Matthew R. Bernier
Associate General Counsel
Duke Energy Florida, LLC.

March 29, 2019

VIA ELECTRONIC FILING

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

Re: *Environmental Cost Recovery Clause; Docket No. 20190007-EI*

Dear Mr. Teitzman:

On behalf of Duke Energy Florida, LLC ("DEF"), please find enclosed for electronic filing in the above-referenced docket, DEF's 2018 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 2018 to December 2018;
- 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 Kim McDaniel and Exhibit No. ___ (KSD-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. 20190007-EI Filed: March 29, 2019

DUKE ENERGY FLORIDA'S PETITION FOR APPROVAL OF ENVIRONMENTAL COST RECOVERY CLAUSE FINAL TRUE-UP FOR THE PERIOD JANUARY 2018 - DECEMBER 2018

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 $6,433,136, and an over-recovery of $1,988,942 as the adjusted net true-up for the period January 2018 through December 2018. In support of this Petition, DEF states:

1. The actual end-of-period ECRC true-up over-recovery amount of $6,433,136 for the period January 2018 through December 2018 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 2018 through December 2018 are presented in the direct testimonies of Timothy Hill, Kim McDaniel, and Jeffrey Swartz filed with this Petition and incorporated herein.

2. In Order No. PSC-2018-0594-FOF-EI, the Commission approved an over-recovery of $4,444,194 as the estimated/actual ECRC true-up for the period January 2018 through December 2018.

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 2018 through December 2018 is an over-

recovery of $1,988,942, which is the difference between the actual true-up over-recovery of $6,433,136 and the estimated/actual true-up over-recovery of $4,444,194.

WHEREFORE, DEF respectfully requests that the Commission approve the Company's final 2018 end-of-period Environmental Cost Recovery True-Up amount of an over-recovery amount of $6,433,136, and an over-recovery of $1,988,942 as the adjusted net true-up for the period January 2018 through December 2018.

RESPECTFULLY SUBMITTED this 29th day of March, 2019.

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 29th day of March, 2019.

s/Matthew R. Bernier
Attorney

Charles Murphy / Ashley Weisenfeld Office of General Counsel Florida Public Service Commission 2540 Shumard Oak Blvd. Tallahassee, FL 32399-0850 cmurphy@psc.state.fl.us aweisenf@psc.state.fl.us James D. Beasley / J. Jeffry Wahlen Ausley McMullen P.O. Box 391 Tallahassee, FL 32302 jbeasley@ausley.com jwahlen@ausley.com Steven R. Griffin Beggs & Lane P.O. Box 12950 Pensacola, FL 32591 srg@beggslane.com Russell A. Badders Gulf Power Company One Energy Place Pensacola, FL 32520 russell.badders@nexteraenergy.com Holly Henderson Gulf Power Company 215 S. Monroe St., Ste. 618 Tallahassee, FL 32301 holly.henderson@nexteraenergy.com Jon C. Moyle, Jr. Moyle Law Firm, P.A. 118 North Gadsden Street Tallahassee, FL 32301 jmoyle@moylelaw.com; mqualls@moylelaw.com	Maria Moncada Florida Power & Light Company 700 Universe Boulevard (LAW/JB) Juno Beach, FL 33408-0420 maria.moncada@fpl.com J.R. Kelly / P. Christensen / C. Rehwinkel / T. David / S. Morse Office of Public Counsel c/o The Florida Legislature 111 West Madison Street, Room 812 Tallahassee, FL 32399-1400 rehwinkel.charles@leg.state.fl.us kelly.jr@leg.state.fl.us christensen.patty@leg.state.fl.us david.tad@leg.state.fl.us morse.stephanie@leg.state.fl.us Ms. Paula K. Brown Tampa Electric Company Regulatory Affairs P.O. Box 111 Tampa, FL 33601 regdept@tecoenergy.com James W. Brew / Laura A. Wynn Stone Law Firm 1025 Thomas Jefferson Street, N.W. Eighth Floor, West Tower Washington, DC 20007 jbrew@smxblaw.com law@smxblaw.com George Cavros 120 E. Oakland Park Blvd., Ste. 105 Fort Lauderdale, FL 33334 george@cavros-law.com Kenneth Hoffman Florida Power & Light Company 215 S. Monroe Street, Suite 810 Tallahassee, FL 32301-1858 ken.hoffman@fpl.com

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

DIRECT TESTIMONY OF

CHRISTOPHER MENENDEZ

ON BEHALF OF

DUKE ENERGY FLORIDA, LLC

DOCKET NO. 20190007-EI

March 29, 2019

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 2018 - December 2018.

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 2018 - December 2018.
- 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 2018 - December 2018?

A. DEF requests approval of an over-recovery amount of $6,433,136 for the year ending December 31, 2018. 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 2018 - December 2018 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 adjusted net true-up over-recovery amount of $1,988,942 for the period January 2018 - December 2018 reflected on Line 3 of Form 42-1A. This amount is the difference between an actual over-recovery amount of $6,433,136 and an actual/estimated over-recovery of $4,444,194 for the period January 2018 - December 2018, as approved in Order PSC-2018-0594-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 2018 - December 2018 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 $3,231,435 or 8% lower than projected. Individual O&M project variances are on Form 42-4A. Explanations associated with variances are contained in the direct testimonies of Timothy Hill, Jeffrey Swartz, and Kim McDaniel.

Q. How did actual capital recoverable expenditures for January 2018 - December 2018 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 $41,943 or 0.2% 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 Kim McDaniel.

Q. Does this conclude your testimony?

A. Yes.

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

January 2018 - December 2018
Final True-Up
Docket No. 20190007-EI

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
Final True-Up
January 2018 - December 2018
(in Dollars)

Line		Period Amount
1	Over/(Under) Recovery for the Period January 2018 - December 2018 (Form 42-2A, Line 5 + 6 + 10)	$ 6,433,136
2	Actual/Estimated True-Up Amount Approved for the Period January 2018 - December 2018 (Order No. PSC-2018-0594-FOF-EI)	4,444,194
3	Final True-Up Amount to be Refunded/(Recovered) in the Projection Period January 2020 to December 2020 (Lines 1 - 2)	$ 1,988,942

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
Final True-Up
January 2018 - December 2018

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

Line	Description		Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	End of Period Total
1	ECRC Revenues (net of Revenue Taxes)		$4,325,385	$4,601,370	$4,522,575	$4,290,070	$4,441,341	$5,355,200	$5,910,856	$5,776,457	$5,968,542	$5,725,482	$4,969,597	$4,405,148	60,292,021
2	True-Up Provision	3,017,507	$251,459	$251,459	$251,459	$251,459	$251,459	$251,459	$251,459	$251,459	$251,459	$251,459	$251,459	$251,459	3,017,507
	(Order No. PSC-2018-0014-FOF-EI)														
3	ECRC Revenues Applicable to Period (Lines 1 + 2)		$4,576,844	4,852,829	4,774,034	4,541,529	4,692,799	5,606,659	6,162,314	6,027,916	6,220,000	5,976,941	5,221,056	4,656,607	63,309,528
4	Jurisdictional ECRC Costs														
	a. O & M Activities (Form 42-5A, Line 9)		$2,675,819	$3,123,560	$3,739,185	$2,310,113	$2,642,622	$2,360,504	$2,300,884	$3,671,409	$2,862,792	$2,943,373	$2,108,252	$2,099,296	$32,837,809
	b. Capital Investment Projects (Form 42-7A, Line 9)		1,908,206	1,922,411	1,949,145	1,983,572	1,978,288	1,989,340	2,010,055	2,038,477	2,066,340	2,092,204	2,121,719	2,139,388	24,199,144
	c. Other (A)		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Total Jurisdictional ECRC Costs		$4,584,025	$5,045,971	$5,688,330	$4,293,685	$4,620,910	$4,349,844	$4,310,939	$5,709,886	$4,929,132	$5,035,577	$4,229,971	$4,238,684	$57,036,953
5	Over/(Under) Recovery (Line 3 - Line 4d)		($7,181)	($193,142)	($914,296)	$247,844	$71,890	$1,256,815	$1,851,376	$318,030	$1,290,869	$941,364	$991,085	$417,923	$6,272,575
6	Interest Provision (Form 42-3A, Line 10)		9,783	9,422	9,520	9,285	9,157	10,128	12,610	14,006	15,847	18,580	20,272	21,951	160,561
7	Beginning Balance True-Up & Interest Provision		3,017,507	2,768,650	2,333,471	1,177,236	1,182,906	1,012,494	2,027,977	3,640,504	3,721,081	4,776,338	5,484,823	6,244,721	3,017,507
	a. Deferred True-Up - January 2017 - December 2017 (2017 TU filing dated 4/2/18)		4,814,791	4,814,791	4,814,791	4,814,791	4,814,791	4,814,791	4,814,791	4,814,791	4,814,791	4,814,791	4,814,791	4,814,791	4,814,791
8	True-Up Collected/(Refunded) (see Line 2)		(251,459)	(251,459)	(251,459)	(251,459)	(251,459)	(251,459)	(251,459)	(251,459)	(251,459)	(251,459)	(251,459)	(251,459)	(3,017,507)
9	End of Period Total True-Up (Lines 5+6+7+7a+8)		$7,583,441	$7,148,262	$5,992,027	$5,997,697	$5,827,285	$6,842,768	$8,455,295	$8,535,872	$9,591,129	$10,299,614	$11,059,512	$11,247,927	$11,247,927
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)		$7,583,441	$7,148,262	$5,992,027	$5,997,697	$5,827,285	$6,842,768	8,455,295	$8,535,872	$9,591,129	$10,299,614	$11,059,512	$11,247,927	$11,247,927

Notes:
(A) N/A

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
Final True-Up
January 2018 - December 2018

Interest Provision
(in Dollars)

Line	Description	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	End of Period Total
1	Beginning True-Up Amount (Form 42-2A, Line 7 + 7a + 10)	$7,832,298	$7,583,441	$7,148,262	$5,992,027	$5,997,697	$5,827,285	$6,842,768	$8,455,295	$8,535,872	$9,591,129	$10,299,614	$11,059,512	
2	Ending True-Up Amount Before Interest (Line 1 + Form 42-2A, Lines 5 + 8)	7,573,658	7,138,840	5,982,507	5,988,412	5,818,128	6,832,640	8,442,685	8,521,866	9,575,282	10,281,034	11,039,240	11,225,976	
3	Total of Beginning & Ending True-Up (Lines 1 + 2)	15,405,956	14,722,281	13,130,769	11,980,439	11,815,824	12,659,925	15,285,454	16,977,162	18,111,154	19,872,163	21,338,854	22,285,488	
4	Average True-Up Amount (Line 3 x 1/2)	7,702,978	7,361,141	6,565,385	5,990,220	5,907,912	6,329,963	7,642,727	8,488,581	9,055,577	9,936,082	10,669,427	11,142,744	
5	Interest Rate (Last Business Day of Prior Month)	1.58%	1.46%	1.62%	1.86%	1.85%	1.86%	1.98%	1.98%	1.98%	2.21%	2.27%	2.30%	
6	Interest Rate (Last Business Day of Current Month)	1.46%	1.62%	1.86%	1.85%	1.86%	1.98%	1.98%	1.98%	2.21%	2.27%	2.30%	2.42%	
7	Total of Beginning & Ending Interest Rates (Lines 5 + 6)	3.04%	3.08%	3.48%	3.71%	3.71%	3.84%	3.96%	3.96%	4.19%	4.48%	4.57%	4.72%	
8	Average Interest Rate (Line 7 x 1/2)	1.520%	1.540%	1.740%	1.855%	1.855%	1.920%	1.980%	1.980%	2.095%	2.240%	2.285%	2.360%	
9	Monthly Average Interest Rate (Line 8 x 1/12)	0.127%	0.128%	0.145%	0.155%	0.155%	0.160%	0.165%	0.165%	0.175%	0.187%	0.190%	0.197%	
10	Interest Provision for the Month (Line 4 x Line 9)	$9,783	$9,422	$9,520	$9,285	$9,157	$10,128	$12,610	$14,006	$15,847	$18,580	$20,272	$21,951	$160,561

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
Final True-Up
January 2018 - December 2018

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	$332,113	$484,949	($152,836)	-32%
	1a	Distribution Substation Environmental Investigation, Remediation, and Pollution Prevention	354,283	371,361	(17,079)	-5%
	2	Distribution System Environmental Investigation, Remediation, and Pollution Prevention	0	8,000	(8,000)	-100%
	3	Pipeline Integrity Management - Bartow /Anclote Pipeline - Intm	0	0	0	0%
	4	Above Ground Tank Secondary Containment	0	0	0	0%
	5	SO2/NOx Emissions Allowances - Energy	38,535	37,593	942	3%
	6	Phase II Cooling Water Intake 316(b) - Base	460,628	232,200	228,428	98%
	6a	Phase II Cooling Water Intake 316(b) - Intm	128,744	32,989	95,755	290%
	7.2	CAIR/CAMR - Peaking - Demand	0	0	0	0%
	7.4	CAIR/CAMR Crystal River - Base	16,164,486	16,027,287	137,199	1%
	7.4	CAIR/CAMR Crystal River - Energy	15,516,154	17,461,449	(1,945,295)	-11%
	7.4	CAIR/CAMR Crystal River - A&G	69,722	96,243	(26,522)	-28%
	7.4	CAIR/CAMR Crystal River - Conditions of Certification - Energy	39,561	495,000	(455,439)	-92%
	7.5	Best Available Retrofit Technology (BART) - Energy	0	0	0	0%
	8	Arsenic Groundwater Standard - Base	173,969	170,228	3,740	2%
	9	Sea Turtle - Coastal Street Lighting - Distrib	46,966	600	46,366	7728%
	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 Program CRN - Energy	0	40,000	(40,000)	-100%
	16	National Pollutant Discharge Elimination System (NPDES) - Energy	29,925	32,320	(2,394)	-7%
	17	Mercury & Air Toxic Standards (MATS) CR4 & CR5 - Energy	68,478	458,901	(390,423)	-85%
	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	972,139	1,496,883	(524,745)	-35%
	18	Coal Combustion Residual (CCR) Rule - Energy	714,718	895,851	(181,133)	-20%
2	Total O&M Activities - Recoverable Costs		$35,110,419	$38,341,855	($3,231,435)	-8%
3	Recoverable Costs Allocated to Energy		17,379,509	20,917,997	(3,538,488)	-17%
4	Recoverable Costs Allocated to Demand		17,730,910	17,423,858	307,053	2%

Notes:

Column (1) End of Period Totals on Form 42-5A
Column (2) 2018 Estimated/Actual Filing (7/25/2018)
Column (3) = Column (1) - Column (2)
Column (4) = Column (3) / Column (2)

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
Final True-Up
January 2018 - December 2018

O&M Activities
(in Dollars)

