	$223,812	
6	Average Net Investment				$229,849	$229,324	$228,799	$228,274	$227,749	$227,224	$226,699	$226,174	$225,649	$225,124	$224,599	$224,074	
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.03%	1.87%		388	387	386	385	385	384	354	353	352	351	350	350	4,425
	b. Equity Component Grossed Up For Taxes	8.33%	7.92%		1,596	1,593	1,589	1,586	1,582	1,578	1,497	1,493	1,490	1,487	1,483	1,480	18,454
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation (C)				525	525	525	525	525	525	525	525	525	525	525	525	6,300
	b. Amortization				0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (D)				205	205	205	205	205	205	205	205	205	205	205	205	2,460
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$2,714	$2,710	$2,705	$2,701	$2,697	$2,692	$2,581	$2,576	$2,572	$2,568	$2,563	$2,560	31,639
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$2,714	$2,710	$2,705	$2,701	$2,697	$2,692	$2,581	$2,576	$2,572	$2,568	$2,563	$2,560	31,639
10	Energy Jurisdictional Factor				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11	Demand Jurisdictional Factor - Production (Intermediate)				0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	
12	Retail Energy-Related Recoverable Costs (E)				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0
13	Retail Demand-Related Recoverable Costs (F)				1,973	1,970	1,967	1,964	1,961	1,957	1,876	1,873	1,870	1,867	1,863	1,861	23,003
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)				$1,973	$1,970	$1,967	$1,964	$1,961	$1,957	$1,876	$1,873	$1,870	$1,867	$1,863	$1,861	$23,003

Notes:

(A) N/A

(B) Jan - Jun 2016 Line 6 x 10.36% x 1/12. Jul - Dec 2016 Line 6 x 9.80% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 5.12% (Jan-Jun) or 4.87% (Jul-Dec), and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002).

(C) Depreciation calculated in Above Ground Tank Secondary Containment section of Capital Program Detail file only on assets placed inservice. Calculated on that schedule as Line 2 x rate x 1/12. Depreciation Rate based on approved rates in Order PSC-10-0131-FOF-EI.

(D) Property tax calculated in Above Ground Tank Secondary Containment section of Capital Program Detail file only on assets placed inservice. Calculated on that schedule as Line 2 x rate x 1/12. Based on 2015 Effective Tax Rate on original cost.

(E) Line 9a x Line 10

(F) Line 9b x Line 11

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
Final True-Up
January 2016 - December 2016

Docket No. 170007-EI
Duke Energy Florida
Witness: C. A. Menendez
Exh. No. __ (CAM-1)
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SO2 and NOx EMISSIONS ALLOWANCES - Energy (Project 5)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Working Capital Dr (Cr)																
	a. 0158150 SO2 Emission Allowance Inventory			$3,398,224	$3,398,224	$3,394,169	$3,391,887	$3,388,900	$3,385,133	$3,379,561	$3,371,512	$3,363,036	$3,356,020	$3,349,656	$3,344,599	$3,339,238	$3,339,238
	b. 0254020 Auctioned SO2 Allowance			(4,282)	(4,282)	(4,282)	(4,282)	(4,355)	(4,346)	(4,337)	(4,328)	(4,319)	(4,310)	(4,300)	(4,291)	(4,282)	($4,282)
	c. 0158170 NOx Emission Allowance Inventory			65,869	65,869	65,869	65,869	65,869	65,869	50,962	34,843	17,075	34,256	75,394	75,394	75,394	75,394
	d. Other NOX Reg Asset (F)			7,258,313	6,955,883	6,653,453	6,351,024	6,048,594	5,746,164	5,443,735	5,141,305	4,838,875	4,536,445	4,234,016	3,931,586	3,629,156	3,629,156
2	Total Working Capital			$10,718,124	$10,415,694	$10,109,209	$9,804,497	$9,499,008	$9,192,820	$8,869,920	$8,543,332	$8,214,668	$7,922,411	$7,654,765	$7,347,287	$7,039,505	$7,039,505
3	Average Net Investment				$10,566,909	$10,262,451	$9,956,853	$9,651,753	$9,345,914	$9,031,370	$8,706,626	$8,379,000	$8,068,539	$7,788,588	$7,501,026	$7,193,396	
4	Return on Average Net Working Capital Balance (A	Jan-Jun	Jul-Dec														
	a. Debt Component	2.03%	1.87%		17,842	17,328	16,812	16,297	15,780	15,249	13,581	13,070	12,586	12,149	11,700	11,220	173,614
	b. Equity Component Grossed Up For Taxes	8.33%	7.92%		73,395	71,280	69,157	67,038	64,914	62,729	57,491	55,328	53,278	51,429	49,531	47,499	723,069
5	Total Return Component (B)				$91,237	$88,608	$85,969	$83,335	$80,694	$77,978	$71,072	$68,398	$65,864	$63,578	$61,231	$58,719	896,683
6	Expense Dr (Cr)																
	a. 0509030 SO_2 Allowance Expense				$0	$4,055	$2,282	$2,986	$3,768	$5,572	$8,049	$8,476	$7,016	$6,363	$5,058	$5,361	$58,987
	b. 0407426 Amortization Expense				$0	$0	$0	($36)	($9)	($9)	($9)	($9)	($9)	($9)	($9)	($9)	(108)
	c. 0509212 NOx Allowance Expense				$0	$0	$0	$0	$0	$14,907	$16,118	$17,768	$81,820	$243,862	$0	$0	374,475
	d. Other				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0
7	Net Expense (C)				0	4,055	2,282	2,950	3,759	20,470	24,159	26,235	88,827	250,216	5,049	5,352	433,354
8	Amortization of NOx CAIR Emission Allowances (F)				302,430	302,430	302,430	302,430	302,430	302,430	302,430	302,430	302,430	302,430	302,430	302,430	3,629,156
9	Total System Recoverable Expenses (Lines 5 + 7 + 8)				$393,667	$395,093	$390,681	$388,715	$386,882	$400,878	$397,660	$397,062	$457,120	$616,224	$368,709	$366,501	4,959,193
	a. Recoverable Costs Allocated to Energy				91,237	92,663	88,251	86,285	84,453	98,448	95,231	94,633	154,691	313,794	66,280	64,071	1,330,037
	b. Recoverable Costs Allocated to Demand				$302,430	$302,430	$302,430	$302,430	$302,430	$302,430	$302,430	$302,430	$302,430	$302,430	$302,430	$302,430	3,629,156
10	Energy Jurisdictional Factor				0.96010	0.97350	0.96960	0.94900	0.96800	0.94840	0.94230	0.94630	0.94100	0.95020	0.96720	0.96970	
11	NOx Regulatory Asset Energy Factor (12/2014) (F)				0.97930	0.97930	0.97930	0.97930	0.97930	0.97930	0.97930	0.97930	0.97930	0.97930	0.97930	0.97930	
12	Retail Energy-Related Recoverable Costs (D)				$87,597	$90,208	$85,568	$81,885	$81,750	$93,368	$89,736	$89,551	$145,564	$298,167	$64,106	$62,130	1,269,629
13	Retail Demand-Related Recoverable Costs (E)				$296,169	$296,169	$296,169	$296,169	$296,169	$296,169	$296,169	$296,169	$296,169	$296,169	$296,169	$296,169	3,554,033
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)				$383,766	$386,377	$381,738	$378,054	$377,920	$389,538	$385,905	$385,720	$441,733	$594,337	$360,275	$358,299	$4,823,662

Notes:

(A) Jan - Jun 2016 Line 6 x 10.36% x 1/12. Jul - Dec 2016 Line 6 x 9.80% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 5.12% (Jan-Jun) or 4.87% (Jul-Dec), and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002).

(B) Line 5 is reported on Capital Schedule

(C) Line 7 is reported on O&M Schedule

(D) Line 9a x Line 10

(E) Line 9b x Line 11

(F) Unusable NOx emission allowances due to expiration of Clean Air Interstate Rile (CAIR) on 12/31/14 replaced by Cross State Air Pollution Rule (CSAPR) on 1/1/15. DEF is treating these costs as a regulatory asset and amortizing these costs over 3 years consistent with Order No. PSC-11-0553-FOF-EI.

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
Final True-Up
January 2016 - December 2016

Docket No. 170007-EI
Duke Energy Florida
Witness: C. A. Menendez
Exh. No. __ (CAM-1)
Page 14 of 27

Return on Capital Investments, Depreciation and Taxes
For Project: CAIR/CAMR - Peaking (Project 7.2 - CT Emission Monitoring Systems)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	134,012	0	0	0	0	0	0	0	0	0	
	d. Other (A)				0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$1,936,108	$1,936,108	$1,936,108	$1,802,096	$1,802,096	$1,802,096	$1,802,096	$1,802,096	$1,802,096	$1,802,096	$1,802,096	$1,802,096	$1,802,096	
3	Less: Accumulated Depreciation			(346,416)	(349,966)	(353,516)	(223,054)	(342,561)	(345,975)	(349,389)	(352,803)	(356,217)	(359,631)	(363,045)	(366,459)	(369,873)	
3a	Regulatory Asset Balance (G)			0	0	0	0	112,868	109,643	106,418	103,193	99,969	96,744	93,519	90,294	87,069	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)			$1,589,692	$1,586,142	$1,582,592	$1,579,042	$1,572,403	$1,565,765	$1,559,126	$1,552,487	$1,545,848	$1,539,209	$1,532,571	$1,525,932	$1,519,293	
6	Average Net Investment				$1,587,917	$1,584,367	$1,580,817	$1,575,723	$1,569,084	$1,562,445	$1,555,806	$1,549,168	$1,542,529	$1,535,890	$1,529,251	$1,522,612	
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.03%	1.87%		2,681	2,675	2,669	2,661	2,649	2,638	2,427	2,416	2,406	2,396	2,385	2,375	30,378
	b. Equity Component Grossed Up For Taxes	8.33%	7.92%		11,029	11,005	10,980	10,945	10,898	10,852	10,273	10,229	10,186	10,142	10,098	10,054	126,691
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation (C)	Varies			3,550	3,550	3,550	3,414	3,414	3,414	3,414	3,414	3,414	3,414	3,414	3,414	41,376
	b. Amortization (G)				0	0	0	3,225	3,225	3,225	3,225	3,225	3,225	3,225	3,225	3,225	29,023
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (D)	Varies			1,526	1,526	1,526	1,396	1,396	1,396	1,396	1,396	1,396	1,396	1,396	1,396	17,142
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$18,786	$18,756	$18,725	$21,641	$21,582	$21,525	$20,735	$20,680	$20,627	$20,573	$20,518	$20,464	244,610
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$18,786	$18,756	$18,725	$21,641	$21,582	$21,525	$20,735	$20,680	$20,627	$20,573	$20,518	$20,464	244,610
10	Energy Jurisdictional Factor				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11	Demand Jurisdictional Factor - Production (Peaking)				0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	
12	Retail Energy-Related Recoverable Costs (E)				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0
13	Retail Demand-Related Recoverable Costs (F)				18,020	17,992	17,962	20,759	20,702	20,647	19,890	19,837	19,786	19,734	19,681	19,630	234,640
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)				$18,020	$17,992	$17,962	$20,759	$20,702	$20,647	$19,890	$19,837	$19,786	$19,734	$19,681	$19,630	$234,640

Notes:

(A) N/A

(B) Jan - Jun 2016 Line 6 x 10.36% x 1/12. Jul - Dec 2016 Line 6 x 9.80% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 5.12% (Jan-Jun) or 4.87% (Jul-Dec), and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002).

(C) Depreciation calculated in Pipeline Integrity Management section of Capital Program Detail file only on assets placed inservice. Calculated on that schedule as Line 2 x rate x 1/12. Depreciation Rate based on approved rates in Order PSC-10-0131-FOF-EI.

(D) Property tax calculated in Pipeline Integrity Management section of Capital Program Detail file only on assets placed inservice. Calculated on that schedule as Line 2 x rate x 1/12. Based on 2015 Effective Tax Rate on original cost.

(E) Line 9a x Line 10

(F) Line 9b x Line 11

(G) Project 7.2g is being treated as a regulatory asset and is being amortized over 3 years consistent with Order No. PSC-16-0535-FOF-EI.

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
Final True-Up
January 2016 - December 2016

Return on Capital Investments, Depreciation and Taxes
For Project: CAIR/CAMR - Base (Project 7.4 - Crystal River)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$11,658	$212,553	$243,297	$142,263	$140,691	$155,490	$905,951
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other (A)				0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$3,930,012	$3,930,012	$3,930,012	$3,930,012	$3,930,012	$3,930,012	$3,930,012	$3,930,012	$3,930,012	$3,930,012	$3,930,012	$3,930,012	$3,930,012	
3	Less: Accumulated Depreciation			(106,259)	(113,845)	(121,431)	(129,017)	(136,603)	(144,189)	(151,775)	(159,361)	(166,947)	(174,533)	(182,119)	(161,450)	(197,291)	
4	CWIP - AFUDC-Interest Bearing			0	0	0	0	0	0	0	11,658	224,211	467,508	609,771	750,461	905,951	
5	Net Investment (Lines 2 + 3 + 4)			$3,823,754	$3,816,168	$3,808,582	$3,800,996	$3,793,410	$3,785,824	$3,778,238	$3,782,310	$3,987,277	$4,222,987	$4,357,664	$4,519,024	$4,638,673	
6	Average Net Investment				$3,819,961	$3,812,375	$3,804,789	$3,797,203	$3,789,617	$3,782,031	$3,780,274	$3,884,793	$4,105,132	$4,290,326	$4,438,344	$4,578,848	
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.03%	1.87%		6,450	6,437	6,424	6,412	6,399	6,386	5,897	6,060	6,403	6,692	6,923	7,120	77,603
	b. Equity Component Grossed Up For Taxes	8.33%	7.92%		26,532	26,480	26,427	26,374	26,322	26,269	24,962	25,652	27,107	28,330	29,307	30,140	323,902
	c. Other (F)				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation (C)				7,586	7,586	7,586	7,586	7,586	7,586	7,586	7,586	7,586	7,586	(20,669)	7,586	62,777
	b. Amortization				0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (D)				558	558	558	558	558	558	558	558	558	558	558	558	6,696
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$41,126	$41,061	$40,995	$40,930	$40,865	$40,799	$39,003	$39,856	$41,654	$43,166	$16,119	$45,404	470,978
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$41,126	$41,061	$40,995	$40,930	$40,865	$40,799	$39,003	$39,856	$41,654	$43,166	$16,119	$45,404	470,978
10	Energy Jurisdictional Factor				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11	Demand Jurisdictional Factor - Production (Base)				0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	
12	Retail Energy-Related Recoverable Costs (E)				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0
13	Retail Demand-Related Recoverable Costs (F)				38,200	38,140	38,078	38,018	37,957	37,896	36,228	37,020	38,690	40,095	14,972	42,174	437,468
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)				$38,200	$38,140	$38,078	$38,018	$37,957	$37,896	$36,228	$37,020	$38,690	$40,095	$14,972	$42,174	$437,468

Notes:

(A) N/A

(B) Jan - Jun 2016 Line 6 x 10.36% x 1/12. Jul - Dec 2016 Line 6 x 9.80% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 5.12% (Jan-Jun) or 4.87% (Jul-Dec), and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002).

(C) Depreciation calculated only on assets placed in-service which appear in CAIR Crystal River section of Capital Program Detail file. Calculated on that schedule as Line 2 x rate x 1/12. Depreciation Rate based on approved rates in Order PSC-10-0131-FOF-EI.

(D) Property taxes calculated only on assets placed in-service which appear in CAIR Crystal River section of Capital Program Detail file. Calculated on that schedule as Line 2 x rate x 1/12. Based on 2015 Effective Tax Rate on original cost.

(E) Line 9a x Line 10

(F) Line 9b x Line 11

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
Final True-Up
January 2016 - December 2016

Docket No. 170007-EI
Duke Energy Florida
Witness: C. A. Menendez
Exh. No. __ (CAM-1)
Page 16 of 27

Schedule of Amortization and Return
For Project: CAIR/CAMR - Energy (Project 7.4 - Reagents and By-Products)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Working Capital Dr (Cr)																
	a. 0154401 Ammonia Inventory			$11,276	$82,552	$9,434	$35,636	$73,857	$69,349	$73,451	$131,026	$77,670	$147,302	$100,768	$33,889	$72,841	72,841
	b. 0154200 Limestone Inventory (F)			932,495	1,004,126	1,087,247	1,080,887	1,006,199	973,501	1,075,224	1,190,346	1,241,577	1,283,484	1,282,993	1,333,521	1,312,683	1,312,683
2	Total Working Capital			$943,771	1,086,678	1,096,681	1,116,523	1,080,057	1,042,850	1,148,675	1,321,373	1,319,247	1,430,787	1,383,761	1,367,410	1,385,523	1,385,523
3	Average Net Investment				1,015,224	1,091,679	1,106,602	1,098,290	1,061,454	1,095,763	1,235,024	1,320,310	1,375,017	1,407,274	1,375,586	1,376,467	
4	Return on Average Net Working Capital Balance (A)	Jan-Jun	Jul-Dec														
	a. Debt Component (F)	2.03%	1.87%		1,714	1,843	1,868	1,854	(897)	1,850	1,926	2,059	2,145	2,195	2,146	2,147	$20,850
	b. Equity Component Grossed Up For Taxes (F)	8.33%	7.92%		7,051	7,583	7,686	7,628	(3,696)	7,611	8,155	8,718	9,079	9,292	9,083	9,089	87,279
5	Total Return Component (B)				8,765	9,426	9,554	9,482	(4,594)	9,461	10,081	10,777	11,224	11,487	11,229	11,236	108,128
6	Expense Dr (Cr)																
	a. 502030 Ammonia Expense				212,534	234,810	199,888	299,816	331,358	405,210	424,857	420,942	345,711	392,739	355,520	323,567	3,946,952
	b. 502040 Limestone Expense				290,822	293,577	223,261	384,182	337,014	520,602	530,631	582,988	384,832	464,410	438,753	538,385	4,989,456
	c. 502050 Dibasic Acid Expense				0	0	0	0	0	0	0	0	0	0	0	0	0
	d. 502070 Gypsum Disposal/Sale				312,096	219,059	277,142	156,221	169,555	2,650	114,086	101,322	194,900	192,266	154,928	153,180	2,047,407
	e. 502040 Hydrated Lime Expense				235,598	199,576	127,435	285,407	239,579	366,274	431,723	353,212	236,400	261,970	246,365	315,551	3,299,091
	f. 502300 Caustic Expense				0	0	0	0	0	0	0	0	0	16,106	0	0	16,106
7	Net Expense (C)				1,051,049	947,023	827,725	1,125,627	1,077,506	1,294,737	1,501,296	1,458,464	1,161,844	1,327,492	1,195,566	1,330,683	14,299,012
8	Total System Recoverable Expenses (Lines 5 + 7)				$1,059,814	$956,449	$837,279	$1,135,109	$1,072,912	$1,304,198	$1,511,377	$1,469,241	$1,173,068	$1,338,979	$1,206,795	$1,341,919	$14,407,140
	a. Recoverable Costs Allocated to Energy				1,059,814	956,449	837,279	1,135,109	1,072,912	1,304,198	1,511,377	1,469,241	1,173,068	1,338,979	1,206,795	1,341,919	$14,407,140
	b. Recoverable Costs Allocated to Demand				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	Energy Jurisdictional Factor				0.96010	0.97350	0.96960	0.94900	0.96800	0.94840	0.94230	0.94630	0.94100	0.95020	0.96720	0.96970	
10	Demand Jurisdictional Factor				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11	Retail Energy-Related Recoverable Costs (D)				$1,017,528	$931,103	$811,826	$1,077,218	$1,038,579	$1,236,901	$1,424,171	$1,390,343	$1,103,857	$1,272,298	$1,167,212	$1,301,259	$13,772,294
12	Retail Demand-Related Recoverable Costs (E)				0	0	0	0	0	0	0	0	0	0	0	0	0
13	Total Jurisdictional Recoverable Costs (Lines 11 + 12)				$1,017,528	$931,103	$811,826	$1,077,218	$1,038,579	$1,236,901	$1,424,171	$1,390,343	$1,103,857	$1,272,298	$1,167,212	$1,301,259	$13,772,294

Notes:

(A) Jan - Jun 2016 Line 6 x 10.36% x 1/12. Jul - Dec 2016 Line 6 x 9.80% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 5.12% (Jan-Jun) or 4.87% (Jul-Dec), and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002).
(B) Line 5 is reported on Capital Schedule
(C) Line 7 is reported on O&M Schedule
(D) Line 8a x Line 9
(E) Line 8b x Line 10
(F) The May 2016 total includes a credit resulting from an adjustment to limestone inventory.

