



Matthew R. Bernier
ASSOCIATE GENERAL COUNSEL

July 26, 2019

VIA ELECTRONIC FILING

Adam J. 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 Petition for Approval of 2019 Environmental Cost Recovery Actual/ Estimated True Up;
- Direct Testimony of Christopher A. Menendez and Exhibit No. ____ (CAM-3) and Exhibit No. ____ (CAM-4);
- Direct Testimony of Timothy Hill;
- Direct Testimony of Kimberly Spence McDaniel; and
- Direct Testimony of Jeffrey Swartz.

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

Respectfully,

/s/ Matthew R. Bernier

Matthew R. Bernier

MRB/cmK
Enclosures

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Environmental Cost Recovery Clause

Docket No. 20190007-EI

Dated: July 26, 2019

**DUKE ENERGY FLORIDA, LLC'S PETITION FOR APPROVAL OF
2019 ENVIRONMENTAL COST RECOVERY ACTUAL/ESTIMATED TRUE-UP**

Duke Energy Florida, LLC ("the Company"), hereby petitions for approval of its Environmental Cost Recovery Clause ("ECRC") actual/estimated true-up for the period January 2019 to December 2019. In support of this Petition, the Company states:

1. As discussed in the testimony of Christopher A. Menendez filed contemporaneously with this Petition, the Company's total actual/estimated true-up for this period is an over-recovery, including interest, of \$16,666,006.

2. This amount will be added to the final true-up over-recovery of \$1,988,942 for 2018 discussed in Mr. Menendez's March 29, 2019, testimony filed in this docket, resulting in a net over-recovery of \$18,654,948. Documentation supporting the actual/estimated and net true-up over-recovery is contained in Commission Schedules 42-1E through 42-9E, which are provided as Exhibit No. __ (CAM-3) to Mr. Menendez's testimony of today's date. Additional cost information for specific ECRC programs are presented in the testimonies of Timothy Hill, Kim McDaniel, and Jeffrey Swartz, which also are being filed contemporaneously with this Petition.

3. The ECRC actual/estimated true-up presented in Mr. Menendez's testimony and exhibits are consistent with the provisions of Section 366.8255, Florida Statutes, and with prior rulings by the Commission.

WHEREFORE, Duke Energy Florida, LLC, respectfully requests that the Commission approve the Company's ECRC actual/estimated true-up over-recovery of \$18,654,948 for the period January 2019 through December 2019 as set forth herein and in the testimony and supporting exhibits of Mr. Menendez.

This 26th day of July, 2019.

Respectfully submitted,

/s/ Matthew R. Bernier

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CERTIFICATE OF SERVICE - Docket No. 20190007-EI

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished via electronic mail to the following this 26th day of July, 2019.

/s/ Matthew R. Bernier

Attorney

<p>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</p> <p>J. Beasley / J. Wahlen / M. Means Ausley McMullen P.O. Box 391 Tallahassee, FL 32302 jbeasley@ausley.com jwahlen@ausley.com mmeans@ausley.com</p> <p>Steven R. Griffin Beggs & Lane P.O. Box 12950 Pensacola, FL 32591 srg@beggslane.com</p> <p>Russell A. Badders Gulf Power Company One Energy Place Pensacola, FL 32520 russell.badders@nexteraenergy.com</p> <p>Holly Henderson Gulf Power Company 215 S. Monroe St., Ste. 618 Tallahassee, FL 32301 holly.henderson@nexteraenergy.com</p> <p>Jon C. Moyle, Jr. Moyle Law Firm, P.A. 118 North Gadsden Street Tallahassee, FL 32301 jmoyle@moylelaw.com mqualls@moylelaw.com</p>	<p>Maria Moncada Florida Power & Light Company 700 Universe Boulevard (LAW/JB) Juno Beach, FL 33408-0420 maria.moncada@fpl.com</p> <p>J.R. Kelly / P. Christensen / C. Rehwinkel, etc. 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</p> <p>Ms. Paula K. Brown Tampa Electric Company Regulatory Affairs P.O. Box 111 Tampa, FL 33601 regdept@tecoenergy.com</p> <p>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</p> <p>George Cavros 120 E. Oakland Park Blvd., Ste. 105 Fort Lauderdale, FL 33334 george@cavros-law.com</p> <p>Kenneth Hoffman Florida Power & Light Company 215 S. Monroe Street, Suite 810 Tallahassee, FL 32301-1858 ken.hoffman@fpl.com</p>
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DOCKET NO. 20190007-EI

DIRECT TESTIMONY OF
CHRISTOPHER A. MENENDEZ (with EXHIBITS)

ON BEHALF OF
DUKE ENERGY FLORIDA, LLC

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BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION
DIRECT TESTIMONY OF
CHRISTOPHER A. MENENDEZ
ON BEHALF OF
DUKE ENERGY FLORIDA, LLC
DOCKET NO. 20190007-EI
July 26, 2019

Q. Please state your name and business address.

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

Q. Have you previously filed testimony before this Commission in Docket No. 20190007-EI?

A. Yes, I provided direct testimony on March 29, 2019.

Q. Has your job description, education, background and professional experience changed since that time?

A. No.

Q. What is the purpose of your testimony?

A. The purpose of my testimony is to present, for Commission review and approval, Duke Energy Florida's ("DEF") actual/estimated true-up costs associated with environmental compliance activities for the period January 2019

1 through December 2019. I also explain the variance between 2019
2 actual/estimated cost projections versus original 2019 cost projections for
3 emission allowances (Project 5).

4
5 **Q. Have you prepared or caused to be prepared under your direction,
6 supervision or control any exhibits in this proceeding?**

7 A. Yes. I am sponsoring the following exhibits:

- 8 1. Exhibit No. __CAM-3, which consists of PSC Forms 42-1E through 42-
9 9E; and
- 10 2. Exhibit No. __CAM-4, which provides details of capital projects by
11 site.

12 These exhibits provide detail on DEF's actual/estimated true-up capital and
13 O&M environmental costs and revenue requirements for the period January
14 2019 through December 2019.

15
16 **Q. What is the actual/estimated true-up amount for which DEF is requesting
17 recovery for the period of January 2019 through December 2019?**

18 A. The 2019 actual/estimated true-up is an over-recovery, including interest, of
19 \$16,666,006 as shown on Form 42-1E, line 4. This amount is added to the final
20 2018 true-up over-recovery of \$1,988,942 as shown on Form 42-2E, Line 7a,
21 resulting in a net over-recovery of \$18,654,948 as shown on Form 42-2E, Line
22 11. The calculations supporting the 2019 actual/estimated true-up are on Forms
23 42-1E through 42-8E.

1 **Q. What capital structure, components and cost rates did DEF rely on to**
2 **calculate the revenue requirement rate of return for the period January**
3 **2019 through December 2019?**

4 A. The capital structure, components and cost rates relied on to calculate the
5 revenue requirement rate of return for the period January 2019 through
6 December 2019 are shown on Form 42-9E. This form includes the derivation of
7 debt and equity components used in the Return on Average Net Investment,
8 lines 7 (a) and (b), on Form 42-8E. Form 42-9E also cites the source and
9 includes the rationale for using the particular capital structure and cost rates.