Line	Description	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	End of Period Total
1	Description of O&M Activities													
	1 Transmission Substation Environmental Investigation, Remediation, and Pollution Prevention	$15,917	$71,800	$43,589	$47,512	$45,491	$29,833	$10,152	$12,174	$4,233	$9,175	$14,645	$27,594	$332,113
	1a Distribution Substation Environmental Investigation, Remediation, and Pollution Prevention	8,980	53,537	10,074	4,346	113,464	102,651	8,015	21,333	13,335	3,640	12,894	2,014	354,283
	2 Distribution System Environmental Investigation, Remediation, and Pollution Prevention	0	0	0	0	0	0	0	0	0	0	0	0	0
	3 Pipeline Integrity Management - Bartow/Anclote Pipeline - Intm	0	0	0	0	0	0	0	0	0	0	0	0	0
	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	2,120	4,060	4,165	16,202	(16,942)	2,596	6,100	5,213	4,590	4,376	4,241	1,815	38,535
	6 Phase II Cooling Water Intake 316(b) - Base	13,731	21,490	0	15,301	21,518	16,313	0	84,095	67,421	125,789	62,543	32,427	460,628
	6a Phase II Cooling Water Intake 316(b) - Intm	3,372	(2,497)	19,663	(10,798)	11,523	5,425	33,385	(48,412)	118,849	(45,982)	17,085	27,129	128,744
	7.2 CAIR/CAMR - Peaking	0	0	0	0	0	0	0	0	0	0	0	0	0
	7.4 CAIR/CAMR Crystal River - Base	1,161,373	1,700,788	2,792,300	1,370,991	1,401,303	885,854	1,154,876	1,873,931	1,110,001	1,208,300	818,329	686,441	16,164,486
	7.4 CAIR/CAMR Crystal River - Energy	1,545,080	1,380,970	1,001,199	810,262	1,125,740	1,342,446	1,133,482	1,690,633	1,520,675	1,736,245	1,122,762	1,106,661	15,516,154
	7.4 CAIR/CAMR Crystal River - A&G	4,886	5,843	8,058	5,279	5,214	6,594	8,647	8,575	5,500	3,291	4,966	2,870	69,722
	7.4 CAIR/CAMR Crystal River - Conditions of Certification - Energy	0	0	0	0	0	0	0	0	0	2,714	2,482	34,364	39,561
	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	11,543	14,370	20,742	43,080	0	23,437	0	5,087	11,326	3,777	8,488	32,119	173,969
	9 Sea Turtle - Coastal Street Lighting - Distrib	0	0	0	0	0	0	0	46,966	0	0	0	0	46,966
	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	0	0	11,423	544	2,263	0	0	2,485	0	0	9,876	3,335	29,925
	17 Mercury & Air Toxic Standards (MATS) CR4 & CR5 - Energy	0	0	472	13,715	24,714	1,406	0	27,763	0	0	408	0	68,478
	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	56,394	73,910	88,235	141,371	71,644	71,609	90,688	43,526	160,869	78,627	60,917	34,350	972,139
	18 Coal Combustion Residual (CCR) Rule - Energy	19,496	17,889	15,649	12,437	33,004	46,884	19,586	139,147	66,726	(3,115)	102,157	244,860	714,718
2	Total of O&M Activities	$2,842,893	$3,342,159	$4,015,568	$2,470,241	$2,838,935	$2,535,047	$2,464,930	$3,912,514	$3,083,522	$3,126,836	$2,241,794	$2,235,979	$35,110,419
3	Recoverable Costs Allocated to Energy	1,623,090	1,476,829	1,121,143	994,530	1,240,422	1,464,940	1,249,855	1,908,766	1,752,859	1,818,846	1,302,844	1,425,385	17,379,509
4	Recoverable Costs Allocated to Demand - Transm	15,917	71,800	43,589	47,512	45,491	29,833	10,152	12,174	4,233	9,175	14,645	27,594	332,113
	Recoverable Costs Allocated to Demand - Distrib	8,980	53,537	10,074	4,346	113,464	102,651	8,015	68,299	13,335	3,640	12,894	2,014	401,249
	Recoverable Costs Allocated to Demand - Prod-Base	1,186,647	1,736,648	2,813,042	1,429,372	1,422,821	925,604	1,154,876	1,963,113	1,188,747	1,337,866	889,360	750,988	16,799,083
	Recoverable Costs Allocated to Demand - Prod-Intm	3,372	(2,497)	19,663	(10,798)	11,523	5,425	33,385	(48,412)	118,849	(45,982)	17,085	27,129	128,744
	Recoverable Costs Allocated to Demand - Prod-Peaking	0	0	0	0	0	0	0	0	0	0	0	0	0
	Recoverable Costs Allocated to Demand - A&G	4,886	5,843	8,058	5,279	5,214	6,594	8,647	8,575	5,500	3,291	4,966	2,870	69,722
5	Retail Energy Jurisdictional Factor	0.95280	0.95010	0.94890	0.95290	0.93750	0.93350	0.94470	0.94230	0.94180	0.94620	0.95330	0.95270	
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)	1,546,480	1,403,135	1,063,852	947,688	1,162,895	1,367,521	1,180,738	1,798,630	1,650,843	1,720,993	1,242,001	1,357,964	16,442,740
8	Jurisdictional Demand Recoverable Costs - Transm (B)	11,174	50,406	30,601	33,355	31,936	20,944	7,127	8,546	2,971	6,441	10,281	19,372	233,154
	Jurisdictional Demand Recoverable Costs - Distrib (B)	8,941	53,302	10,030	4,327	112,966	102,201	7,980	67,999	13,276	3,624	12,837	2,006	399,489
	Jurisdictional Demand Recoverable Costs - Prod-Base (B)	1,102,217	1,613,085	2,612,894	1,327,672	1,321,587	859,747	1,072,707	1,823,437	1,104,168	1,242,677	826,082	697,555	15,603,828
	Jurisdictional Demand Recoverable Costs - Prod-Intm (B)	2,452	(1,815)	14,296	(7,850)	8,378	3,944	24,272	(35,197)	86,407	(33,430)	12,422	19,724	93,603
	Jurisdictional Demand Recoverable Costs - Prod-Peaking (B)	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jurisdictional Demand Recoverable Costs - A&G (B)	4,555	5,447	7,512	4,921	4,860	6,147	8,060	7,994	5,127	3,068	4,629	2,675	64,995
9	Total Jurisdictional Recoverable Costs for O&M Activities (Lines 7 + 8)	$2,675,819	$3,123,560	$3,739,185	$2,310,113	$2,642,622	$2,360,504	$2,300,884	$3,671,409	$2,862,792	$2,943,373	$2,108,252	$2,099,296	$32,837,809

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 2018 - December 2018

Form 42-6A

Docket No. 20190007-EI
Duke Energy Florida
Witness: C. A. Menendez
Exh. No. __ (CAM-1)

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	$658,081	$658,083	($2)	0%
	4.x	Above Ground Tank Secondary Containment	1,774,030	1,774,030	0	0%
	5	SO2/NOx Emissions Allowances	269,478	269,466	12	0%
	6	Phase II Cooling Water Intake 316(b)	88,833	86,505	2,328	3%
	7.x	CAIR/CAMR	5,167,211	5,191,433	(24,222)	0%
	9	Sea Turtle - Coastal Street Lighting	1,100	1,123	(23)	-2%
	10.x	Underground Storage Tanks	22,459	22,459	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)	19,459	36,219	(16,760)	-46%
	16	National Pollutant Discharge Elimination System (NPDES)	1,491,493	1,491,493	0	0%
	17x	Mercury & Air Toxics Standards (MATS)	16,614,482	16,624,582	(10,100)	0%
	18	Coal Combustion Residual (CCR) Rule	43,400	36,576	6,824	19%
2	Total Capital Investment Activities - Recoverable Costs		$26,150,026	$26,191,969	($41,943)	0%
3	Recoverable Costs Allocated to Energy		16,985,229	16,990,268	($5,039)	0%
4	Recoverable Costs Allocated to Demand		$9,164,797	$9,201,701	($36,904)	0%

Notes:

Column (1) End of Period Totals on Form 42-7A
Column (2) 2018 Actual/Estimated Filing (7/25/2018)
Column (3) = Column (1) - Column (2)
Column (4) = Column (3) / Column (2)

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
Final True-Up
January 2018 - December 2018

Capital Investment Projects-Recoverable Costs
(in Dollars)

Line	Description	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	End of Period Total
1	Description of Investment Projects (A)													
3.1	Pipeline Integrity Management - Bartow/Anclote Pipeline - Intermediate	$56,770	$56,424	$56,078	$55,732	$55,386	$55,038	54,629	$54,288	$53,946	$53,604	$53,263	$52,921	$658,081
4.1	Above Ground Tank Secondary Containment - Peaking	128,806	128,298	127,783	127,276	126,763	126,251	125,148	124,643	124,139	123,635	123,131	122,628	1,508,501
4.2	Above Ground Tank Secondary Containment - Base	20,150	20,130	20,108	20,087	20,067	20,046	19,800	19,779	19,758	19,739	19,717	19,696	239,077
4.3	Above Ground Tank Secondary Containment - Intermediate	2,234	2,230	2,227	2,224	2,220	2,216	2,192	2,189	2,185	2,181	2,179	2,175	26,452
5	SO2/NOX Emissions Allowances - Energy	22,816	22,795	22,766	22,696	22,630	22,612	22,277	22,238	22,205	22,174	22,145	22,124	269,478
6	Phase II Cooling Water Intake 316(b) - Base	4,876	5,168	5,845	7,476	8,274	6,608	6,689	8,379	8,644	8,939	8,979	8,956	88,833
7.1	CAIR/CAMR Anclote- Intermediate	0	0	0	0	0	0	0	0	0	0	0	0	0
7.2	CAIR/CAMR - Peaking	17,980	17,934	17,889	17,843	17,796	17,750	17,574	17,529	17,483	17,438	17,392	17,347	211,953
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	254,639	276,837	310,523	343,882	364,137	386,412	410,297	445,721	479,741	503,968	527,702	550,130	4,853,989
7.4	CAIR/CAMR Crystal River AFUDC - Energy	8,239	8,552	8,191	7,524	7,798	8,533	8,547	8,589	8,357	8,502	9,140	9,297	101,269
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	93	93	92	92	92	92	91	91	91	91	91	91	1,100
10.1	Underground Storage Tanks - Base	1,291	1,290	1,287	1,286	1,283	1,282	1,268	1,266	1,264	1,262	1,260	1,258	15,297
10.2	Underground Storage Tanks - Intermediate	607	605	604	603	601	600	594	592	591	590	588	587	7,162
11	Modular Cooling Towers - Base	0	0	0	0	0	0	0	0	0	0	0	0	0
15.1	Effluent Limitation Guidelines CRN (RLG) - Base	1,570	1,572	1,574	1,576	1,585	1,586	1,554	1,551	1,546	1,546	1,549	2,250	19,459
16	National Pollutant Discharge Elimination System (NPDES) - Intermediate	126,174	125,927	125,680	125,433	125,186	124,938	123,635	123,391	123,148	122,904	122,661	122,416	1,491,493
17	Mercury & Air Toxic Standards (MATS) CR4 & CR5 - Energy	30,736	30,690	30,645	30,599	30,554	30,508	30,140	30,095	30,050	30,005	29,959	29,915	363,900
17.1	Mercury & Air Toxic Standards (MATS) Anclote Gas Conversion - Energy	1,168,209	1,166,531	1,164,852	1,163,174	1,161,495	1,159,816	1,146,871	1,145,215	1,143,559	1,141,903	1,140,247	1,138,591	13,840,457
17.2	Mercury & Air Toxic Standards (MATS) CR1 & CR2 - Energy	204,411	203,923	203,438	202,955	202,471	201,986	199,688	199,211	198,733	198,255	197,778	197,271	2,410,125
18	Coal Combustion Residual (CCR) Rule - Demand	3,346	3,342	3,337	3,332	3,328	3,322	3,675	4,060	4,064	3,896	3,851	3,847	43,400
2	Total Investment Projects - Recoverable Costs	$2,052,947	$2,072,341	$2,102,919	$2,133,790	$2,151,666	$2,169,596	$2,174,669	$2,208,827	$2,239,504	$2,260,632	$2,281,632	$2,301,500	$26,150,026
3	Recoverable Costs Allocated to Energy	1,434,411	1,432,491	1,429,892	1,426,948	1,424,948	1,423,455	1,407,523	1,405,348	1,402,904	1,400,839	1,399,269	1,397,198	16,985,229
	Recoverable Costs Allocated to Distribution Demand	93	93	92	92	92	92	91	91	91	91	91	91	1,100
4	Recoverable Costs Allocated to Demand - Production - Base	285,872	308,339	342,674	377,639	398,674	419,256	443,283	480,756	515,017	539,350	563,058	586,137	5,260,055
	Recoverable Costs Allocated to Demand - Production - Intermediate	185,785	185,186	184,589	183,992	183,393	182,792	181,050	180,460	179,870	179,279	178,691	178,099	2,183,188
	Recoverable Costs Allocated to Demand - Production - Peaking	146,786	146,232	145,672	145,119	144,559	144,001	142,722	142,172	141,622	141,073	140,523	139,975	1,720,454
5	Retail Energy Jurisdictional Factor	0.95280	0.95010	0.94890	0.95290	0.93750	0.93350	0.94470	0.94230	0.94180	0.94620	0.95330	0.95270	
	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 (B)	1,366,707	1,361,010	1,356,825	1,359,739	1,335,889	1,328,795	1,329,687	1,324,260	1,321,255	1,325,474	1,333,923	1,331,111	16,074,676
	Jurisdictional Demand Recoverable Costs - Distribution (B)	93	93	92	92	92	92	91	91	91	91	91	91	1,095
8	Jurisdictional Demand Recoverable Costs - Production - Base (C)	265,532	286,401	318,293	350,770	370,308	389,426	411,743	446,550	478,374	500,975	522,996	544,433	4,885,802
	Jurisdictional Demand Recoverable Costs - Production - Intermediate (C)	135,071	134,636	134,202	133,768	133,332	132,895	131,629	131,200	130,771	130,341	129,914	129,483	1,587,243
	Jurisdictional Demand Recoverable Costs - Production - Peaking (C)	140,803	140,271	139,734	139,204	138,667	138,131	136,904	136,377	135,849	135,323	134,795	134,269	1,650,328
9	Total Jurisdictional Recoverable Costs for Investment Projects (Lines 7 + 8)	$1,908,206	$1,922,411	$1,949,145	$1,983,572	$1,978,288	$1,989,340	$2,010,055	$2,038,477	$2,066,340	$2,092,204	$2,121,719	$2,139,388	$24,199,144

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) Line 3 x Line 5
(C) Line 4 x Line 6

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
Final True-Up
January 2018 - December 2018

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-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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	
3a	Regulatory Asset Balance (G)			1,000,345	950,328	900,311	850,294	800,277	750,260	700,243	650,226	600,209	550,193	500,176	450,159	400,142	
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)			$1,000,345	$950,328	$900,311	$850,294	$800,277	$750,260	$700,244	$650,227	$600,210	$550,193	$500,176	$450,159	$400,142	
6	Average Net Investment				$975,336	$925,319	$875,302	$825,286	$775,269	$725,252	$675,235	$625,218	$575,201	$525,184	$475,167	$425,151	
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.02%	1.97%		1,640	1,556	1,472	1,388	1,304	1,219	1,107	1,025	943	861	779	697	13,991
	b. Equity Component Grossed Up For Taxes	6.29%	6.23%		5,113	4,851	4,589	4,327	4,065	3,802	3,505	3,246	2,986	2,726	2,467	2,207	43,884
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation (C)				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Amortization (G)				50,017	50,017	50,017	50,017	50,017	50,017	50,017	50,017	50,017	50,017	50,017	50,017	600,206
	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	0	0	0	0	0	0	0	0	0	0	0	0
	e. Other (A)				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$56,770	$56,424	$56,078	$55,732	$55,386	$55,038	$54,629	$54,288	$53,946	$53,604	$53,263	$52,921	658,081
	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				$56,770	$56,424	$56,078	$55,732	$55,386	$55,038	$54,629	$54,288	$53,946	$53,604	$53,263	$52,921	658,081
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)				41,274	41,022	40,771	40,519	40,267	40,014	39,717	39,469	39,220	38,972	38,724	38,475	478,445
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)				$41,274	$41,022	$40,771	$40,519	$40,267	$40,014	$39,717	$39,469	$39,220	$38,972	$38,724	$38,475	$478,445

Notes:
(A) N/A
(B) Jan - Jun 2018 Line 6 x 8.31% x 1/12. Jul - Dec 2018 Line 6 x 8.20% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% (Jan-Jun) and 4.65 (Jul-Dec), and statutory income tax rate of 25.345% (inc tax multiplier = 1.339495).
See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-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-2010-0131-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 2017 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 as approved in Order No. PSC-2016-0535-FOF-EI. Project 3.1a amortized over 26 months as approved in Order No. PSC-2018-0014-FOF-EI.

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
Final True-Up
January 2018 - December 2018

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-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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			$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	$9,235,204	$9,235,204	$9,235,204	
3	Less: Accumulated Depreciation			(3,073,848)	(3,101,915)	(3,129,983)	(3,158,051)	(3,186,120)	(3,214,188)	(3,242,253)	(3,270,321)	(3,298,389)	(3,326,456)	(3,354,524)	(3,382,592)	(3,410,659)	
3a	Regulatory Asset Balance (G)			685,616	639,909	594,202	548,495	502,788	457,081	411,374	365,667	319,960	274,253	228,546	182,839	137,132	
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)			$6,846,972	$6,773,198	$6,699,423	$6,625,648	$6,551,872	$6,478,098	$6,404,325	$6,330,550	$6,256,775	$6,183,001	$6,109,226	$6,035,451	$5,961,677	
6	Average Net Investment				$6,810,085	$6,736,311	$6,662,535	$6,588,760	$6,514,985	$6,441,211	$6,367,438	$6,293,663	$6,219,888	$6,146,113	$6,072,339	$5,998,564	
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.02%	1.97%		11,449	11,328	11,202	11,079	10,954	10,829	10,441	10,320	10,200	10,078	9,957	9,836	127,673
	b. Equity Component Grossed Up For Taxes	6.29%	6.23%		35,705	35,318	34,929	34,545	34,157	33,770	33,055	32,671	32,287	31,905	31,522	31,140	401,004
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation (C)				28,069	28,069	28,069	28,069	28,069	28,069	28,069	28,069	28,069	28,069	28,069	28,069	336,828
	b. Amortization (G)				45,707	45,707	45,707	45,707	45,707	45,707	45,707	45,707	45,707	45,707	45,707	45,707	548,484
	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)				7,876	7,876	7,876	7,876	7,876	7,876	7,876	7,876	7,876	7,876	7,876	7,876	94,512
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$128,806	$128,298	$127,783	$127,276	$126,763	$126,251	$125,148	$124,643	$124,139	$123,635	$123,131	$122,628	1,508,501
	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				$128,806	$128,298	$127,783	$127,276	$126,763	$126,251	$125,148	$124,643	$124,139	$123,635	$123,131	$122,628	1,508,501
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)				123,556	123,069	122,575	122,088	121,596	121,105	120,047	119,563	119,079	118,596	118,112	117,630	1,447,014
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)				$123,556	$123,069	$122,575	$122,088	$121,596	$121,105	$120,047	$119,563	$119,079	$118,596	$118,112	$117,630	$1,447,014

Notes:
(A) N/A
(B) Jan - Jun 2018 Line 6 x 8.31% x 1/12. Jul - Dec 2018 Line 6 x 8.20% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% (Jan-Jun) and 4.65 (Jul-Dec), and statutory income tax rate of 25.345% (inc tax multiplier = 1.339495).
See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-EI.
(C) Depreciation calculated in Above Ground Tank Secondary Containment 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 approved rates in Order PSC-2010-0131-FOF-EI.
(D) Property tax calculated in Above Ground Tank Secondary Containment 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 2017 Effective Tax Rate on original cost.
(E) Line 9a x Line 10
(F) Line 9b x Line 11
(G) Project 4.1a amortized over three years as approved in Order No. PSC-2016-0535-FOF-EI.