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Return on Capital Investments, Depreciation and Taxes
For Project: BART (Project 7.5)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other (A)				0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$0	0	0	0	0	0	0	0	0	0	0	0	0	
3	Less: Accumulated Depreciation			0	0	0	0	0	0	0	0	0	0	0	0	0	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	
6	Average Net Investment				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.03%	1.87%		0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Equity Component Grossed Up For Taxes	8.33%	7.92%		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Other (G)				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation (C)	2.5600%			0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Amortization				0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (D)	0.009645			0	0	0	0	0	0	0	0	0	0	0	0	0
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0
10	Energy Jurisdictional Factor				0.96010	0.97350	0.96960	0.94900	0.96800	0.94840	0.95940	0.95946	0.96400	0.95412	0.97199	0.97344	
11	Demand Jurisdictional Factor				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
12	Retail Energy-Related Recoverable Costs (E)				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
13	Retail Demand-Related Recoverable Costs (F)				0	0	0	0	0	0	0	0	0	0	0	0	0
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

Notes:
(A) N/A
(B) Jan - Jun 2016 Line 6 x 10.36% x 1/12. Jul - Dec 2016 Line 6 x 9.80% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 5.12% (Jan-Jun) or 4.87% (Jul-Dec), and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002).
(C) Line 2 x rate x 1/12. Depreciation rate based on approved rates in Order PSC-10-0131-FOF-EI.
(D) Line 2 x rate x 1/12. Based on 2015 Effective Tax Rate on original cost.
(E) Line 9a x Line 10
(F) Line 9b x Line 11

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
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Return on Capital Investments, Depreciation and Taxes
For Project: SEA TURTLE - COASTAL STREET LIGHTING - (Project 9)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other (A)				0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$11,324	$11,324	$11,324	$11,324	$11,324	$11,324	$11,324	$11,324	$11,324	$11,324	$11,324	$11,324	$11,324	
3	Less: Accumulated Depreciation			(2,654)	(2,683)	(2,712)	(2,741)	(2,770)	(2,799)	(2,828)	(2,857)	(2,886)	(2,915)	(2,944)	(2,973)	(3,002)	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)			$8,670	$8,641	$8,612	$8,583	$8,554	$8,525	$8,496	$8,467	$8,438	$8,409	$8,380	$8,351	$8,322	
6	Average Net Investment				$8,656	$8,627	$8,598	$8,569	$8,540	$8,511	$8,482	$8,453	$8,424	$8,395	$8,366	$8,337	
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.03%	1.87%		15	15	15	14	14	14	13	13	13	13	13	13	165
	b. Equity Component Grossed Up For Taxes	8.33%	7.92%		60	60	60	60	59	59	56	56	56	55	55	55	691
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation (C)	3.0658%			29	29	29	29	29	29	29	29	29	29	29	29	348
	b. Amortization				0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (D)	0.9414%			9	9	9	9	9	9	9	9	9	9	9	9	108
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$113	$113	$113	$112	$111	$111	$107	$107	$107	$106	$106	$106	1,312
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$113	$113	$113	$112	$111	$111	$107	$107	$107	$106	$106	$106	1,312
10	Energy Jurisdictional Factor				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11	Demand Jurisdictional Factor - (Distribution)				0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	
12	Retail Energy-Related Recoverable Costs (E)				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0
13	Retail Demand-Related Recoverable Costs (F)				113	113	113	112	111	111	107	107	107	106	106	106	1,306
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)				$113	$113	$113	$112	$111	$111	$107	$107	$107	$106	$106	$106	$1,306

Notes:
(A) N/A
(B) Jan - Jun 2016 Line 6 x 10.36% x 1/12. Jul - Dec 2016 Line 6 x 9.80% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 5.12% (Jan-Jun) or 4.87% (Jul-Dec), and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002).
(C) Line 2 x rate x 1/12. Depreciation Rate based on approved rates in Order PSC-10-0131-FOF-EI.
(D) Line 2 x rate x 1/12. Based on 2015 Effective Tax Rate on original cost.
(E) Line 9a x Line 10
(F) Line 9b x Line 11

DUKE ENERGY FLORIDA, LLC
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Return on Capital Investments, Depreciation and Taxes
For Project: UNDERGROUND STORAGE TANKS - Base (Project 10.1)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other (A)				0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$168,941	$168,941	$168,941	$168,941	$168,941	$168,941	$168,941	$168,941	$168,941	$168,941	$168,941	$168,941	$168,941	
3	Less: Accumulated Depreciation			(35,344)	(35,640)	(35,936)	(36,232)	(36,528)	(36,824)	(37,120)	(37,416)	(37,712)	(38,008)	(38,304)	(38,600)	(38,896)	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)			$133,597	$133,301	$133,005	$132,709	$132,413	$132,117	$131,821	$131,525	$131,229	$130,933	$130,637	$130,341	$130,045	
6	Average Net Investment				$133,449	$133,153	$132,857	$132,561	$132,265	$131,969	$131,673	$131,377	$131,081	$130,785	$130,489	$130,193	
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.03%	1.87%		225	225	224	224	223	223	205	205	204	204	204	203	2,569
	b. Equity Component Grossed Up For Taxes	8.33%	7.92%		927	925	923	921	919	917	869	868	866	864	862	860	10,721
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation (C)	2.1000%			296	296	296	296	296	296	296	296	296	296	296	296	3,552
	b. Amortization				0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (D)	0.8573%			121	121	121	121	121	121	121	121	121	121	121	121	1,452
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$1,569	$1,567	$1,564	$1,562	$1,559	$1,557	$1,491	$1,490	$1,487	$1,485	$1,483	$1,480	18,294
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$1,569	$1,567	$1,564	$1,562	$1,559	$1,557	$1,491	$1,490	$1,487	$1,485	$1,483	$1,480	18,294
10	Energy Jurisdictional Factor				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11	Demand Jurisdictional Factor - Production (Base)				0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	
12	Retail Energy-Related Recoverable Costs (E)				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0
13	Retail Demand-Related Recoverable Costs (F)				1,457	1,456	1,453	1,451	1,448	1,446	1,385	1,384	1,381	1,379	1,377	1,375	16,992
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)				$1,457	$1,456	$1,453	$1,451	$1,448	$1,446	$1,385	$1,384	$1,381	$1,379	$1,377	$1,375	$16,992

Notes:

(A) N/A

(B) Jan - Jun 2016 Line 6 x 10.36% x 1/12. Jul - Dec 2016 Line 6 x 9.80% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 5.12% (Jan-Jun) or 4.87% (Jul-Dec), and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002).

(C) Line 2 x rate x 1/12. Depreciation rate based on approved rates in Order PSC-10-0131-FOF-EI.

(D) Line 2 x rate x 1/12. Based on 2015 Effective Tax Rate on original cost.

(E) Line 9a x Line 10

(F) Line 9b x Line 11

DUKE ENERGY FLORIDA, LLC
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Duke Energy Florida
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Return on Capital Investments, Depreciation and Taxes
For Project: UNDERGROUND STORAGE TANKS - Intermediate (10.2)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other (A)				0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$76,006	$76,006	$76,006	$76,006	$76,006	$76,006	$76,006	$76,006	$76,006	$76,006	$76,006	$76,006	$76,006	
3	Less: Accumulated Depreciation			(21,785)	(21,988)	(22,191)	(22,394)	(22,597)	(22,800)	(23,003)	(23,206)	(23,409)	(23,612)	(23,815)	(24,018)	(24,221)	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)			$54,221	$54,018	$53,815	$53,612	$53,409	$53,206	$53,003	$52,800	$52,597	$52,394	$52,191	$51,988	$51,785	
6	Average Net Investment				$54,120	$53,917	$53,714	$53,511	$53,308	$53,105	$52,902	$52,699	$52,496	$52,293	$52,090	$51,887	
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.03%	1.87%		91	91	91	90	90	90	83	82	82	82	81	81	1,034
	b. Equity Component Grossed Up For Taxes	8.33%	7.92%		376	374	373	372	370	369	349	348	347	345	344	343	4,310
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation (C)	3.2000%			203	203	203	203	203	203	203	203	203	203	203	203	2,436
	b. Amortization				0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (D)	0.9890%			63	63	63	63	63	63	63	63	63	63	63	63	756
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$733	$731	$730	$728	$726	$725	$698	$696	$695	$693	$691	$690	8,536
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$733	$731	$730	$728	$726	$725	$698	$696	$695	$693	$691	$690	8,536
10	Energy Jurisdictional Factor				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11	Demand Jurisdictional Factor - Production (Intermediate)				0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	
12	Retail Energy-Related Recoverable Costs (E)				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0
13	Retail Demand-Related Recoverable Costs (F)				533	531	531	529	528	527	507	506	505	504	502	502	6,206
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)				$533	$531	$531	$529	$528	$527	$507	$506	$505	$504	$502	$502	$6,206

Notes:
(A) N/A
(B) Jan - Jun 2016 Line 6 x 10.36% x 1/12. Jul - Dec 2016 Line 6 x 9.80% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 5.12% (Jan-Jun) or 4.87% (Jul-Dec), and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002).
(C) Line 2 x rate x 1/12. Depreciation Rate based on approved rates in Order PSC-10-0131-FOF-EI.
(D) Line 2 x rate x 1/12. Based on 2015 Effective Tax Rate on original cost.
(E) Line 9a x Line 10
(F) Line 9b x Line 11

DUKE ENERGY FLORIDA, LLC
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Return on Capital Investments, Depreciation and Taxes
For Project: Effluent Limitation Guidelines CRN - Base (Project 15.1)
(in Dollars)

Line	Description		Beginning of Period Amount	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	End of Period Total
1	Investments															
	a. Expenditures/Additions			$0	$0	$0	$0	$0	$0	$0	$0	$15,298	$13,318	$50,669	$52,723	$132,009
	b. Clearings to Plant			0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements			0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other (A)			0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	
3	Less: Accumulated Depreciation		0	0	0	0	0	0	0	0	0	0	0	0	0	
4	CWIP - Non-Interest Bearing		0	0	0	0	0	0	0	0	0	15,298	28,616	79,286	132,009	
5	Net Investment (Lines 2 + 3 + 4)		$0	$0	$0	$0	$0	$0	$0	$0	$0	$15,298	$28,616	$79,286	$132,009	
6	Average Net Investment			$0	$0	$0	$0	$0	$0	$0	$0	$7,649	$21,957	$53,951	$105,647	
7	Return on Average Net Investment (B)	Jan-Jun Jul-Dec														
	a. Debt Component	2.03% 1.87%		0	0	0	0	0	0	0	0	12	34	84	165	295
	b. Equity Component Grossed Up For Taxes	8.33% 7.92%		0	0	0	0	0	0	0	0	51	145	356	698	1,250
	c. Other			0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses															
	a. Depreciation (C)	2.4700%		0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Amortization			0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (D)	0.1703%		0	0	0	0	0	0	0	0	0	0	0	0	0
	e. Other			0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)			$0	$0	$0	$0	$0	$0	$0	$0	$63	$179	$440	$863	1,545
	a. Recoverable Costs Allocated to Energy			0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand			$0	$0	$0	$0	$0	$0	$0	$0	$63	$179	$440	$863	1,545
10	Energy Jurisdictional Factor			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11	Demand Jurisdictional Factor - Production (Base)			0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	
12	Retail Energy-Related Recoverable Costs (E)			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0
13	Retail Demand-Related Recoverable Costs (F)			0	0	0	0	0	0	0	0	59	166	409	802	1,435
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)			$0	$0	$0	$0	$0	$0	$0	$0	$59	$166	$409	$802	$1,435

Notes:

(A) N/A

(B) Jan - Jun 2016 Line 6 x 10.36% x 1/12. Jul - Dec 2016 Line 6 x 9.80% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 5.12% (Jan-Jun) or 4.87% (Jul-Dec), and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002). See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU Docket No. 120007-EI.

(C) Line 2 x rate x 1/12. Depreciation rate based on approved rates in Order PSC-10-0131-FOF-EI.

(D) Line 2 x rate x 1/12. Based on 2015 Effective Tax Rate on original cost.

(E) Line 9a x Line 10

(F) Line 9b x Line 11

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
Final True-Up
January 2016 - December 2016

Return on Capital Investments, Depreciation and Taxes
For Project: NPDES - Intermediate (Project 16)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other (A)				0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$12,841,870	$12,841,870	$12,841,870	$12,841,870	$12,841,870	$12,841,870	$12,841,870	$12,841,870	$12,841,870	$12,841,870	$12,841,870	$12,841,870	$12,841,870	
3	Less: Accumulated Depreciation			(432,021)	(467,693)	(503,365)	(539,037)	(574,709)	(610,381)	(646,053)	(681,725)	(717,397)	(753,069)	(788,741)	(824,710)	(860,382)	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)			$12,409,849	$12,374,177	$12,338,505	$12,302,833	$12,267,161	$12,231,489	$12,195,817	$12,160,145	$12,124,473	$12,088,801	$12,053,129	$12,017,160	$11,981,488	
6	Average Net Investment				$12,392,013	$12,356,341	$12,320,669	$12,284,997	$12,249,325	$12,213,653	$12,177,981	$12,142,309	$12,106,637	$12,070,965	$12,035,145	$11,999,324	
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.03%	1.87%		20,924	20,864	20,803	20,743	20,683	20,623	18,996	18,940	18,884	18,829	18,773	18,717	237,779
	b. Equity Component Grossed Up For Taxes	8.33%	7.92%		86,072	85,824	85,576	85,328	85,081	84,833	80,413	80,178	79,942	79,707	79,470	79,234	991,658
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation (C)	3.3333%			35,672	35,672	35,672	35,672	35,672	35,672	35,672	35,672	35,672	35,672	35,969	35,672	428,361
	b. Amortization				0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (D)	0.9930%			10,627	10,627	10,627	10,627	10,627	10,627	10,627	10,627	10,627	10,627	10,627	10,627	127,524
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$153,295	$152,987	$152,678	$152,370	$152,063	$151,755	$145,708	$145,417	$145,125	$144,835	$144,839	$144,250	1,785,322
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$153,295	$152,987	$152,678	$152,370	$152,063	$151,755	$145,708	$145,417	$145,125	$144,835	$144,839	$144,250	1,785,322
10	Energy Jurisdictional Factor				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11	Demand Jurisdictional Factor - Production (Intermediate)				0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	
12	Retail Energy-Related Recoverable Costs (E)				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0
13	Retail Demand-Related Recoverable Costs (F)				111,450	111,226	111,001	110,778	110,554	110,330	105,934	105,723	105,510	105,299	105,302	104,874	1,297,983
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)				$111,450	$111,226	$111,001	$110,778	$110,554	$110,330	$105,934	$105,723	$105,510	$105,299	$105,302	$104,874	$1,297,983

Notes:

(A) N/A

(B) Jan - Jun 2016 Line 6 x 10.36% x 1/12. Jul - Dec 2016 Line 6 x 9.80% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 5.12% (Jan-Jun) or 4.87% (Jul-Dec), and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002). See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU Docket No. 120007-EI.

(C) Line 2 x rate x 1/12. Depreciation rate based on approved rates in Order PSC-10-0131-FOF-EI.

(D) Line 2 x rate x 1/12. Based on 2015 Effective Tax Rate on original cost.

(E) Line 9a x Line 10

(F) Line 9b x Line 11

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
Final True-Up
January 2016 - December 2016

Docket No. 170007-EI
Duke Energy Florida
Witness: C. A. Menendez
Exh. No. __ (CAM-1)
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Return on Capital Investments, Depreciation and Taxes
For Project: MERCURY & AIR TOXIC STANDARDS (MATS) - CRYSTAL RIVER UNITS 4 & 5 - Energy (Project 17)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$116,169	$111,531	($23,336)	$124,199	($18,670)	($170)	$0	$0	$0	$0	$0	$0	$309,724
	b. Clearings to Plant				116,169	111,531	(23,336)	124,199	(18,670)	(170)	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other (A)				0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$3,380,463	$3,496,632	$3,608,164	$3,584,828	$3,709,027	$3,690,357	$3,690,187	$3,690,187	$3,690,187	$3,690,187	$3,690,187	$3,690,187	$3,690,187	
3	Less: Accumulated Depreciation			(29,565)	(35,806)	(42,244)	(48,640)	(55,255)	(61,837)	(68,419)	(75,001)	(81,583)	(88,165)	(94,747)	(102,431)	(109,013)	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)			$3,350,898	$3,460,826	$3,565,920	$3,536,188	$3,653,772	$3,628,520	$3,621,768	$3,615,186	$3,608,604	$3,602,022	$3,595,440	$3,587,756	$3,581,174	
6	Average Net Investment				$3,405,862	$3,513,373	$3,551,054	$3,594,980	$3,641,146	$3,625,144	$3,618,477	$3,611,895	$3,605,313	$3,598,731	$3,591,598	$3,584,465	
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.03%	1.87%		5,751	5,932	5,996	6,070	6,148	6,121	5,644	5,634	5,624	5,613	5,602	5,584	69,719
	b. Equity Component Grossed Up For Taxes	8.33%	7.92%		23,656	24,403	24,665	24,970	25,290	25,179	23,893	23,850	23,807	23,763	23,716	23,669	290,861
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation (C)	Blended			6,241	6,438	6,396	6,615	6,582	6,582	6,582	6,582	6,582	6,582	7,684	6,582	79,448
	b. Amortization				0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (D)	0.1703%			496	512	509	526	524	524	524	524	524	524	524	524	6,235
	e. Other (E)				(597)	(597)	(597)	(597)	(597)	(597)	(597)	(597)	(597)	(597)	(597)	(597)	(7,160)
9	Total System Recoverable Expenses (Lines 7 + 8)				$35,547	$36,688	$36,969	$37,584	$37,947	$37,809	$36,046	$35,993	$35,940	$35,885	$36,929	$35,762	439,103
	a. Recoverable Costs Allocated to Energy				35,547	36,688	36,969	37,584	37,947	37,809	36,046	35,993	35,940	35,885	36,929	35,762	439,103
	b. Recoverable Costs Allocated to Demand				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0
10	Energy Jurisdictional Factor				0.96010	0.97350	0.96960	0.94900	0.96800	0.94840	0.94230	0.94630	0.94100	0.95020	0.96720	0.96970	
11	Demand Jurisdictional Factor				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
12	Retail Energy-Related Recoverable Costs (F)				$34,129	$35,716	$35,845	$35,668	$36,733	$35,858	$33,966	$34,061	$33,820	$34,098	$35,718	$34,679	420,292
13	Retail Demand-Related Recoverable Costs (G)				0	0	0	0	0	0	0	0	0	0	0	0	0
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)				$34,129	$35,716	$35,845	$35,668	$36,733	$35,858	$33,966	$34,061	$33,820	$34,098	$35,718	$34,679	$420,292

Notes:

(A) N/A

(B) Jan - Jun 2016 Line 6 x 10.36% x 1/12. Jul - Dec 2016 Line 6 x 9.80% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 5.12% (Jan-Jun) or 4.87% (Jul-Dec), and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002). See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU Docket No. 120007-EI.

(C) Line 2 x rate x 1/12. Depreciation rate based on approved rates in Order PSC-10-0131-FOF-EI.

(D) Line 2 x rate x 1/12. Based on 2015 Effective Tax Rate on original cost.

(E) Decrease in depreciation expense related to retired rate base assets as approved in Docket No. 990007-EI, Order No. PSC-99-2513-FOF-EI.