10

11 **Q. How do actual/estimated O&M expenditures for January 2019 through**
12 **December 2019 compare with original projections?**

13 A. Form 42-4E shows that total O&M project costs are estimated to be \$13,971,187
14 or 34% lower than originally projected. This form also lists individual O&M
15 project variances. Explanations for these variances are included in the direct
16 testimonies of Timothy Hill, Kim McDaniel, and Jeffrey Swartz.

17

18 **Q. How do estimated/actual capital recoverable costs for January 2019**
19 **through December 2019 compare with DEF's original projections?**

20 A. Form 42-6E shows that total recoverable capital costs are estimated to be
21 \$256,226 or 1% higher than originally projected. This form also lists individual
22 project variances. The return on investment, depreciation expense and property
23 taxes for each project for the actual/estimated period are provided on Form 42-

1 8E, pages 1 through 18. Explanations for these variances are included in the
2 direct testimonies of Mr. Hill, Ms. McDaniel, and Mr. Swartz.

3

4 **Q. Please explain the O&M variance between actual project expenditures and**
5 **the Actual/Estimated projections for the SO₂/NO_x Emissions Allowance**
6 **(Project 5).**

7 A. The O&M variance is \$4,423 or 22% lower than projected due to lower than
8 projected SO₂ allowance expense.

9

10 **Q. Does this conclude your testimony?**

11 A. Yes.

Docket No. 20190007-EI

Duke Energy Florida

Witness: C. A. Menendez

Exh. No. __ (CAM-3)

Page 1 of 27

**DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Commission Forms 42-1E Through 42-9E**

**January 2019 - December 2019
Calculation for the Current Period Actual / Estimated Amount
Actuals for the Period January 2019 - June 2019
Estimates for the Period July 2019 - December 2019**

Docket No. 20190007-EI

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2019 - December 2019
(in Dollars)

Form 42-1E

Docket No. 20190007-EI
Duke Energy Florida
Witness: C. A. Menendez
Exh. No. __ (CAM-3)
Page 2 of 27

<u>Line</u>	<u>Period Amount</u>
1 Over/(Under) Recovery for the Period (Form 42-2E, Line 5)	\$ 16,350,783
2 Interest Provision (Form 42-2E, Line 6)	315,223
3 Sum of Current Period Adjustments (Form 42-2E, Line 10)	<u>0</u>
4 Final True-Up Amount to be Refunded/(Recovered) in the Projection Period January 2019 to December 2019 (Lines 1 + 2 + 3)	<u>\$ 16,666,006</u>

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2019 - December 2019

Form 42-2E

Docket No. 20190007-EI
Duke Energy Florida
Witness: C. A. Menendez
Exh. No. ___ (CAM-3)
Page 3 of 27

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

Line	Description	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	End of Period Total
1	ECRC Revenues (net of Revenue Taxes)	\$3,815,052	\$3,854,689	\$3,938,619	\$4,104,582	\$4,513,384	\$5,409,150	\$5,946,856	\$5,972,701	\$6,048,990	\$5,533,383	\$4,542,215	\$4,329,600	\$58,009,220
2	True-Up Provision (Order No. PSC-2018-0594-FOF-EI)	9,258,985	771,582	771,582	771,582	771,582	771,582	771,582	771,582	771,582	771,582	771,582	771,582	9,258,985
3	ECRC Revenues Applicable to Period (Lines 1 + 2)	\$4,586,634	4,626,271	4,710,201	4,876,164	5,284,966	6,180,732	6,718,438	6,744,283	6,820,572	6,304,965	5,313,797	5,101,182	67,268,205
4	Jurisdictional ECRC Costs													
	a. O & M Activities (Form 42-5E, Line 9)	\$1,866,306	1,405,024	3,060,780	2,625,102	1,945,487	2,069,398	2,279,074	2,123,504	2,228,789	2,040,053	1,990,521	1,822,108	25,456,146
	b. Capital Investment Projects (Form 42-7E, Line 9)	2,086,990	2,196,483	2,195,214	2,150,764	2,129,801	2,132,027	2,086,588	2,098,240	2,081,815	2,081,631	2,118,685	2,103,039	25,461,276
	c. Other	0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Total Jurisdictional ECRC Costs	\$3,953,296	\$3,601,507	\$5,255,994	\$4,775,866	\$4,075,288	\$4,201,425	\$4,365,662	\$4,221,744	\$4,310,604	\$4,121,684	\$4,109,206	\$3,925,147	\$50,917,422
5	Over/(Under) Recovery (Line 3 - Line 4d)	\$633,338	1,024,765	(545,792)	100,298	1,209,678	1,979,307	2,352,775	2,522,539	2,509,968	2,183,281	1,204,591	1,176,035	\$16,350,783
6	Interest Provision (Form 42-3E, Line 10)	22,469	22,630	21,929	20,043	19,457	20,940	23,757	27,120	30,645	33,841	35,744	36,648	315,223
7	Beginning Balance True-Up & Interest Provision	9,258,985	9,143,210	9,419,022	8,123,577	7,472,336	7,929,889	9,158,553	10,763,504	12,541,581	14,310,612	15,756,152	16,224,905	9,258,985
	a. Deferred True-Up - January 2018 to December 2018 (2018 TU filing dated March 29, 2019)	1,988,942	1,988,942	1,988,942	1,988,942	1,988,942	1,988,942	1,988,942	1,988,942	1,988,942	1,988,942	1,988,942	1,988,942	1,988,942
8	True-Up Collected/(Refunded) (Line 2)	(771,582)	(771,582)	(771,582)	(771,582)	(771,582)	(771,582)	(771,582)	(771,582)	(771,582)	(771,582)	(771,582)	(771,582)	(9,258,985)
9	End of Period Total True-Up (Lines 5+6+7+7a+8)	\$11,132,152	\$11,407,964	\$10,112,519	\$9,461,278	\$9,918,831	\$11,147,495	\$12,752,446	\$14,530,523	\$16,299,554	\$17,745,094	\$18,213,847	\$18,654,948	\$18,654,948
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)	\$11,132,152	\$11,407,964	\$10,112,519	\$9,461,278	\$9,918,831	\$11,147,495	\$12,752,446	\$14,530,523	\$16,299,554	\$17,745,094	\$18,213,847	\$18,654,948	\$18,654,948

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2019 - December 2019

Form 42-3E

Docket No. 20190007-EI
Duke Energy Florida
Witness: C. A. Menendez
Exh. No. ___ (CAM-3)
Page 4 of 27

Interest Provision
(in Dollars)