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
Final True-Up
January 2018 - December 2018

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

Line	Description	Jan-Jun	Jul-Dec	Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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			27,233	24,201	21,169	18,137	15,105	12,073	9,041	6,009	2,977	(55)	(3,087)	(6,119)	(9,151)	
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)			$2,426,272	$2,423,240	$2,420,208	$2,417,176	$2,414,144	$2,411,112	$2,408,080	$2,405,048	$2,402,016	$2,398,984	$2,395,952	$2,392,920	$2,389,888	
6	Average Net Investment				$2,424,756	$2,421,724	$2,418,692	$2,415,660	$2,412,628	$2,409,596	$2,406,564	$2,403,532	$2,400,500	$2,397,468	$2,394,436	$2,391,404	
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.02%	1.97%		4,077	4,072	4,066	4,062	4,057	4,052	3,946	3,941	3,936	3,932	3,926	3,921	47,988
	b. Equity Component Grossed Up For Taxes	6.29%	6.23%		12,712	12,697	12,681	12,664	12,649	12,633	12,493	12,477	12,461	12,446	12,430	12,414	150,757
	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)				$20,150	$20,130	$20,108	$20,087	$20,067	$20,046	$19,800	$19,779	$19,758	$19,739	$19,717	$19,696	239,077
	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				$20,150	$20,130	$20,108	$20,087	$20,067	$20,046	$19,800	$19,779	$19,758	$19,739	$19,717	$19,696	239,077
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)				18,716	18,698	18,677	18,658	18,639	18,620	18,391	18,372	18,352	18,335	18,314	18,295	222,067
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)				$18,716	$18,698	$18,677	$18,658	$18,639	$18,620	$18,391	$18,372	$18,352	$18,335	$18,314	$18,295	$222,067

Notes:
(A) N/A
(B) Jan - Jun 2018 Line 6 x 8.31% x 1/12. Jul - Dec 2018 Line 6 x 8.20% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% (Jan-Jun) and 4.65 (Jul-Dec), and statutory income tax rate of 25.345% (inc tax multiplier = 1.339495).
See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-EI.
(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-2010-0131-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 2017 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 2018 - December 2018

Return on Capital Investments, Depreciation and Taxes
For Project: ABOVE GROUND TANK SECONDARY CONTAINMENT - Intermediate (Project 4.3)
(in Dollars)

Line	Description	Jan-Jun	Jul-Dec	Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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			(72,786)	(73,311)	(73,836)	(74,361)	(74,886)	(75,411)	(75,936)	(76,461)	(76,986)	(77,511)	(78,036)	(78,561)	(79,086)	
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)			$217,512	$216,986	$216,461	$215,936	$215,411	$214,886	$214,361	$213,836	$213,311	$212,786	$212,261	$211,736	$211,211	
6	Average Net Investment				$217,249	$216,724	$216,199	$215,674	$215,149	$214,624	$214,099	$213,574	$213,049	$212,524	$211,999	$211,474	
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.02%	1.97%		365	364	364	363	362	361	351	350	349	348	348	347	4,272
	b. Equity Component Grossed Up For Taxes	6.29%	6.23%		1,139	1,136	1,133	1,131	1,128	1,125	1,111	1,109	1,106	1,103	1,101	1,098	13,420
	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)				$2,234	$2,230	$2,227	$2,224	$2,220	$2,216	$2,192	$2,189	$2,185	$2,181	$2,179	$2,175	26,452
	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				$2,234	$2,230	$2,227	$2,224	$2,220	$2,216	$2,192	$2,189	$2,185	$2,181	$2,179	$2,175	26,452
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)				1,624	1,621	1,619	1,617	1,614	1,611	1,594	1,591	1,589	1,586	1,584	1,581	19,231
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)				$1,624	$1,621	$1,619	$1,617	$1,614	$1,611	$1,594	$1,591	$1,589	$1,586	$1,584	$1,581	$19,231

Notes:
(A) N/A
(B) Jan - Jun 2018 Line 6 x 8.31% x 1/12. Jul - Dec 2018 Line 6 x 8.20% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% (Jan-Jun) and 4.65 (Jul-Dec), and statutory income tax rate of 25.345% (inc tax multiplier = 1.339495). See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-EI.
(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-2010-0131-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 2017 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 2018 - December 2018

Docket No. 20190007-EI
Duke Energy Florida
Witness: C. A. Menendez
Exh. No. __ (CAM-1)

SO2 and NOx EMISSIONS ALLOWANCES - Energy (Project 5)
(in Dollars)

Line	Description			Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	End of Period Total
1	Working Capital Dr (Cr)																
	a. 0158150 SO2 Emission Allowance Inventory			$3,296,898	$3,294,754	$3,290,670	$3,286,482	$3,270,255	$3,267,330	$3,264,702	$3,257,884	$3,252,672	$3,248,082	$3,243,705	$3,239,464	$3,237,649	$3,237,649
	b. 0254020 Auctioned SO2 Allowance			(610)	(586)	(562)	(538)	(514)	(447)	(414)	304	304	304	304	304	304	$304
	c. 0158170 NOx Emission Allowance Inventory			0	0	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	0	0
2	Total Working Capital			$3,296,289	$3,294,168	$3,290,108	$3,285,944	$3,269,741	$3,266,884	$3,264,288	$3,258,188	$3,252,975	$3,248,385	$3,244,009	$3,239,768	$3,237,953	$3,237,953
3	Average Net Investment				$3,295,228	$3,292,138	$3,288,026	$3,277,842	$3,268,313	$3,265,586	$3,261,238	$3,255,582	$3,250,680	$3,246,197	$3,241,888	$3,238,860	
4	Return on Average Net Working Capital Balance (B)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.02%	1.97%		5,541	5,536	5,529	5,512	5,496	5,492	5,348	5,338	5,330	5,323	5,316	5,311	65,072
	b. Equity Component Grossed Up For Taxes	6.29%	6.23%		17,275	17,259	17,237	17,184	17,134	17,120	16,929	16,900	16,875	16,851	16,829	16,813	204,406
5	Total Return Component (C)				$22,816	$22,795	$22,766	$22,696	$22,630	$22,612	$22,277	$22,238	$22,205	$22,174	$22,145	$22,124	269,478
6	Expense Dr (Cr)																
	a. 0509030 SO_2 Allowance Expense				$2,144	$4,084	$4,189	$16,226	$2,925	$2,629	$6,818	$5,213	$4,590	$4,376	$4,241	$1,815	$59,249
	b. 0407426 Amortization Expense				($24)	($24)	($24)	($24)	($67)	($33)	($717)	$0	$0	$0	$0	$0	(914)
	c. 0509212 NOx Allowance Expense				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0
	d. Other (G)				$0	$0	$0	$0	($19,800)	$0	$0	$0	$0	$0	$0	$0	(19,800)
7	Net Expense (D)				2,120	4,060	4,165	16,202	(16,942)	2,596	6,100	5,213	4,590	4,376	4,241	1,815	38,535
8	Total System Recoverable Expenses (Lines 5 + 7 + 8)				$24,936	$26,855	$26,931	$38,898	$5,688	$25,208	$28,377	$27,451	$26,795	$26,550	$26,386	$23,939	308,013
	a. Recoverable Costs Allocated to Energy				24,936	26,855	26,931	38,898	5,688	25,208	28,377	27,451	26,795	26,550	26,386	23,939	308,013
	b. Recoverable Costs Allocated to Demand				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0
9	Energy Jurisdictional Factor				0.95280	0.95010	0.94890	0.95290	0.93750	0.93350	0.94470	0.94230	0.94180	0.94620	0.95330	0.95270	
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 (E)				$23,759	$25,515	$25,555	$37,066	$5,332	$23,532	$26,808	$25,867	$25,236	$25,122	$25,154	$22,807	291,750
12	Retail Demand-Related Recoverable Costs (F)				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0
13	Total Jurisdictional Recoverable Costs (Lines 12 + 13)				$23,759	$25,515	$25,555	$37,066	$5,332	$23,532	$26,808	$25,867	$25,236	$25,122	$25,154	$22,807	$291,750

Notes:
(A) N/A
(B) Jan - Jun 2018 Line 6 x 8.31% x 1/12. Jul - Dec 2018 Line 6 x 8.20% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% (Jan-Jun) and 4.65 (Jul-Dec), and statutory income tax rate of 25.345% (inc tax multiplier = 1.339495).
See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-EI.
(C) Line 5 is reported on Capital Schedule
(D) Line 7 is reported on O&M Schedule
(E) Line 8a x Line 9
(F) Line 8b x Line 10
(G) There was a Seasonal NOX credit in May 2018 of $19,800. This was the result of sales of allowances that were allocated to DEF by the EPA at zero cost.

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
Final True-Up
January 2018 - December 2018

Return on Capital Investments, Depreciation and Taxes
For Project: Phase II Cooling Water Intake 316(b) - Base (Project 6)
(in Dollars)

Line	Description			Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	End of Period Total
1	Investments																
	a. Expenditures/Additions				$81,980	$2,210	$193,266	$277,856	($47,238)	($434,111)	$483,957	$10,920	$66,388	$19,985	($8,035)	$1,039	$648,217
	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			663,307	745,287	747,497	940,763	1,218,619	1,171,381	737,270	1,221,227	1,232,147	1,298,535	1,318,520	1,310,486	1,311,525	
5	Net Investment (Lines 2 + 3 + 4)			$663,307	$745,287	$747,497	$940,763	$1,218,619	$1,171,381	$737,270	$1,221,227	$1,232,147	$1,298,535	$1,318,520	$1,310,486	$1,311,525	
6	Average Net Investment				$704,297	$746,392	$844,130	$1,079,691	$1,195,000	$954,326	$979,249	$1,226,687	$1,265,341	$1,308,528	$1,314,503	$1,311,005	
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.02%	1.97%		1,184	1,255	1,419	1,815	2,009	1,605	1,606	2,011	2,075	2,146	2,155	2,150	21,430
	b. Equity Component Grossed Up For Taxes	6.29%	6.23%		3,692	3,913	4,426	5,661	6,265	5,003	5,083	6,368	6,569	6,793	6,824	6,806	67,403
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation (C) 1.4860%				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) 0.001703				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)				$4,876	$5,168	$5,845	$7,476	$8,274	$6,608	$6,689	$8,379	$8,644	$8,939	$8,979	$8,956	88,833
	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				$4,876	$5,168	$5,845	$7,476	$8,274	$6,608	$6,689	$8,379	$8,644	$8,939	$8,979	$8,956	88,833
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)				4,529	4,800	5,429	6,944	7,685	6,138	6,213	7,783	8,029	8,303	8,340	8,319	82,513
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)				$4,529	$4,800	$5,429	$6,944	$7,685	$6,138	$6,213	$7,783	$8,029	$8,303	$8,340	$8,319	$82,513

Notes:
(A) N/A
(B) Jan - Jun 2018 Line 6 x 8.31% x 1/12. Jul - Dec 2018 Line 6 x 8.20% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% (Jan-Jun) and 4.65 (Jul-Dec), and statutory income tax rate of 25.345% (inc tax multiplier = 1.339495).
See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-EI.
(C) Line 2 x rate x 1/12. Depreciation rate based on approved rates in Order PSC-2010-0131-FOF-EI.
(D) Line 2 x rate x 1/12. Based on 2017 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 2018 - December 2018

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

Line	Description	Jan-Jun	Jul-Dec	Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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			$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	$1,802,096	$1,802,096	$1,802,096	
3	Less: Accumulated Depreciation			(410,841)	(414,255)	(417,669)	(421,083)	(424,497)	(427,911)	(431,325)	(434,739)	(438,153)	(441,567)	(444,981)	(448,395)	(451,809)	
3a	Regulatory Asset Balance (G)			48,372	45,147	41,922	38,698	35,473	32,248	29,023	25,798	22,574	19,349	16,124	12,899	9,674	
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)			$1,439,627	$1,432,988	$1,426,349	$1,419,711	$1,413,072	$1,406,433	$1,399,794	$1,393,155	$1,386,517	$1,379,878	$1,373,239	$1,366,600	$1,359,961	
6	Average Net Investment				$1,436,308	$1,429,669	$1,423,030	$1,416,391	$1,409,752	$1,403,114	$1,396,475	$1,389,836	$1,383,197	$1,376,558	$1,369,920	$1,363,281	
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.02%	1.97%		2,415	2,404	2,393	2,382	2,370	2,359	2,290	2,279	2,268	2,257	2,246	2,235	27,898
	b. Equity Component Grossed Up For Taxes	6.29%	6.23%		7,530	7,495	7,461	7,426	7,391	7,356	7,249	7,215	7,180	7,146	7,111	7,077	87,637
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation (C) Varies				3,414	3,414	3,414	3,414	3,414	3,414	3,414	3,414	3,414	3,414	3,414	3,414	40,968
	b. Amortization (G)				3,225	3,225	3,225	3,225	3,225	3,225	3,225	3,225	3,225	3,225	3,225	3,225	38,698
	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				1,396	1,396	1,396	1,396	1,396	1,396	1,396	1,396	1,396	1,396	1,396	1,396	16,752
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$17,980	$17,934	$17,889	$17,843	$17,796	$17,750	$17,574	$17,529	$17,483	$17,438	$17,392	$17,347	211,953
	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				$17,980	$17,934	$17,889	$17,843	$17,796	$17,750	$17,574	$17,529	$17,483	$17,438	$17,392	$17,347	211,953
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)				17,247	17,203	17,160	17,116	17,070	17,026	16,857	16,814	16,770	16,727	16,683	16,640	203,313
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)				$17,247	$17,203	$17,160	$17,116	$17,070	$17,026	$16,857	$16,814	$16,770	$16,727	$16,683	$16,640	$203,313

Notes:
(A) N/A
(B) Jan - Jun 2018 Line 6 x 8.31% x 1/12. Jul - Dec 2018 Line 6 x 8.20% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% (Jan-Jun) and 4.65 (Jul-Dec), and statutory income tax rate of 25.345% (inc tax multiplier = 1.339495).
See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-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 approved rates in Order PSC-2010-0131-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 2017 Effective Tax Rate on original cost.
(E) Line 9a x Line 10
(F) Line 9b x Line 11
(G) Investment amortized over three years as approved in Order No. PSC-2016-0535-FOF-EI.