(F) Line 9a x Line 10

(G) Line 9b x Line 11

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
Final True-Up
January 2016 - December 2016

Docket No. 170007-EI
Duke Energy Florida
Witness: C. A. Menendez
Exh. No. __ (CAM-1)
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Return on Capital Investments, Depreciation and Taxes
For Project: MERCURY & AIR TOXIC STANDARDS (MATS) - ANCLOTE GAS CONVERSION - Energy (Project 17.1)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	($22,537)	$0	$0	($321,096)	$469,799	$0	$0	$0	($200,000)	$0	$0	($73,835)
	b. Clearings to Plant				0	(22,537)	0	0	(321,096)	469,799	0	0	0	(200,000)	0	0	
	c. Retirements				0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other - AFUDC (A)				0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$133,992,101	$133,992,101	$133,969,564	$133,969,564	$133,969,564	$133,648,468	$134,118,267	$134,118,267	$134,118,267	$134,118,267	$133,918,267	$133,918,267	$133,918,267	
3	Less: Accumulated Depreciation			(5,820,352)	(6,062,900)	(6,305,407)	(6,547,914)	(6,790,421)	(7,032,348)	(7,275,124)	(7,517,900)	(7,760,676)	(8,003,452)	(8,245,866)	(8,479,494)	(8,730,694)	
4	CWIP - AFUDC Bearing			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
5	Net Investment (Lines 2 + 3 + 4)			$128,171,750	$127,929,202	$127,664,158	$127,421,651	$127,179,144	$126,616,120	$126,843,143	$126,600,367	$126,357,591	$126,114,815	$125,672,401	$125,438,773	$125,187,573	
6	Average Net Investment				$128,050,476	$127,796,680	$127,542,904	$127,300,397	$126,897,632	$126,729,632	$126,721,755	$126,478,979	$126,236,203	$125,893,608	$125,555,587	$125,313,173	
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.03%	1.87%		216,213	215,785	215,356	214,947	214,267	213,983	197,665	197,286	196,907	196,373	195,846	195,410	2,470,038
	b. Equity Component Grossed Up For Taxes	8.33%	7.92%		889,404	887,642	885,879	884,195	881,397	880,230	836,766	835,163	833,560	831,297	829,065	827,436	10,302,034
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation (C)	Blended			242,548	242,507	242,507	242,507	241,927	242,776	242,776	242,776	242,776	242,414	233,628	242,414	2,901,556
	b. Amortization				0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (D)	0.8490%			94,799	94,783	94,783	94,783	94,556	94,889	94,889	94,889	94,889	94,747	94,747	94,747	1,137,501
	e. Other (E)				(14,794)	(14,794)	(14,794)	(14,794)	(14,794)	(14,794)	(14,794)	(14,794)	(14,794)	(14,794)	(14,794)	(14,794)	(177,534)
9	Total System Recoverable Expenses (Lines 7 + 8)			$1,428,170	$1,425,923	$1,423,731	$1,421,638	$1,417,353	$1,417,084	$1,357,302	$1,355,320	$1,353,338	$1,350,037	$1,338,492	$1,345,213	16,633,595	
	a. Recoverable Costs Allocated to Energy			1,428,170	1,425,923	1,423,731	1,421,638	1,417,353	1,417,084	1,357,302	1,355,320	1,353,338	1,350,037	1,338,492	1,345,213	16,633,595	
	b. Recoverable Costs Allocated to Demand			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0
10	Energy Jurisdictional Factor			0.96010	0.97350	0.96960	0.94900	0.96800	0.94840	0.94230	0.94630	0.94100	0.95020	0.96720	0.96970		
11	Demand Jurisdictional Factor			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
12	Retail Energy-Related Recoverable Costs (F)			$1,371,186	$1,388,136	$1,380,449	$1,349,134	$1,371,997	$1,343,962	$1,278,985	$1,282,539	$1,273,491	$1,282,805	$1,294,589	$1,304,453	15,921,725	
13	Retail Demand-Related Recoverable Costs (G)			0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)			$1,371,186	$1,388,136	$1,380,449	$1,349,134	$1,371,997	$1,343,962	$1,278,985	$1,282,539	$1,273,491	$1,282,805	$1,294,589	$1,304,453	$15,921,725	

Notes:

(A) N/A

(B) Jan - Jun 2016 Line 6 x 10.36% x 1/12. Jul - Dec 2016 Line 6 x 9.80% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 5.12% (Jan-Jun) or 4.87% (Jul-Dec), and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002). See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU Docket No. 120007-EI.

(C) Line 2 x rate x 1/12. Depreciation rate based on approved rates in Order PSC-10-0131-FOF-EI.

(D) Line 2 x rate x 1/12. Based on 2015 Effective Tax Rate on original cost.

(E) Decrease in depreciation expense related to retired rate base assets as approved in Docket No. 990007-EI, Order No. PSC-99-2513-FOF-EI.

(F) Line 9a x Line 10

(G) Line 9b x Line 11

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
Final True-Up
January 2016 - December 2016

Docket No. 170007-EI
Duke Energy Florida
Witness: C. A. Menendez
Exh. No. __ (CAM-1)
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Return on Capital Investments, Depreciation and Taxes
For Project: MERCURY & AIR TOXIC STANDARDS (MATS) - CRYSTAL RIVER UNITS 1 & 2 - Energy (Project 17.2)
(in Dollars)

Line	Description		Beginning of Period Amount	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	End of Period Total
1	Investments															
	a. Expenditures/Additions			($36,469)	$93,049	($12,689)	$24,826	$54,402	$8,662	$0	$0	$0	$0	$2,445	$866	$135,092
	b. Clearings to Plant			2,046,004	93,049	(12,689)	24,826	54,402	8,662	0	0	0	0	2,445	866	
	c. Retirements			0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other - AFUDC (A)			0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base		$20,235,099	$22,281,103	$22,374,152	$22,361,463	$22,386,289	$22,440,691	$22,449,353	$22,449,353	$22,449,353	$22,449,353	$22,449,353	$22,451,797	$22,452,664	
3	Less: Accumulated Depreciation		(505,446)	(567,818)	(636,807)	(705,756)	(774,781)	(843,974)	(913,195)	(982,416)	(1,051,637)	(1,120,858)	(1,190,079)	(1,240,369)	(1,328,537)	
4	CWIP - Non-Interest Bearing		2,505,597	423,125	423,125	423,125	423,125	423,125	423,125	423,125	423,125	423,125	423,125	228,410	228,410	
5	Net Investment (Lines 2 + 3 + 4)		$22,235,250	$22,136,409	$22,160,469	$22,078,831	$22,034,632	$22,019,841	$21,959,282	$21,890,061	$21,820,840	$21,751,619	$21,682,398	$21,439,838	$21,352,536	
6	Average Net Investment			$22,185,830	$22,148,439	$22,119,650	$22,056,732	$22,027,237	$21,989,562	$21,924,672	$21,855,451	$21,786,230	$21,717,009	$21,561,118	$21,396,187	
7	Return on Average Net Investment (B)	Jan-Jun Jul-Dec														
	a. Debt Component	2.03% 1.87%		37,461	37,398	37,349	37,243	37,193	37,129	34,199	34,091	33,983	33,875	25,848	33,339	419,108
	b. Equity Component Grossed Up For Taxes	8.33% 7.92%		154,097	153,837	153,637	153,200	152,995	152,734	144,772	144,315	143,858	143,401	109,416	141,220	1,747,482
	c. Other			0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses															
	a. Depreciation (C)	3.7000%		62,372	68,989	68,949	69,025	69,193	69,221	69,221	69,221	69,221	69,221	50,290	69,229	804,152
	b. Amortization			0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (D)	0.1703%		2,870	3,175	3,173	3,177	3,183	3,185	3,185	3,185	3,185	3,185	3,186	3,186	37,875
	e. Other (E)			(10,540)	(10,540)	(10,540)	(10,540)	(10,540)	(10,540)	(10,540)	(10,540)	(10,540)	(10,540)	(10,540)	(10,540)	(126,475)
9	Total System Recoverable Expenses (Lines 7 + 8)			$246,260	$252,859	$252,568	$252,105	$252,024	$251,729	$240,837	$240,272	$239,707	$239,142	$178,200	$236,434	2,882,142
	a. Recoverable Costs Allocated to Energy			246,260	252,859	252,568	252,105	252,024	251,729	240,837	240,272	239,707	239,142	178,200	236,434	2,882,142
	b. Recoverable Costs Allocated to Demand			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0
10	Energy Jurisdictional Factor			0.96010	0.97350	0.96960	0.94900	0.96800	0.94840	0.94230	0.94630	0.94100	0.95020	0.96720	0.96970	
11	Demand Jurisdictional Factor			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
12	Retail Energy-Related Recoverable Costs (F)			$236,435	$246,159	$244,890	$239,248	$243,960	$238,740	$226,941	$227,370	$225,565	$227,233	$172,355	$229,270	2,758,166
13	Retail Demand-Related Recoverable Costs (G)			0	0	0	0	0	0	0	0	0	0	0	0	0
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)			$236,435	$246,159	$244,890	$239,248	$243,960	$238,740	$226,941	$227,370	$225,565	$227,233	$172,355	$229,270	$2,758,166

Notes:

(A) N/A

(B) Jan - Jun 2016 Line 6 x 10.36% x 1/12. Jul - Dec 2016 Line 6 x 9.80% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 5.12% (Jan-Jun) or 4.87% (Jul-Dec), and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002). See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU Docket No. 120007-EI.

(C) Line 2 x rate x 1/12. Depreciation rate based on approved rates in Order PSC-10-0131-FOF-EI.

(D) Line 2 x rate x 1/12. Based on 2015 Effective Tax Rate on original cost.

(E) Decrease in depreciation expense related to retired rate base assets as approved in Docket No. 990007-EI, Order No. PSC-99-2513-FOF-EI.

(F) Line 9a x Line 10

(G) Line 9b x Line 11

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2016 - December 2016

Docket No. 170007-EI
Duke Energy Florida
Witness: C. A. Menendez
Exh. No. __ (CAM-1)
Page 26 of 27

Return on Capital Investments, Depreciation and Taxes
For Project: COAL COMBUSTION RESIDUAL (CCR) RULE - Base (Project 18)
(in Dollars)

Line	Description		Beginning of Period Amount	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	End of Period Total
1	Investments															
	a. Expenditures/Additions			$2,605	$85,704	($31,691)	$40,959	$25,063	$15,055	$10,965	$3,769	$16,841	$10,075	$1,541	$107,843	$288,728
	b. Clearings to Plant			0	0	0	0	0	0	0	0	0	0	0	97,585	
	c. Retirements			0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other (A)			0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base		$0	0	0	0	0	0	0	0	0	0	0	0	97,585	
3	Less: Accumulated Depreciation		0	0	0	0	0	0	0	0	0	0	0	0	0	
4	CWIP - Non-Interest Bearing		64,430	67,035	152,739	121,048	162,007	187,070	202,125	213,090	216,859	233,699	243,774	245,315	255,573	
5	Net Investment (Lines 2 + 3 + 4)		$64,430	$67,035	$152,739	$121,048	$162,007	$187,070	$202,125	$213,090	$216,859	$233,699	$243,774	$245,315	$353,158	
6	Average Net Investment			$65,733	$109,887	$136,894	$141,528	$174,539	$194,598	$207,608	$214,974	$225,279	$238,737	$244,544	$299,236	
7	Return on Average Net Investment (B)	Jan-Jun Jul-Dec														
	a. Debt Component	2.03% 1.87%		111	186	231	239	295	329	324	335	351	372	381	453	3,607
	b. Equity Component Grossed Up For Taxes	8.33% 7.92%		457	763	951	983	1,212	1,352	1,371	1,420	1,488	1,576	1,615	1,976	15,164
	c. Other			0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses															
	a. Depreciation (C)	2.1695%		0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Amortization			0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (D)	0.1703%		0	0	0	0	0	0	0	0	0	0	0	14	14
	e. Other			0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)			$568	$949	$1,182	$1,222	$1,507	$1,681	$1,695	$1,755	$1,839	$1,948	$1,996	$2,443	18,785
	a. Recoverable Costs Allocated to Energy			0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand			$568	$949	$1,182	$1,222	$1,507	$1,681	$1,695	$1,755	$1,839	$1,948	$1,996	$2,443	18,785
10	Energy Jurisdictional Factor			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11	Demand Jurisdictional Factor			0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	
12	Retail Energy-Related Recoverable Costs (E)			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
13	Retail Demand-Related Recoverable Costs (F)			528	881	1,098	1,135	1,400	1,561	1,574	1,630	1,708	1,809	1,854	2,269	17,448
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)			$528	$881	$1,098	$1,135	$1,400	$1,561	$1,574	$1,630	$1,708	$1,809	$1,854	$2,269	$17,448

Notes:

(A) N/A

(B) Jan - Jun 2016 Line 6 x 10.36% x 1/12. Jul - Dec 2016 Line 6 x 9.80% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 5.12% (Jan-Jun) or 4.87% (Jul-Dec), and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002). See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU Docket No. 120007-EI.

(C) Line 2 x rate x 1/12. Depreciation rate based on approved rates in Order PSC-10-0131-FOF-EI.

(D) Line 2 x rate x 1/12. Based on 2015 Effective Tax Rate on original cost.

(E) Line 9a x Line 10

(F) Line 9b x Line 11

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
Final True-Up
January 2016 - December 2016

Capital Structure and Cost Rates

Form 42-9A

Docket No. 170007-EI
Duke Energy Florida
Witness: C. A. Menendez
Exh. No. __ (CAM-1)

Class of Capital	Retail Amount	Ratio	Cost Rate	Weighted Cost Rate	PreTax Weighted Cost Rate
CE	$ 4,681,853	48.76%	0.10500	5.120%	8.335%
PS	-	0.00%	0.00000	0.000%	0.000%
LTD	3,672,596	38.25%	0.05187	1.984%	1.984%
STD	(90,568)	-0.94%	0.00170	-0.002%	-0.002%
CD-Active	182,163	1.90%	0.02306	0.044%	0.044%
CD-Inactive	1,306	0.01%	0.00000	0.000%	0.000%
ADIT	1,318,615	13.73%	0.00000	0.000%	0.000%
FAS 109	(164,391)	-1.71%	0.00000	0.000%	0.000%
ITC	498	0.01%	0.00000	0.000%	0.000%
Total	$ 9,602,073	100.00%		7.146%	10.361%
			Total Debt	2.026%	2.026%
			Total Equity	5.120%	8.335%

May 2015 DEF Surveillance Report capital structure and cost rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 120007-EI.

Class of Capital	Retail Amount	Ratio	Cost Rate	Weighted Cost Rate	PreTax Weighted Cost Rate
CE	$4,664,905	46.35%	0.10500	4.867%	7.924%
PS	-	0.00%	0.00000	0.000%	0.000%
LTD	3,327,189	33.06%	0.05470	1.809%	1.809%
STD	373,704	3.71%	0.00580	0.022%	0.022%
CD-Active	182,948	1.82%	0.02300	0.042%	0.042%
CD-Inactive	1,367	0.01%	0.00000	0.000%	0.000%
ADIT	1,674,675	16.64%	0.00000	0.000%	0.000%
FAS 109	(161,369)	-1.60%	0.00000	0.000%	0.000%
ITC	223	0.00%	0.00000	0.000%	0.000%
Total	$10,063,642	100.00%		6.739%	9.796%
			Total Debt	1.872%	1.872%
			Total Equity	4.867%	7.924%

May 2016 DEF Surveillance Report capital structure and cost rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 120007-EI.

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
Capital Program Detail

January 2016 - December 2016
Final True-Up
Docket No. 170007-EI

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause (ECRC)
Capital Programs Detail Support - January 2016 through December 2016
Pipeline Intergrity Management (Project 3 Recap)

For Project: PIPELINE INTEGRITY MANAGEMENT - Alderman Road Fence (Project 3.1a)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other				0	0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$33,952	$33,952	$33,952	$33,952	$33,952	$33,952	$33,952	$33,952	$33,952	$33,952	$33,952	$33,952	$33,952	
3	Less: Accumulated Depreciation			(9,337)	(9,390)	(9,443)	(9,496)	(9,549)	(9,602)	(9,655)	(9,708)	(9,761)	(9,814)	(9,867)	(9,920)	(9,973)	
3a	Regulatory Asset Balance			0	0	0	0	0	0	0	0	0	0	0	0	0	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)			$24,616	$24,563	$24,510	$24,457	$24,404	$24,351	$24,298	$24,245	$24,192	$24,139	$24,086	$24,033	$23,980	
6	Average Net Investment				24,589	24,536	24,483	24,430	24,377	24,324	24,271	24,218	24,165	24,112	24,059	24,006	
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.03%	1.87%		42	41	41	41	41	41	38	38	38	38	38	37	474
	b. Equity Component Grossed Up For Taxes	8.33%	7.92%		171	170	170	170	169	169	160	160	160	159	159	159	1,976
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation	1.8857%			53	53	53	53	53	53	53	53	53	53	53	53	636
	b. Amortization				0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes	0.009772			28	28	28	28	28	28	28	28	28	28	28	28	336
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$294	$292	$292	$292	$291	$291	$279	$279	$279	$278	$278	$277	$3,422
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$294	$292	$292	$292	$291	$291	$279	$279	$279	$278	$278	$277	$3,422

For Project: PIPELINE INTEGRITY MANAGEMENT - Pipeline Leak Detection (Project 3.1b)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	1,536,272	0	0	0	0	0	
	d. Other				0	0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$1,536,272	$1,536,272	$1,536,272	$1,536,272	$1,536,272	$1,536,272	$1,536,272	$1,536,272	$0	$0	$0	$0	$0	
3	Less: Accumulated Depreciation			(571,437)	(574,712)	(577,987)	(581,262)	(584,537)	(587,812)	(591,087)	(594,362)	938,635	0	0	0	0	
3a	Regulatory Asset Balance (B)			0	0	0	0	0	0	0	0	0	912,562	886,489	860,415	834,342	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)			$964,835	$961,560	$958,285	$955,010	$951,735	$948,460	$945,185	$941,910	$938,635	$912,562	$886,489	$860,415	$834,342	
6	Average Net Investment				963,198	959,923	956,648	953,373	950,098	946,823	943,548	940,273	925,598	899,525	873,452	847,379	
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.03%	1.87%		1,626	1,621	1,615	1,610	1,604	1,599	1,472	1,467	1,444	1,403	1,362	1,322	18,145
	b. Equity Component Grossed Up For Taxes	8.33%	7.92%		6,690	6,667	6,645	6,622	6,599	6,576	6,230	6,209	6,112	5,940	5,768	5,595	75,653
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation	2.5579%			3,275	3,275	3,275	3,275	3,275	3,275	3,275	3,275	0	0	0	0	26,200
	b. Amortization (B)				0	0	0	0	0	0	0	0	26,073	26,073	26,073	26,073	104,293
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes	0.009772			1,251	1,251	1,251	1,251	1,251	1,251	1,251	1,251	0	0	0	0	10,008
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$12,842	$12,814	$12,786	$12,758	$12,729	$12,701	$12,228	$12,202	$33,629	$33,416	$33,203	$32,990	$234,299
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$12,842	$12,814	$12,786	$12,758	$12,729	$12,701	$12,228	$12,202	$33,629	$33,416	$33,203	$32,990	$234,299

(A) The allowable return is per the methodology approved in Order No. PSC-12-0425-PAA-EU.
(B) Investment amortized over three years as approved in Order No. PSC-16-0535-FOF-EI.