Line	Description	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	End of Period Total
1	Beginning True-Up Amount (Form 42-2E, Lines 7 + 7a + 10)	\$11,247,927	\$11,132,152	\$11,407,964	\$10,112,519	\$9,461,278	\$9,918,831	\$11,147,495	\$12,752,446	\$14,530,523	\$16,299,554	\$17,745,094	\$18,213,847	
2	Ending True-Up Amount Before Interest (Line 1 + Form 42-2E, Lines 5 + 8)	11,109,683	11,385,334	10,090,590	9,441,235	9,899,374	11,126,555	12,728,689	14,503,403	16,268,909	17,711,253	18,178,103	18,618,300	
3	Total of Beginning & Ending True-Up (Lines 1 + 2)	22,357,610	22,517,486	21,498,554	19,553,753	19,360,651	21,045,386	23,876,184	27,255,849	30,799,432	34,010,807	35,923,196	36,832,146	
4	Average True-Up Amount (Line 3 x 1/2)	11,178,805	11,258,743	10,749,277	9,776,877	9,680,326	10,522,693	11,938,092	13,627,925	15,399,716	17,005,404	17,961,598	18,416,073	
5	Interest Rate (Last Business Day of Prior Month)	2.42%	2.41%	2.41%	2.48%	2.43%	2.39%	2.39%	2.39%	2.39%	2.39%	2.39%	2.39%	
6	Interest Rate (Last Business Day of Current Month)	2.41%	2.41%	2.48%	2.43%	2.39%	2.39%	2.39%	2.39%	2.39%	2.39%	2.39%	2.39%	
7	Total of Beginning & Ending Interest Rates (Lines 5 + 6)	4.83%	4.82%	4.89%	4.91%	4.82%	4.78%	4.78%	4.78%	4.78%	4.78%	4.78%	4.78%	
8	Average Interest Rate (Line 7 x 1/2)	2.415%	2.410%	2.445%	2.455%	2.410%	2.390%	2.390%	2.390%	2.390%	2.390%	2.390%	2.390%	
9	Monthly Average Interest Rate (Line 8 x 1/12)	0.201%	0.201%	0.204%	0.205%	0.201%	0.199%	0.199%	0.199%	0.199%	0.199%	0.199%	0.199%	
10	Interest Provision for the Month (Line 4 x Line 9)	\$22,469	\$22,630	\$21,929	\$20,043	\$19,457	\$20,940	\$23,757	\$27,120	\$30,645	\$33,841	\$35,744	\$36,648	315,223

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2019 - December 2019

Form 42-4E

Docket No. 20190007-EI
Duke Energy Florida
Witness: C. A. Menendez
Exh. No. __ (CAM-3)
Page 5 of 27

Variance Report of O&M Activities
(In Dollars)

Line	Description	(1) Actual / Estimated	(2) Projection Filing	(3) Variance Amount	(4) Percent
1	O&M Activities - System				
1	Transmission Substation Environmental Investigation, Remediation and Pollution Prevention	\$618,709	\$408,504	\$210,205	51%
1a	Distribution Substation Environmental Investigation, Remediation and Pollution Prevention	12,053	0	12,053	100%
2	Distribution System Environmental Investigation, Remediation and Pollution Prevention	7,500	8,000	(500)	-6%
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	16,059	20,482	(4,423)	-22%
6	Phase II Cooling Water Intake 316(b) - Base	326,355	160,200	166,155	104%
6 a	Phase II Cooling Water Intake 316(b) - Intm	390,922	138,600	252,322	182%
7 2	CAIR/CAMR - Peaking	0	0	0	0%
7.4	CAIR/CAMR Crystal River - Base	14,706,826	15,642,100	(935,274)	-6%
7.4	CAIR/CAMR Crystal River - Energy	8,070,700	17,127,387	(9,056,687)	-53%
7.4	CAIR/CAMR Crystal River - A&G	88,186	125,297	(37,111)	-30%
7.4	CAIR/CAMR Crystal River - Conditions of Certification - Energy	924,619	2,900,394	(1,975,775)	-68%
7 5	Best Available Retrofit Technology (BART) - Energy	0	0	0	0%
8	Arsenic Groundwater Standard - Base	150,000	150,000	0	0%
9	Sea Turtle - Coastal Street Lighting - Distrib	(47,974)	350	(48,324)	-13807%
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	0	0	0%
16	National Pollutant Discharge Elimination System (NPDES) - Energy	26,374	25,600	774	3%
17	Mercury & Air Toxic Standards (MATS) CR4 & CR5 - Energy	162,841	598,000	(435,159)	-73%
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	45,152	60,000	(14,848)	-25%
18	Coal Combustion Residual (CCR) Rule - Energy	2,022,617	4,127,212	(2,104,595)	-51%
2	Total O&M Activities - Recoverable Costs	\$27,520,938	\$41,492,125	(\$13,971,187)	-34%
3	Recoverable Costs Allocated to Energy	11,268,361	24,859,075	(13,590,713)	-55%
4	Recoverable Costs Allocated to Demand	\$16,252,577	\$16,633,050	(\$380,473)	-2%

Notes:

Column (1) End of Period Totals on Form 42-5E
Column (2) 2019 Projection Filing Form 42-2P
Column (3) = Column (1) - Column (2)
Column (4) = Column (3) / Column (2)

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2019 - December 2019

Form 42-5E

Docket No. 20190007-EI
 Duke Energy Florida
 Witness: C. A. Menendez
 Exh. No. ___ (CAM-3)
 Page 6 of 27

O&M Activities
(in Dollars)