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
Final True-Up
January 2018 - December 2018

Docket No. 20190007-EI
Duke Energy Florida
Witness: C. A. Menendez
Exh. No. __ (CAM-1)

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-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	End of Period Total
1	Investments																
	a. Expenditures/Additions				$3,357,899	$3,068,868	$6,676,348	$2,974,452	$2,891,636	$3,556,825	$4,945,014	$5,441,852	$4,533,960	$2,574,719	$4,389,767	$2,191,660	$46,603,000
	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			($276,456)	(284,042)	(291,628)	(299,214)	(306,800)	(314,386)	(321,972)	(329,558)	(337,144)	(344,730)	(352,316)	(359,902)	(367,488)	
4	CWIP - AFUDC-Interest Bearing			30,270,290	33,628,190	36,697,058	43,373,406	46,347,858	49,239,494	52,796,318	57,741,332	63,183,184	67,717,144	70,291,863	74,681,630	76,873,290	
5	Net Investment (Lines 2 + 3 + 4)			$33,923,847	$37,274,160	$40,335,443	$47,004,205	$49,971,070	$52,855,120	$56,404,359	$61,341,787	$66,776,053	$71,302,427	$73,869,560	$78,251,741	$80,435,815	
6	Average Net Investment				$35,604,938	$38,804,802	$43,669,824	$48,487,637	$51,413,095	$54,629,740	$58,873,073	$64,058,920	$69,039,240	$72,585,993	$76,060,650	$79,343,778	
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.02%	1.97%		59,857	65,247	73,427	81,528	86,446	91,856	96,537	105,041	113,207	119,022	124,720	130,104	1,146,992
	b. Equity Component Grossed Up For Taxes	6.29%	6.23%		186,638	203,446	228,952	254,210	269,547	286,412	305,616	332,536	358,390	376,802	394,838	411,882	3,609,269
	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	7,586	7,586	91,032
	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)				$254,639	$276,837	$310,523	$343,882	$364,137	$386,412	$410,297	$445,721	$479,741	$503,968	$527,702	$550,130	4,853,989
	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				$254,639	$276,837	$310,523	$343,882	$364,137	$386,412	$410,297	$445,721	$479,741	$503,968	$527,702	$550,130	4,853,989
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)				236,521	257,140	288,429	319,415	338,229	358,919	381,104	414,008	445,607	468,111	490,156	510,988	4,508,628
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)				$236,521	$257,140	$288,429	$319,415	$338,229	$358,919	$381,104	$414,008	$445,607	$468,111	$490,156	$510,988	$4,508,628

Notes:

(A) N/A
(B) Jan - Jun 2018 Line 6 x 8.31% x 1/12. Jul - Dec 2018 Line 6 x 8.20% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% (Jan-Jun) and 4.65 (Jul-Dec), and statutory income tax rate of 25.345% (inc tax multiplier = 1.339495).
See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-EI.
(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-2010-0131-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 2017 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 2018 - December 2018

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-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	End of Period Total
1	Working Capital Dr (Cr)																
	a. 0154401 Ammonia Inventory			$9,781	$192,137	$134,599	$59,285	$35,567	$95,990	$145,403	$97,620	$75,569	$48,453	$47,496	$43,783	$74,264	74,264
	b. 0154200 Limestone Inventory (F)			1,137,114	1,040,771	1,102,615	1,069,412	1,009,001	1,111,731	1,111,751	1,147,549	1,193,798	1,129,075	1,264,317	1,320,387	1,283,532	1,283,532
2	Total Working Capital			$1,146,895	1,232,908	1,237,214	1,128,697	1,044,568	1,207,721	1,257,154	1,245,168	1,269,367	1,177,528	1,311,812	1,364,170	1,357,797	1,357,797
3	Average Net Investment				1,189,902	1,235,061	1,182,956	1,086,632	1,126,144	1,232,437	1,251,161	1,257,268	1,223,447	1,244,670	1,337,991	1,360,983	
4	Return on Average Net Working Capital Balance (A)	Jan-Jun	Jul-Dec														
	a. Debt Component (F)	2.02%	1.97%		2,001	2,077	1,989	1,827	1,894	2,072	2,052	2,062	2,006	2,041	2,194	2,232	$24,447
	b. Equity Component Grossed Up For Taxes	6.29%	6.23%		6,238	6,475	6,202	5,697	5,904	6,461	6,495	6,527	6,351	6,461	6,946	7,065	76,822
5	Total Return Component (B)				8,239	8,552	8,191	7,524	7,798	8,533	8,547	8,589	8,357	8,502	9,140	9,297	101,269
6	Expense Dr (Cr)																
	a. 502030 Ammonia Expense				300,866	345,474	382,972	236,235	263,893	258,209	339,829	459,557	408,830	481,369	349,034	321,567	4,147,836
	b. 502040 Limestone Expense				650,787	517,063	341,025	306,665	422,624	555,987	409,620	649,428	565,109	612,337	391,008	405,168	5,826,821
	c. 502050 Dibasic Acid Expense				0	0	24,387	0	0	0	0	0	0	0	0	0	24,387
	d. 502070 Gypsum Disposal/Sale				214,439	208,716	90,248	102,248	185,879	201,449	143,764	217,836	208,155	233,329	153,058	144,744	2,103,866
	e. 502040 Hydrated Lime Expense				368,739	285,489	182,781	179,375	253,344	326,801	240,268	363,812	332,387	356,473	226,520	223,328	3,339,317
	f. 502300 Caustic Expense				10,248	24,228	(20,214)	(14,262)	0	0	0	0	6,193	52,738	3,142	11,853	73,927
7	Net Expense (C)				1,545,080	1,380,970	1,001,199	810,262	1,125,740	1,342,446	1,133,482	1,690,633	1,520,675	1,736,245	1,122,762	1,106,661	15,516,153
8	Total System Recoverable Expenses (Lines 5 + 7)				$1,553,319	$1,389,522	$1,009,390	$817,786	$1,133,538	$1,350,979	$1,142,029	$1,699,222	$1,529,032	$1,744,747	$1,131,902	$1,115,958	$15,617,422
	a. Recoverable Costs Allocated to Energy				1,553,319	1,389,522	1,009,390	817,786	1,133,538	1,350,979	1,142,029	1,699,222	1,529,032	1,744,747	1,131,902	1,115,958	$15,617,422
	b. Recoverable Costs Allocated to Demand				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	Energy Jurisdictional Factor				0.95280	0.95010	0.94890	0.95290	0.93750	0.93350	0.94470	0.94230	0.94180	0.94620	0.95330	0.95270	
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)				$1,480,003	$1,320,185	$957,810	$779,268	$1,062,691	$1,261,139	$1,078,875	$1,601,177	$1,440,042	$1,650,880	$1,079,042	$1,063,173	$14,774,283
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)				$1,480,003	$1,320,185	$957,810	$779,268	$1,062,691	$1,261,139	$1,078,875	$1,601,177	$1,440,042	$1,650,880	$1,079,042	$1,063,173	$14,774,283

Notes:
(A) Jan - Jun 2018 Line 6 x 8.31% x 1/12. Jul - Dec 2018 Line 6 x 8.20% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% (Jan-Jun) and 4.65 (Jul-Dec), and statutory income tax rate of 25.345% (inc tax multiplier = 1.339495).
See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-EI.
(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

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause
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Docket No. 20190007-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: SEA TURTLE - COASTAL STREET LIGHTING - (Project 9)
(in Dollars)

Line	Description			Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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			($3,350)	(3,379)	(3,408)	(3,437)	(3,466)	(3,495)	(3,524)	(3,553)	(3,582)	(3,611)	(3,640)	(3,669)	(3,698)	
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)			$7,974	$7,945	$7,916	$7,887	$7,858	$7,829	$7,800	$7,771	$7,742	$7,713	$7,684	$7,655	$7,626	
6	Average Net Investment				$7,960	$7,931	$7,902	$7,873	$7,844	$7,815	$7,786	$7,757	$7,728	$7,699	$7,670	$7,641	
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.02%	1.97%		13	13	13	13	13	13	13	13	13	13	13	13	156
	b. Equity Component Grossed Up For Taxes	6.29%	6.23%		42	42	41	41	41	41	40	40	40	40	40	40	488
	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)				$93	$93	$92	$92	$92	$92	$91	$91	$91	$91	$91	$91	1,100
	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				$93	$93	$92	$92	$92	$92	$91	$91	$91	$91	$91	$91	1,100
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)				93	93	92	92	92	92	91	91	91	91	91	91	1,095
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)				$93	$93	$92	$92	$92	$92	$91	$91	$91	$91	$91	$91	$1,095

Notes:
(A) N/A
(B) Jan - Jun 2018 Line 6 x 8.31% x 1/12. Jul - Dec 2018 Line 6 x 8.20% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% (Jan-Jun) and 4.65 (Jul-Dec), and statutory income tax rate of 25.345% (inc tax multiplier = 1.339495).
See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-EI.
(C) Line 2 x rate x 1/12. Depreciation Rate based on approved rates in Order PSC-2010-0131-FOF-EI.
(D) Line 2 x rate x 1/12. Based on 2017 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
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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-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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			(42,448)	(42,744)	(43,040)	(43,336)	(43,632)	(43,928)	(44,224)	(44,520)	(44,816)	(45,112)	(45,408)	(45,704)	(46,000)	
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)			$126,493	$126,197	$125,901	$125,605	$125,309	$125,013	$124,717	$124,421	$124,125	$123,829	$123,533	$123,237	$122,941	
6	Average Net Investment				$126,345	$126,049	$125,753	$125,457	$125,161	$124,865	$124,569	$124,273	$123,977	$123,681	$123,385	$123,089	
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.02%	1.97%		212	212	211	211	210	210	204	204	203	203	202	202	2,484
	b. Equity Component Grossed Up For Taxes	6.29%	6.23%		662	661	659	658	656	655	647	645	644	642	641	639	7,809
	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)				$1,291	$1,290	$1,287	$1,286	$1,283	$1,282	$1,268	$1,266	$1,264	$1,262	$1,260	$1,258	15,297
	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				$1,291	$1,290	$1,287	$1,286	$1,283	$1,282	$1,268	$1,266	$1,264	$1,262	$1,260	$1,258	15,297
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)				1,199	1,198	1,195	1,195	1,192	1,191	1,178	1,176	1,174	1,172	1,170	1,168	14,209
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)				$1,199	$1,198	$1,195	$1,195	$1,192	$1,191	$1,178	$1,176	$1,174	$1,172	$1,170	$1,168	$14,209

Notes:
(A) N/A
(B) Jan - Jun 2018 Line 6 x 8.31% x 1/12. Jul - Dec 2018 Line 6 x 8.20% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% (Jan-Jun) and 4.65 (Jul-Dec), and statutory income tax rate of 25.345% (inc tax multiplier = 1.339495).
See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-EI.
(C) Line 2 x rate x 1/12. Depreciation rate based on approved rates in Order PSC-2010-0131-FOF-EI.
(D) Line 2 x rate x 1/12. Based on 2017 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 - Intermediate (10.2)
(in Dollars)

Line	Description			Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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			($26,657)	(26,860)	(27,063)	(27,266)	(27,469)	(27,672)	(27,875)	(28,078)	(28,281)	(28,484)	(28,687)	(28,890)	(29,093)	
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)			$49,349	$49,146	$48,943	$48,740	$48,537	$48,334	$48,131	$47,928	$47,725	$47,522	$47,319	$47,116	$46,913	
6	Average Net Investment				$49,248	$49,045	$48,842	$48,639	$48,436	$48,233	$48,030	$47,827	$47,624	$47,421	$47,218	$47,015	
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.02%	1.97%		83	82	82	82	81	81	79	78	78	78	77	77	958
	b. Equity Component Grossed Up For Taxes	6.29%	6.23%		258	257	256	255	254	253	249	248	247	246	245	244	3,012
	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)				$607	$605	$604	$603	$601	$600	$594	$592	$591	$590	$588	$587	7,162
	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				$607	$605	$604	$603	$601	$600	$594	$592	$591	$590	$588	$587	7,162
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)				441	440	439	438	437	436	432	430	430	429	427	427	5,207
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)				$441	$440	$439	$438	$437	$436	$432	$430	$430	$429	$427	$427	$5,207

Notes:
(A) N/A
(B) Jan - Jun 2018 Line 6 x 8.31% x 1/12. Jul - Dec 2018 Line 6 x 8.20% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% (Jan-Jun) and 4.65 (Jul-Dec), and statutory income tax rate of 25.345% (inc tax multiplier = 1.339495). See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-EI.
(C) Line 2 x rate x 1/12. Depreciation Rate based on approved rates in Order PSC-2010-0131-FOF-EI.
(D) Line 2 x rate x 1/12. Based on 2017 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: Effluent Limitation Guidelines CRN - Base (Project 15.1)
(in Dollars)

Line	Description		Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	End of Period Total
1	Investments															
	a. Expenditures/Additions			$0	$394	$386	$0	$2,633	($2,041)	($1,336)	$528	($1,815)	$1,806	($1,157)	$206,397	$205,796
	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		226,768	226,768	227,162	227,548	227,548	230,181	228,140	226,804	227,332	225,517	227,323	226,166	432,564	
5	Net Investment (Lines 2 + 3 + 4)		$226,768	$226,768	$227,162	$227,548	$227,548	$230,181	$228,140	$226,804	$227,332	$225,517	$227,323	$226,166	$432,564	
6	Average Net Investment			$226,768	$226,965	$227,355	$227,548	$228,864	$229,160	$227,472	$227,068	$226,425	$226,420	$226,745	$329,365	
7	Return on Average Net Investment (B)	Jan-Jun Jul-Dec														
	a. Debt Component	2.02% 1.97%		381	382	382	383	385	385	373	372	371	371	372	540	4,697
	b. Equity Component Grossed Up For Taxes	6.29% 6.23%		1,189	1,190	1,192	1,193	1,200	1,201	1,181	1,179	1,175	1,175	1,177	1,710	14,762
	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)			$1,570	$1,572	$1,574	$1,576	$1,585	$1,586	$1,554	$1,551	$1,546	$1,546	$1,549	$2,250	19,459
	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			$1,570	$1,572	$1,574	$1,576	$1,585	$1,586	$1,554	$1,551	$1,546	$1,546	$1,549	$2,250	19,459
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)			1,458	1,460	1,462	1,464	1,472	1,473	1,443	1,441	1,436	1,436	1,439	2,090	18,074
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)			$1,458	$1,460	$1,462	$1,464	$1,472	$1,473	$1,443	$1,441	$1,436	$1,436	$1,439	$2,090	$18,074

Notes:
(A) N/A
(B) Jan - Jun 2018 Line 6 x 8.31% x 1/12. Jul - Dec 2018 Line 6 x 8.20% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% (Jan-Jun) and 4.65 (Jul-Dec), and statutory income tax rate of 25.345% (inc tax multiplier = 1.339495).
See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-EI.
(C) Line 2 x rate x 1/12. Depreciation rate based on approved rates in Order PSC-2010-0131-FOF-EI.
(D) Line 2 x rate x 1/12. Based on 2017 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 2018 - December 2018

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

Line	Description	Jan-Jun	Jul-Dec	Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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			($1,288,446)	(1,324,118)	(1,359,790)	(1,395,462)	(1,431,134)	(1,466,806)	(1,502,478)	(1,538,150)	(1,573,822)	(1,609,494)	(1,645,166)	(1,680,838)	(1,716,510)	
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)			$11,553,424	$11,517,752	$11,482,080	$11,446,408	$11,410,736	$11,375,064	$11,339,392	$11,303,720	$11,268,048	$11,232,376	$11,196,704	$11,161,032	$11,125,360	
6	Average Net Investment				$11,535,588	$11,499,916	$11,464,244	$11,428,572	$11,392,900	$11,357,228	$11,321,556	$11,285,884	$11,250,212	$11,214,540	$11,178,868	$11,143,196	
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.02%	1.97%		19,396	19,336	19,276	19,216	19,156	19,096	18,565	18,506	18,448	18,389	18,331	18,272	225,987
	b. Equity Component Grossed Up For Taxes	6.29%	6.23%		60,479	60,292	60,105	59,918	59,731	59,543	58,771	58,586	58,401	58,216	58,031	57,845	709,918
	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	35,672	35,672	428,064
	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)				$126,174	$125,927	$125,680	$125,433	$125,186	$124,938	$123,635	$123,391	$123,148	$122,904	$122,661	$122,416	1,491,493
	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				$126,174	$125,927	$125,680	$125,433	$125,186	$124,938	$123,635	$123,391	$123,148	$122,904	$122,661	$122,416	1,491,493
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)				91,732	91,553	91,373	91,194	91,014	90,834	89,886	89,709	89,532	89,355	89,178	89,000	1,084,360
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)				$91,732	$91,553	$91,373	$91,194	$91,014	$90,834	$89,886	$89,709	$89,532	$89,355	$89,178	$89,000	$1,084,360

Notes:
(A) N/A
(B) Jan - Jun 2018 Line 6 x 8.31% x 1/12. Jul - Dec 2018 Line 6 x 8.20% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% (Jan-Jun) and 4.65 (Jul-Dec), and statutory income tax rate of 25.345% (inc tax multiplier = 1.339495).
See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-EI.
(C) Line 2 x rate x 1/12. Depreciation rate based on approved rates in Order PSC-2010-0131-FOF-EI.
(D) Line 2 x rate x 1/12. Based on 2017 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 2018 - December 2018