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause (ECRC)
Capital Programs Detail Support - January 2016 through December 2016
Pipeline Intergrity Management (Project 3 Recap)

For Project: PIPELINE INTEGRITY MANAGEMENT - Pipeline Controls Upgrade (Project 3.1c)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	909,407	0	0	0	0	
	d. Other				0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$909,407	$909,407	$909,407	$909,407	$909,407	$909,407	$909,407	$909,407	$0	$0	$0	$0	$0	
3	Less: Accumulated Depreciation			(178,396)	(180,334)	(182,272)	(184,210)	(186,148)	(188,086)	(190,024)	(191,962)	715,506	0	0	0	0	
3a	Regulatory Asset Balance (B)			0	0	0	0	0	0	0	0	0	695,631	675,756	655,881	636,006	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)			$731,010	$729,072	$727,134	$725,196	$723,258	$721,320	$719,382	$717,444	$715,506	$695,631	$675,756	$655,881	$636,006	
6	Average Net Investment				730,041	728,103	726,165	724,227	722,289	720,351	718,413	716,475	705,569	685,694	665,818	645,943	
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.03%	1.87%		1,233	1,229	1,226	1,223	1,220	1,216	1,121	1,118	1,101	1,070	1,039	1,008	13,804
	b. Equity Component Grossed Up For Taxes	8.33%	7.92%		5,071	5,057	5,044	5,030	5,017	5,003	4,744	4,731	4,659	4,528	4,397	4,265	57,546
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation	2.5579%			1,938	1,938	1,938	1,938	1,938	1,938	1,938	1,938	0	0	0	0	15,504
	b. Amortization (B)				0	0	0	0	0	0	0	0	19,875	19,875	19,875	19,875	79,501
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes	0.009772			741	741	741	741	741	741	741	741	0	0	0	0	5,928
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$8,983	$8,965	$8,949	$8,932	$8,916	$8,898	$8,544	$8,528	$25,635	$25,473	$25,311	$25,148	$172,283
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$8,983	$8,965	$8,949	$8,932	$8,916	$8,898	$8,544	$8,528	$25,635	$25,473	$25,311	$25,148	$172,283

For Project: PIPELINE INTEGRITY MANAGEMENT - Control Room Management (Project 3.1d)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	135,074	0	0	0	0	
	d. Other				0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$135,074	$135,074	$135,074	$135,074	$135,074	$135,074	$135,074	$135,074	$0	$0	$0	$0	$0	
3	Less: Accumulated Depreciation			(18,336)	(18,714)	(19,092)	(19,470)	(19,848)	(20,226)	(20,604)	(20,982)	113,714	0	0	0	0	
3a	Regulatory Asset Balance (B)			0	0	0	0	0	0	0	0	0	110,555	107,397	104,238	101,079	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)			$116,738	$116,360	$115,982	$115,604	$115,226	$114,848	$114,470	$114,092	$113,714	$110,555	$107,397	$104,238	$101,079	
6	Average Net Investment				116,549	116,171	115,793	115,415	115,037	114,659	114,281	113,903	112,135	108,976	105,817	102,659	
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.03%	1.87%		197	196	196	195	194	194	178	178	175	170	165	160	2,198
	b. Equity Component Grossed Up For Taxes	8.33%	7.92%		810	807	804	802	799	796	755	752	740	720	699	678	9,162
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation	3.3596%			378	378	378	378	378	378	378	378	0	0	0	0	3,024
	b. Amortization (B)				0	0	0	0	0	0	0	0	3,159	3,159	3,159	3,159	12,635
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes	0.009772			110	110	110	110	110	110	110	110	0	0	0	0	880
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$1,495	$1,491	$1,488	$1,485	$1,481	$1,478	$1,421	$1,418	$4,074	$4,049	$4,023	$3,997	$27,899
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$1,495	$1,491	$1,488	$1,485	$1,481	$1,478	$1,421	$1,418	$4,074	$4,049	$4,023	$3,997	$27,899

(A) The allowable return is per the methodology approved in Order No. PSC-12-0425-PAA-EU.
(B) Investment amortized over three years as approved in Order No. PSC-16-0535-FOF-EI.

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause (ECRC)
Capital Programs Detail Support - January 2016 through December 2016
Above Ground Tank Secondary Containment (Projects 4.1 - 4.3 Recap)

For Project: ABOVE GROUND TANK SECONDARY CONTAINMENT - TURNER CTs (Project 4.1a)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	2,066,600	0	0	0	0	0	0	0	0	0	
	d. Other				0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$2,066,600	$2,066,600	$2,066,600	0	0	0	0	0	0	0	0	0	0	
3	Less: Accumulated Depreciation			(405,663)	(410,821)	(415,979)	1,645,463	0	0	0	0	0	0	0	0	0	
3a	Regulatory Asset Balance (B)			0	0	0	0	1,599,756	1,554,049	1,508,342	1,462,635	1,416,928	1,371,221	1,325,514	1,279,807	1,234,100	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)			$1,660,937	$1,655,779	$1,650,621	$1,645,463	$1,599,756	$1,554,049	$1,508,342	$1,462,635	$1,416,928	$1,371,221	$1,325,514	$1,279,807	$1,234,100	
6	Average Net Investment				1,658,358	1,653,200	1,648,042	1,622,610	1,576,903	1,531,196	1,485,489	1,439,782	1,394,075	1,348,368	1,302,661	1,256,954	
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.03%	1.87%		2,800	2,791	2,783	2,740	2,663	2,585	2,317	2,246	2,175	2,103	2,032	1,961	29,196
	b. Equity Component Grossed Up For Taxes	8.33%	7.92%		11,518	11,483	11,447	11,270	10,953	10,635	9,809	9,507	9,205	8,904	8,602	8,300	121,633
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation	Blended			5,158	5,158	5,158	0	0	0	0	0	0	0	0	0	15,474
	b. Amortization (B)				0	0	0	45,707	45,707	45,707	45,707	45,707	45,707	45,707	45,707	45,707	411,363
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes	0.011630			2,003	2,003	2,003	0	0	0	0	0	0	0	0	0	6,009
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$21,479	$21,435	$21,391	$59,717	$59,323	$58,927	$57,833	$57,460	$57,087	$56,714	$56,341	$55,968	$583,675
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$21,479	$21,435	$21,391	$59,717	$59,323	$58,927	$57,833	$57,460	$57,087	$56,714	$56,341	$55,968	$583,675

For Project: ABOVE GROUND TANK SECONDARY CONTAINMENT - BARTOW CTs (Project 4.1b)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other				0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$1,473,801	$1,473,801	$1,473,801	$1,473,801	$1,473,801	$1,473,801	$1,473,801	$1,473,801	$1,473,801	$1,473,801	$1,473,801	$1,473,801	$1,473,801	
3	Less: Accumulated Depreciation			(292,527)	(296,212)	(299,896)	(303,581)	(307,265)	(310,950)	(314,634)	(318,319)	(322,003)	(325,688)	(329,372)	(333,057)	(336,741)	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)			$1,181,274	$1,177,589	$1,173,905	$1,170,220	$1,166,536	$1,162,851	$1,159,167	$1,155,482	$1,151,798	$1,148,113	$1,144,429	$1,140,744	$1,137,060	
6	Average Net Investment				1,179,432	1,175,747	1,172,063	1,168,378	1,164,694	1,161,009	1,157,325	1,153,640	1,149,956	1,146,271	1,142,587	1,138,902	
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.03%	1.87%		1,991	1,985	1,979	1,973	1,967	1,960	1,805	1,799	1,794	1,788	1,782	1,776	22,599
	b. Equity Component Grossed Up For Taxes	8.33%	7.92%		8,192	8,166	8,141	8,115	8,090	8,064	7,642	7,618	7,593	7,569	7,545	7,520	94,255
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation	3.0000%			3,685	3,685	3,685	3,685	3,685	3,685	3,685	3,685	3,685	3,685	3,685	3,685	44,220
	b. Amortization				0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes	0.00993			1,220	1,220	1,220	1,220	1,220	1,220	1,220	1,220	1,220	1,220	1,220	1,220	14,640
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$15,088	$15,056	$15,025	$14,993	$14,962	$14,929	$14,352	$14,322	$14,292	$14,262	$14,232	$14,201	$175,714
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$15,088	$15,056	$15,025	$14,993	$14,962	$14,929	$14,352	$14,322	$14,292	$14,262	$14,232	$14,201	$175,714

(A) The allowable return is per the methodology approved in Order No. PSC-12-0425-PAA-EU.
(B) Investment amortized over three years as approved in Order No. PSC-16-0535-FOF-EI.

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause (ECRC)
Capital Programs Detail Support - January 2016 through December 2016
Above Ground Tank Secondary Containment (Projects 4.1 - 4.3 Recap)

For Project: ABOVE GROUND TANK SECONDARY CONTAINMENT - INTERCESSION CITY CTs (Project 4.1c)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other				0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$1,661,664	$1,661,664	$1,661,664	$1,661,664	$1,661,664	$1,661,664	$1,661,664	$1,661,664	$1,661,664	$1,661,664	$1,661,664	$1,661,664	$1,661,664	
3	Less: Accumulated Depreciation			(834,131)	(843,270)	(852,409)	(861,548)	(870,687)	(879,826)	(888,965)	(898,104)	(907,243)	(916,382)	(925,521)	(934,660)	(943,799)	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)			$827,533	$818,394	$809,255	$800,116	$790,977	$781,838	$772,699	$763,560	$754,421	$745,282	$736,143	$727,004	$717,865	
6	Average Net Investment				822,964	813,825	804,686	795,547	786,408	777,269	768,130	758,991	749,852	740,713	731,574	722,435	
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.03%	1.87%		1,390	1,374	1,359	1,343	1,328	1,312	1,198	1,184	1,170	1,155	1,141	1,127	15,081
	b. Equity Component Grossed Up For Taxes	8.33%	7.92%		5,716	5,653	5,589	5,526	5,462	5,399	5,072	5,012	4,951	4,891	4,831	4,770	62,872
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation	6.6000%			9,139	9,139	9,139	9,139	9,139	9,139	9,139	9,139	9,139	9,139	9,139	9,139	109,668
	b. Amortization				0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes	0.008500			1,177	1,177	1,177	1,177	1,177	1,177	1,177	1,177	1,177	1,177	1,177	1,177	14,124
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$17,422	$17,343	$17,264	$17,185	$17,106	$17,027	$16,586	$16,512	$16,437	$16,362	$16,288	$16,213	$201,745
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$17,422	$17,343	$17,264	$17,185	$17,106	$17,027	$16,586	$16,512	$16,437	$16,362	$16,288	$16,213	$201,745

For Project: ABOVE GROUND TANK SECONDARY CONTAINMENT - AVON PARK CTs (Project 4.1d)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other				0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$178,938	$178,938	$178,938	$178,938	$178,938	$178,938	$178,938	$178,938	$178,938	$178,938	$178,938	$178,938	$178,938	
3	Less: Accumulated Depreciation			(72,713)	(73,429)	(74,145)	(74,861)	(75,577)	(76,293)	(77,009)	(77,725)	(78,441)	(79,157)	(79,873)	(80,589)	(81,305)	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)			$106,225	$105,509	$104,793	$104,077	$103,361	$102,645	$101,929	$101,213	$100,497	$99,781	$99,065	$98,349	$97,633	
6	Average Net Investment				105,867	105,151	104,435	103,719	103,003	102,287	101,571	100,855	100,139	99,423	98,707	97,991	
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.03%	1.87%		179	178	176	175	174	173	158	157	156	155	154	153	1,988
	b. Equity Component Grossed Up For Taxes	8.33%	7.92%		735	730	725	720	715	710	671	666	661	657	652	647	8,289
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation	4.8000%			716	716	716	716	716	716	716	716	716	716	716	716	8,592
	b. Amortization				0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes	0.009420			140	140	140	140	140	140	140	140	140	140	140	140	1,680
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$1,770	$1,764	$1,757	$1,751	$1,745	$1,739	$1,685	$1,679	$1,673	$1,668	$1,662	$1,656	$20,549
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$1,770	$1,764	$1,757	$1,751	$1,745	$1,739	$1,685	$1,679	$1,673	$1,668	$1,662	$1,656	$20,549

(A) The allowable return is per the methodology approved in Order No. PSC-12-0425-PAA-EU.

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause (ECRC)
Capital Programs Detail Support - January 2016 through December 2016
Above Ground Tank Secondary Containment (Projects 4.1 - 4.3 Recap)

For Project: ABOVE GROUND TANK SECONDARY CONTAINMENT - BAYBORO CTs (Project 4.1e)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other				0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$730,295	$730,295	$730,295	$730,295	$730,295	$730,295	$730,295	$730,295	$730,295	$730,295	$730,295	$730,295	$730,295	
3	Less: Accumulated Depreciation			(176,883)	(178,706)	(180,528)	(182,350)	(184,172)	(185,994)	(187,817)	(189,639)	(191,461)	(193,283)	(195,105)	(196,928)	(198,750)	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)			$553,412	$551,590	$549,768	$547,945	$546,123	$544,301	$542,479	$540,657	$538,834	$537,012	$535,190	$533,368	$531,546	
6	Average Net Investment				552,501	550,679	548,856	547,034	545,212	543,390	541,568	539,745	537,923	536,101	534,279	532,457	
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.03%	1.87%		933	930	927	924	921	917	845	842	839	836	833	831	10,578
	b. Equity Component Grossed Up For Taxes	8.33%	7.92%		3,838	3,825	3,812	3,800	3,787	3,774	3,576	3,564	3,552	3,540	3,528	3,516	44,112
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation	2.9936%			1,822	1,822	1,822	1,822	1,822	1,822	1,822	1,822	1,822	1,822	1,822	1,822	21,864
	b. Amortization				0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes	0.009930			604	604	604	604	604	604	604	604	604	604	604	604	7,248
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$7,197	$7,181	$7,165	$7,150	$7,134	$7,117	$6,847	$6,832	$6,817	$6,802	$6,787	$6,773	$83,802
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$7,197	$7,181	$7,165	$7,150	$7,134	$7,117	$6,847	$6,832	$6,817	$6,802	$6,787	$6,773	$83,802

For Project: ABOVE GROUND TANK SECONDARY CONTAINMENT - SUWANNEE CTs (Project 4.1f)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other				0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$1,037,199	$1,037,199	$1,037,199	$1,037,199	$1,037,199	$1,037,199	$1,037,199	$1,037,199	$1,037,199	$1,037,199	$1,037,199	$1,037,199	$1,037,199	
3	Less: Accumulated Depreciation			(289,704)	(292,556)	(295,408)	(298,260)	(301,112)	(303,964)	(306,816)	(309,668)	(312,520)	(315,372)	(318,224)	(321,076)	(323,928)	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)			$747,495	$744,643	$741,791	$738,939	$736,087	$733,235	$730,383	$727,531	$724,679	$721,827	$718,975	$716,123	$713,271	
6	Average Net Investment				746,069	743,217	740,365	737,513	734,661	731,809	728,957	726,105	723,253	720,401	717,549	714,697	
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.03%	1.87%		1,260	1,255	1,250	1,245	1,240	1,236	1,137	1,133	1,128	1,124	1,119	1,115	14,242
	b. Equity Component Grossed Up For Taxes	8.33%	7.92%		5,182	5,162	5,142	5,123	5,103	5,083	4,813	4,795	4,776	4,757	4,738	4,719	59,393
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation	3.3000%			2,852	2,852	2,852	2,852	2,852	2,852	2,852	2,852	2,852	2,852	2,852	2,852	34,224
	b. Amortization				0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes	0.008670			749	749	749	749	749	749	749	749	749	749	749	749	8,988
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$10,043	$10,018	$9,993	$9,969	$9,944	$9,920	$9,551	$9,529	$9,505	$9,482	$9,458	$9,435	$116,847
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$10,043	$10,018	$9,993	$9,969	$9,944	$9,920	$9,551	$9,529	$9,505	$9,482	$9,458	$9,435	$116,847

(A) The allowable return is per the methodology approved in Order No. PSC-12-0425-PAA-EU.

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause (ECRC)
Capital Programs Detail Support - January 2016 through December 2016
Above Ground Tank Secondary Containment (Projects 4.1 - 4.3 Recap)

For Project: ABOVE GROUND TANK SECONDARY CONTAINMENT - DeBARY CTs (Project 4.1g)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other				0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$3,616,904	$3,616,904	$3,616,904	$3,616,904	$3,616,904	$3,616,904	$3,616,904	$3,616,904	$3,616,904	$3,616,904	$3,616,904	$3,616,904	$3,616,904	
3	Less: Accumulated Depreciation			(539,966)	(547,802)	(555,638)	(563,474)	(571,310)	(579,146)	(586,982)	(594,818)	(602,654)	(610,490)	(618,326)	(626,162)	(633,998)	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)			$3,076,938	$3,069,102	$3,061,266	$3,053,430	$3,045,594	$3,037,758	$3,029,922	$3,022,086	$3,014,250	$3,006,414	$2,998,578	$2,990,742	$2,982,906	
6	Average Net Investment				3,073,020	3,065,184	3,057,348	3,049,512	3,041,676	3,033,840	3,026,004	3,018,168	3,010,332	3,002,496	2,994,660	2,986,824	
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.03%	1.87%		5,189	5,175	5,162	5,149	5,136	5,123	4,720	4,708	4,696	4,683	4,671	4,659	59,071
	b. Equity Component Grossed Up For Taxes	8.33%	7.92%		21,344	21,290	21,235	21,181	21,127	21,072	19,981	19,929	19,878	19,826	19,774	19,723	246,360
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation	2.6000%			$7,837	$7,837	$7,837	$7,837	$7,837	$7,837	$7,837	$7,837	$7,837	$7,837	$7,837	$7,837	94,044
	b. Amortization				0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes	0.011630			3,505	3,505	3,505	3,505	3,505	3,505	3,505	3,505	3,505	3,505	3,505	3,505	42,060
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$37,875	$37,807	$37,739	$37,672	$37,605	$37,537	$36,043	$35,979	$35,916	$35,851	$35,787	$35,724	$441,535
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$37,875	$37,807	$37,739	$37,672	$37,605	$37,537	$36,043	$35,979	$35,916	$35,851	$35,787	$35,724	$441,535

For Project: ABOVE GROUND TANK SECONDARY CONTAINMENT - University of Florida (Project 4.1h)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other				0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$141,435	$141,435	$141,435	$141,435	$141,435	$141,435	$141,435	$141,435	$141,435	$141,435	$141,435	$141,435	$141,435	
3	Less: Accumulated Depreciation			(54,558)	(54,799)	(55,040)	(55,281)	(55,522)	(55,763)	(56,004)	(56,245)	(56,486)	(56,727)	(56,968)	(57,209)	(57,450)	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)			$86,876	$86,635	$86,394	$86,153	$85,912	$85,671	$85,430	$85,189	$84,948	$84,707	$84,466	$84,225	$83,984	
6	Average Net Investment				86,756	86,515	86,274	86,033	85,792	85,551	85,310	85,069	84,828	84,587	84,346	84,105	
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.03%	1.87%		146	146	146	145	145	144	133	133	132	132	132	131	1,665
	b. Equity Component Grossed Up For Taxes	8.33%	7.92%		603	601	599	598	596	594	563	562	560	559	557	555	6,947
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation	2.0482%			241	241	241	241	241	241	241	241	241	241	241	241	2,892
	b. Amortization				0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes	0.013030			154	154	154	154	154	154	154	154	154	154	154	154	1,848
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$1,144	$1,142	$1,140	$1,138	$1,136	$1,133	$1,091	$1,090	$1,087	$1,086	$1,084	$1,081	$13,352
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$1,144	$1,142	$1,140	$1,138	$1,136	$1,133	$1,091	$1,090	$1,087	$1,086	$1,084	$1,081	$13,352

(A) The allowable return is per the methodology approved in Order No. PSC-12-0425-PAA-EU.