Line	Description	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	End of Period Total
1	O&M Activities - System													
1	Transmission Substation Environmental Investigation, Remediation, and Pollution Prevention	\$15,946	\$158,436	\$250,680	\$41,115	\$118,533	\$9,507	\$24,492	\$0	\$0	\$0	\$0	\$0	\$618,709
1a	Distribution Substation Environmental Investigation, Remediation, and Pollution Prevention	(7,714)	2,536	10,402	2,262	2,412	2,156	0	0	0	0	0	0	12,053
2	Distribution System Environmental Investigation, Remediation, and Pollution Prevention	0	0	0	0	0	6,755	745	0	0	0	0	0	7,500
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	1,965	729	0	116	914	1,046	1,968	2,035	1,932	1,798	1,937	1,618	16,059
6	Phase II Cooling Water Intake 316(b) - Base	13,731	28,160	26,572	23,280	2,724	47,199	10,773	57,972	0	57,972	0	57,972	326,355
6a	Phase II Cooling Water Intake 316(b) - Intm	3,372	46,388	0	24,895	103,742	(47,199)	100,330	53,131	0	53,131	0	53,131	390,922
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	1,204,590	1,302,839	2,257,606	1,719,390	960,939	939,462	1,016,000	1,016,000	1,260,000	1,010,000	1,010,000	1,010,000	14,706,826
7.4	CAIR/CAMR Crystal River - Energy	505,618	68,407	573,674	535,668	499,090	771,637	1,139,418	887,140	823,030	820,325	852,459	594,234	8,070,700
7.4	CAIR/CAMR Crystal River - A&G	6,860	7,229	8,724	7,013	7,034	7,233	7,349	7,349	7,349	7,349	7,349	7,349	88,186
7.4	CAIR/CAMR Crystal River - Conditions of Certification - Energy	0	64,404	11,738	78,832	76,671	92,974	100,000	100,000	100,000	100,000	100,000	100,000	924,619
7.5	Best Available Retrofit Technology (BART) - Energy	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Arsenic Groundwater Standard - Base	0	13,525	35,032	4,949	5,029	13,359	17,129	0	30,488	0	0	30,489	150,000
9	Sea Turtle - Coastal Street Lighting - Distrib	0	0	0	0	0	0	(47,974)	0	0	0	0	0	(47,974)
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 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	0	2,135	3,339	0	1,800	5,100	9,500	4,500	0	0	26,374
17	Mercury & Air Toxic Standards (MATS) CR4 & CR5 - Energy	0	0	0	1,841	0	0	30,000	31,000	25,000	25,000	25,000	25,000	162,841
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	(12)	0	0	45,164	0	0	0	0	0	0	0	0	45,152
18	Coal Combustion Residual (CCR) Rule - Energy	245,538	(131,514)	159,158	326,069	354,854	361,379	100,394	148,212	137,766	125,555	115,065	80,143	2,022,617
2	Total O&M Activities - Recoverable Costs	\$1,989,895	\$1,561,138	\$3,333,586	\$2,812,727	\$2,135,282	\$2,205,508	\$2,502,425	\$2,307,939	\$2,395,065	\$2,205,630	\$2,111,810	\$1,959,935	\$27,520,938
3	Recoverable Costs Allocated to Energy	753,109	2,026	744,570	989,824	934,868	1,227,036	1,373,580	1,173,487	1,097,228	1,077,178	1,094,461	800,994	11,268,361
4	Recoverable Costs Allocated to Demand - Transm	15,946	158,436	250,680	41,115	118,533	9,507	24,492	0	0	0	0	0	618,709
	Recoverable Costs Allocated to Demand - Distrib	(7,714)	2,536	10,402	2,262	2,412	8,911	(47,229)	0	0	0	0	0	(28,420)
	Recoverable Costs Allocated to Demand - Prod-Base	1,218,321	1,344,524	2,319,210	1,747,618	968,693	1,000,020	1,043,902	1,073,972	1,290,488	1,067,972	1,010,000	1,098,461	15,183,181
	Recoverable Costs Allocated to Demand - Prod-Intm	3,372	46,388	0	24,895	103,742	(47,199)	100,330	53,131	0	53,131	0	53,131	390,922
	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	6,860	7,229	8,724	7,013	7,034	7,233	7,349	7,349	7,349	7,349	7,349	7,349	88,186
5	Retail Energy Jurisdictional Factor	0.95910	0.96140	0.95640	0.95580	0.93930	0.93930	0.91693	0.92073	0.93259	0.93075	0.95529	0.94423	
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	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	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	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	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	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	0.93221
7	Jurisdictional Energy Recoverable Costs (A)	722,307	1,947	712,107	946,074	878,121	1,152,555	1,259,479	1,080,466	1,023,268	1,002,588	1,045,531	756,324	10,580,767
8	Jurisdictional Demand Recoverable Costs - Transm (B)	11,195	111,227	175,985	28,864	83,214	6,674	17,194	0	0	0	0	0	434,353
	Jurisdictional Demand Recoverable Costs - Distrib (B)	(7,680)	2,525	10,357	2,252	2,401	8,872	(47,021)	0	0	0	0	0	(28,294)
	Jurisdictional Demand Recoverable Costs - Prod-Base (B)	1,131,637	1,248,861	2,154,198	1,623,275	899,770	928,869	969,628	997,559	1,198,670	991,986	938,139	1,020,305	14,102,897
	Jurisdictional Demand Recoverable Costs - Prod-Intm (B)	2,452	33,725	0	18,099	75,424	(34,315)	72,943	38,628	0	38,628	0	38,628	284,212
	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)	6,395	6,739	8,133	6,538	6,557	6,743	6,851	6,851	6,851	6,851	6,851	6,851	82,211
9	Total Jurisdictional Recoverable Costs - O&M Activities (Lines 7 + 8)	\$1,866,306	\$1,405,024	\$3,060,780	\$2,625,102	\$1,945,487	\$2,069,398	\$2,279,074	\$2,123,504	\$2,228,789	\$2,040,053	\$1,990,521	\$1,822,108	\$25,456,146

Notes

- (A) Line 3 x Line 5
- (B) Line 4 x Line 6

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2019 - December 2019

Form 42-6E

Docket No. 20190007-EI
Duke Energy Florida
Witness: C. A. Menendez
Exh. No. ___ (CAM-3)
Page 7 of 27

Variance Report of Capital Investment Activities
(in Dollars)

Line	Description	(1) Actual / Estimated	(2) Projection Filing	(3) Variance Amount	(4) Percent
1	Capital Investment Activities - System				
3.1	Pipeline Integrity Management - Bartow/Anclote Pipeline	\$410,598	\$410,604	(\$6)	0%
4.x	Above Ground Tank Secondary Containment	1,260,408	1,264,836	(4,428)	0%
5	SO2/NOx Emissions Allowances	251,663	253,241	(1,578)	-1%
6	Phase II Cooling Water Intake 316(b) - Base	244,199	195,009	49,190	25%
7.x	CAIR/CAMR	8,162,591	7,840,193	322,398	4%
9	Sea Turtle - Coastal Street Lighting	1,053	1,119	(66)	-6%
10.x	Underground Storage Tanks	21,192	21,285	(93)	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)	88,881	112,434	(23,553)	-21%
16	National Pollutant Discharge Elimination System (NPDES)	1,405,468	1,411,345	(5,877)	0%
17x	Mercury & Air Toxics Standards (MATS)	15,645,294	15,721,883	(76,589)	0%
18	Coal Combustion Residual (CCR) Rule	43,974	47,146	(3,172)	-7%
2	Total Capital Investment Activities - Recoverable Costs	\$27,535,321	\$27,279,095	\$256,226	1%
3	Recoverable Costs Allocated to Energy	\$15,986,748	\$16,067,235	(\$80,487)	-1%
4	Recoverable Costs Allocated to Demand	\$11,548,573	\$11,211,860	\$336,713	3%

Notes:

Column (1) End of Period Totals on Form 42-7E
Column (2) 2019 Projection Filing Form 42-3P
Column (3) = Column (1) - Column (2)
Column (4) = Column (3) / Column (2)

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2019 - December 2019

Form 42-7E

Docket No. 20190007-EI
 Duke Energy Florida
 Witness: C. A. Menendez
 Exh. No. ___ (CAM-3)
 Page 8 of 27

Capital Investment Projects-Recoverable Costs
(in Dollars)