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-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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			$3,690,187	$3,690,187	$3,690,187	$3,690,187	$3,690,187	$3,690,187	$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			($187,997)	(194,579)	(201,161)	(207,743)	(214,325)	(220,907)	(227,489)	(234,071)	(240,653)	(247,235)	(253,817)	(260,399)	(266,981)	
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)			$3,502,190	$3,495,608	$3,489,026	$3,482,444	$3,475,862	$3,469,280	$3,462,698	$3,456,116	$3,449,534	$3,442,952	$3,436,370	$3,429,788	$3,423,206	
6	Average Net Investment				$3,498,899	$3,492,317	$3,485,735	$3,479,153	$3,472,571	$3,465,989	$3,459,407	$3,452,825	$3,446,243	$3,439,661	$3,433,079	$3,426,497	
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.02%	1.97%		5,883	5,872	5,861	5,850	5,839	5,828	5,673	5,662	5,651	5,640	5,629	5,619	69,007
	b. Equity Component Grossed Up For Taxes	6.29%	6.23%		18,344	18,309	18,275	18,240	18,206	18,171	17,958	17,924	17,890	17,856	17,821	17,787	216,781
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation (C) Blended				6,582	6,582	6,582	6,582	6,582	6,582	6,582	6,582	6,582	6,582	6,582	6,582	78,984
	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%				524	524	524	524	524	524	524	524	524	524	524	524	6,288
	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)				$30,736	$30,690	$30,645	$30,599	$30,554	$30,508	$30,140	$30,095	$30,050	$30,005	$29,959	$29,915	363,900
	a. Recoverable Costs Allocated to Energy				30,736	30,690	30,645	30,599	30,554	30,508	30,140	30,095	30,050	30,005	29,959	29,915	363,900
	b. Recoverable Costs Allocated to Demand				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0
10	Energy Jurisdictional Factor				0.95280	0.95010	0.94890	0.95290	0.93750	0.93350	0.94470	0.94230	0.94180	0.94620	0.95330	0.95270	
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)				$29,286	$29,159	$29,079	$29,158	$28,645	$28,480	$28,474	$28,359	$28,301	$28,391	$28,560	$28,500	344,392
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)				$29,286	$29,159	$29,079	$29,158	$28,645	$28,480	$28,474	$28,359	$28,301	$28,391	$28,560	$28,500	$344,392

Notes:
(A) N/A
(B) Jan - Jun 2018 Line 6 x 8.31% x 1/12. Jul - Dec 2018 Line 6 x 8.20% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% (Jan-Jun) and 4.65 (Jul-Dec), and statutory income tax rate of 25.345% (inc tax multiplier = 1.339495).
See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-EI.
(C) Line 2 x rate x 1/12. Depreciation rate based on approved rates in Order PSC-2010-0131-FOF-EI.
(D) Line 2 x rate x 1/12. Based on 2017 Effective Tax Rate on original cost.
(E) Decrease in depreciation expense related to retired rate base assets as approved in Docket No. 19990007-EI, Order No. PSC-1999-2513-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 2018 - December 2018

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-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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 - AFUDC (A)				0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base			$133,918,267	$133,918,267	$133,918,267	$133,918,267	$133,918,267	$133,918,267	$133,918,267	$133,918,267	$133,918,267	$133,918,267	$133,918,267	$133,918,267	$133,918,267	
3	Less: Accumulated Depreciation			($11,639,662)	(11,882,076)	(12,124,490)	(12,366,904)	(12,609,318)	(12,851,732)	(13,094,146)	(13,336,560)	(13,578,974)	(13,821,388)	(14,063,802)	(14,306,216)	(14,548,630)	
4	CWIP - AFUDC Bearing			($0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
5	Net Investment (Lines 2 + 3 + 4)			$122,278,605	$122,036,191	$121,793,777	$121,551,363	$121,308,949	$121,066,535	$120,824,121	$120,581,707	$120,339,293	$120,096,879	$119,854,465	$119,612,051	$119,369,637	
6	Average Net Investment				$122,157,398	$121,914,984	$121,672,570	$121,430,156	$121,187,742	$120,945,328	$120,702,914	$120,460,500	$120,218,086	$119,975,672	$119,733,258	$119,490,844	
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.02%	1.97%		205,397	204,990	204,582	204,175	203,767	203,359	197,923	197,525	197,128	196,730	196,333	195,935	2,407,844
	b. Equity Component Grossed Up For Taxes	6.29%	6.23%		640,445	639,174	637,903	636,632	635,361	634,090	626,581	625,323	624,064	622,806	621,547	620,289	7,564,215
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation (C) 2.1722%				242,414	242,414	242,414	242,414	242,414	242,414	242,414	242,414	242,414	242,414	242,414	242,414	2,908,968
	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%				94,747	94,747	94,747	94,747	94,747	94,747	94,747	94,747	94,747	94,747	94,747	94,747	1,136,964
	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)				$1,168,209	$1,166,531	$1,164,852	$1,163,174	$1,161,495	$1,159,816	$1,146,871	$1,145,215	$1,143,559	$1,141,903	$1,140,247	$1,138,591	13,840,457
	a. Recoverable Costs Allocated to Energy				1,168,209	1,166,531	1,164,852	1,163,174	1,161,495	1,159,816	1,146,871	1,145,215	1,143,559	1,141,903	1,140,247	1,138,591	13,840,457
	b. Recoverable Costs Allocated to Demand				$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0
10	Energy Jurisdictional Factor				0.95280	0.95010	0.94890	0.95290	0.93750	0.93350	0.94470	0.94230	0.94180	0.94620	0.95330	0.95270	
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)				$1,113,069	$1,108,321	$1,105,328	$1,108,388	$1,088,901	$1,082,688	$1,083,449	$1,079,136	$1,077,003	$1,080,468	$1,086,997	$1,084,735	13,098,482
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)				$1,113,069	$1,108,321	$1,105,328	$1,108,388	$1,088,901	$1,082,688	$1,083,449	$1,079,136	$1,077,003	$1,080,468	$1,086,997	$1,084,735	$13,098,482

Notes:
(A) N/A
(B) Jan - Jun 2018 Line 6 x 8.31% x 1/12. Jul - Dec 2018 Line 6 x 8.20% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% (Jan-Jun) and 4.65 (Jul-Dec), and statutory income tax rate of 25.345% (inc tax multiplier = 1.339495).
See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-EI.
(C) Line 2 x rate x 1/12. Depreciation rate based on approved rates in Order PSC-2010-0131-FOF-EI.
(D) Line 2 x rate x 1/12. Based on 2017 Effective Tax Rate on original cost.
(E) Decrease in depreciation expense related to retired rate base assets as approved in Docket No. 19990007-EI, Order No. PSC-1999-2513-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 2018 - December 2018

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-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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 - AFUDC (A)		0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base	$22,681,074	$22,681,074	$22,681,074	$22,681,074	$22,681,074	$22,681,074	$22,681,074	$22,681,074	$22,681,074	$22,681,074	$22,681,074	$22,681,074	$22,681,074	
3	Less: Accumulated Depreciation	($2,159,309)	(2,229,242)	(2,299,175)	(2,369,108)	(2,439,041)	(2,508,974)	(2,578,907)	(2,648,840)	(2,718,773)	(2,788,706)	(2,858,639)	(2,928,572)	(3,006,977)	
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)	$20,521,765	$20,451,832	$20,381,899	$20,311,966	$20,242,033	$20,172,100	$20,102,167	$20,032,234	$19,962,301	$19,892,368	$19,822,435	$19,752,502	$19,674,097	
6	Average Net Investment		$20,486,798	$20,416,865	$20,346,932	$20,276,999	$20,207,066	$20,137,133	$20,067,200	$19,997,267	$19,927,334	$19,857,401	$19,787,468	$19,713,299	
7	Return on Average Net Investment (B) — Jan-Jun / Jul-Dec														
	a. Debt Component — 2.02% / 1.97%		34,439	34,320	34,203	34,087	33,967	33,850	32,905	32,791	32,676	32,561	32,447	32,325	400,571
	b. Equity Component Grossed Up For Taxes — 6.29% / 6.23%		107,360	106,991	106,623	106,256	105,892	105,524	104,171	103,808	103,445	103,082	102,719	102,334	1,258,205
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation (C) 3.7000%		69,933	69,933	69,933	69,933	69,933	69,933	69,933	69,933	69,933	69,933	69,933	69,933	839,196
	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%		3,219	3,219	3,219	3,219	3,219	3,219	3,219	3,219	3,219	3,219	3,219	3,219	38,628
	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)		$204,411	$203,923	$203,438	$202,955	$202,471	$201,986	$199,688	$199,211	$198,733	$198,255	$197,778	$197,271	2,410,125
	a. Recoverable Costs Allocated to Energy		204,411	203,923	203,438	202,955	202,471	201,986	199,688	199,211	198,733	198,255	197,778	197,271	2,410,125
	b. Recoverable Costs Allocated to Demand		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0
10	Energy Jurisdictional Factor		0.95280	0.95010	0.94890	0.95290	0.93750	0.93350	0.94470	0.94230	0.94180	0.94620	0.95330	0.95270	
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)		$194,763	$193,748	$193,043	$193,396	$189,817	$188,554	$188,646	$187,717	$187,167	$187,589	$188,542	$187,940	2,280,922
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)		$194,763	$193,748	$193,043	$193,396	$189,817	$188,554	$188,646	$187,717	$187,167	$187,589	$188,542	$187,940	$2,280,922

Notes:
(A) N/A
(B) Jan - Jun 2018 Line 6 x 8.31% x 1/12. Jul - Dec 2018 Line 6 x 8.20% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% (Jan-Jun) and 4.65 (Jul-Dec), and statutory income tax rate of 25.345% (inc tax multiplier = 1.339495).
See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-EI.
(C) Line 2 x rate x 1/12. Depreciation rate based on approved rates in Order PSC-2010-0131-FOF-EI.
(D) Line 2 x rate x 1/12. Based on 2017 Effective Tax Rate on original cost.
(E) Decrease in depreciation expense related to retired rate base assets as approved in Docket No. 19990007-EI, Order No. PSC-1999-2513-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 2018 - December 2018

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

Line	Description	Jan-Jun	Jul-Dec	Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	End of Period Total
1	Investments																
	a. Expenditures/Additions				$0	$0	$0	$0	$0	$0	$114,537	$0	$2,269	($50,140)	$394	$0	$67,060
	b. Clearings to Plant				281,429	0	0	0	0	0	0	0	0	0	67,059	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			$97,585	379,014	379,014	379,014	379,014	379,014	379,014	379,014	379,014	379,014	379,014	446,073	446,073	
3	Less: Accumulated Depreciation			(2,112)	(2,797)	(3,482)	(4,167)	(4,852)	(5,537)	(6,222)	(6,907)	(7,592)	(8,277)	(8,962)	(9,768)	(10,574)	
4	CWIP - Non-Interest Bearing			281,429	(0)	(0)	(0)	(0)	(0)	(0)	114,537	114,537	116,806	66,665	0	0	
5	Net Investment (Lines 2 + 3 + 4)			$376,902	$376,217	$375,532	$374,847	$374,162	$373,477	$372,792	$486,644	$485,959	$487,543	$436,717	$436,305	$435,499	
6	Average Net Investment				$376,559	$375,874	$375,189	$374,504	$373,819	$373,134	$429,718	$486,301	$486,751	$462,130	$436,511	$435,902	
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.02%	1.97%		633	632	631	630	629	627	705	797	798	758	716	715	8,271
	b. Equity Component Grossed Up For Taxes	6.29%	6.23%		1,974	1,971	1,967	1,963	1,960	1,956	2,231	2,524	2,527	2,399	2,266	2,263	26,001
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation (C) 2.1695%				685	685	685	685	685	685	685	685	685	685	806	806	8,462
	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%				54	54	54	54	54	54	54	54	54	54	63	63	666
	e. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)				$3,346	$3,342	$3,337	$3,332	$3,328	$3,322	$3,675	$4,060	$4,064	$3,896	$3,851	$3,847	43,400
	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				$3,346	$3,342	$3,337	$3,332	$3,328	$3,322	$3,675	$4,060	$4,064	$3,896	$3,851	$3,847	43,400
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)				3,108	3,104	3,100	3,095	3,091	3,086	3,414	3,771	3,775	3,619	3,577	3,573	40,312
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)				$3,108	$3,104	$3,100	$3,095	$3,091	$3,086	$3,414	$3,771	$3,775	$3,619	$3,577	$3,573	$40,312

Notes:
(A) N/A
(B) Jan - Jun 2018 Line 6 x 8.31% x 1/12. Jul - Dec 2018 Line 6 x 8.20% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% (Jan-Jun) and 4.65 (Jul-Dec), and statutory income tax rate of 25.345% (inc tax multiplier = 1.339495).
See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-EI.
(C) Line 2 x rate x 1/12. Depreciation rate based on approved rates in Order PSC-2010-0131-FOF-EI.
(D) Line 2 x rate x 1/12. Based on 2017 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 2018 - December 2018

Capital Structure and Cost Rates

Class of Capital	Retail Amount	Ratio	Cost Rate	Weighted Cost Rate	PreTax Weighted Cost Rate	
CE	$4,711,485,475	44.73%	0.10500	4.70%	6.29%	
PS	-	0.00%	0.00000	0.00%	0.00%	
LTD	3,931,532,102	37.33%	0.05290	1.97%	1.97%	
STD	102,874,989	0.98%	0.00210	0.00%	0.00%	
CD-Active	191,024,808	1.81%	0.02260	0.04%	0.04%	
CD-Inactive	1,455,315	0.01%	0.00000	0.00%	0.00%	
ADIT	1,772,932,910	16.83%	0.00000	0.00%	0.00%	
FAS 109	(180,390,549)	-1.71%	0.00000	0.00%	0.00%	
ITC	1,967,889	0.02%	0.00000	0.00%	0.00%	
Total	$ 10,532,882,939	100.00%		6.71%	8.31%	
			Total Debt	2.02%	2.02%	
			Total Equity	4.70%	6.29%	(A)

May 2017 DEF Surveillance Report capital structure and cost rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 120007-EI.

(A) The May 2017 Pre-Tax Weighted Cost Rate for Common Equity above reflects the impact of the reduction in the federal corporate income tax rate as a result of the 2018 Tax Cuts and Jobs Act.

Class of Capital	Retail Amount	Ratio	Cost Rate	Weighted Cost Rate	PreTax Weighted Cost Rate
CE	$ 5,022,459,234	44.29%	0.10500	4.65%	6.23%
PS	-	0.00%	0.00000	0.00%	0.00%
LTD	4,497,051,945	39.66%	0.04896	1.94%	1.94%
STD	(193,058,184)	-1.70%	0.00878	-0.01%	-0.01%
CD-Active	179,648,841	1.58%	0.02352	0.04%	0.04%
CD-Inactive	1,597,098	0.01%	0.00000	0.00%	0.00%
ADIT	1,826,908,909	16.11%	0.00000	0.00%	0.00%
FAS 109	-	0.00%	0.00000	0.00%	0.00%
ITC	5,239,408	0.05%	0.07853	0.00%	0.00%
Total	$11,339,847,250	100.00%		6.62%	8.20%
			Total Debt	1.97%	1.97%
			Total Equity	4.65%	6.23%

May 2018 DEF Surveillance Report capital structure and cost rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 120007-EI.

The May 2018 DEF Surveillance Report reflects the tax reform adjustments as set forth in Paragraph 16 of DEF's 2017 Settlement.

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

January 2018 - December 2018
Final True-Up
Docket No. 20190007-EI

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause (ECRC)
Capital Programs Detail Support - January 2017 through December 2017
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-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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			$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	
3a	Regulatory Asset Balance (C)			18,203	17,293	16,383	15,473	14,563	13,654	12,744	11,834	10,924	10,014	9,105	8,195	7,285	
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)			$18,203	$17,293	$16,383	$15,473	$14,564	$13,654	$12,744	$11,834	$10,925	$10,015	$9,105	$8,195	$7,285	
6	Average Net Investment				17,748	16,838	15,928	15,018	14,109	13,199	12,289	11,379	10,470	9,560	8,650	7,740	
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.02%	1.97%		30	28	27	25	24	22	20	19	17	16	14	13	255
	b. Equity Component Grossed Up For Taxes	6.29%	6.23%		93	88	84	79	74	69	64	59	54	50	45	40	799
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation 1.8857%				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Amortization (C)				910	910	910	910	910	910	910	910	910	910	910	910	10,921
	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				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)				$1,033	$1,026	$1,021	$1,014	$1,008	$1,001	$994	$988	$981	$976	$969	$963	$11,975
	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				$1,033	$1,026	$1,021	$1,014	$1,008	$1,001	$994	$988	$981	$976	$969	$963	$11,975

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

Line	Description			Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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			$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	
3a	Regulatory Asset Balance (B)			521,464	495,391	469,318	443,244	417,171	391,098	365,025	338,952	312,878	286,805	260,732	234,659	208,586	
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)			$521,464	$495,391	$469,318	$443,244	$417,171	$391,098	$365,025	$338,952	$312,878	$286,805	$260,732	$234,659	$208,586	
6	Average Net Investment				508,427	482,354	456,281	430,208	404,135	378,061	351,988	325,915	299,842	273,769	247,695	221,622	
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.02%	1.97%		855	811	767	723	680	636	577	534	492	449	406	363	7,293
	b. Equity Component Grossed Up For Taxes	6.29%	6.23%		2,666	2,529	2,392	2,255	2,119	1,982	1,827	1,692	1,557	1,421	1,286	1,150	22,876
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation 2.5579%				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Amortization (B)				26,073	26,073	26,073	26,073	26,073	26,073	26,073	26,073	26,073	26,073	26,073	26,073	312,878
	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				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)				$29,594	$29,413	$29,232	$29,051	$28,872	$28,691	$28,477	$28,299	$28,122	$27,943	$27,765	$27,586	$343,047
	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				$29,594	$29,413	$29,232	$29,051	$28,872	$28,691	$28,477	$28,299	$28,122	$27,943	$27,765	$27,586	$343,047

(A) The allowable return is per the methodology approved in Order No. PSC-2012-0425-PAA-EU.
(B) Investment amortized over three years as approved in Order No. PSC-2016-0535-FOF-EI.
(C) Investment amortized over 26 months, as approved in Order PSC-2018-0014-FOF-EI.