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause (ECRC)
Capital Programs Detail Support - January 2016 through December 2016
Above Ground Tank Secondary Containment (Projects 4.1 - 4.3 Recap)

For Project: ABOVE GROUND TANK SECONDARY CONTAINMENT - Higgins (Project 4.1i)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other				0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$394,968	$394,968	$394,968	$394,968	$394,968	$394,968	$394,968	$394,968	$394,968	$394,968	$394,968	$394,968	$394,968	
3	Less: Accumulated Depreciation			(139,740)	(141,517)	(143,294)	(145,071)	(146,848)	(148,625)	(150,402)	(152,179)	(153,956)	(155,733)	(157,510)	(159,287)	(161,064)	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)			$255,228	$253,451	$251,674	$249,897	$248,120	$246,343	$244,566	$242,789	$241,012	$239,235	$237,458	$235,681	$233,904	
6	Average Net Investment				254,339	252,562	250,785	249,008	247,231	245,454	243,677	241,900	240,123	238,346	236,569	234,792	
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.03%	1.87%		429	426	423	420	417	414	380	377	375	372	369	366	4,768
	b. Equity Component Grossed Up For Taxes	8.33%	7.92%		1,767	1,754	1,742	1,730	1,717	1,705	1,609	1,597	1,586	1,574	1,562	1,550	19,893
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation	5.4000%			1,777	1,777	1,777	1,777	1,777	1,777	1,777	1,777	1,777	1,777	1,777	1,777	21,324
	b. Amortization				0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes	0.009930			327	327	327	327	327	327	327	327	327	327	327	327	3,924
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$4,300	$4,284	$4,269	$4,254	$4,238	$4,223	$4,093	$4,078	$4,065	$4,050	$4,035	$4,020	$49,909
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$4,300	$4,284	$4,269	$4,254	$4,238	$4,223	$4,093	$4,078	$4,065	$4,050	$4,035	$4,020	$49,909

For Project: ABOVE GROUND TANK SECONDARY CONTAINMENT - CRYSTAL RIVER 1 & 2 (Project 4.2)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other				0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$33,092	$33,092	$33,092	$33,092	$33,092	$33,092	$33,092	$33,092	$33,092	$33,092	$33,092	$33,092	$33,092	
3	Less: Accumulated Depreciation			(15,891)	(15,993)	(16,095)	(16,197)	(16,299)	(16,401)	(16,503)	(16,605)	(16,707)	(16,809)	(16,911)	(17,013)	(17,115)	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)			$17,201	$17,099	$16,997	$16,895	$16,793	$16,691	$16,589	$16,487	$16,385	$16,283	$16,181	$16,079	$15,977	
6	Average Net Investment				17,150	17,048	16,946	16,844	16,742	16,640	16,538	16,436	16,334	16,232	16,130	16,028	
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.03%	1.87%		29	29	29	28	28	28	26	26	25	25	25	25	323
	b. Equity Component Grossed Up For Taxes	8.33%	7.92%		119	118	118	117	116	116	109	109	108	107	107	106	1,350
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation	3.7000%			102	102	102	102	102	102	102	102	102	102	102	102	1,224
	b. Amortization				0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes	0.001645			5	5	5	5	5	5	5	5	5	5	5	5	60
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$255	$254	$254	$252	$251	$251	$242	$242	$240	$239	$239	$238	$2,957
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$255	$254	$254	$252	$251	$251	$242	$242	$240	$239	$239	$238	$2,957

(A) The allowable return is per the methodology approved in Order No. PSC-12-0425-PAA-EU.

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause (ECRC)
Capital Programs Detail Support - January 2016 through December 2016
Above Ground Tank Secondary Containment (Projects 4.1 - 4.3 Recap)

For Project: ABOVE GROUND TANK SECONDARY CONTAINMENT - CRYSTAL RIVER 4 & 5 (Project 4.2a)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other				0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$2,365,947	$2,365,947	$2,365,947	$2,365,947	$2,365,947	$2,365,947	$2,365,947	$2,365,947	$2,365,947	$2,365,947	$2,365,947	$2,365,947	$2,365,947	
3	Less: Accumulated Depreciation			115,892	112,962	110,032	107,102	104,172	101,242	98,312	95,382	92,452	89,522	86,592	83,662	80,732	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)			$2,481,840	$2,478,909	$2,475,979	$2,473,049	$2,470,119	$2,467,189	$2,464,259	$2,461,329	$2,458,399	$2,455,469	$2,452,539	$2,449,609	$2,446,679	
6	Average Net Investment				2,480,375	2,477,444	2,474,514	2,471,584	2,468,654	2,465,724	2,462,794	2,459,864	2,456,934	2,454,004	2,451,074	2,448,144	
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.03%	1.87%		4,188	4,183	4,178	4,173	4,168	4,163	3,842	3,837	3,832	3,828	3,823	3,819	48,034
	b. Equity Component Grossed Up For Taxes	8.33%	7.92%		17,228	17,208	17,187	17,167	17,147	17,126	16,262	16,243	16,224	16,204	16,185	16,166	200,347
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation	1.4860%			2,930	2,930	2,930	2,930	2,930	2,930	2,930	2,930	2,930	2,930	2,930	2,930	35,160
	b. Amortization				0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes	0.001645			324	324	324	324	324	324	324	324	324	324	324	324	3,888
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$24,670	$24,645	$24,619	$24,594	$24,569	$24,543	$23,358	$23,334	$23,310	$23,286	$23,262	$23,239	$287,429
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$24,670	$24,645	$24,619	$24,594	$24,569	$24,543	$23,358	$23,334	$23,310	$23,286	$23,262	$23,239	$287,429

For Project: ABOVE GROUND TANK SECONDARY CONTAINMENT - Anclote (Project 4.3)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other				0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$290,297	$290,297	$290,297	$290,297	$290,297	$290,297	$290,297	$290,297	$290,297	$290,297	$290,297	$290,297	$290,297	
3	Less: Accumulated Depreciation			(60,186)	(60,711)	(61,236)	(61,761)	(62,286)	(62,811)	(63,336)	(63,861)	(64,386)	(64,911)	(65,436)	(65,961)	(66,486)	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)			$230,112	$229,587	$229,062	$228,537	$228,012	$227,487	$226,962	$226,437	$225,912	$225,387	$224,862	$224,337	$223,812	
6	Average Net Investment				229,849	229,324	228,799	228,274	227,749	227,224	226,699	226,174	225,649	225,124	224,599	224,074	
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.03%	1.87%		388	387	386	385	385	384	354	353	352	351	350	350	4,425
	b. Equity Component Grossed Up For Taxes	8.33%	7.92%		1,596	1,593	1,589	1,586	1,582	1,578	1,497	1,493	1,490	1,487	1,483	1,480	18,454
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation	2.1722%			525	525	525	525	525	525	525	525	525	525	525	525	6,300
	b. Amortization				0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes	0.008490			205	205	205	205	205	205	205	205	205	205	205	205	2,460
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$2,714	$2,710	$2,705	$2,701	$2,697	$2,692	$2,581	$2,576	$2,572	$2,568	$2,563	$2,560	$31,639
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$2,714	$2,710	$2,705	$2,701	$2,697	$2,692	$2,581	$2,576	$2,572	$2,568	$2,563	$2,560	$31,639

(A) The allowable return is per the methodology approved in Order No. PSC-12-0425-PAA-EU.

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause (ECRC)
Capital Programs Detail Support - January 2016 through December 2016
CAIR CTs (Project 7.2 Recap)

For Project: CAIR CTs - AVON PARK (Project 7.2a)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other				0	0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$161,754	$161,754	$161,754	$161,754	$161,754	$161,754	$161,754	$161,754	$161,754	$161,754	$161,754	$161,754	$161,754	
3	Less: Accumulated Depreciation			(33,641)	(34,045)	(34,449)	(34,853)	(35,257)	(35,661)	(36,065)	(36,469)	(36,873)	(37,277)	(37,681)	(38,085)	(38,489)	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)			$128,113	$127,709	$127,305	$126,901	$126,497	$126,093	$125,689	$125,285	$124,881	$124,477	$124,073	$123,669	$123,265	
6	Average Net Investment				127,911	127,507	127,103	126,699	126,295	125,891	125,487	125,083	124,679	124,275	123,871	123,467	
7	Return on Average Net Investment (A)		Jan-Jun	Jul-Dec													
	a. Debt Component		2.03%	1.87%	216	215	215	214	213	213	196	195	194	194	193	193	2,451
	b. Equity Component Grossed Up For Taxes		8.33%	7.92%	888	886	883	880	877	874	829	826	823	821	818	815	10,220
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation	3.0000%			404	404	404	404	404	404	404	404	404	404	404	404	4,848
	b. Amortization				0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes	0.009420			127	127	127	127	127	127	127	127	127	127	127	127	1,524
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$1,635	$1,632	$1,629	$1,625	$1,621	$1,618	$1,556	$1,552	$1,548	$1,546	$1,542	$1,539	$19,043
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$1,635	$1,632	$1,629	$1,625	$1,621	$1,618	$1,556	$1,552	$1,548	$1,546	$1,542	$1,539	$19,043

For Project: CAIR CTs - BARTOW (Project 7.2b)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other				0	0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$275,347	$275,347	$275,347	$275,347	$275,347	$275,347	$275,347	$275,347	$275,347	$275,347	$275,347	$275,347	$275,347	
3	Less: Accumulated Depreciation			(45,265)	(45,623)	(45,981)	(46,339)	(46,697)	(47,055)	(47,413)	(47,771)	(48,129)	(48,487)	(48,845)	(49,203)	(49,561)	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)			$230,082	$229,724	$229,366	$229,008	$228,650	$228,292	$227,934	$227,576	$227,218	$226,860	$226,502	$226,144	$225,786	
6	Average Net Investment				229,903	229,545	229,187	228,829	228,471	228,113	227,755	227,397	227,039	226,681	226,323	225,965	
7	Return on Average Net Investment (A)		Jan-Jun	Jul-Dec													
	a. Debt Component		2.03%	1.87%	388	388	387	386	386	385	355	355	354	354	353	352	4,443
	b. Equity Component Grossed Up For Taxes		8.33%	7.92%	1,597	1,594	1,592	1,589	1,587	1,584	1,504	1,502	1,499	1,497	1,494	1,492	18,531
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation	1.5610%			358	358	358	358	358	358	358	358	358	358	358	358	4,296
	b. Amortization				0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes	0.009930			228	228	228	228	228	228	228	228	228	228	228	228	2,736
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$2,571	$2,568	$2,565	$2,561	$2,559	$2,555	$2,445	$2,443	$2,439	$2,437	$2,433	$2,430	$30,006
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$2,571	$2,568	$2,565	$2,561	$2,559	$2,555	$2,445	$2,443	$2,439	$2,437	$2,433	$2,430	$30,006

(A) The allowable return is per the methodology approved in Order No. PSC-12-0425-PAA-EU.

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause (ECRC)
Capital Programs Detail Support - January 2016 through December 2016
CAIR CTs (Project 7.2 Recap)

For Project: CAIR CTs - BAYBORO (Project 7.2c)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other				0	0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$198,988	198,988	198,988	198,988	198,988	198,988	198,988	198,988	198,988	198,988	198,988	198,988	198,988	
3	Less: Accumulated Depreciation			(38,655)	(39,039)	(39,423)	(39,807)	(40,191)	(40,575)	(40,959)	(41,343)	(41,727)	(42,111)	(42,495)	(42,879)	(43,263)	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Net Investment (Lines 2 + 3 + 4)			$160,333	$159,949	$159,565	$159,181	$158,797	$158,413	$158,029	$157,645	$157,261	$156,877	$156,493	$156,109	$155,725	
6	Average Net Investment				160,141	159,757	159,373	158,989	158,605	158,221	157,837	157,453	157,069	156,685	156,301	155,917	
7	Return on Average Net Investment (A)		Jan-Jun	Jul-Dec													
	a. Debt Component		2.03%	1.87%	270	270	269	268	268	267	246	246	245	244	244	243	3,080
	b. Equity Component Grossed Up For Taxes		8.33%	7.92%	1,112	1,110	1,107	1,104	1,102	1,099	1,042	1,040	1,037	1,035	1,032	1,030	12,850
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation	2.3149%			384	384	384	384	384	384	384	384	384	384	384	384	4,608
	b. Amortization				0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes	0.009930			165	165	165	165	165	165	165	165	165	165	165	165	1,980
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$1,931	$1,929	$1,925	$1,921	$1,919	$1,915	$1,837	$1,835	$1,831	$1,828	$1,825	$1,822	$22,518
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$1,931	$1,929	$1,925	$1,921	$1,919	$1,915	$1,837	$1,835	$1,831	$1,828	$1,825	$1,822	$22,518

For Project: CAIR CTs - DeBARY (Project 7.2d)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other				0	0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$87,667	87,667	87,667	87,667	87,667	87,667	87,667	87,667	87,667	87,667	87,667	87,667	87,667	
3	Less: Accumulated Depreciation			(22,143)	(22,362)	(22,581)	(22,800)	(23,019)	(23,238)	(23,457)	(23,676)	(23,895)	(24,114)	(24,333)	(24,552)	(24,771)	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Net Investment (Lines 2 + 3 + 4)			$65,524	$65,305	$65,086	$64,867	$64,648	$64,429	$64,210	$63,991	$63,772	$63,553	$63,334	$63,115	$62,896	
6	Average Net Investment				65,415	65,196	64,977	64,758	64,539	64,320	64,101	63,882	63,663	63,444	63,225	63,006	
7	Return on Average Net Investment (A)		Jan-Jun	Jul-Dec													
	a. Debt Component		2.03%	1.87%	110	110	110	109	109	109	100	100	99	99	99	98	1,252
	b. Equity Component Grossed Up For Taxes		8.33%	7.92%	454	453	451	450	448	447	423	422	420	419	417	416	5,220
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation	3.0000%			219	219	219	219	219	219	219	219	219	219	219	219	2,628
	b. Amortization				0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes	0.011630			85	85	85	85	85	85	85	85	85	85	85	85	1,020
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$868	$867	$865	$863	$861	$860	$827	$826	$823	$822	$820	$818	$10,120
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$868	$867	$865	$863	$861	$860	$827	$826	$823	$822	$820	$818	$10,120

(A) The allowable return is per the methodology approved in Order No. PSC-12-0425-PAA-EU.

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause (ECRC)
Capital Programs Detail Support - January 2016 through December 2016
CAIR CTs (Project 7.2 Recap)

For Project: CAIR CTs - HIGGINS (Project 7.2e)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other				0	0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$347,198	347,198	347,198	347,198	347,198	347,198	347,198	347,198	347,198	347,198	347,198	347,198	347,198	
3	Less: Accumulated Depreciation			(67,041)	(67,880)	(68,719)	(69,558)	(70,397)	(71,236)	(72,075)	(72,914)	(73,753)	(74,592)	(75,431)	(76,270)	(77,109)	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Net Investment (Lines 2 + 3 + 4)			$280,157	$279,318	$278,479	$277,640	$276,801	$275,962	$275,123	$274,284	$273,445	$272,606	$271,767	$270,928	$270,089	
6	Average Net Investment				279,737	278,898	278,059	277,220	276,381	275,542	274,703	273,864	273,025	272,186	271,347	270,508	
7	Return on Average Net Investment (A)		Jan-Jun	Jul-Dec													
	a. Debt Component		2.03%	1.87%	472	471	469	468	467	465	428	427	426	425	423	422	5,363
	b. Equity Component Grossed Up For Taxes		8.33%	7.92%	1,943	1,937	1,931	1,925	1,920	1,914	1,814	1,808	1,803	1,797	1,792	1,786	22,370
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation	2.9000%			839	839	839	839	839	839	839	839	839	839	839	839	10,068
	b. Amortization				0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes	0.009930			287	287	287	287	287	287	287	287	287	287	287	287	3,444
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$3,541	$3,534	$3,526	$3,519	$3,513	$3,505	$3,368	$3,361	$3,355	$3,348	$3,341	$3,334	$41,245
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$3,541	$3,534	$3,526	$3,519	$3,513	$3,505	$3,368	$3,361	$3,355	$3,348	$3,341	$3,334	$41,245

For Project: CAIR CTs - INTERCESSION CITY (Project 7.2f)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other				0	0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$349,583	349,583	349,583	349,583	349,583	349,583	349,583	349,583	349,583	349,583	349,583	349,583	349,583	
3	Less: Accumulated Depreciation			(76,123)	(76,910)	(77,697)	(78,484)	(79,271)	(80,058)	(80,845)	(81,632)	(82,419)	(83,206)	(83,993)	(84,780)	(85,567)	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Net Investment (Lines 2 + 3 + 4)			$273,461	$272,674	$271,887	$271,100	$270,313	$269,526	$268,739	$267,952	$267,165	$266,378	$265,591	$264,804	$264,017	
6	Average Net Investment				273,067	272,280	271,493	270,706	269,919	269,132	268,345	267,558	266,771	265,984	265,197	264,410	
7	Return on Average Net Investment (A)		Jan-Jun	Jul-Dec													
	a. Debt Component		2.03%	1.87%	461	460	458	457	456	454	419	417	416	415	414	412	5,239
	b. Equity Component Grossed Up For Taxes		8.33%	7.92%	1,897	1,891	1,886	1,880	1,875	1,869	1,772	1,767	1,762	1,756	1,751	1,746	21,852
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation	2.7000%			787	787	787	787	787	787	787	787	787	787	787	787	9,444
	b. Amortization				0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes	0.008500			248	248	248	248	248	248	248	248	248	248	248	248	2,976
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$3,393	$3,386	$3,379	$3,372	$3,366	$3,358	$3,226	$3,219	$3,213	$3,206	$3,200	$3,193	$39,511
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$3,393	$3,386	$3,379	$3,372	$3,366	$3,358	$3,226	$3,219	$3,213	$3,206	$3,200	$3,193	$39,511

(A) The allowable return is per the methodology approved in Order No. PSC-12-0425-PAA-EU.

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause (ECRC)
Capital Programs Detail Support - January 2016 through December 2016
CAIR CTs (Project 7.2 Recap)

For Project: CAIR CTs - TURNER (Project 7.2g)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	134,012	0	0	0	0	0	0	0	0	0	0	
	d. Other				0	0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$134,012	134,012	134,012	0	0	0	0	0	0	0	0	0	0	0	
3	Less: Accumulated Depreciation			(17,511)	(17,647)	(17,783)	116,093	0	0	0	0	0	0	0	0	0	0	
3a	Regulatory Asset Balance (B)			0	0	0	0	112,868	109,643	106,418	103,193	99,969	96,744	93,519	90,294	87,069		
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)			$116,501	$116,365	$116,229	$116,093	$112,868	$109,643	$106,418	$103,193	$99,969	$96,744	$93,519	$90,294	$87,069		
6	Average Net Investment				116,433	116,297	116,161	114,480	111,255	108,031	104,806	101,581	98,356	95,131	91,907	88,682		
7	Return on Average Net Investment (A)		Jan-Jun	Jul-Dec														
	a. Debt Component		2.03%	1.87%		197	196	196	193	188	182	163	158	153	148	143	138	2,055
	b. Equity Component Grossed Up For Taxes		8.33%	7.92%		809	808	807	795	773	750	692	671	649	628	607	586	8,575
	c. Other					0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																	
	a. Depreciation	1.2187%				136	136	136	0	0	0	0	0	0	0	0	0	408
	b. Amortization (B)					0	0	0	3,225	3,225	3,225	3,225	3,225	3,225	3,225	3,225	3,225	29,023
	c. Dismantlement					N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes	0.011630				130	130	130	0	0	0	0	0	0	0	0	0	390
	e. Other					0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$1,272	$1,270	$1,269	$4,213	$4,186	$4,157	$4,080	$4,054	$4,027	$4,001	$3,975	$3,949	$40,451
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$1,272	$1,270	$1,269	$4,213	$4,186	$4,157	$4,080	$4,054	$4,027	$4,001	$3,975	$3,949	$40,451

For Project: CAIR CTs - SUWANNEE (Project 7.2h)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other				0	0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$381,560	381,560	381,560	381,560	381,560	381,560	381,560	381,560	381,560	381,560	381,560	381,560	381,560	
3	Less: Accumulated Depreciation			(46,038)	(46,461)	(46,884)	(47,307)	(47,730)	(48,153)	(48,576)	(48,999)	(49,422)	(49,845)	(50,268)	(50,691)	(51,114)	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)			$335,522	$335,099	$334,676	$334,253	$333,830	$333,407	$332,984	$332,561	$332,138	$331,715	$331,292	$330,869	$330,446		
6	Average Net Investment				335,310	334,887	334,464	334,041	333,618	333,195	332,772	332,349	331,926	331,503	331,080	330,657		
7	Return on Average Net Investment (A)		Jan-Jun	Jul-Dec														
	a. Debt Component		2.03%	1.87%		566	565	565	564	563	563	519	518	518	517	516	516	6,490
	b. Equity Component Grossed Up For Taxes		8.33%	7.92%		2,329	2,326	2,323	2,320	2,317	2,314	2,197	2,195	2,192	2,189	2,186	2,183	27,071
	c. Other					0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																	
	a. Depreciation	1.3299%				423	423	423	423	423	423	423	423	423	423	423	423	5,076
	b. Amortization					0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement					N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes	0.008060				256	256	256	256	256	256	256	256	256	256	256	256	3,072
	e. Other					0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$3,574	$3,570	$3,567	$3,563	$3,559	$3,556	$3,395	$3,392	$3,389	$3,385	$3,381	$3,378	$41,709
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$3,574	$3,570	$3,567	$3,563	$3,559	$3,556	$3,395	$3,392	$3,389	$3,385	$3,381	$3,378	$41,709

(A) The allowable return is per the methodology approved in Order No. PSC-12-0425-PAA-EU.
(B) Investment amortized over three years as approved in Order No. PSC-16-0535-FOF-EI.