Line	Description	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	End of Period Total
1	Investment Projects - System (A)													
3.1	Pipeline Integrity Management - Bartow/Anclote Pipeline - Intermediate	\$52,469	\$52,142	\$51,814	\$51,489	\$51,162	\$50,834	50,501	\$50,186	\$0	\$0	\$0	\$0	\$410,598
4.1	Above Ground Tank Secondary Containment - Peaking	120,367	119,886	119,416	73,364	73,181	72,998	72,315	72,133	71,952	71,772	71,593	71,409	1,010,386
4.2	Above Ground Tank Secondary Containment - Base	18,968	18,948	18,929	18,909	18,890	18,869	18,839	18,620	18,601	18,581	18,561	18,541	225,056
4.3	Above Ground Tank Secondary Containment - Intermediate	2,109	2,105	2,102	2,098	2,095	2,091	2,070	2,066	2,063	2,059	2,056	2,052	24,966
5	SO ₂ /NO _x Emissions Allowances - Energy	21,152	21,144	21,141	21,140	21,137	21,130	20,834	20,822	20,809	20,796	20,784	20,774	253,663
6	Phase II Cooling Water Intake 316(b) - Base	8,812	9,254	10,288	11,385	12,362	13,565	18,447	25,704	30,277	32,964	34,852	36,289	244,199
7.1	CAIR/CAMR Anclote- Intermediate	0	0	0	0	0	0	0	0	0	0	0	0	0
7.2	CAIR/CAMR - Peaking	16,902	16,857	16,814	13,556	13,535	13,512	13,370	13,347	13,326	13,304	13,284	13,261	171,067
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	538,216	656,077	663,954	669,131	671,366	674,686	670,674	672,058	672,045	671,612	671,174	670,740	7,901,733
7.4	CAIR/CAMR Crystal River AFUDC - Energy	8,456	7,874	7,885	7,944	8,701	9,351	7,692	6,377	6,377	6,377	6,377	6,377	89,791
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	88	87	87	87	87	87	86	88	89	89	89	89	1,053
10.1	Underground Storage Tanks - Base	1,220	1,217	1,216	1,214	1,211	1,210	1,197	1,195	1,193	1,191	1,189	1,188	14,441
10.2	Underground Storage Tanks - Intermediate	571	571	570	568	567	566	560	558	557	556	554	553	6,751
11	Modular Cooling Towers - Base	0	0	0	0	0	0	0	0	0	0	0	0	0
11.1	Crystal River Thermal Discharge Compliance Project - Base (Post 2012)	0	0	0	0	0	0	0	0	0	0	0	0	0
11.1	Crystal River Thermal Discharge Compliance Project - Base (2012)	0	0	0	0	0	0	0	0	0	0	0	0	0
15.1	Effluent Limitation Guidelines CRN (ELG) - Base	2,837	2,848	2,966	3,184	3,307	3,319	4,440	6,942	9,594	12,248	18,427	18,769	88,881
16	National Pollutant Discharge Elimination System (NPDES) - Intermediate	118,882	118,649	118,416	118,183	117,950	117,717	116,520	116,290	116,060	115,830	115,601	115,370	1,405,468
17	Mercury & Air Toxic Standards (MATS) CR4 & CR5 - Energy	28,856	28,814	28,770	28,728	28,684	28,642	28,299	28,257	28,215	28,173	28,130	28,087	341,659
17.1	Mercury & Air Toxic Standards (MATS) Anclote Gas Conversion - Energy	1,101,605	1,100,021	1,098,438	1,096,854	1,095,269	1,093,684	1,081,683	1,080,121	1,078,558	1,076,996	1,075,433	1,073,870	13,052,526
17.2	Mercury & Air Toxic Standards (MATS) CR1 & CR2 - Energy	190,948	190,492	190,033	189,575	189,119	188,664	186,506	186,055	185,604	185,153	184,703	184,252	2,251,109
18	Coal Combustion Residual (CCR) Rule - Base	3,713	3,707	3,702	3,696	3,691	3,686	3,642	3,638	3,633	3,627	3,622	3,617	43,974
2	Total Investment Projects - Recoverable Costs	\$2,236,171	\$2,350,694	\$2,356,541	\$2,311,106	\$2,312,315	\$2,314,612	\$2,297,475	\$2,304,457	\$2,258,954	\$2,261,329	\$2,266,430	\$2,265,239	\$27,535,321
3	Recoverable Costs Allocated to Energy	1,351,017	1,348,346	1,346,267	1,344,242	1,342,911	1,341,472	1,325,014	1,321,633	1,319,564	1,317,496	1,315,428	1,313,361	15,986,748
	Recoverable Costs Allocated to Distribution Demand	88	87	87	87	87	87	86	88	89	89	89	89	1,053
4	Recoverable Costs Allocated to Demand - Production - Base	573,766	692,051	701,055	707,519	710,827	715,335	717,039	728,157	735,343	740,223	747,825	749,144	8,518,284
	Recoverable Costs Allocated to Demand - Production - Intermediate	174,031	173,467	172,902	172,338	171,774	171,208	169,651	169,100	118,680	118,445	118,211	117,975	1,847,783
	Recoverable Costs Allocated to Demand - Production - Peaking	137,269	136,743	136,230	86,920	86,716	86,510	85,685	85,480	85,278	85,076	84,877	84,670	1,181,453
5	Retail Energy Jurisdictional Factor	0.95910	0.96140	0.95640	0.95580	0.93930	0.93930	0.91693	0.92073	0.93259	0.93075	0.95529	0.94423	
	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)	1,295,760	1,296,300	1,287,570	1,284,826	1,261,396	1,260,044	1,214,947	1,216,868	1,230,617	1,226,265	1,256,619	1,240,118	15,071,329
	Jurisdictional Demand Recoverable Costs - Distribution (B)	88	87	87	87	87	87	86	88	89	89	89	89	1,048
8	Jurisdictional Demand Recoverable Costs - Production - Base (C)	532,943	642,812	651,175	657,179	660,252	664,439	666,022	676,349	683,023	687,556	694,617	695,842	7,912,208
	Jurisdictional Demand Recoverable Costs - Production - Intermediate (C)	126,526	126,116	125,705	125,295	124,885	124,473	123,341	122,940	86,284	86,113	85,943	85,771	1,343,393
	Jurisdictional Demand Recoverable Costs - Production - Peaking (C)	131,674	131,169	130,677	83,377	83,181	82,984	82,192	81,996	81,802	81,608	81,417	81,219	1,133,297
9	Total Jurisdictional Recoverable Costs - Investment Projects (Lines 7 + 8)	\$2,086,990	\$2,196,483	\$2,195,214	\$2,150,764	\$2,129,801	\$2,132,027	\$2,086,588	\$2,098,240	\$2,081,815	\$2,081,631	\$2,118,685	\$2,103,039	\$25,461,276

Notes

- (A) Each project's Total System Recoverable Expenses on Form 42-8E, Line 9; Form 42-8E, 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
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2019 - December 2019