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause (ECRC)
Capital Programs Detail Support - January 2017 through December 2017
Pipeline Intergrity Management (Project 3 Recap)

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

Line	Description	Jan-Jun	Jul-Dec	Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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			$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	
3a	Regulatory Asset Balance (B)			$397,503	377,628	357,753	337,878	318,003	298,128	278,252	258,377	238,502	218,627	198,752	178,877	159,001	
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)			$397,503	$377,628	$357,753	$337,878	$318,003	$298,128	$278,252	$258,377	$238,502	$218,627	$198,752	$178,877	$159,001	
6	Average Net Investment				387,566	367,691	347,816	327,940	308,065	288,190	268,315	248,440	228,565	208,689	188,814	168,939	
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.02%	1.97%		652	618	585	551	518	485	440	407	375	342	310	277	5,560
	b. Equity Component Grossed Up For Taxes	6.29%	6.23%		2,032	1,928	1,824	1,719	1,615	1,511	1,393	1,290	1,187	1,083	980	877	17,439
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation 2.5579%				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Amortization (B)				19,875	19,875	19,875	19,875	19,875	19,875	19,875	19,875	19,875	19,875	19,875	19,875	238,502
	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				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)				$22,559	$22,421	$22,284	$22,145	$22,008	$21,871	$21,708	$21,572	$21,437	$21,300	$21,165	$21,029	$261,501
	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				$22,559	$22,421	$22,284	$22,145	$22,008	$21,871	$21,708	$21,572	$21,437	$21,300	$21,165	$21,029	$261,501

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

Line	Description	Jan-Jun	Jul-Dec	Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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			$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	
3a	Regulatory Asset Balance (B)			$63,175	60,016	56,857	53,698	50,540	47,381	44,222	41,063	37,905	34,746	31,587	28,429	25,270	
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)			$63,175	$60,016	$56,857	$53,698	$50,540	$47,381	$44,222	$41,063	$37,905	$34,746	$31,587	$28,429	$25,270	
6	Average Net Investment				61,595	58,436	55,278	52,119	48,960	45,802	42,643	39,484	36,325	33,167	30,008	26,849	
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.02%	1.97%		104	98	93	88	82	77	70	65	60	54	49	44	884
	b. Equity Component Grossed Up For Taxes	6.29%	6.23%		323	306	290	273	257	240	221	205	189	172	156	139	2,771
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation 3.3596%				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Amortization (B)				3,159	3,159	3,159	3,159	3,159	3,159	3,159	3,159	3,159	3,159	3,159	3,159	37,905
	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				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)				$3,586	$3,563	$3,542	$3,520	$3,498	$3,476	$3,450	$3,429	$3,408	$3,385	$3,364	$3,342	$41,560
	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				$3,586	$3,563	$3,542	$3,520	$3,498	$3,476	$3,450	$3,429	$3,408	$3,385	$3,364	$3,342	$41,560

(A) The allowable return is per the methodology approved in Order No. PSC-2012-0425-PAA-EU.
(B) Investment amortized over three years as approved in Order No. PSC-2016-0535-FOF-EI.

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

Line	Description			Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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			$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	
3a	Regulatory Asset Balance (B)			685,616	639,909	594,202	548,495	502,788	457,081	411,374	365,667	319,960	274,253	228,546	182,839	137,132	
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)			$685,616	$639,909	$594,202	$548,495	$502,788	$457,081	$411,374	$365,667	$319,960	$274,253	$228,546	$182,839	$137,132	
6	Average Net Investment				662,763	617,056	571,349	525,642	479,935	434,228	388,521	342,814	297,107	251,400	205,693	159,986	
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.02%	1.97%		1,114	1,038	961	884	807	730	637	562	487	412	337	262	8,231
	b. Equity Component Grossed Up For Taxes	6.29%	6.23%		3,475	3,235	2,995	2,756	2,516	2,277	2,017	1,780	1,542	1,305	1,068	831	25,797
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation	Blended			0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Amortization (B)				45,707	45,707	45,707	45,707	45,707	45,707	45,707	45,707	45,707	45,707	45,707	45,707	548,484
	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			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)				$50,296	$49,980	$49,663	$49,347	$49,030	$48,714	$48,361	$48,049	$47,736	$47,424	$47,112	$46,800	$582,512
	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				$50,296	$49,980	$49,663	$49,347	$49,030	$48,714	$48,361	$48,049	$47,736	$47,424	$47,112	$46,800	$582,512

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

Line	Description			Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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			(380,955)	(384,640)	(388,325)	(392,010)	(395,695)	(399,380)	(403,062)	(406,747)	(410,431)	(414,116)	(417,800)	(421,485)	(425,169)	
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)			$1,092,846	$1,089,162	$1,085,476	$1,081,792	$1,078,106	$1,074,422	$1,070,739	$1,067,055	$1,063,370	$1,059,686	$1,056,001	$1,052,317	$1,048,632	
6	Average Net Investment				1,091,004	1,087,319	1,083,634	1,079,949	1,076,264	1,072,580	1,068,897	1,065,212	1,061,528	1,057,843	1,054,159	1,050,474	
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.02%	1.97%		1,834	1,828	1,822	1,816	1,810	1,803	1,753	1,747	1,741	1,735	1,729	1,723	21,341
	b. Equity Component Grossed Up For Taxes	6.29%	6.23%		5,720	5,701	5,681	5,662	5,643	5,623	5,549	5,530	5,510	5,491	5,472	5,453	67,035
	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)				$12,459	$12,434	$12,408	$12,383	$12,358	$12,331	$12,207	$12,182	$12,156	$12,131	$12,106	$12,081	$147,236
	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				$12,459	$12,434	$12,408	$12,383	$12,358	$12,331	$12,207	$12,182	$12,156	$12,131	$12,106	$12,081	$147,236

(A) The allowable return is per the methodology approved in Order No. PSC-2012-0425-PAA-EU.
(B) Investment amortized over three years as approved in Order No. PSC-2016-0535-FOF-EI.

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause (ECRC)
Capital Programs Detail Support - January 2017 through December 2017
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	Jan-Jun	Jul-Dec	Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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			(1,053,467)	(1,062,606)	(1,071,745)	(1,080,884)	(1,090,023)	(1,099,162)	(1,108,301)	(1,117,440)	(1,126,579)	(1,135,718)	(1,144,857)	(1,153,996)	(1,163,135)	
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)			$608,197	$599,058	$589,919	$580,780	$571,641	$562,502	$553,363	$544,224	$535,085	$525,946	$516,807	$507,668	$498,529	
6	Average Net Investment				603,628	594,489	585,350	576,211	567,072	557,933	548,794	539,655	530,516	521,377	512,238	503,099	
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.02%	1.97%		1,015	1,000	984	969	953	938	900	885	870	855	840	825	11,034
	b. Equity Component Grossed Up For Taxes	6.29%	6.23%		3,165	3,117	3,069	3,021	2,973	2,925	2,849	2,801	2,754	2,707	2,659	2,612	34,652
	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)				$14,496	$14,433	$14,369	$14,306	$14,242	$14,179	$14,065	$14,002	$13,940	$13,878	$13,815	$13,753	$169,478
	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				$14,496	$14,433	$14,369	$14,306	$14,242	$14,179	$14,065	$14,002	$13,940	$13,878	$13,815	$13,753	$169,478

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

Line	Description	Jan-Jun	Jul-Dec	Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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			(89,897)	(90,613)	(91,329)	(92,045)	(92,761)	(93,477)	(94,193)	(94,909)	(95,625)	(96,341)	(97,057)	(97,773)	(98,489)	
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)			$89,041	$88,325	$87,609	$86,893	$86,177	$85,461	$84,745	$84,029	$83,313	$82,597	$81,881	$81,165	$80,449	
6	Average Net Investment				88,683	87,967	87,251	86,535	85,819	85,103	84,387	83,671	82,955	82,239	81,523	80,807	
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.02%	1.97%		149	148	147	146	144	143	138	137	136	135	134	133	1,690
	b. Equity Component Grossed Up For Taxes	6.29%	6.23%		465	461	457	454	450	446	438	434	431	427	423	419	5,305
	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)				$1,470	$1,465	$1,460	$1,456	$1,450	$1,445	$1,432	$1,427	$1,423	$1,418	$1,413	$1,408	$17,267
	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				$1,470	$1,465	$1,460	$1,456	$1,450	$1,445	$1,432	$1,427	$1,423	$1,418	$1,413	$1,408	$17,267

(A) The allowable return is per the methodology approved in Order No. PSC-2012-0425-PAA-EU.

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

Line Description			Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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			(220,616)	(222,438)	(224,260)	(226,083)	(227,905)	(229,727)	(231,549)	(233,371)	(235,194)	(237,016)	(238,838)	(240,660)	(242,482)	
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)			$509,679	$507,857	$506,035	$504,213	$502,391	$500,568	$498,746	$496,924	$495,102	$493,280	$491,457	$489,635	$487,813	
6 Average Net Investment				508,768	506,946	505,124	503,302	501,480	499,657	497,835	496,013	494,191	492,369	490,546	488,724	
7 Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
a. Debt Component	2.02%	1.97%		855	852	849	846	843	840	816	813	810	807	804	801	9,936
b. Equity Component Grossed Up For Taxes	6.29%	6.23%		2,667	2,658	2,648	2,639	2,629	2,620	2,584	2,575	2,565	2,556	2,546	2,537	31,224
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)				$5,948	$5,936	$5,923	$5,911	$5,898	$5,886	$5,826	$5,814	$5,801	$5,789	$5,776	$5,764	$70,272
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				$5,948	$5,936	$5,923	$5,911	$5,898	$5,886	$5,826	$5,814	$5,801	$5,789	$5,776	$5,764	$70,272

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

Line Description			Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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			(358,152)	(361,004)	(363,856)	(366,708)	(369,560)	(372,412)	(375,264)	(378,116)	(380,968)	(383,820)	(386,672)	(389,524)	(392,376)	
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)			$679,047	$676,195	$673,343	$670,491	$667,639	$664,787	$661,935	$659,083	$656,231	$653,379	$650,527	$647,675	$644,823	
6 Average Net Investment				677,621	674,769	671,917	669,065	666,213	663,361	660,509	657,657	654,805	651,953	649,101	646,249	
7 Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
a. Debt Component	2.02%	1.97%		1,139	1,135	1,130	1,125	1,120	1,115	1,083	1,078	1,074	1,069	1,064	1,060	13,192
b. Equity Component Grossed Up For Taxes	6.29%	6.23%		3,553	3,538	3,523	3,508	3,493	3,478	3,429	3,414	3,399	3,384	3,370	3,355	41,444
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)				$8,293	$8,274	$8,254	$8,234	$8,214	$8,194	$8,113	$8,093	$8,074	$8,054	$8,035	$8,016	$97,848
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				$8,293	$8,274	$8,254	$8,234	$8,214	$8,194	$8,113	$8,093	$8,074	$8,054	$8,035	$8,016	$97,848

(A) The allowable return is per the methodology approved in Order No. PSC-2012-0425-PAA-EU.

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause (ECRC)
Capital Programs Detail Support - January 2017 through December 2017
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-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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			(728,030)	(735,866)	(743,702)	(751,538)	(759,374)	(767,210)	(775,046)	(782,882)	(790,718)	(798,554)	(806,390)	(814,226)	(822,062)	
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)			$2,888,874	$2,881,038	$2,873,202	$2,865,366	$2,857,530	$2,849,694	$2,841,858	$2,834,022	$2,826,186	$2,818,350	$2,810,514	$2,802,678	$2,794,842	
6	Average Net Investment				2,884,956	2,877,120	2,869,284	2,861,448	2,853,612	2,845,776	2,837,940	2,830,104	2,822,268	2,814,432	2,806,596	2,798,760	
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.02%	1.97%		4,851	4,838	4,824	4,811	4,798	4,785	4,654	4,641	4,628	4,615	4,602	4,589	56,636
	b. Equity Component Grossed Up For Taxes	6.29%	6.23%		15,125	15,084	15,043	15,002	14,961	14,920	14,732	14,691	14,651	14,610	14,569	14,529	177,917
	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)				$31,318	$31,264	$31,209	$31,155	$31,101	$31,047	$30,728	$30,674	$30,621	$30,567	$30,513	$30,460	$370,657
	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				$31,318	$31,264	$31,209	$31,155	$31,101	$31,047	$30,728	$30,674	$30,621	$30,567	$30,513	$30,460	$370,657

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

Line	Description			Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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			(60,342)	(60,583)	(60,824)	(61,065)	(61,306)	(61,547)	(61,788)	(62,029)	(62,270)	(62,511)	(62,752)	(62,993)	(63,234)	
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)			$81,092	$80,852	$80,611	$80,370	$80,129	$79,888	$79,647	$79,406	$79,165	$78,924	$78,683	$78,442	$78,201	
6	Average Net Investment				80,972	80,731	80,490	80,249	80,008	79,767	79,526	79,285	79,044	78,803	78,562	78,321	
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.02%	1.97%		136	136	135	135	135	134	130	130	130	129	129	128	1,587
	b. Equity Component Grossed Up For Taxes	6.29%	6.23%		425	423	422	421	419	418	413	412	410	409	408	407	4,987
	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)				$956	$954	$952	$951	$949	$947	$938	$937	$935	$933	$932	$930	$11,314
	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				$956	$954	$952	$951	$949	$947	$938	$937	$935	$933	$932	$930	$11,314

(A) The allowable return is per the methodology approved in Order No. PSC-2012-0425-PAA-EU.

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

Line Description				Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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				(182,388)	(184,165)	(185,942)	(187,719)	(189,496)	(191,273)	(193,050)	(194,827)	(196,604)	(198,381)	(200,158)	(201,935)	(203,712)	
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)				$212,580	$210,803	$209,026	$207,249	$205,472	$203,695	$201,918	$200,141	$198,364	$196,587	$194,810	$193,033	$191,256	
6 Average Net Investment					211,691	209,914	208,137	206,360	204,583	202,806	201,029	199,252	197,475	195,698	193,921	192,144	
7 Return on Average Net Investment (A)		Jan-Jun	Jul-Dec														
a. Debt Component		2.02%	1.97%		356	353	350	347	344	341	330	327	324	321	318	315	4,026
b. Equity Component Grossed Up For Taxes		6.29%	6.23%		1,110	1,101	1,091	1,082	1,073	1,063	1,044	1,034	1,025	1,016	1,007	997	12,643
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)					$3,570	$3,558	$3,545	$3,533	$3,521	$3,508	$3,478	$3,465	$3,453	$3,441	$3,429	$3,416	$41,917
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					$3,570	$3,558	$3,545	$3,533	$3,521	$3,508	$3,478	$3,465	$3,453	$3,441	$3,429	$3,416	$41,917

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

Line Description				Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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				(18,339)	(18,441)	(18,543)	(18,645)	(18,747)	(18,849)	(18,951)	(19,053)	(19,155)	(19,257)	(19,359)	(19,461)	(19,563)	
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)				$14,753	$14,651	$14,549	$14,447	$14,345	$14,243	$14,141	$14,039	$13,937	$13,835	$13,733	$13,631	$13,529	
6 Average Net Investment					14,702	14,600	14,498	14,396	14,294	14,192	14,090	13,988	13,886	13,784	13,682	13,580	
7 Return on Average Net Investment (A)		Jan-Jun	Jul-Dec														
a. Debt Component		2.02%	1.97%		25	25	24	24	24	24	23	23	23	23	22	22	282
b. Equity Component Grossed Up For Taxes		6.29%	6.23%		77	77	76	75	75	74	73	73	72	72	71	70	885
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)					$209	$209	$207	$206	$206	$205	$203	$203	$202	$202	$200	$199	$2,451
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					$209	$209	$207	$206	$206	$205	$203	$203	$202	$202	$200	$199	$2,451

(A) The allowable return is per the methodology approved in Order No. PSC-2012-0425-PAA-EU.