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause (ECRC)
Capital Programs Detail Support - January 2016 through December 2016
CAIR/CAMR Crystal River AFUDC (Project 7.4 Recap)

For Project: CAIR Crystal River - FGD Common (Project 7.4d)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other				0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$2,149,100	2,149,100	2,149,100	2,149,100	2,149,100	2,149,100	2,149,100	2,149,100	2,149,100	2,149,100	2,149,100	2,149,100	2,149,100	
3	Less: Accumulated Depreciation			(22,865)	(27,289)	(31,713)	(36,137)	(40,561)	(44,985)	(49,409)	(53,833)	(58,257)	(62,681)	(67,105)	(55,141)	(75,953)	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)			$2,126,235	$2,121,811	$2,117,387	$2,112,963	$2,108,539	$2,104,115	$2,099,691	$2,095,267	$2,090,843	$2,086,419	$2,081,995	$2,093,959	$2,073,147	
6	Average Net Investment				2,124,023	2,119,599	2,115,175	2,110,751	2,106,327	2,101,903	2,097,479	2,093,055	2,088,631	2,084,207	2,087,977	2,083,553	
7	Return on Average Net Investment (A)		Jan-Jun	Jul-Dec													
	a. Debt Component		2.03%	1.87%		3,586	3,579	3,571	3,564	3,557	3,549	3,272	3,265	3,258	3,251	3,257	3,237	40,946
	b. Equity Component Grossed Up For Taxes		8.33%	7.92%		14,753	14,722	14,691	14,661	14,630	14,599	13,850	13,821	13,792	13,762	13,787	13,704	170,772
	c. Other					0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																	
	a. Depreciation (B)	2.4700%				4,424	4,424	4,424	4,424	4,424	4,424	4,424	4,424	4,424	4,424	(11,964)	4,424	36,700
	b. Amortization					0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement					N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes	0.001703				305	305	305	305	305	305	305	305	305	305	305	305	3,660
	e. Other					0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$23,068	$23,030	$22,991	$22,954	$22,916	$22,877	$21,851	$21,815	$21,779	$21,742	$5,385	$21,670	$252,078
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$23,068	$23,030	$22,991	$22,954	$22,916	$22,877	$21,851	$21,815	$21,779	$21,742	$5,385	$21,670	$252,078

For Project: Crystal River 4 and 5 - Conditions of Certification (Project 7.4q)
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$11,658	$212,553	$243,297	$142,263	$140,691	$155,490	$905,951
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other				0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$614,010	614,010	614,010	614,010	614,010	614,010	614,010	614,010	614,010	614,010	614,010	614,010	614,010	
3	Less: Accumulated Depreciation			(18,629)	(19,389)	(20,149)	(20,909)	(21,669)	(22,429)	(23,189)	(23,949)	(24,709)	(25,469)	(26,229)	(24,163)	(24,923)	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	11,658	224,211	467,508	609,771	750,461	905,951	
5	Net Investment (Lines 2 + 3 + 4)			$595,381	$594,621	$593,861	$593,101	$592,341	$591,581	$590,821	$601,719	$813,512	$1,056,049	$1,197,551	$1,340,308	$1,495,038	
6	Average Net Investment				595,001	594,241	593,481	592,721	591,961	591,201	596,270	707,616	934,780	1,126,800	1,268,930	1,417,673	
7	Return on Average Net Investment (A)		Jan-Jun	Jul-Dec													
	a. Debt Component		2.03%	1.87%		1,005	1,003	1,002	1,001	1,000	998	930	1,104	1,458	1,758	1,979	2,211	15,449
	b. Equity Component Grossed Up For Taxes		8.33%	7.92%		4,133	4,127	4,122	4,117	4,112	4,106	3,937	4,673	6,173	7,440	8,379	9,361	64,680
	c. Other					0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																	
	a. Depreciation (B)	1.4860%				760	760	760	760	760	760	760	760	760	760	(2,066)	760	6,294
	b. Amortization					0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement					N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes	0.001703				87	87	87	87	87	87	87	87	87	87	87	87	1,044
	e. Other					0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$5,985	$5,977	$5,971	$5,965	$5,959	$5,951	$5,714	$6,624	$8,478	$10,045	$8,379	$12,419	$87,467
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$5,985	$5,977	$5,971	$5,965	$5,959	$5,951	$5,714	$6,624	$8,478	$10,045	$8,379	$12,419	$87,467

Note> Consistent with the Stipulation & Settlement Agreement in Order No. PSC-13-0598-FOF-EI these assets were not projected to be in-service as of year end 2013 and accordingly were not moved to base rates in 2014.
(A) The allowable return is per the methodology approved in Order No. PSC-12-0425-PAA-EU.
(B) In November 2016, DEF applied a cumulative adjustment to depreciation expense, which reflects a change in depreciation policy to utilize the current month asset balance. Before the change, DEF utilized the prior month asset balance.

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause (ECRC)
Capital Programs Detail Support - January 2016 through December 2016
CAIR/CAMR Crystal River AFUDC (Project 7.4 Recap)

For Project: CAIR Crystal River - FGD Common (Project 7.4r) - CR4 Clinker Mitigation
(in Dollars)

Line	Description			Beginning of Period Amount	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	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other				0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$660,998	660,998	660,998	660,998	660,998	660,998	660,998	660,998	660,998	660,998	660,998	660,998	660,998	
3	Less: Accumulated Depreciation			(43,955)	(45,316)	(46,677)	(48,038)	(49,399)	(50,760)	(52,121)	(53,482)	(54,843)	(56,204)	(57,565)	(53,840)	(55,201)	
4	CWIP - Non-Interest Bearing			0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)			$617,043	$615,682	$614,321	$612,960	$611,599	$610,238	$608,877	$607,516	$606,155	$604,794	$603,433	$607,158	$605,797	
6	Average Net Investment				616,363	615,002	613,641	612,280	610,919	609,558	608,197	606,836	605,475	604,114	605,296	606,478	
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.03%	1.87%		1,041	1,038	1,036	1,034	1,032	1,029	949	947	944	942	944	946	11,882
	b. Equity Component Grossed Up For Taxes	8.33%	7.92%		4,281	4,272	4,262	4,253	4,243	4,234	4,016	4,007	3,998	3,989	3,997	4,005	49,557
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation (B)	2.4700%			1,361	1,361	1,361	1,361	1,361	1,361	1,361	1,361	1,361	1,361	(3,725)	1,361	11,246
	b. Amortization				0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes	0.001703			94	94	94	94	94	94	94	94	94	94	94	94	1,128
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$6,777	$6,765	$6,753	$6,742	$6,730	$6,718	$6,420	$6,409	$6,397	$6,386	$1,310	$6,406	$73,813
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$6,777	$6,765	$6,753	$6,742	$6,730	$6,718	$6,420	$6,409	$6,397	$6,386	$1,310	$6,406	$73,813

For Project: CAIR Crystal River - FGD Common (Project 7.4s) - CR5 Clinker Mitigation
(in Dollars)

Line	Description			Beginning of Period Amount	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	Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	b. Clearings to Plant				0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements				0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other				0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$505,904	505,904	505,904	505,904	505,904	505,904	505,904	505,904	505,904	505,904	505,904	505,904	505,904	
3	Less: Accumulated Depreciation			(20,810)	(21,851)	(22,892)	(23,933)	(24,974)	(26,015)	(27,056)	(28,097)	(29,138)	(30,179)	(31,220)	(28,306)	(29,347)	
4	CWIP - Non-Interest Bearing			-	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)			$485,094	$484,053	$483,012	$481,971	$480,930	$479,889	$478,848	$477,807	$476,766	$475,725	$474,684	$477,598	$476,557	
6	Return on Average Net Investment (A)				484,574	483,533	482,492	481,451	480,410	479,369	478,328	477,287	476,246	475,205	476,141	477,078	
7	Return on Average Net Investment	Jan-Jun	Jul-Dec														
	a. Debt Component	2.03%	1.87%		818	816	815	813	811	809	746	744	743	741	743	744	9,343
	b. Equity Component Grossed Up For Taxes	8.33%	7.92%		3,366	3,358	3,351	3,344	3,337	3,330	3,158	3,152	3,145	3,138	3,144	3,150	38,973
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation (B)	2.4700%			1,041	1,041	1,041	1,041	1,041	1,041	1,041	1,041	1,041	1,041	(2,914)	1,041	8,537
	b. Amortization				0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes	0.001703			72	72	72	72	72	72	72	72	72	72	72	72	864
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$5,297	$5,287	$5,279	$5,270	$5,261	$5,252	$5,017	$5,009	$5,001	$4,992	$1,045	$5,007	$57,717
	a. Recoverable Costs Allocated to Energy				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand				$5,297	$5,287	$5,279	$5,270	$5,261	$5,252	$5,017	$5,009	$5,001	$4,992	$1,045	$5,007	$57,717

Note> Consistent with the Stipulation & Settlement Agreement in Order No. PSC-13-0598-FOF-EI these assets were not projected to be in-service as of year end 2013 and accordingly were not moved to base rates in 2014.
(A) The allowable return is per the methodology approved in Order No. PSC-12-0425-PAA-EU.
(B) In November 2016, DEF applied a cumulative adjustment to depreciation expense, which reflects a change in depreciation policy to utilize the current month asset balance. Before the change, DEF utilized the prior month asset balance.

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

DIRECT TESTIMONY OF

TIMOTHY HILL

ON BEHALF OF

DUKE ENERGY FLORIDA, LLC.

DOCKET NO. 170007-EI

April 3, 2017

Q. Please state your name and business address.

A. My name is Timothy Hill. My business address is 400 South Tryon Street, Charlotte, NC 28202.

Q: By whom are you employed and in what capacity?

A: I am employed by Duke Energy Corporation ("Duke Energy") as Regional General Manager for the Coal Combustion Products ("CCP") Group - Operations & Maintenance. Duke Energy Florida, LLC ("DEF" or the "Company") is a fully owned subsidiary of Duke Energy.

Q: What are your responsibilities in that position?

A: I am responsible for oversight of the operation and maintenance of all CCP facilities in the Western Carolinas and Florida, including the CCP facility at the Crystal River Energy Center. This includes operating and maintaining all CCP facilities in compliance with state and federal regulations. The Operations and Maintenance group at each station maintains accountability for overall CCP facility performance which requires close collaboration with other Duke Energy CCP organizations such

as Project Implementation, Engineering, and Facility Closure. The Company relies on my opinions and information I provide when making decisions regarding the CCP facilities under my supervision.

Q: Please describe your educational background and professional experience.

A: I have a Bachelor of Science degree in Nuclear Engineering from the University of Florida and a Master of Science degree from the University of Central Florida. I have 14 years of experience in the power generation industry including positons as an Engineering Manager, a Maintenance Manager, and a Plant Manager within Duke Energy's fossil fleet, and as Fleet and Harris Station Maintenance Manager in Duke Energy's nuclear fleet. Prior to joining Duke Energy I was employed by Delta Air Lines as a General Manager in Engineering and Maintenance, and prior to that I served 21 years as a commissioned officer in the U.S. Navy, serving in the nuclear fleet. In November of 2014, I began my current role as CCP Regional General Manager.

Q. What is the purpose of your testimony?

A. The purpose of my testimony is to provide an update on DEF's 2016 Coal Combustion Residual ("CCR") Rule compliance activities and associated 2016 compliance costs for which the Company seeks recovery through the Environmental Cost Recovery Clause ("ECRC").

Q. How did actual Capital project expenditures for the period January 2016 – December 2016 compare to actual/estimated Capital projections for the CCR Rule (Project 18)?

A. The CCR Rule capital variance is $54,811 or 16% lower than projected due to lower than forecasted costs associated with groundwater assessment. This was partially offset by the installation of additional asphalt under the gypsum radial stacker to comply with Court Appointed Monitor audit findings.

Q. How did actual O&M project expenditures for the period January 2016 – December 2016 compare to actual/estimated O&M projections for the CCR Rule (Project 18)?

A. The CCR O&M variance is $1,177,325 or 50% lower than projected. This is primarily due to lower than expected costs for the Flue Gas Desulfurization ("FGD") pond dredging.

Q. Does this conclude your testimony?

A. Yes.

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

DIRECT TESTIMONY OF

JEFFREY SWARTZ

ON BEHALF OF

DUKE ENERGY FLORIDA, LLC

DOCKET NO. 170007-EI

April 3, 2017

Q. Please state your name and business address.

A. My name is Jeffrey Swartz. My business address is 8202 W. Venable St, Crystal River, FL 34429.

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

A. I am employed by Duke Energy Florida, LLC ("DEF" or the "Company") as Vice President –Fossil/Hydro Operations Florida.

Q. What are your responsibilities in that position?

A. As Vice President of DEF's Fossil/Hydro organization, my responsibilities include overall leadership and strategic direction of DEF's power generation fleet. My responsibilities include strategic and tactical planning to operate and maintain DEF's non-nuclear generation fleet; generation fleet project and addition recommendations; major maintenance programs; outage and project management; generation facilities retirement; asset allocation; workforce

planning and staffing; organizational alignment and design; continuous business improvement; retention and inclusion; succession planning; and oversight of numerous employees and hundreds of millions of dollars in assets and capital and O&M budgets.

Q. Please describe your educational background and professional experience.

A. I earned a Bachelor of Science degree in Mechanical Engineering from the United States Naval Academy in 1985. I have 16 years of power plant and production experience at Duke Energy in various managerial and executive positions in fossil steam, combustion turbine and nuclear plant operations. I also managed new construction and O&M projects. I have extensive contract negotiation and management experience. My prior experience includes nuclear engineering and operations experience in the United States Navy, and project management, engineering, supervisory and management oversight experience with a pulp, paper and chemical manufacturing company.

Q. Have you previously filed testimony before this Commission in connection with DEF's Environmental Cost Recovery Clause ("ECRC")?

A. Yes.

Q. What is the purpose of your testimony?

A. The purpose of my testimony is to explain material variances between actual and actual/estimated project expenditures for environmental compliance costs

associated with DEF's Integrated Clean Air Compliance Program (Project 7.4), Mercury and Air Toxics Standards ("MATS") - Anclote Gas Conversion Project (Project 17.1), and Mercury & Air Toxics Standards (MATS) – CR 1&2 (Project 17.2) for the period January 2016 - December 2016.

Q. How do actual O&M expenditures for January 2016 - December 2016 compare with DEF's actual/estimated projections for the Clean Air Interstate Rule/Clean Air Mercury Rule (CAIR/CAMR) Crystal River Program (Project 7.4)?

A. The CAIR/CAMR Crystal River O&M variance is $1,068,409 or 3% lower than projected. This variance is primarily attributable to $247,498 lower than expected CAIR Crystal River Project 7.4 – Base costs, and $817,092 lower than expected CAIR-Crystal River Project 7.4 – Energy Costs.

Q: Please explain the variance between actual project expenditures and actual/estimated projections for the CAIR Crystal River Project – Base for January 2016 - December 2016?

A: O&M costs for CAIR Crystal River Project – Base were $247,498 or 1% lower than projected primarily due to lower than anticipated costs for the Unit 4 SCR Catalyst maintenance.

Q. Please explain the variance between actual project expenditures and the actual/estimated projections for CAIR Crystal River Project – Energy for the period January 2016 - December 2016?

A. O&M costs for CAIR Crystal River Project - Energy were $817,092 or 5% lower than forecasted primarily due to variations in the reagent costs. Ammonia expense was $519,752 favorable due the urea markets declining since the previous filing. Gypsum expense was $107,261favorable due to production volumes being approximately 9% lower than projected. Hydrated Lime and Caustic expenses were $547,478 and $133,894 favorable, respectively, due to market price fluctuations. These were partially offset by an unfavorable variance in Limestone expense of $557,293, due to increased product costs.

Q: Please explain the variance between actual project expenditures and actual/estimated projections for the CAIR Crystal River Project – Conditions of Certification (Project 7.4q) for January 2016 - December 2016?

A: Capital costs for CAIR Crystal River Project – Conditions of Certification were $192,951 or 27% higher than projected due to engineering and equipment procurement being ahead of schedule and costs resulting from previously unidentified underground obstacles identified during Ground Penetrating Radar investigations.

Q. How did actual Capital expenditures for January 2016 – December 2016 compare to actual/estimated projections for the Anclote Gas Conversion Project (Project 17.1)?

A. The Anclote Gas Conversion Capital variance is $212,739 or 153% lower than projected due to final adjustment charges for the two Forced Draft Fan Projects on Units 1 and 2.

Q. How did actual O&M expenditures for January 2016 - December 2016 compare with DEF's actual/estimated projections for the MATS – CR 1&2 Project (Project 17.2)?

A. The MATS – CR 1&2 O&M variance is $354,659 or 20% higher than projected. The O&M variance is due to the installation of necessary equipment to improve coal flow between the storage hoppers and the coal mills. These modifications were required to mitigate buildup and plugging in the piping caused by specific characteristics of the Western coal burned for MATS compliance.

Q. Does this conclude your testimony?

A. Yes.

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

DIRECT TESTIMONY OF

PATRICIA Q. WEST

ON BEHALF OF

DUKE ENERGY FLORIDA, LLC

DOCKET NO. 170007-EI

April 3, 2017

Q. Please state your name and business address.

A. My name is Patricia Q. West. My business address is 299 First Avenue North, St. Petersburg, FL 33701.

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

A. I am employed by Duke Energy Florida, LLC ("DEF" or the "Company") as Director Environmental Field Support – Florida.

Q. What are your responsibilities in that position?

A. My responsibilities include managing the work of environmental professionals who are responsible for environmental, technical, and regulatory support during the development and implementation of environmental compliance strategies for regulated power generation facilities and electrical transmission and distribution facilities in Florida.

Q. Please describe your educational background and professional experience.

A. I obtained my Bachelor of Arts degree in Biology from New College of the University of South Florida in 1983. I was employed by the Polk County Health Department between 1983 and 1986 and by the Florida Department of Environmental Protection (FDEP) from 1986 - 1990. At the FDEP, I was involved in compliance and enforcement efforts associated with petroleum storage facilities. I joined Florida Power Corporation in 1990 as an Environmental Project Manager and then held progressively more responsible positions through the merger with Carolina Power and Light, and more recently through the merger with Duke Energy in my role as the Director Environmental Field Support – FL.

Q. Have you previously filed testimony before this Commission in connection with DEF's Environmental Cost Recovery Clause ("ECRC")?

A. Yes.

Q. What is the purpose of your testimony?

A. The purpose of my testimony is to explain material variances between actual and actual/estimated project expenditures for environmental compliance costs associated with FPSC-approved programs under my responsibility. These programs include the T&D Substation Environmental Investigation, Remediation and Pollution Prevention Program (Project 1 & 1a), Distribution System Environmental Investigation, Remediation and Pollution Prevention Program (Project 2), Pipeline Integrity Management ("PIM") (Project 3), Above

Ground Secondary Containment (Project 4), Phase II Cooling Water Intake – 316(b) (Projects 6 & 6a), CAIR/CAMR - Peaking (Project 7.2), Best Available Retrofit Technology (BART) (Project 7.5), Arsenic Groundwater Standard (Project 8), Sea Turtle Coastal Street Lighting Program (Project 9), Underground Storage Tanks (Project 10), Modular Cooling Towers (Project 11), Thermal Discharge Permanent Cooling Tower (Project 11.1), Greenhouse Gas Inventory and Reporting (Project 12), Mercury Total Daily Maximum Loads Monitoring (Project 13), Hazardous Air Pollutants Information Collection Request (ICR) Program (Project 14), Effluent Limitation Guidelines Program (Project 15.1), National Pollutant Discharge Elimination System (NPDES) (Project 16) and Mercury and Air Toxics Standards (MATS) – Crystal River (CR) 4&5 (Project 17) for the period January 2016 through December 2016.

Q. How did actual O&M expenditures for January 2016 - December 2016 compare with DEF's actual/estimated projections for the Transmission & Distribution Substation Environmental Investigation, Remediation, and Pollution Prevention Projects (Projects 1 & 1a)?