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

Line	Description	Beginning of Period Amount	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0
	c. Retirements		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
2	Plant-in-Service/Depreciation Base	\$0	\$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	0
3a	Regulatory Asset Balance (G)	400,142	350,125	300,108	250,091	200,074	150,057	100,040	50,024	0	(0)	0	(0)	(0)	(0)
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Net Investment (Lines 2 + 3 + 4)	\$400,142	\$350,125	\$300,108	\$250,091	\$200,074	\$150,057	\$100,041	\$50,024	\$0	\$0	\$0	\$0	\$0	\$0
6	Average Net Investment		\$375,134	\$325,117	\$275,100	\$225,083	\$175,066	\$125,049	\$75,032	\$25,012	\$0	\$0	\$0	\$0	\$0
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec												
	a. Debt Component	2.09%	1.97%	652	566	478	392	305	217	123	41	0	0	0	2,774
	b. Equity Component Grossed Up For Taxes	5.75%	5.77%	1,800	1,559	1,319	1,080	840	600	361	121	0	0	0	7,680
	c. Other			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	50,024	50,024	0	0	0	0	400,144
	c. Dismantlement		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)		\$52,469	\$52,142	\$51,814	\$51,489	\$51,162	\$50,834	\$50,501	\$50,186	\$0	\$0	\$0	\$0	410,598
	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		52,469	52,142	51,814	51,489	51,162	50,834	50,501	50,186	0	0	0	0	410,598
10	Energy Jurisdictional Factor		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	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)		38,147	37,909	37,670	37,434	37,196	36,958	36,716	36,486	0	0	0	0	298,517
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$38,147	\$37,909	\$37,670	\$37,434	\$37,196	\$36,958	\$36,716	\$36,486	\$0	\$0	\$0	\$0	\$298,517

Notes:

- (A) N/A
- (B) Jan - Jun 2019 Line 6 x 7.84% x 1/12. Jul - Dec 2019 Line 6 x 7.74% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.30% (Jan-Jun) and 4.31% (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 in-service. 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 Pipeline Integrity Management section of Capital Program Detail file only on assets in-service. Calculated on that schedule as Line 2 x rate x 1/12. Based on 2018 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 amortized over three years as approved in Order No. PSC-2016-0535-FOF-EI. Project 3.1a amortized over 26 months as approved in Order PSC-2018-0014-FOF-EI.

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2019 - December 2019

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-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0	
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base (A)	\$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	\$9,235,204	
3	Less: Accumulated Depreciation	(3,410,659)	(3,438,728)	(3,466,797)	(3,494,866)	(3,522,935)	(3,551,004)	(3,579,073)	(3,607,142)	(3,635,211)	(3,663,280)	(3,691,349)	(3,719,418)	(3,747,487)		
3a	Regulatory Asset Balance (G)	137,132	91,425	45,718	0	0	0	0	0	0	0	0	0	0	0	
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)	\$5,961,677	\$5,887,901	\$5,814,125	\$5,740,338	\$5,712,269	\$5,684,200	\$5,656,131	\$5,628,062	\$5,599,993	\$5,571,924	\$5,543,855	\$5,515,786	\$5,487,717		
6	Average Net Investment		\$5,924,789	\$5,851,013	\$5,777,231	\$5,726,303	\$5,698,234	\$5,670,165	\$5,642,096	\$5,614,027	\$5,585,958	\$5,557,889	\$5,529,820	\$5,501,751		
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec													
	a. Debt Component	2.09%	1.97%	10,303	10,175	10,047	9,959	9,909	9,861	9,247	9,201	9,155	9,108	9,064	9,017	115,046
	b. Equity Component Grossed Up For Taxes	5.75%	5.77%	28,412	28,059	27,706	27,460	27,327	27,192	27,123	26,987	26,852	26,719	26,584	26,447	326,868
	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	45,718	0	0	0	0	0	0	0	0	0	137,132	
	c. Dismantlement		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)		\$120,367	\$119,886	\$119,416	\$73,364	\$73,181	\$72,998	\$72,315	\$72,133	\$71,952	\$71,772	\$71,593	\$71,409	1,010,386	
	a. Recoverable Costs Allocated to Energy		0	0	0	0	0	0	0	0	0	0	0	0	0	
	b. Recoverable Costs Allocated to Demand		120,367	119,886	119,416	73,364	73,181	72,998	72,315	72,133	71,952	71,772	71,593	71,409	1,010,386	
10	Energy Jurisdictional Factor		N/A	N/A	N/A	N/A	N/A	N/A	N/A							
11	Demand Jurisdictional Factor - Production (Peaking)		0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	
12	Retail Energy-Related Recoverable Costs (E)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
13	Retail Demand-Related Recoverable Costs (F)		115,461	114,999	114,549	70,374	70,198	70,023	69,367	69,193	69,019	68,847	68,675	68,498	969,203	
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$115,461	\$114,999	\$114,549	\$70,374	\$70,198	\$70,023	\$69,367	\$69,193	\$69,019	\$68,847	\$68,675	\$68,498	\$969,203	

Notes:

- (A) N/A
- (B) Jan - Jun 2019 Line 6 x 7.84% x 1/12. Jul - Dec 2019 Line 6 x 7.74% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.30% (Jan-Jun) and 4.31% (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 in-service. 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 in-service. Calculated on that schedule as Line 2 x rate x 1/12. Based on 2018 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
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2019 - December 2019

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

Line	Description	Beginning of Period Amount	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0	
	c. Retirements		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	
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	2,399,039	
3	Less: Accumulated Depreciation	(\$9,151)	(12,183)	(15,215)	(18,247)	(21,279)	(24,311)	(27,343)	(30,375)	(33,407)	(36,439)	(39,471)	(42,503)	(45,535)		
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)	\$2,389,888	\$2,386,856	\$2,383,824	\$2,380,792	\$2,377,760	\$2,374,728	\$2,371,696	\$2,368,664	\$2,365,632	\$2,362,600	\$2,359,568	\$2,356,536	\$2,353,504		
6	Average Net Investment		\$2,388,372	\$2,385,340	\$2,382,308	\$2,379,276	\$2,376,244	\$2,373,212	\$2,370,180	\$2,367,148	\$2,364,116	\$2,361,084	\$2,358,052	\$2,355,020		
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec													
	a. Debt Component	2.09%	1.97%	4,153	4,148	4,143	4,138	4,133	4,127	3,884	3,880	3,875	3,870	3,864	3,859	48,074
	b. Equity Component Grossed Up For Taxes	5.75%	5.77%	11,454	11,439	11,425	11,410	11,396	11,381	11,394	11,379	11,365	11,350	11,336	11,321	136,650
	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							
	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)		\$18,968	\$18,948	\$18,929	\$18,909	\$18,890	\$18,869	\$18,639	\$18,620	\$18,601	\$18,581	\$18,561	\$18,541	225,056	
	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		18,968	18,948	18,929	18,909	18,890	18,869	18,639	18,620	18,601	18,581	18,561	18,541	225,056	
10	Energy Jurisdictional Factor		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)		17,618	17,600	17,582	17,564	17,546	17,526	17,313	17,295	17,278	17,259	17,240	17,222	209,043	
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$17,618	\$17,600	\$17,582	\$17,564	\$17,546	\$17,526	\$17,313	\$17,295	\$17,278	\$17,259	\$17,240	\$17,222	\$209,043	