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause (ECRC)
Capital Programs Detail Support - January 2017 through December 2017
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	Rate	Jan-Jun	Jul-Dec	Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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				45,572	42,642	39,712	36,782	33,852	30,922	27,992	25,062	22,132	19,202	16,272	13,342	10,412	
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)				$2,411,519	$2,408,589	$2,405,659	$2,402,729	$2,399,799	$2,396,869	$2,393,939	$2,391,009	$2,388,079	$2,385,149	$2,382,219	$2,379,289	$2,376,359	
6 Average Net Investment					2,410,054	2,407,124	2,404,194	2,401,264	2,398,334	2,395,404	2,392,474	2,389,544	2,386,614	2,383,684	2,380,754	2,377,824	
7 Return on Average Net Investment (A)		Jan-Jun	Jul-Dec														
a. Debt Component		2.02%	1.97%		4,052	4,047	4,042	4,038	4,033	4,028	3,923	3,918	3,913	3,909	3,904	3,899	47,706
b. Equity Component Grossed Up For Taxes		6.29%	6.23%		12,635	12,620	12,605	12,589	12,574	12,559	12,420	12,404	12,389	12,374	12,359	12,344	149,872
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)					$19,941	$19,921	$19,901	$19,881	$19,861	$19,841	$19,597	$19,576	$19,556	$19,537	$19,517	$19,497	$236,626
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					$19,941	$19,921	$19,901	$19,881	$19,861	$19,841	$19,597	$19,576	$19,556	$19,537	$19,517	$19,497	$236,626

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

Line Description	Rate	Jan-Jun	Jul-Dec	Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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				(72,786)	(73,311)	(73,836)	(74,361)	(74,886)	(75,411)	(75,936)	(76,461)	(76,986)	(77,511)	(78,036)	(78,561)	(79,086)	
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)				$217,512	$216,986	$216,461	$215,936	$215,411	$214,886	$214,361	$213,836	$213,311	$212,786	$212,261	$211,736	$211,211	
6 Average Net Investment					217,249	216,724	216,199	215,674	215,149	214,624	214,099	213,574	213,049	212,524	211,999	211,474	
7 Return on Average Net Investment (A)		Jan-Jun	Jul-Dec														
a. Debt Component		2.02%	1.97%		365	364	364	363	362	361	351	350	349	348	348	347	4,272
b. Equity Component Grossed Up For Taxes		6.29%	6.23%		1,139	1,136	1,133	1,131	1,128	1,125	1,111	1,109	1,106	1,103	1,101	1,098	13,420
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)					$2,234	$2,230	$2,227	$2,224	$2,220	$2,216	$2,192	$2,189	$2,185	$2,181	$2,179	$2,175	$26,452
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					$2,234	$2,230	$2,227	$2,224	$2,220	$2,216	$2,192	$2,189	$2,185	$2,181	$2,179	$2,175	$26,452

(A) The allowable return is per the methodology approved in Order No. PSC-2012-0425-PAA-EU.

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

Line	Description			Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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			$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			(43,337)	(43,741)	(44,145)	(44,549)	(44,953)	(45,357)	(45,761)	(46,165)	(46,569)	(46,973)	(47,377)	(47,781)	(48,185)	
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)			$118,417	$118,013	$117,609	$117,205	$116,801	$116,397	$115,993	$115,589	$115,185	$114,781	$114,377	$113,973	$113,569	
6	Average Net Investment				118,215	117,811	117,407	117,003	116,599	116,195	115,791	115,387	114,983	114,579	114,175	113,771	
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.02%	1.97%		199	198	197	197	196	195	190	189	189	188	187	187	2,312
	b. Equity Component Grossed Up For Taxes	6.29%	6.23%		620	618	616	613	611	609	601	599	597	595	593	591	7,263
	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)				$1,350	$1,347	$1,344	$1,341	$1,338	$1,335	$1,322	$1,319	$1,317	$1,314	$1,311	$1,309	$15,947
	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				$1,350	$1,347	$1,344	$1,341	$1,338	$1,335	$1,322	$1,319	$1,317	$1,314	$1,311	$1,309	$15,947

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

Line	Description			Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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			$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			(53,857)	(54,215)	(54,573)	(54,931)	(55,289)	(55,647)	(56,005)	(56,363)	(56,721)	(57,079)	(57,437)	(57,795)	(58,153)	
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)			$221,490	$221,132	$220,774	$220,416	$220,058	$219,700	$219,342	$218,984	$218,626	$218,268	$217,910	$217,552	$217,194	
6	Average Net Investment				221,311	220,953	220,595	220,237	219,879	219,521	219,163	218,805	218,447	218,089	217,731	217,373	
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.02%	1.97%		372	372	371	370	370	369	359	359	358	358	357	356	4,371
	b. Equity Component Grossed Up For Taxes	6.29%	6.23%		1,160	1,158	1,157	1,155	1,153	1,151	1,138	1,136	1,134	1,132	1,130	1,128	13,732
	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)				$2,118	$2,116	$2,114	$2,111	$2,109	$2,106	$2,083	$2,081	$2,078	$2,076	$2,073	$2,070	$25,135
	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				$2,118	$2,116	$2,114	$2,111	$2,109	$2,106	$2,083	$2,081	$2,078	$2,076	$2,073	$2,070	$25,135

(A) The allowable return is per the methodology approved in Order No. PSC-2012-0425-PAA-EU.

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

Line Description			Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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			$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			(47,871)	(48,255)	(48,639)	(49,023)	(49,407)	(49,791)	(50,175)	(50,559)	(50,943)	(51,327)	(51,711)	(52,095)	(52,479)	
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)			$151,117	$150,733	$150,349	$149,965	$149,581	$149,197	$148,813	$148,429	$148,045	$147,661	$147,277	$146,893	$146,509	
6 Average Net Investment				150,925	150,541	150,157	149,773	149,389	149,005	148,621	148,237	147,853	147,469	147,085	146,701	
7 Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
a. Debt Component	2.02%	1.97%		254	253	252	252	251	251	244	243	242	242	241	241	2,966
b. Equity Component Grossed Up For Taxes	6.29%	6.23%		791	789	787	785	783	781	772	770	768	766	764	762	9,318
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)				$1,594	$1,591	$1,588	$1,586	$1,583	$1,581	$1,565	$1,562	$1,559	$1,557	$1,554	$1,552	$18,872
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				$1,594	$1,591	$1,588	$1,586	$1,583	$1,581	$1,565	$1,562	$1,559	$1,557	$1,554	$1,552	$18,872

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

Line Description			Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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			$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			(27,399)	(27,618)	(27,837)	(28,056)	(28,275)	(28,494)	(28,713)	(28,932)	(29,151)	(29,370)	(29,589)	(29,808)	(30,027)	
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)			$60,268	$60,049	$59,830	$59,611	$59,392	$59,173	$58,954	$58,735	$58,516	$58,297	$58,078	$57,859	$57,640	
6 Average Net Investment				60,159	59,940	59,721	59,502	59,283	59,064	58,845	58,626	58,407	58,188	57,969	57,750	
7 Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
a. Debt Component	2.02%	1.97%		101	101	100	100	100	99	96	96	96	95	95	95	1,174
b. Equity Component Grossed Up For Taxes	6.29%	6.23%		315	314	313	312	311	310	305	304	303	302	301	300	3,690
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)				$720	$719	$717	$716	$715	$713	$705	$704	$703	$701	$700	$699	$8,512
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				$720	$719	$717	$716	$715	$713	$705	$704	$703	$701	$700	$699	$8,512

(A) The allowable return is per the methodology approved in Order No. PSC-2012-0425-PAA-EU.

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

Line	Description		Jan-Jun	Jul-Dec	Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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				$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				(87,177)	(88,016)	(88,855)	(89,694)	(90,533)	(91,372)	(92,211)	(93,050)	(93,889)	(94,728)	(95,567)	(96,406)	(97,245)	
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)				$260,021	$259,182	$258,343	$257,504	$256,665	$255,826	$254,987	$254,148	$253,309	$252,470	$251,631	$250,792	$249,953	
6	Average Net Investment					259,601	258,762	257,923	257,084	256,245	255,406	254,567	253,728	252,889	252,050	251,211	250,372	
7	Return on Average Net Investment (A)		Jan-Jun	Jul-Dec														
	a. Debt Component		2.02%	1.97%		436	435	434	432	431	429	417	416	415	413	412	411	5,081
	b. Equity Component Grossed Up For Taxes		6.29%	6.23%		1,361	1,357	1,352	1,348	1,343	1,339	1,321	1,317	1,313	1,308	1,304	1,300	15,963
	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)					$2,923	$2,918	$2,912	$2,906	$2,900	$2,894	$2,864	$2,859	$2,854	$2,847	$2,842	$2,837	$34,556
	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					$2,923	$2,918	$2,912	$2,906	$2,900	$2,894	$2,864	$2,859	$2,854	$2,847	$2,842	$2,837	$34,556

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

Line	Description		Jan-Jun	Jul-Dec	Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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				$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				(95,011)	(95,798)	(96,585)	(97,372)	(98,159)	(98,946)	(99,733)	(100,520)	(101,307)	(102,094)	(102,881)	(103,668)	(104,455)	
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)				$254,573	$253,786	$252,999	$252,212	$251,425	$250,638	$249,851	$249,064	$248,277	$247,490	$246,703	$245,916	$245,129	
6	Average Net Investment					254,179	253,392	252,605	251,818	251,031	250,244	249,457	248,670	247,883	247,096	246,309	245,522	
7	Return on Average Net Investment (A)		Jan-Jun	Jul-Dec														
	a. Debt Component		2.02%	1.97%		427	426	425	423	422	421	409	408	406	405	404	403	4,979
	b. Equity Component Grossed Up For Taxes		6.29%	6.23%		1,333	1,328	1,324	1,320	1,316	1,312	1,295	1,291	1,287	1,283	1,279	1,275	15,643
	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)					$2,795	$2,789	$2,784	$2,778	$2,773	$2,768	$2,739	$2,734	$2,728	$2,723	$2,718	$2,713	$33,042
	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					$2,795	$2,789	$2,784	$2,778	$2,773	$2,768	$2,739	$2,734	$2,728	$2,723	$2,718	$2,713	$33,042

(A) The allowable return is per the methodology approved in Order No. PSC-2012-0425-PAA-EU.

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

Line	Description	Rate	Jan-Jun	Jul-Dec	Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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				$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	
3a	Regulatory Asset Balance (B)				48,372	45,147	41,922	38,698	35,473	32,248	29,023	25,798	22,574	19,349	16,124	12,899	9,674	
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)				$48,372	$45,147	$41,922	$38,698	$35,473	$32,248	$29,023	$25,798	$22,574	$19,349	$16,124	$12,899	$9,674	
6	Average Net Investment					46,760	43,535	40,310	37,085	33,860	30,636	27,411	24,186	20,961	17,736	14,512	11,287	
7	Return on Average Net Investment (A)		Jan-Jun	Jul-Dec														
	a. Debt Component		2.02%	1.97%		79	73	68	62	57	52	45	40	34	29	24	19	582
	b. Equity Component Grossed Up For Taxes		6.29%	6.23%		245	228	211	194	178	161	142	126	109	92	75	59	1,820
	c. Other					0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																	
	a. Depreciation	1.2187%				0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Amortization (B)					3,225	3,225	3,225	3,225	3,225	3,225	3,225	3,225	3,225	3,225	3,225	3,225	38,698
	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				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)					$3,549	$3,526	$3,504	$3,481	$3,460	$3,438	$3,412	$3,391	$3,368	$3,346	$3,324	$3,303	$41,100
	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					$3,549	$3,526	$3,504	$3,481	$3,460	$3,438	$3,412	$3,391	$3,368	$3,346	$3,324	$3,303	$41,100

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

Line	Description	Rate	Jan-Jun	Jul-Dec	Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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				$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				(56,190)	(56,613)	(57,036)	(57,459)	(57,882)	(58,305)	(58,728)	(59,151)	(59,574)	(59,997)	(60,420)	(60,843)	(61,266)	
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)				$325,370	$324,947	$324,524	$324,101	$323,678	$323,255	$322,832	$322,409	$321,986	$321,563	$321,140	$320,717	$320,294	
6	Average Net Investment					325,158	324,735	324,312	323,889	323,466	323,043	322,620	322,197	321,774	321,351	320,928	320,505	
7	Return on Average Net Investment (A)		Jan-Jun	Jul-Dec														
	a. Debt Component		2.02%	1.97%		547	546	545	545	544	543	529	528	528	527	526	526	6,434
	b. Equity Component Grossed Up For Taxes		6.29%	6.23%		1,705	1,703	1,700	1,698	1,696	1,694	1,675	1,673	1,670	1,668	1,666	1,664	20,212
	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)					$2,931	$2,928	$2,924	$2,922	$2,919	$2,916	$2,883	$2,880	$2,877	$2,874	$2,871	$2,869	$34,794
	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					$2,931	$2,928	$2,924	$2,922	$2,919	$2,916	$2,883	$2,880	$2,877	$2,874	$2,871	$2,869	$34,794

(A) The allowable return is per the methodology approved in Order No. PSC-2012-0425-PAA-EU.
(B) Investment amortized over three years as approved in Order No. PSC-2016-0535-FOF-EI.

DUKE ENERGY FLORIDA, LLC
Environmental Cost Recovery Clause (ECRC)
Capital Programs Detail Support - January 2017 through December 2017
CAIR/CAMR Crystal River AFUDC (Project 7.4 Recap)

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

Line	Description	Jan-Jun	Jul-Dec	Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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			(129,041)	(133,465)	(137,889)	(142,313)	(146,737)	(151,161)	(155,585)	(160,009)	(164,433)	(168,857)	(173,281)	(177,705)	(182,129)	
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)			$2,020,059	$2,015,635	$2,011,211	$2,006,787	$2,002,363	$1,997,939	$1,993,515	$1,989,091	$1,984,667	$1,980,243	$1,975,819	$1,971,395	$1,966,971	
6	Average Net Investment				2,017,847	2,013,423	2,008,999	2,004,575	2,000,151	1,995,727	1,991,303	1,986,879	1,982,455	1,978,031	1,973,607	1,969,183	
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.02%	1.97%		3,393	3,385	3,378	3,371	3,363	3,356	3,265	3,258	3,251	3,243	3,236	3,229	39,728
	b. Equity Component Grossed Up For Taxes	6.29%	6.23%		10,579	10,556	10,533	10,510	10,486	10,463	10,337	10,314	10,291	10,268	10,245	10,222	124,804
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation 2.4700%				4,424	4,424	4,424	4,424	4,424	4,424	4,424	4,424	4,424	4,424	4,424	4,424	53,088
	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)				$18,701	$18,670	$18,640	$18,610	$18,578	$18,548	$18,331	$18,301	$18,271	$18,240	$18,210	$18,180	$221,280
	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				$18,701	$18,670	$18,640	$18,610	$18,578	$18,548	$18,331	$18,301	$18,271	$18,240	$18,210	$18,180	$221,280

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

Line	Description	Jan-Jun	Jul-Dec	Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	End of Period Total
1	Investments																
	a. Expenditures/Additions				$3,357,899	$3,068,868	$6,676,348	$2,974,452	$2,891,636	$3,556,825	$4,945,014	$5,441,852	$4,533,960	$2,574,719	$4,389,767	$2,191,660	$46,603,000
	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			(34,043)	(34,803)	(35,563)	(36,323)	(37,083)	(37,843)	(38,603)	(39,363)	(40,123)	(40,883)	(41,643)	(42,403)	(43,163)	
4	CWIP - Non-Interest Bearing			30,270,290	33,628,190	36,697,058	43,373,406	46,347,858	49,239,494	52,796,318	57,741,332	63,183,184	67,717,144	70,291,863	74,681,630	76,873,290	
5	Net Investment (Lines 2 + 3 + 4)			$30,850,257	$34,207,397	$37,275,505	$43,951,093	$46,924,784	$49,815,661	$53,371,725	$58,315,979	$63,757,071	$68,290,271	$70,864,230	$75,253,237	$77,444,137	
6	Average Net Investment				32,528,827	35,741,451	40,613,299	45,437,939	48,370,223	51,593,693	55,843,852	61,036,525	66,023,671	69,577,251	73,058,734	76,348,687	
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec														
	a. Debt Component	2.02%	1.97%		54,695	60,096	68,288	76,400	81,330	86,750	91,570	100,085	108,262	114,089	119,798	125,193	1,086,556
	b. Equity Component Grossed Up For Taxes	6.29%	6.23%		170,542	187,385	212,927	238,221	253,595	270,495	289,891	316,847	342,736	361,183	379,255	396,334	3,419,411
	c. Other				0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																
	a. Depreciation 1.4860%				760	760	760	760	760	760	760	760	760	760	760	760	9,120
	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)				$226,084	$248,328	$282,062	$315,468	$335,772	$358,092	$382,308	$417,779	$451,845	$476,119	$499,900	$522,374	$4,516,131
	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				$226,084	$248,328	$282,062	$315,468	$335,772	$358,092	$382,308	$417,779	$451,845	$476,119	$499,900	$522,374	$4,516,131

Note> Consistent with the Stipulation & Settlement Agreement in Order No. PSC-2013-0598-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-2012-0425-PAA-EU.