A. The Substation System Program variance is $187,182 or 24% higher than projected. This variance is primarily due remediation activities at Central Florida, UCF, and Wekiva substations which were higher than projected. Central Florida's substation is slated for a Deed Restricted Covenant ("DRC") with FDEP. We are currently compiling information in order to submit a formalized report to FDEP to support a proposal that this site be considered for a DRC with engineering and institutional controls. Work at UCF is now

complete, a remediation report was sent to FDEP in July 2016 and approved in August 2016. Wekiva groundwater monitoring is still underway.

Q. How did actual O&M expenditures for January 2016 - December 2016 compare with DEF's actual/estimated projections for the Distribution System Environmental Investigation, Remediation, and Pollution Prevention Project (Project 2)?

A. The Distribution System Environmental Investigation, Remediation, and Pollution Prevention Project variance is $10,605 or 10% lower than projected due to a project at 7100 Sunset Way, St. Pete Beach, requiring less engineered fill, equipment and associated disposal cost than originally estimated.

Q. How did actual O&M expenditures for January 2016 - December 2016 compare with DEF's actual/estimated projections for the PIM Project (Project 3)?

A. The PIM O&M variance is $327,980 or 47% lower than projected. This variance is attributed to monitoring and reporting charges being minimized as steps are being taken to remove the pipeline from the Pipeline and Hazardous Materials Safety Administration ("PHMSA") regulations.

Q. How did actual O&M expenditures for January 2016 - December 2016 compare with DEF's actual/estimated projections for the Cooling Water Intake - 316(b) Project (Project 6 & 6a)?

A. The Cooling Water Intake - 316(b) (Projects 6 & 6a) variance is $95,185 or 22% lower than projected, driven primarily by Cooling Water Intake 316(b) – Intermediate (Project 6a), which had a $111,894 or 59% lower than projected variance due to lower programmatic fees being assessed for Anclote and Suwannee Stations. No compliance monitoring was performed at Anclote station due to pending FDEP approval of a proposal for a non-monitoring program strategy and retirement of the Suwannee Steam Station, which eliminates the monitoring program requirement.

Q. How did actual O&M expenditures for January 2016 - December 2016 compare with DEF's actual/estimated projections for the CAIR/CAMR - Peaking Project (Project 7.2)?

A. The CAIR/CAMR - Peaking variance is $30,659 or 30% lower than projected primarily attributed to the retirement of Turner CT site, resulting in the cancellation of predictive emissions monitoring requirement.

Q. How did actual O&M expenditures for January 2016 - December 2016 compare with DEF's actual/estimated projections for the Arsenic Groundwater Standard Project (Project 8)?

A. The Arsenic Groundwater Monitoring variance is $16,857 or 13% lower than projected primarily due to the contractor completing Phase 1 of the work scope at a lower cost than originally estimated.

Q. How did actual Capital expenditures for January 2016 - December 2016 compare with DEF's actual/estimated projections for the Effluent Limitations Guideline Project (Project 15.1)?

A. The ELG Capital variance is $92,991 or 41% lower than projected primarily due to scheduled work scope shifting into 2017; the project is still in the initial Engineering & Development phase. The water balance study for the site has been completed and the design conception is complete and under Engineering review. The sample analysis was completed in late December, thereby shifting the completion of the Engineering Design and Review process into 2017.

Q. How did actual O&M expenditures for January 2016 - December 2016 compare with DEF's actual/estimated projections for the MATS – CR 4&5 Project (Project 17)?

A. The MATS – CR 4&5 O&M variance is $211,114 or 42% lower than projected due to lower than anticipated chemical usage required to control mercury re-emission from the FGDs.

Q. In Order No. PSC-10-0683-FOF-EI issued in Docket No. 100007-EI on November 15, 2010, the Commission directed DEF to file as part of its ECRC true-up testimony a yearly review of the efficacy of its Plan D and the cost-effectiveness of DEF's retrofit options for each generating unit in relation to expected changes in environmental regulations. Has DEF conducted such a review?

A. Yes. DEF's yearly review of the Integrated Clean Air Compliance Plan is provided as Exhibit No. __ (PQW-1).

Q. Please summarize the conclusions of DEF's review of its Integrated Clean Air Compliance Plan.

A: DEF installed emission controls contemplated in its Integrated Clean Air Compliance Plan on time and within budget. The Flue Gas Desulfurization (wet scrubbers) and Selective Catalytic Reduction systems on CR 4&5 have enabled DEF to comply with Clean Air Interstate Rule ("CAIR") requirements and will continue to be the cornerstone of DEF's integrated air quality compliance strategy. DEF is confident that the Integrated Clean Air Compliance Plan, along with compliance strategies under development, will enable it to achieve and maintain compliance with applicable regulations, including MATS, in a cost effective manner.

Q. What is the history and status of the Cross State Air Pollution Rule ("CSAPR")?

A. The EPA adopted the CSAPR to replace the CAIR by publication in the Federal Register in August 2011. The CSAPR establishes state-level annual and seasonal SO_2 and NO_x emissions allowance requirements that were effective January 1, 2012. Under CSAPR, the State of Florida is no longer required to comply with annual emission requirements, only ozone seasonal limits. In Order No. PSC-11-0553-FOF-EI, the Commission established a regulatory asset to allow DEF to recover the costs of its remaining CAIR NO_x allowance

inventory over a three (3) year amortization period. However, on December 30, 2011, the D.C. Circuit Court of Appeals stayed the CSAPR leaving the CAIR in effect until it completed its review of CSAPR. Consequently, DEF continued to maintain its NO_x allowance inventory in order to comply with the CAIR. In August 2012, the D.C. Circuit Court of Appeals vacated the CSAPR and directed the EPA to continue administrating the CAIR program. The EPA subsequently appealed this decision to the U.S. Supreme Court. In April 2014, the U.S. Supreme Court overturned the D.C. Circuit Court's ruling and remanded the case back to the lower court for further action. In June 2014, the EPA requested that the court lift the CSAPR stay and allow it to be implemented under a revised schedule. This request was granted in October 2014 and the CSAPR went into effect on January 1, 2015, replacing the CAIR program. On July 28, 2015, the D.C. Circuit determined that EPA failed to cost justify a number of Phase 2 emission allowance budgets for certain states, including Florida, citing they were more stringent than necessary to achieve air compliance in downwind states, and held the Phase 2 NO_x allowance allocations invalid. Finally, on November 17, 2015, the EPA proposed a revised CSAPR. The EPA proposed to remove Florida from the CSAPR program, beginning with the 2017 ozone season; however, the EPA stated that it will perform additional modeling that could result in changing that proposal. On September 7, 2016, EPA finalized its CSAPR Update rule, lowering the current CSAPR state ozone season NOx emission budgets for 22 Eastern states. EPA eliminated Florida, South Carolina, and North Carolina from the CSAPR ozone season program based on modeling which shows that NOx emissions from these states do not

significantly contribute to ozone nonattainment in any downwind state. This means that Duke Energy sources in Florida are not subject to any CSAPR ozone season NOx emission limitations beginning in 2017.

Q. What is the status of the ELG (Project 15.1)?

A. On November 23, 2015, the Environmental Protection Agency (EPA) published the final revision to the ELG establishing technology-based national standards for effluent waste streams. The rule went into effect on January 4, 2016 and applies to all steam electric generating stations. The new limits must be incorporated into affected stations' NPDES permits with a compliance timeframe between November 1, 2018 and December 31, 2023. DEF is currently working with the FDEP to address these ELG requirements in its Crystal River Units 4 and 5 NPDES permit that is now in the renewal process.

Q. **What is the status of the Clean Water Rule?**

A. On June 29, 2015 the EPA and the Army Corps of Engineers (Corps) published the final Clean Water Rule that significantly expands the definition of the Waters of the United States ("WOTUS"). On October 9, 2015 the U.S. Court of Appeals for the Sixth Circuit granted a nationwide stay of the rule effective through the conclusion of the judicial review process. On February 22, 2016 the Sixth Circuit issued an opinion that it has jurisdiction and is the appropriate venue to hear the merits of legal challenges to the rule; however, that decision was contested, and on January 13, 2017 the U.S. Supreme Court decided to review the jurisdictional question. Oral Arguments in the Supreme Court case

will not be scheduled until October 2017, at the earliest, following the Court's return from summer recess. On February 28, 2017, President Trump signed an executive order laying out a new policy direction for how "Waters of the United States" should be defined and directing EPA and the Army Corps of Engineers to initiate a rulemaking to either rescind or revise the 2015 Clean Water Rule developed by the Obama administration. Subsequently, the new EPA administrator, Scott Pruitt, signed a pre-publication notice reflecting the intent to move forward with rulemaking in response to this directive. In addition, the executive order also seeks to have the Department of Justice determine the path forward on the Clean Water Rule litigation in light of the new policy direction. During this interim period, it is expected that the 2015 Clean Water Rule will remain in a nationwide stay and any new WOTUS jurisdictional determinations will be made by the Corps using the previous WOTUS definition.

Q. What is the status of the FDEP's Underground Storage Tank (UST) Rule (Project 10)?

A. The FDEP's UST Rule became effective on January 11, 2017. A detailed analysis of the rule is underway to determine the full extent of compliance activities and associated expenditure s for DEF's operations.

Q. What is the status of FDEP's Aboveground Storage Tank (AST) Rule (Project 4)?

A. The FDEP's AST rule became effective January 11, 2017. A detailed analysis of the Rule is underway to determine the full extent of compliance activities and associated expenditures for DEF's operations.

Q. Does this conclude your testimony?

A. Yes.

Duke Energy Florida, LLC

Review of Integrated Clean Air Compliance Plan

Submitted to the
Florida Public Service Commission

April 3, 2017

Table of Contents

Acronyms

BART – Best Available Retrofit Technology

CAIR – Clean Air Interstate Rule

CAMR – Clean Air Mercury Rule

CAVR – Clean Air Visibility Rule

CCR - Coal Combustion Residuals

CO_2 – Carbon Dioxide

CPP – Clean Power Plan

CSAPR – Cross-State Air Pollution Rule

DEF – Duke Energy Florida

ECRC – Environmental Cost Recovery Clause

EPA – Environmental Protection Agency

EGU – Electric Generating Unit

ELG - Effluent Limitation Guidelines

ESP – Electrostatic Precipitator

FDEP – Florida Department of Environmental Protection

FGD – Flue Gas Desulfurization

GHG – Greenhouse Gas

LNB – Low NO_x Burner

MATS – Mercury and Air Toxic Standards

MWh – Megawatt Hour

NAAQS – National Ambient Air Quality Standards

NO_x – Nitrogen Oxides

NSPS - New Source Performance Standards

PAC – Powdered Activated Carbon

Plan D – DEF Integrated Clean Air Compliance Plan

PM – Particulate Matter

ppb – Parts per billion

PSC – Public Service Commission

SCR – Selective Catalytic Reduction

SIP – Site Implementation Plan

SO_2 – Sulfur Dioxide

Executive Summary

In the 2007 Environmental Cost Recovery Clause ("ECRC") Docket (No. 070007-EI), the Commission approved Duke Energy Florida's ("DEF") updated Integrated Clean Air Compliance Plan (Plan D) as a reasonable and prudent means to comply with the requirements of the Clean Air Interstate Rule ("CAIR") (subsequently replaced by the Cross-State Air Pollution Rule ("CSAPR"), Clean Air Mercury Rule ("CAMR") (subsequently replaced by the Mercury and Air Toxics Standards ("MATS") rule), Clean Air Visibility Rule ("CAVR"), and related regulatory requirements. In its 2007 final order, the Commission also directed DEF to file as part of its ECRC true-up testimony "a yearly review of the efficacy of its Plan D and the cost-effectiveness of DEF's retrofit options for each generating unit in relation to expected changes in environmental regulations." This report provides the required review for 2017.

The primary original components of DEF's 2006 Compliance Plan D included:

Sulfur Dioxide ("SO_2")

- Installation of flue gas desulfurization ("FGD") systems on Crystal River ("CR") Units 4 and 5
- Fuel switching at CR Units 1 and 2 to burn low sulfur coal
- Fuel switching at Anclote Units 1 and 2 to burn low sulfur oil and natural gas
- Purchases of SO_2 allowances

Nitrogen Oxides ("NO_x")

- Installation of low NO_x burners ("LNBs") and selective catalytic reduction ("SCR") systems on CR Units 4 and 5
- Installation of LNBs and separated over-fire air ("SOFA") or alternative NO_x controls at Anclote Units 1 and 2

- Purchase of annual and ozone season NO_x allowances

Mercury

- Installation of FGD and SCR systems at CR Units 4 and 5
- Installation of powdered activated carbon ("PAC") injection on CR Unit 2

As detailed in Docket No. 070007-EI, DEF decided on Plan D based on a quantitative and qualitative evaluation of the ability of alternative plans to meet environmental requirements, while managing risks and controlling costs. That evaluation demonstrated that Plan D is DEF's most cost-effective alternative to meet applicable regulatory requirements. The Plan was designed to strike a balance between reducing emissions, primarily through the installation of controls on DEF's largest and newest coal units (CR Units 4 and 5) and making strategic use of emission allowance markets.

In accordance with the Commission's final order in Docket No. 070007-EI, DEF has continued to review the efficacy of Plan D and the cost-effectiveness of retrofit options in relation to expected changes in environmental regulations. With regard to efficacy, Plan D remains the cornerstone of DEF's efforts to comply with applicable air quality regulations in a cost-effective manner.

As indicated in previous ECRC filings, the U.S. Court of Appeals for the District of Columbia ("D.C. Circuit") stayed the effect of CSAPR (proposed by the U.S. Environmental Protection Agency ("EPA") to replace CAIR) leaving CAIR in effect until the court completed its review of CSAPR. In August 2012, the D.C. Circuit vacated CSAPR in its entirety, and in January 2013, the court denied EPA's petition for rehearing. On April 29, 2014, the U.S. Supreme Court reversed the D.C. Circuit's decision and upheld the CSAPR. EPA subsequently petitioned the D.C. Circuit to reinstate CSAPR, making it effective January 1, 2015. The court agreed with EPA and approved its petition.

Additionally, on February 16, 2012, EPA issued MATS to replace the vacated CAMR for emissions from coal- and oil-fired electric generating units ("EGUs"), including, potentially, DEF's Anclote Units 1 and 2, Suwannee Units 1, 2, and 3, and CR Units 1, 2, 4, and 5. The following summarizes the results of DEF's MATS compliance analyses for these units:

Anclote Units 1 & 2: DEF determined that the most cost-effective option for Anclote Units 1 and 2 was conversion to fire 100% natural gas rather than installation of emission

controls to comply with MATS. The Commission approved DEF's petition for ECRC recovery of costs associated with the Anclote Conversion Project in Docket No. 120103-EI.

Suwannee Units 1, 2 & 3: DEF determined that no further modifications were needed on Suwannee Units 1, 2 and 3 as these units were already capable of operating on 100% natural gas.

CR Units 4 & 5: DEF determined that the existing electrostatic precipitators ("ESPs"), FGDs, and SCRs at CR Units 4 and 5 would provide sufficient control for MATS compliance under typical conditions. DEF also determined that chemical injection systems would be required to mitigate mercury re-emissions from the FGDs. On December 15, 2014, DEF requested a one-year extension to allow time for installation of additional mercury control systems. On March 12, 2015, the Florida Department of Environmental Protection ("FDEP") authorized a one-year extension (to April 16, 2016) for all mercury-related MATS requirements on CR Units 4 and 5; the units have operated in compliance with the Standards since that time.

CR Units 1 & 2: DEF determined that the use of alternative coals (along with dry sorbent injection, PAC injection, and ESP enhancements) was a feasible and cost-effective strategy to allow these units to continue running for a limited period of time in compliance with MATS and Best Available Retrofit Technology ("BART") requirements until new generation could be built. This plan was approved by the Commission in Order No. PSC-14-0173-PAA-EI (April 17, 2014). On February 6, 2014, the FDEP granted a one-year extension (to April 16, 2016) for all MATS requirements on CR Units 1 and 2; the units have operated in compliance with the Standards since that time.

Although EPA has begun implementation of a regulatory approach to reduce greenhouse gas ("GHG") emissions through the Clean Air Act, there currently are no GHG emission standards applicable to DEF's existing units. Moreover, there are still no retrofit options commercially available to reduce carbon dioxide ("CO_2") emissions from fossil fuel-fired EGUs. The Company will continue to monitor and update the Commission on EPA's efforts to establish emission guidelines to address GHG from existing power plants under Section 111(d) of the federal Clean Air Act and whether changes to EPA's approach occur under the new Administration.

DEF is confident that the emission controls installed pursuant to Plan D, along with compliance strategies discussed further in this Plan, will enable the Company to achieve and maintain compliance with all applicable environmental regulations in a cost-effective manner.

I. Introduction

In its final order in the 2007 ECRC Docket (No. 070007-EI), the Commission approved DEF's updated Integrated Clean Air Compliance Plan (Plan D) as a reasonable and prudent means to comply with the requirements of CAIR, CAMR, CAVR and related regulatory requirements. In *In re Environmental Cost Recovery Clause*, Order No. PSC-07-0922-FOF-EI, p. 8 (Nov. 16, 2007), the Commission specifically found that "PEF's [now DEF's] updated Integrated Clean Air Compliance Plan represents the most cost-effective alternative for achieving and maintaining compliance with CAIR, CAMR, and CAVR, and related regulatory requirements, and it is reasonable and prudent for DEF to recover prudently incurred costs to implement the plan." *Id.* The Commission also directed DEF to file as part of its ECRC true-up testimony "a yearly review of the efficacy of its Plan D and the cost-effectiveness of [DEF's] retrofit options for each generating unit in relation to expected changes in environmental regulations." *Id.* The purpose of this report is to provide the required review for 2017.

II. Regulatory Background

The CAIR and CAVR programs required DEF and other utilities to significantly reduce emissions of SO_2 and NO_x. CAIR contemplated emission reductions in incremental phases, in which Phase I began in 2009 for NO_x and in 2010 for SO_2. Phase II was scheduled to begin in 2015 for both NO_x and SO_2. As noted later in this Plan, CAIR was remanded by the courts in 2008, but remained in place through 2014 while the EPA worked on development and implementation of an acceptable replacement rule. Following resolution of litigation, the replacement rule, CSAPR, took effect on January 1, 2015. The CAVR, designed to improve visibility in Class I areas, remains in effect and the status of the BART requirements under CAVR affecting DEF is provided in part D of this section of this Plan. The CAMR originally required reduction of mercury emissions at a system level and installation of mercury monitors. As discussed later in this Plan, CAMR was vacated in early 2008 and in lieu of CAMR, EPA published a final MATS rule on February 16, 2012.

In March 2006, the Company submitted a report and supporting testimony presenting its integrated plan for complying with the CAIR, CAVR, and CAMR, as well as the process the Company used to evaluate alternative plans, to the Commission. The analysis included an

examination of the projected emissions associated with several alternative plans and a comparison of economic impacts, in terms of cumulative present value of revenue requirements. The Company's Integrated Clean Air Compliance Plan, designated as Plan D, was found to be the most cost-effective compliance plan for CAIR, CAMR, and CAVR from among five alternative plans.

In June 2007, the Company submitted an updated report and supporting testimony summarizing the status of the Plan and an updated economic analysis incorporating certain Plan revisions necessitated by changed circumstances. Consistent with the approach utilized in 2006, the Company performed a quantitative evaluation to compare the ability of modified alternative plans to meet environmental requirements, while managing risks and controlling costs. That evaluation demonstrated that Plan D, as revised, is the Company's most cost-effective alternative to meet applicable regulatory requirements. Based on that analysis, the Commission approved Plan D as reasonable and prudent, and held that the Company should recover prudently incurred costs of implementing the Plan. In each subsequent ECRC docket, DEF has submitted its annual review of the Integrated Clean Air Compliance Plan for Commission review.