Notes:

- (A) N/A
- (B) Jan - Jun 2019 Line 6 x 7.84% x 1/12. Jul - Dec 2019 Line 6 x 7.74% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.30% (Jan-Jun) and 4.31% (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 in-service. 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 in-service. Calculated on that schedule as Line 2 x rate x 1/12. Based on 2018 Effective Tax Rate on original cost.
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2019 - December 2019

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

Line	Description	Beginning of Period	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0	
	c. Retirements		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	
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	(79,086)	(79,611)	(80,136)	(80,661)	(81,186)	(81,711)	(82,236)	(82,761)	(83,286)	(83,811)	(84,336)	(84,861)	(85,386)		
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)	\$211,211	\$210,686	\$210,161	\$209,636	\$209,111	\$208,586	\$208,061	\$207,536	\$207,011	\$206,486	\$205,961	\$205,436	\$204,911		
6	Average Net Investment		\$210,949	\$210,424	\$209,899	\$209,374	\$208,849	\$208,324	\$207,799	\$207,274	\$206,749	\$206,224	\$205,699	\$205,174		
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec													
	a. Debt Component	2.09%	1.97%	367	366	365	364	363	362	341	340	339	338	337	336	4,218
	b. Equity Component Grossed Up For Taxes	5.75%	5.77%	1,012	1,009	1,007	1,004	1,002	999	999	996	994	991	989	986	11,988
	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							
	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)		\$2,109	\$2,105	\$2,102	\$2,098	\$2,095	\$2,091	\$2,070	\$2,066	\$2,063	\$2,059	\$2,056	\$2,052	24,966	
	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		2,109	2,105	2,102	2,098	2,095	2,091	2,070	2,066	2,063	2,059	2,056	2,052	24,966	
10	Energy Jurisdictional Factor		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)		1,533	1,530	1,528	1,525	1,523	1,520	1,505	1,502	1,500	1,497	1,495	1,492	18,151	
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$1,533	\$1,530	\$1,528	\$1,525	\$1,523	\$1,520	\$1,505	\$1,502	\$1,500	\$1,497	\$1,495	\$1,492	\$18,151	

Notes:

- (A) N/A
- (B) Jan - Jun 2019 Line 6 x 7.84% x 1/12. Jul - Dec 2019 Line 6 x 7.74% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.30% (Jan-Jun) and 4.31% (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 in-service. 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 in-service. Calculated on that schedule as Line 2 x rate x 1/12. Based on 2018 Effective Tax Rate on original cost.
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2019 - December 2019

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

Line	Description	Beginning of Period	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	End of Period Total	
1	Working Capital Dr (Cr)															
	a. 0158150 SO ₂ Emission Allowance Inventory	\$3,237,649	\$3,235,988	\$3,235,258	\$3,235,258	\$3,235,143	\$3,234,097	\$3,233,051	\$3,231,082	\$3,229,047	\$3,227,115	\$3,225,317	\$3,223,380	\$3,221,762	\$3,221,762	
	b. 0254020 Auctioned SO ₂ Allowance	304	0	0	0	(132)	0	0	0	0	0	0	0	0	0	
	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	<u>\$3,237,953</u>	<u>\$3,235,988</u>	<u>\$3,235,258</u>	<u>\$3,235,258</u>	<u>\$3,235,011</u>	<u>\$3,234,097</u>	<u>\$3,233,051</u>	<u>\$3,231,082</u>	<u>\$3,229,047</u>	<u>\$3,227,115</u>	<u>\$3,225,317</u>	<u>\$3,223,380</u>	<u>\$3,221,762</u>	<u>\$3,221,762</u>	
3	Average Net Investment		\$3,236,970	\$3,235,623	\$3,235,258	\$3,235,135	\$3,234,554	\$3,233,574	\$3,232,067	\$3,230,065	\$3,228,081	\$3,226,216	\$3,224,349	\$3,222,571		
4	Return on Average Net Working Capital Balance (B)	Jan-Jun	Jul-Dec													
	a. Debt Component	2.09%	1.97%	5,629	5,627	5,626	5,626	5,625	5,623	5,297	5,294	5,291	5,287	5,284	5,282	65,491
	b. Equity Component Grossed Up For Taxes	5.75%	5.77%	15,523	15,517	15,515	15,514	15,512	15,507	15,537	15,528	15,518	15,509	15,500	15,492	186,172
5	Total Return Component (C)			<u>\$21,152</u>	<u>\$21,144</u>	<u>\$21,141</u>	<u>\$21,140</u>	<u>\$21,137</u>	<u>\$21,130</u>	<u>\$20,834</u>	<u>\$20,822</u>	<u>\$20,809</u>	<u>\$20,796</u>	<u>\$20,784</u>	<u>\$20,774</u>	<u>251,663</u>
6	Expense Dr (Cr)															
	a. 0509030 SO ₂ Allowance Expense		\$1,661	\$729	\$0	\$116	\$1,046	\$1,046	\$1,968	\$2,035	\$1,932	\$1,798	\$1,937	\$1,618	15,887	
	b. 0407426 Amortization Expense		304	0	0	0	(132)	0	0	0	0	0	0	0	172	
	c. 0509212 NOx Allowance Expense		0	0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0	
7	Net Expense (D)		<u>1,965</u>	<u>729</u>	<u>0</u>	<u>116</u>	<u>914</u>	<u>1,046</u>	<u>1,968</u>	<u>2,035</u>	<u>1,932</u>	<u>1,798</u>	<u>1,937</u>	<u>1,618</u>	<u>16,059</u>	
8	Total System Recoverable Expenses (Lines 5 + 7)		\$23,117	\$21,873	\$21,141	\$21,256	\$22,051	\$22,176	\$22,802	\$22,857	\$22,741	\$22,594	\$22,721	\$22,392	267,722	
	a. Recoverable Costs Allocated to Energy		23,117	21,873	21,141	21,256	22,051	22,176	22,802	22,857	22,741	22,594	22,721	22,392	267,722	
	b. Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0	
9	Energy Jurisdictional Factor		0.95910	0.96140	0.95640	0.95580	0.93930	0.93930	0.91693	0.92073	0.93259	0.93075	0.95529	0.94423		
10	Demand Jurisdictional Factor		N/A													
11	Retail Energy-Related Recoverable Costs (E)		\$22,172	\$21,029	\$20,219	\$20,316	\$20,713	\$20,830	\$20,908	\$21,045	\$21,208	\$21,029	\$21,706	\$21,143	252,318	
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 11 + 12)		<u>\$ 22,172</u>	<u>\$ 21,029</u>	<u>\$ 20,219</u>	<u>\$ 20,316</u>	<u>\$ 20,713</u>	<u>\$ 20,830</u>	<u>\$ 20,908</u>	<u>\$ 21,045</u>	<u>\$ 21,208</u>	<u>\$ 21,029</u>	<u>\$ 21,706</u>	<u>\$ 21,143</u>	<u>\$ 252,318</u>	