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

Line	Description				Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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				(71,533)	(72,894)	(74,255)	(75,616)	(76,977)	(78,338)	(79,699)	(81,060)	(82,421)	(83,782)	(85,143)	(86,504)	(87,865)	
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)				$589,465	$588,104	$586,743	$585,382	$584,021	$582,660	$581,299	$579,938	$578,577	$577,216	$575,855	$574,494	$573,133	
6	Average Net Investment					588,785	587,424	586,063	584,702	583,341	581,980	580,619	579,258	577,897	576,536	575,175	573,814	
7	Return on Average Net Investment (A)		Jan-Jun	Jul-Dec														
	a. Debt Component		2.02%	1.97%		990	988	985	983	981	979	952	950	948	945	943	941	11,585
	b. Equity Component Grossed Up For Taxes		6.29%	6.23%		3,087	3,080	3,073	3,065	3,058	3,051	3,014	3,007	3,000	2,993	2,986	2,979	36,393
	c. Other					0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																	
	a. Depreciation	2.4700%				1,361	1,361	1,361	1,361	1,361	1,361	1,361	1,361	1,361	1,361	1,361	1,361	16,332
	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)					$5,532	$5,523	$5,513	$5,503	$5,494	$5,485	$5,421	$5,412	$5,403	$5,393	$5,384	$5,375	$65,438
	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					$5,532	$5,523	$5,513	$5,503	$5,494	$5,485	$5,421	$5,412	$5,403	$5,393	$5,384	$5,375	$65,438

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

Line	Description				Beginning of Period Amount	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Actual Jul-18	Actual Aug-18	Actual Sep-18	Actual Oct-18	Actual Nov-18	Actual Dec-18	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				(41,839)	(42,880)	(43,921)	(44,962)	(46,003)	(47,044)	(48,085)	(49,126)	(50,167)	(51,208)	(52,249)	(53,290)	(54,331)	
4	CWIP - Non-Interest Bearing				-	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)				$464,065	$463,024	$461,983	$460,942	$459,901	$458,860	$457,819	$456,778	$455,737	$454,696	$453,655	$452,614	$451,573	
6	Return on Average Net Investment (A)					463,545	462,504	461,463	460,422	459,381	458,340	457,299	456,258	455,217	454,176	453,135	452,094	
7	Return on Average Net Investment		Jan-Jun	Jul-Dec														
	a. Debt Component		2.02%	1.97%		779	778	776	774	772	771	750	748	746	745	743	741	9,123
	b. Equity Component Grossed Up For Taxes		6.29%	6.23%		2,430	2,425	2,419	2,414	2,408	2,403	2,374	2,368	2,363	2,358	2,352	2,347	28,661
	c. Other					0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses																	
	a. Depreciation	2.4700%				1,041	1,041	1,041	1,041	1,041	1,041	1,041	1,041	1,041	1,041	1,041	1,041	12,492
	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)					$4,322	$4,316	$4,308	$4,301	$4,293	$4,287	$4,237	$4,229	$4,222	$4,216	$4,208	$4,201	$51,140
	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					$4,322	$4,316	$4,308	$4,301	$4,293	$4,287	$4,237	$4,229	$4,222	$4,216	$4,208	$4,201	$51,140

Note> Consistent with the Stipulation & Settlement Agreement in Order No. PSC-2013-0598-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-2012-0425-PAA-EU.

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

DIRECT TESTIMONY OF

TIMOTHY HILL

ON BEHALF OF

DUKE ENERGY FLORIDA, LLC.

DOCKET NO. 20190007-EI

March 29, 2019

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 16 years of experience in the power generation industry including positions 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 2018 Coal Combustion Residual ("CCR") Rule compliance activities and associated 2018 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 2018 – December 2018 compare to actual/estimated Capital projections for the CCR Rule (Project 18)?

A. The CCR Rule capital variance is $47,266 or 41% lower than projected due to actual prices obtained from drilling vendors that were less than estimated, and fewer new wells were required than originally forecasted.

Q. How did actual O&M project expenditures for the period January 2018 – December 2018 compare to actual/estimated O&M projections for the CCR Rule (Project 18)?

A. The CCR O&M variance is $181,133 or 20% lower than projected. This is primarily due to timing of expenses associated with flue gas desulfurization ("FGD") dewatering and solids removal originally projected to be incurred in 2018 but will be incurred in 2019.

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. 20190007-EI

March 29, 2019

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 18 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 2018 - December 2018.

Q. How do actual O&M expenditures for January 2018 - December 2018 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 $2,290,057 or 7% lower than projected. This variance is primarily attributable to $2M lower than expected CAIR Crystal River Project 7.4 – Energy costs, and a $455k lower than expected CAIR Crystal River Project 7.4 – Conditions of Certification Energy costs. This was partially offset by a $137k higher than forecasted CAIR Crystal River Project 7.4 – Base cost.

Q. Please explain the O&M variance between actual project expenditures and the actual/estimated projections for CAIR Crystal River Project – Energy for the period January 2018 - December 2018?

A. O&M costs for CAIR Crystal River Project - Energy were $1,945,295 or 11% lower than forecasted primarily due to lower than projected generation.

Q: Please explain the O&M variance between actual project expenditures and actual/estimated projections for the CAIR Crystal River Project – Conditions of Certification (Project 7.4) for January 2018 - December 2018?

A: O&M costs for CAIR Crystal River Project – Conditions of Certification were $455,439 or 92% lower than projected. This was primarily due to the in-service timing of the project, which resulted in lower labor charges than originally forecasted.

Q. Please explain the O&M variance between actual project expenditures and actual/estimated projections for the CAIR Crystal River Project – Base for January 2018 - December 2018?

A. O&M costs for CAIR Crystal River Project – Base were $137,199 or 1% higher than projected due to higher than anticipated repairs on the units during the planned outage, and additional repairs on the hydrated lime system modifications.

Q: Please explain the capital variance between actual project expenditures and actual/estimated projections for the CAIR Crystal River Project – Conditions of Certification (Project 7.4q) for January 2018 - December 2018?

A: Capital costs for CAIR Crystal River Project – Conditions of Certification were $1,602,441 or 3.6% higher than projected. This primarily due to weather-related impacts, which resulted in higher than expected labor costs.

Q. How did actual O&M expenditures for January 2018 - December 2018 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 $524,745 or 35% lower than projected. The O&M variance is primarily due to lower than projected generation.

Q. Does this conclude your testimony?

A. Yes.

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

DIRECT TESTIMONY OF

KIM SPENCE McDANIEL

ON BEHALF OF

DUKE ENERGY FLORIDA, LLC

DOCKET NO. 20190007-EI

March 29, 2019

Q. Please state your name and business address.

A. My name is Kim S. McDaniel. 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 Manager of Environmental Services.

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 Science degree in Wildlife and Fisheries Sciences from Texas A&M University, College Station, Texas. I was employed by the Arizona Department of Environmental Quality ("ADEQ") between 1996 and 2007. At the ADEQ, I managed compliance and enforcement efforts associated with water quality and waste handling activities. During my tenure there I was also responsible for managing the site investigations under state superfund program and writing new regulations governing the management of wastes. I joined Progress Energy, now DEF, in 2008 as the manager of Florida Permitting and Compliance and am currently in this role.

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") Units 4&5 (Project 17) for the period January 2018 through December 2018.

Q. How did actual O&M expenditures for January 2018 - December 2018 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 $169,915 or 20% lower than projected. The Transmission portion (Project 1) is $153k or 32% lower than forecasted primarily due to some of the remediation work at the East Clearwater substation, which was projected to be completed in 2018, being re-scheduled into 2019. Repairs were made to several units at that location, however, repairs made to Bank #1 needed additional follow-up work, which will require an outage. Remediation activities will resume once repair has been completed. Holder substation was also projected to be completed in 2018, and most of the repairs were completed by December 2018. Additional repair work is still required on Bank #5. Remediation activities will resume once the repairs have been completed.

The Distribution portion (Project 1a) is $17k or 5% lower than forecasted primarily due to the lower than expected costs for potential groundwater monitoring and reporting charges.

Q. How did actual O&M expenditures for January 2018 - December 2018 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 $8,000 or 100% lower than projected. DEF did charge any costs to this project in 2018.

Q. How did actual O&M expenditures for January 2018 - December 2018 compare with DEF's actual/estimated projections for the Cooling Water Intake - 316(b) Project (Projects 6 & 6a)?

A. The Cooling Water Intake - 316(b) (Projects 6 & 6a) O&M variance is $324,183 or 122% higher than projected. This variance is driven primarily by Cooling Water Intake 316(b) – Base (Project 6), which had a $228k or 98% higher than projected variance primarily due to the cost of repairs to the existing intake structure at Crystal River North station that were necessary to prepare for the installation of new pumps to meet 316(b) compliance. Cooling Water Intake 316(b) – Intermediate (Project 6a) variance was $96k or 290% higher than forecasted, due to accelerating the schedule of studies for data analyses and modeling activities associated with the preparation of the 316(b) 122.21[r] report for Anclote. These studies were accelerated to maximize the efficient use of internal resources in conducting these analyses and reflect only a shift in timing of planned costs.

Q. How did actual O&M expenditures for January 2018 - December 2018 compare with DEF's actual/estimated projections for the Sea Turtle – Coastal Street Lighting Project (Project 9)?

A. The Sea Turtle – Coastal Street Lighting Project variance is $46,366 higher than forecasted. This is due to a lighting request for sea turtle protection involving the retrofit of 54 lights on Eldorado Avenue, Clearwater Beach, City of Clearwater, FL. DEF retrofitted 54 lights, that were part of an LED street light upgrade, to install turtle-sensitive lights to keep the turtles from gravitating toward the streets.

Q. How did actual O&M expenditures for January 2018 - December 2018 compare with DEF's actual/estimated projections for the Effluent Limitations Guideline Project (Project 15.1)?

A. The ELG O&M variance is $40,000 or 100% lower than projected due to timing of expenditures. Project implementation was shifted to 2019 to provide additional time for engineering design and for continued discussions with FDEP to address ELG requirements in the CR 4&5 NPDES permit renewal process. DEF now expects these costs to be incurred in 2019,

Q. How did actual Capital expenditures for January 2018 - December 2018 compare with DEF's actual/estimated projections for the Effluent Limitations Guideline Project (Project 15.1)?

A. The ELG Capital variance is $705,576 or 77% lower than projected due to timing of expenditures. Project implementation was shifted to 2019 to provide additional time for engineering design and for continued discussions with FDEP to address ELG requirements in the CR 4&5 NPDES permit renewal process. DEF now expects these costs to be incurred in 2019. The first phase of ELG compliance projects is scheduled to be completed in 2019. DEF plans to scope and schedule the second phase of compliance projects once the final ELG requirements are published by EPA.

Q. How did actual O&M expenditures for January 2018 - December 2018 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 $390,423 or 85% lower than forecasted, primarily due to lower reagent and maintenance costs, and less burner testing due to reduced unit generation.

Q. In Order No. PSC-2010-0683-FOF-EI issued in Docket No. 20100007-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. __ (KSM-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 status of the Cross-State Air Pollution Rule ("CSAPR")?

A. 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. Duke Energy sources in Florida are no longer subject to any CSAPR NOx emission limitations as of the beginning of 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 were to have been incorporated into affected stations' NPDES permits with a compliance timeframe between November 1, 2018 and December 31, 2023; however, on September 18, 2017, EPA issued a final rule postponing the compliance deadlines of FGD wastewater and bottom ash transport water for two years. 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 expanded 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 U.S. Supreme Court case were conducted in October 2017. On January 22, 2018, the U.S. Supreme Court issued its decision stating federal district courts, instead of federal appellate courts, have jurisdiction over challenges to the rule defining waters of the United States Consistent with the U.S. Supreme Court decision, the U.S. Court of Appeals for the Sixth Circuit lifted its nationwide stay on February 28, 2018. The stay issued by the North Dakota District Court remains in effect, but only within the thirteen states within the North Dakota District. 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 Corps to initiate a rulemaking to either rescind or revise the 2015 Clean Water Rule developed by the Obama administration. Subsequently, the EPA Administrator signed a pre-publication notice reflecting the intent to move forward with rulemaking in response to this directive. In addition, the executive order seeks to have the Department of Justice determine the path forward on the Clean Water Rule litigation in light of the new policy direction.

On January 31, 2018, the EPA and Corps announced a final rule adding an applicability date to the 2015 rule defining “waters of the United States,” thereby deferring implementation of the 2015 WOTUS Rule until early 2020. This rule has no immediate impact to Duke Energy, and the agencies will continue to apply the pre-existing WOTUS definition in place prior to the 2015 rule until 2020.

On February 14, 2019, EPA and Corps published in the Federal Register, the “Revised Definition of ‘Waters of the United States,’” which proposes to narrow the extent of Clean Water Act jurisdiction as compared to the 2015 definition adopted by the Obama Administration (Proposed Rule). Comments on the Proposed Rule are due by April 15, 2019.

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

March 29, 2019

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

NPDES – National Pollutant Discharge Elimination System

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. 20070007-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 2019.

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. 20070007-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. 20070007-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. 20120103-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-2014-0173-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. CR Units 1 and 2 were retired from service on December 31, 2018.

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.

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. 20070007-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-2007-0922-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 2019.

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, and in 2016 was revised to exclude Florida. 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-2011-0553-FOF-EI, issued in Docket No. 20110007-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-2011-0553-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.

On September 7, 2016, EPA finalized its CSAPR Update rule and 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. Duke Energy sources in Florida are no longer subject to any CSAPR NO_x emission limitations, as of the beginning of 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 was required to 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.

On February 7, 2019 the EPA proposed a revision to its response to the U.S. Supreme Court decision in *Michigan v. EPA* which held that the EPA erred by not considering cost in its determination that regulation under section 112 of the Clean Air Act of hazardous air pollutant emissions from coal- and oil-fired electric utility steam generating units is appropriate and necessary. This proposal is currently under review.

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. See Order No. PSC-2011-0553-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-2008-0775-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 are very limited 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. The D.C. Circuit subsequently issued a stay of the litigation. Previously, on February 9, 2016, the U.S. Supreme Court had 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. The D.C. Circuit has issued an order suspending this litigation pending a review of the rule by EPA.

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.

On October 16, 2017, the EPA published a proposal to announce its intention to repeal the CPP. The proposal also requested public comment on the proposed rule. The EPA held public hearings on November 28 and 29, 2017, in Charleston, West Virginia, and extended the public comment period until January 16, 2018. In response to numerous requests for additional opportunities for the public to provide oral testimony on the proposed rule in more than one location, the EPA will conduct EPA three listening sessions, and extend the public comment period until April 26, 2018.

On December 28, 2017 EPA published an Advanced Notice of Proposed Rulemaking (ANPR) to solicit information from the public as the agency considers proposing emission guidelines to limit GHG emissions from existing EGUs. EPA is also "soliciting information on the proper respective roles of the state and federal governments in the process, as well as information on systems of emission reduction that are applicable at or to an existing EGU, information on compliance measures, and information on state planning requirements under the Clean Air Act."

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. CR Units 1 and 2 were retired from service on December 31, 2018.

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. CR Units 1 and 2 were retired from service on December 31, 2018.

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 made nonattainment designations in 2017 for modeled areas and in 2020, will make designations 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. On August 22, 2017, EPA issued the Intended Area Designation document, which did not concur with FDEP's recommendation and outlined EPA's intent to identify an area in Citrus County near the Crystal River Power Plant as nonattainment with the SO2 ambient standard. FDEP provided additional updated information and, on December 21, 2017, EPA issued the final Third Round of SO2 Designations document designating the area around Crystal River as 'unclassifiable' rather than 'nonattainment.' In early 2018, this designation was upgrade to 'attainment', based on the results of the 2017 full year data.

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). While the original plan made strategic use of the allowance markets to comply with CSAPR requirements, this is no longer necessary as discussed in Section II.A of this document. 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 was only affected by the ozone season requirements of the rule, which applied from May through September. Beginning in 2017, the entire state of Florida was removed from the requirements to comply with the CSAPR. 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-2011-0553-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 20120103-EI.

Suwannee Units 1, 2 and 3 operated exclusively on natural gas and, therefore, were 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-2014-0173-PAA-EI (April 17, 2014). CR Units 1 and 2 were retired from service on December 31, 2018.

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 now scheduled to take effect in 2021, following EPA's January 2017 extension of the 2018 requirements. As presented in the Company's petition approved in Order PSC-2014-0173-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. 20140110-EI to construct the Citrus County Combined Cycle Units which are scheduled for commercial operation in 2018 and allowed 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 became operational. CR Units 1 and 2 were retired from service on December 31, 2018.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 operated CR Units 1 and 2 in compliance with BART and MATS requirements as outlined in Order No. PSC-2014-0173-PAA-EI until their retirement.

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. As identified in the September 1, 2017 filing in Docket No. 2017007-EI, DEF has selected a 316(b) compliance plan for Crystal River Units 1, 2, 4 and 5. 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 at other affected stations. 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. On September 18, 2017, EPA issued a rule postponing for two (2) years the compliance dates for FGD wastewater and bottom ash transport water included in the 2015 rule.
- 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 was performed and the

results statistically analyzed in January 2018. DEF's current plan is, by April 15, 2018, to perform an alternate source demonstration for the FGD ponds and proceed with assessment monitoring for the ash storage / disposal area (ash landfill). All other applicable CCR rule requirements applicable to the FGD ponds and ash landfill will continue into 2018 and beyond.

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.