A. Status of CAIR and CSAPR

In July 2008, the D.C. Circuit issued a decision vacating CAIR in its entirety. *North Carolina v. EPA*, 531 F.3d 896 (D.C. Cir. 2008). However, the Court subsequently decided to remand CAIR without vacatur, thereby leaving the rule and its compliance obligations in place until EPA revises or replaces CAIR. *North Carolina v. EPA*, 550 F.3d 1176 (D.C. Cir. 2008). EPA adopted the CSAPR to replace the CAIR by publication in the *Federal Register* in August 2011. *See* 76 Fed. Reg. 48,208 (Aug. 8, 2011).

In Order No. PSC-11-0553-FOF-EI, issued in Docket No. 110007-EI on December 7, 2011, the Commission addressed the impact of CSAPR on the Company's recovery of NO_x emission allowance costs. Because CSAPR would no longer allow the Company to use NO_x allowances previously obtained under CAIR for compliance effective January 1, 2012, the Commission established a regulatory asset to allow the Company to recover the costs of its remaining NO_x allowance inventory over a three-year amortization period. However, on December 30, 2011, the D.C. Circuit stayed CSAPR, leaving CAIR in effect until the court completed its review of the new rule. Thus, the Company continued to maintain its NO_x

allowance inventory in order to comply with CAIR. Pursuant to the stipulation approved in Order No. PSC-11-0553-FOF-EI, the Company continued to expense NO_x allowance costs incurred to comply with CAIR based on actual usage consistent with current practice. In August 2012, the D.C. Circuit vacated CSAPR in its entirety, and in January 2013, the court denied EPA's petition for rehearing. *See EME Homer City Generation, L.P. v. EPA*, 696 F.3d 7 (D.C. Cir. 2013). The EPA subsequently appealed the court's vacatur to the U.S. Supreme Court and on April 29, 2014, the Supreme Court overturned the D.C. Circuit's decision vacating CSAPR and remanded the case back to the lower court for further action. On June 26, 2014, the EPA requested that the court lift the stay of the CSAPR and allow it to be implemented, under a revised schedule, beginning January 1, 2015. This request was granted on October 23, 2014, and the CSAPR went into effect on January 1, 2015, replacing the CAIR. On July 28, 2015, the D.C. Circuit determined that EPA failed to cost justify a number of Phase 2 emission allowance budgets for certain states, including Florida, citing they were more stringent than necessary to achieve air compliance in downwind states, and held the Phase 2 NO_x allowance allocations invalid. Finally, on November 17, 2015, EPA proposed a revised CSAPR. EPA proposed to remove Florida from the CSAPR program, beginning with the 2017 ozone season; however, EPA stated that it will perform additional modeling that could result in changing that proposal.

On September 7, 2016, EPA finalized its CSAPR Update rule, lowering the current CSAPR state ozone season NO_x emission budgets for 22 Eastern states. EPA eliminated Florida, South Carolina, and North Carolina from the CSAPR ozone season program based on modeling which shows that NO_x emissions from these states do not significantly contribute to ozone nonattainment in any downwind state. This means that Duke Energy sources in Florida will not be subject to any CSAPR ozone season NO_x emission limitations beginning in 2017.

B. Vacatur of CAMR and Adoption of MATS

In February 2008, the D.C. Circuit Court vacated CAMR and rejected EPA's delisting of coal-fired EGUs from the list of emission sources that are subject to Section 112 of the Clean Air Act. *See New Jersey v. EPA*, 517 F.3d 574 (D.C. Cir. 2008). As a result, in lieu of CAMR, EPA was required to adopt new emissions standards for control of various hazardous air pollutant emissions from coal-fired EGUs. *Id*. EPA issued its proposed rule to replace CAMR on March 16, 2011, with publication following in the *Federal Register* on May 3, 2011. *See* 76

Fed. Reg. 24976 (May 3, 2011). On February 16, 2012, EPA published the final rule which established new MATS limits for emissions of various metals and acid gases from both coal- and oil-fired EGUs. Compliance generally must be achieved within three years of EPA's adoption of MATS (i.e., April 16, 2015), although the Clean Air Act authorizes permitting authorities to grant one-year compliance extensions in certain circumstances. On June 29, 2015, the U.S. Supreme Court remanded the MATS rule to the D.C. Circuit, finding that the EPA insufficiently considered costs in determining that it is "appropriate and necessary" to regulate mercury from power plants. On December 15, 2015, the D.C. Circuit remanded the MATS rule to EPA without vacatur, and EPA committed to completing its consideration of cost by April 16, 2016. On March 3, 2016, the U.S. Supreme Court denied a request for a stay of the MATS rule while the EPA completes it cost consideration, thus the MATS rule remains in effect pending the cost consideration process. On March 18, 2016, a coalition of 20 states led by Michigan petitioned the Court for a writ of certiorari asking the Court to declare whether an administrative rule promulgated without statutory authority may be left in effect by a reviewing court during the pendency of its review. *See State of Mich., et al. v. EPA*, Pet. for Writ of Cert. to U.S. Sup. Ct. (filed Mar. 18, 2016). On April 14, 2016 EPA issued a final finding that it is appropriate and necessary to set standards for emissions of air toxics from coal- and oil-fired power plants. This finding responded to the decision by the U.S. Supreme Court that EPA must consider cost in the appropriate and necessary finding supporting MATS. This finding has been challenged.

In the 2011 ECRC docket, the Commission recognized that EPA's adoption of MATS for EGUs would require the Company to modify its Integrated Clean Air Compliance Plan. Order No. PSC-11-0553-FOF-EI, at 11. Accordingly, consistent with the Commission's expectation that utilities "take steps to control the level of costs that must be incurred for environmental compliance," Order No. PSC-08-0775-FOF-EI, at 7, the Commission approved the Company's request to recover costs incurred to assess EPA's proposed rule, prepare comments to EPA, and develop compliance strategies within the aggressive regulatory timeframes proposed by EPA.

C. Greenhouse Gas Regulation

In 2007, then-Governor Crist issued Executive Order 07-127 directing the FDEP to promulgate regulations requiring reductions in utility CO_2 emissions. In addition, the 2008 Florida Legislature enacted legislation authorizing FDEP to adopt rules establishing a cap-and-

trade program and requiring the FDEP to submit any such rules for legislative review and ratification. However, the FDEP did not adopt any cap-and-trade rules, and the Legislature subsequently repealed the 2008 law. Likewise, although a number of bills that would regulate GHG emissions have been introduced to Congress over the past several years, none have become law. In the meantime, the EPA has begun implementing a regulatory approach to reducing GHG emissions through the Clean Air Act. At this time, however, there are no GHG emission standards applicable to DEF's existing generating units. Moreover, there are still no retrofit options commercially available to reduce CO_2 emissions from fossil fuel-fired electric generating units such as CR Units 4 and 5, which are the primary focus of DEF's compliance plan. To date, there have been no large-scale commercial carbon capture and storage technology demonstrations on electric utility units. Until numerous technological, regulatory, and liability issues are resolved, it will be impossible to determine whether carbon capture and storage would be a technically-feasible or cost-effective means of complying with a CO_2 regulatory regime. Moreover, replacing coal-fired generation from CR Units 4 and 5 with lower CO_2-emitting natural gas-fired combined cycle generation is not a viable option at this late date, particularly given the fact that DEF has placed in service Plan D components.

On June 25, 2013, President Obama issued a Presidential Memorandum directing the EPA to establish GHG emission guidelines for existing power plants under Section 111(d) of the Clean Air Act. The Presidential Memorandum directed the EPA to issue proposed GHG standards, regulations, or guidelines, as appropriate, for existing power plants by no later than June 1, 2014, and issue final standards, regulations or guidelines, as appropriate, by no later than June 1, 2015. In addition, the Presidential Memorandum directed the EPA to include a requirement in the new regulations that states submit State Implementation Plans ("SIPs") to implement the new guidelines by no later than June 30, 2016.

On August 3, 2015, the EPA released the final New Source Performance Standards ("NSPS") for CO_2 emissions from existing fossil fuel-fired EGUs (also known as the Clean Power Plan or "CPP"). The final CPP established state-specific emission goals; for Florida, the goals begin a phased approach in 2022, ending with a rate goal of 919 lb. CO_2/MWh annual average for the period 2030 and beyond. Alternatively, the state can adopt a mass emissions approach culminating in a 2030 target of 105,094,704 tons (existing units) or 106,641,595 tons (existing plus new units). The final CPP has been challenged in the D.C. Circuit by 27 states and

a number of industry groups. Oral argument occurred on September 27, 2016. A decision by the D.C. Circuit is likely in the first half of 2017. In addition, on February 9, 2016, the U.S. Supreme Court placed a stay on the CPP until such time that all litigation is completed.

Also, on August 3, 2015, the EPA released the final NSPS for CO_2 emissions from new, modified and reconstructed fossil fuel-fired EGUs. The rule includes emission limits of 1,400 lb. CO_2/MWh for new coal-fired units and 1,000 lb. CO_2/MWh for new natural gas combined-cycle units. This rule has also been challenged in the D.C. Circuit.

On March 28, 2017, President Trump signed an Executive Order ("EO") entitled "Promoting Energy Independence and Economic Growth." The EO directs federal agencies to "immediately review existing regulations that potentially burden the development or use of domestically produced energy resources and appropriately suspend, revise, or rescind those that unduly burden the development of domestic energy resources." The EO specifically directs the EPA to review the following rules and determine whether to suspend, revise, or rescind those rules:

- The final CO_2 emission standards for existing power plants ("CPP");
- The final CO_2 emission standards for new power plants ("CO_2 NSPS");
- The proposed Federal Plan and Model Trading Rules that accompanied the CPP.

In response to the EO, the Department of Justice filed motions with the D.C. Circuit Court to stay the litigation of both the CPP and the CO_2 NSPS rules while each is reviewed by EPA. The EO does not change the current status of the CPP which is under a legal hold by the U.S. Supreme Court. With regard to the CO_2 NSPS, that rule will remain in effect pending the outcome of EPA's review.

D. Status of BART Requirements under CAVR

In 2009, the FDEP issued a permit imposing BART requirements for particulate matter ("PM") emissions from CR Units 1 and 2. The 2009 permit did not impose BART requirements for SO_2 and NO_x emissions because, at the time, the EPA assumed that compliance with CAIR would satisfy BART requirements for SO_2 and NO_x. Following the proposed adoption of CSAPR, in early 2012, the EPA revised its previous determination to replace the "CAIR satisfies

BART" assumption with "CSAPR satisfies BART." In late 2011, CSAPR was vacated (although later re-instated – see part A above), leaving CAIR in effect and resulting in confusion regarding the ability to rely on CAIR (or CSAPR) to satisfy BART requirements. As a result, in 2012, the Company worked with the FDEP to develop and finalize air construction permits to address SO_2 and NO_x emissions from CR Units 1 and 2 in support of FDEP's development of a revised Regional Haze SIP to address CAVR requirements for SO_2 and NO_x. The permits call for the installation of Dry FGD and SCR no later than January 1, 2018, or within 5 years of the effective date of the EPA's approval of the Florida Regional Haze SIP, whichever is later, or alternatively the discontinuation of the use of coal in CR Units 1 and 2 by December 31, 2020. DEF ultimately selected the latter of the two options.

As discussed in the Company's 2013 Integrated Clean Air Compliance Plan, the FDEP subsequently submitted to EPA a revised Regional Haze SIP containing unit-specific determinations for SO_2 and NO_x, including the new permit requirements for CR Units 1 and 2. EPA formally approved the FDEP's revised Regional Haze SIP in August 2013. *See* 78 Fed Reg. 53250 (Aug. 29, 2013). Although third parties initially petitioned for review of EPA's approval in the U.S. Court of Appeals for the Eleventh Circuit, the petition was subsequently withdrawn and the SIP approval remains in place.

E. Status of National Ambient Air Quality Standards (NAAQS)

The EPA and FDEP are working to implement the 2010 one-hour NAAQS for SO_2. In mid-2013, the EPA finalized nonattainment designations for two small areas in Florida outside of DEF's service territory (one in Nassau County, one in Hillsborough County) based on existing monitoring data. The EPA deferred making any area designations (attainment, nonattainment, or unclassifiable) for the remainder of the state. On August 21, 2015, the EPA published a final rule that describes requirements for additional ambient air quality monitoring and/or modeling that will be used to determine future rounds of area designations. Under the rule, the EPA will make future nonattainment designations in 2017 for modeled areas and in 2020 for monitored areas. Based on the EPA modeling protocol, the FDEP modeled the area surrounding the Crystal River facility and determined that future operation will not cause a nonattainment issue. This finding was provided to EPA on January 13, 2017, as part of the FDEP's Data Requirements

Rule package submittal. DEF will continue to monitor these regulatory efforts and update the Commission on potential impact to DEF facilities.

In 2010, EPA also revised its NO_2 NAAQS to implement a new one-hour standard. At this time, however, DEF does not anticipate that the new standard will impact compliance measures at DEF facilities.

On October 1, 2015, the EPA issued a revised NAAQS for ambient ozone, changing the standard to 70 parts per billion (ppb) averaged over 8 hours from the previous level of 75 ppb. There are currently no nonattainment areas with respect to the revised standard in Florida; therefore, DEF does not anticipate an impact on its compliance measures.

III. DEF's Integrated Clean Air Compliance Plan

The Company's original compliance plan (Plan D) will continue to help it meet applicable environmental requirements by striking a balance between reducing emissions, primarily through installation of controls on its largest and newest coal units (CR Units 4 and 5), and making strategic use of the allowance markets to comply with CSAPR requirements. The controls installed in accordance with Plan D will continue to be the cornerstone of DEF's compliance strategy with the adoption of MATS and other ongoing regulatory efforts. Specific components of the Plan are summarized below.

A. FGD Systems

The most significant component of DEF's Integrated Clean Air Compliance Plan is the installation of FGD systems, also known as wet scrubbers, on CR Units 4 and 5 to comply with CAIR, Title IV of the Clean Air Act, and other SO_2 control requirements in DEF's air permits for these units. The FGDs also reduce mercury and acid gasses and, therefore, are a key component of DEF's MATS compliance strategy. In particular, the co-benefits of the FGDs and SCRs reduce mercury emissions by 90-95% under typical conditions.

B. SCR & Other NO_x Controls

The primary component of DEF's NO_x compliance plan is the installation of LNBs and SCR systems on CR Units 4 and 5. These controls enable DEF to comply with CAIR/CSAPR

and other NO_x control requirements included in its air permits for the units. As discussed above, the SCRs also help achieve MATS requirements for mercury.

DEF has taken strategic advantage of CAIR's cap-and-trade feature by purchasing some annual and ozone season NO_x allowances; however, as explained above, the court stay of the CSAPR was lifted, and the rule went into effect replacing CAIR on January 1, 2015. Under the CSAPR, the State of Florida is only affected by the ozone season requirements of the rule, which apply in May through September. Consequently, DEF has NO_x CAIR emission allowances that cannot be used to comply with the CSAPR. DEF has established a regulatory asset to recover the costs of its remaining NO_x CAIR emission allowance inventory over a three-year amortization period beginning January 2015 in accordance with Order No. PSC-11-0553-FOF-EI.

C. Additional MATS Compliance Strategies

DEF determined that the most cost-effective option for its Anclote Units 1 and 2 was conversion to fire 100% natural gas rather than installation of emission controls to comply with MATS. This was approved by the Commission in Docket 120103-EI.

Suwannee Units 1, 2 and 3 operate exclusively on natural gas and, therefore, are not subject to MATS requirements. At the end of 2016, these units were retired.

DEF utilizes ESP, FGD, and SCR systems as the primary MATS control technologies for CR Units 4 and 5. In addition, DEF has installed chemical injection systems to mitigate mercury re-emissions from the FGDs.

For CR Units 1&2, DEF has determined that the use of alternative coals (along with dry sorbent injection, PAC injection, and ESP enhancements) is a feasible and cost-effective strategy to allow these units to continue running for a limited period of time in compliance with MATS and BART requirements until new generation can be built. This plan was approved by the Commission in Order No. PSC-14-0173-PAA-EI (April 17, 2014).

D. Visibility Requirements

DEF operates four units that are potentially subject to BART under CAVR: Anclote Units 1 and 2 and CR Units 1 and 2. Based on modeling of air emissions from Anclote Units 1 and 2, those units are exempt from BART for PM. Because the modeling results for CR Units 1

and 2 showed visibility impacts at or above regulatory threshold levels, DEF obtained a BART permit in 2009 for PM for those units. This permit established a combined BART PM emission standard for Crystal River Units 1 and 2 that requires demonstration of compliance by October 1, 2013. This deadline was met and the units now operate in compliance with the permit which was effective on January 1, 2014. As discussed above, in 2012 FDEP issued air construction permits addressing SO_2 and NO_x requirements for CR Units 1 and 2 in support of FDEP's development of a revised Regional Haze SIP. These units are also subject to the Reasonable Further Progress ("Beyond BART") requirements under CAVR which are scheduled to take effect in 2018. As presented in the Company's petition approved in Order PSC-14-0173-PAA-EI, DEF determined that the use of alternative coals with installation of less expensive pollution controls will provide a cost-effective means for it to continue operating CR Units 1 and 2 in compliance with MATS and CAVR for a limited time until replacement generation can be constructed.

IV. Efficacy of DEF's Plan

A. Project Milestones

DEF completed installation of Plan D's controls on CR Units 4 and 5 as contemplated in prior ECRC filings. CR Units 4 and 5 FGD and SCR projects are now in-service, and targeted environmental benefits have been met. In addition to reducing SO_2 and NO_x emissions, the FGDs and SCRs have the combined effect of reducing mercury and other emissions regulated by MATS. DEF installed mercury re-emission control systems in 2015 and has demonstrated compliance with the applicable MATS requirements for CR Units 4 and 5.

The Commission approved DEF's Need Petition in Docket No. 140110-EI to construct the Citrus County Combined Cycle Units which are scheduled for commercial operation in 2018 and will allow for the retirement of coal-fired CR Units 1 and 2. DEF installed pollution controls on CR Units 1 and 2 to allow for continued operation in compliance with MATS and BART until the Citrus units are operational. Targeted environmental benefits have been met.

Anclote Units 1 and 2 were converted to fire 100% natural gas in 2013. Necessary upgrades to the forced draft fans were completed in 2014 in order to maintain unit output. Targeted environmental benefits have been met.

B. Projects

CR Units 4 and 5 FGD and SCR projects are now in-service, and the targeted environmental benefits have been met. The Anclote units have been converted to fire 100% natural gas. DEF intends to continue operating CR Units 1 and 2 in compliance with BART and MATS requirements as outlined in Order No. PSC-14-0173-PAA-EI.

C. Uncertainties

The impacts of ongoing federal rulemaking activities on the compliance plan include:

- The final regulation on cooling water intake structures, Clean Water Act Section 316(b), will influence decisions with regard to control technologies to meet new standards. The rule was issued on May 19, 2014 with an effective date of October 14, 2014. New rule requirements are being assessed, and DEF's compliance strategies may be altered when this evaluation is complete. Compliance with the 316(b) rule could result in the need for substantial capital improvements and/or plant modifications which could influence decisions with regard to control technologies to meet new standards. The compliance schedule for 316(b) is determined by each station's National Pollutant Discharge Elimination System ("NPDES") permit cycle.
- On September 30, 2015, the EPA finalized the updated Steam Electric Effluent Limitation Guidelines ("ELG") for electric power plants, with a publication date of November 3, 2015. Compliance with this rule will affect decisions associated with the treatment of wastewater generated by the wet FGDs, and discharges from the bottom ash dewatering system at CR Units 4 and 5.
- EPA signed the final CCR rule on December 19, 2014 and it was published on April 17, 2015. This rule will affect decisions associated with the handling of CCRs, including fly ash, bottom ash, and materials generated from operation of wet FGDs, including synthetic gypsum. DEF completed installation of 21 monitoring wells in December 2015 and January 2016. Sampling of these wells will be performed with results statistically analyzed in January 2018 to determine the need for further actions to comply with the rule.

V. Conclusion

DEF has completed installation of the emission controls contemplated in its approved Plan D on time and within budget. The FGD and SCR systems at CR Units 4 and 5 have enabled DEF to comply with CAIR, and subsequently the CSAPR requirements and will continue to be the cornerstone of DEF's integrated air quality compliance strategy for years to come. DEF is confident that Plan D, along with the other compliance strategies discussed in the document, has enabled the Company to achieve and maintain compliance with applicable regulations, including MATS, in a cost-effective manner.