Notes:

- (A) N/A
- (B) Jan - Jun 2019 Line 6 x 7.84% x 1/12. Jul - Dec 2019 Line 6 x 7.74% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.30% (Jan-Jun) and 4.31% (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

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2019 - December 2019

Form 42 8E
Page 6 of 18

Docket No. 20190007-EI
Duke Energy Florida
Witness C. A. Menendez
Exh. No. ___ (CAM-3)
Page 14 of 27

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-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	End of Period Total	
1	Investments															
	a. Expenditures/Additions		\$73,881	\$61,552	\$254,624	\$81,175	\$218,045	\$150,013	\$1,422,012	\$829,499	\$589,257	\$244,464	\$341,320	\$104,506	\$4,370,348	
	b. Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other (A)		0	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	0	
3	Less: Accumulated Depreciation	\$0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	CWIP - Non-Interest Bearing	\$1,311,525	1,385,406	1,446,958	1,701,582	1,782,757	2,000,801	2,150,814	3,572,826	4,402,325	4,991,582	5,236,046	5,577,366	5,681,872		
5	Net Investment (Lines 2 + 3 + 4)	\$1,311,525	\$1,385,406	\$1,446,958	\$1,701,582	\$1,782,757	\$2,000,801	\$2,150,814	\$3,572,826	\$4,402,325	\$4,991,582	\$5,236,046	\$5,577,366	\$5,681,872		
6	Average Net Investment		\$1,348,465	\$1,416,182	\$1,574,270	\$1,742,169	\$1,891,779	\$2,075,808	\$2,861,820	\$3,987,576	\$4,696,954	\$5,113,814	\$5,406,706	\$5,629,619		
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec													
	a. Debt Component	2.09%	1.97%	2,345	2,463	2,738	3,030	3,290	3,610	4,690	6,535	7,698	8,381	8,861	9,226	62,867
	b. Equity Component Grossed Up For Taxes	5.75%	5.77%	6,467	6,791	7,550	8,355	9,072	9,955	13,757	19,169	22,579	24,583	25,991	27,063	181,332
	c. Other			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							
	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)		\$8,812	\$9,254	\$10,288	\$11,385	\$12,362	\$13,565	\$18,447	\$25,704	\$30,277	\$32,964	\$34,852	\$36,289	244,199	
	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		\$8,812	\$9,254	\$10,288	\$11,385	\$12,362	\$13,565	\$18,447	\$25,704	\$30,277	\$32,964	\$34,852	\$36,289	244,199	
10	Energy Jurisdictional Factor		N/A	N/A	N/A	N/A	N/A	N/A	N/A							
11	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		
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)		8,185	8,596	9,556	10,575	11,482	12,600	17,134	23,875	28,123	30,619	32,372	33,707	226,824	
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$8,185	\$8,596	\$9,556	\$10,575	\$11,482	\$12,600	\$17,134	\$23,875	\$28,123	\$30,619	\$32,372	\$33,707	\$226,824	

Notes:

- (A) N/A
- (B) Jan - Jun 2019 Line 6 x 7.84% x 1/12. Jul - Dec 2019 Line 6 x 7.74% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.30% (Jan-Jun) and 4.31% (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. 120007-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 2018 Effective Tax Rate on original cost.
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2019 - December 2019

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

Line	Description	Beginning of Period Amount	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2	Plant-in-Service/Depreciation Base	\$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	(451,809)	(455,223)	(458,637)	(462,051)	(465,465)	(468,879)	(472,293)	(475,707)	(479,121)	(482,535)	(485,949)	(489,363)	(492,777)	
3a	Regulatory Asset Balance (G)	9,674	6,450	3,225	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)	<u>\$1,359,961</u>	<u>\$1,353,322</u>	<u>\$1,346,684</u>	<u>\$1,340,045</u>	<u>\$1,336,631</u>	<u>\$1,333,217</u>	<u>\$1,329,803</u>	<u>\$1,326,389</u>	<u>\$1,322,975</u>	<u>\$1,319,561</u>	<u>\$1,316,147</u>	<u>\$1,312,733</u>	<u>\$1,309,319</u>	
6	Average Net Investment		\$1,356,642	\$1,350,003	\$1,343,364	\$1,338,338	\$1,334,924	\$1,331,510	\$1,328,096	\$1,324,682	\$1,321,268	\$1,317,854	\$1,314,440	\$1,311,026	
7	Return on Average Net Investment (B)														
	a. Debt Component	Jan-Jun	2.09%	1.97%											
	b. Equity Component Grossed Up For Taxes	5.75%	5.77%												
	c. Other														
			2,359	2,347	2,336	2,327	2,322	2,316	2,176	2,171	2,166	2,159	2,155	2,149	26,983
			6,508	6,475	6,443	6,419	6,403	6,386	6,384	6,366	6,350	6,335	6,319	6,302	76,690
			0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation (C)		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	0	0	0	0	0	0	0	0	0	9,674
	c. Dismantlement		N/A												
	d. Property Taxes (D)		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)		\$16,902	\$16,857	\$16,814	\$13,556	\$13,535	\$13,512	\$13,370	\$13,347	\$13,326	\$13,304	\$13,284	\$13,261	171,067
	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		16,902	16,857	16,814	13,556	13,535	13,512	13,370	13,347	13,326	13,304	13,284	13,261	171,067
10	Energy Jurisdictional Factor		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)		16,213	16,170	16,128	13,003	12,983	12,961	12,825	12,803	12,783	12,762	12,743	12,720	164,095
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		<u>\$16,213</u>	<u>\$16,170</u>	<u>\$16,128</u>	<u>\$13,003</u>	<u>\$12,983</u>	<u>\$12,961</u>	<u>\$12,825</u>	<u>\$12,803</u>	<u>\$12,783</u>	<u>\$12,762</u>	<u>\$12,743</u>	<u>\$12,720</u>	<u>\$164,095</u>

Notes:

- (A) N/A
- (B) Jan - Jun 2019 Line 6 x 7.84% x 1/12. Jul - Dec 2019 Line 6 x 7.74% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.30% (Jan-Jun) and 4.31% (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 CAIR CTs section of Capital Program Detail file only on assets in-service. 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 CAIR CTs section of Capital Program Detail file only on assets in-service. Calculated on that schedule as Line 2 x rate x 1/12. Based on 2018 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
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2019 - December 2019

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-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	End of Period Total	
1	Investments															
	a. Expenditures/Additions		\$1,371,979	\$1,237,479	\$974,639	\$579,883	\$225,674	\$708,445	\$412,457	\$165,535	\$35,000	\$35,000	\$35,000	\$35,000	\$5,816,092	
	b. Clearings to Plant		0	79,482,748	974,639	579,883	225,674	708,445	412,457	165,535	35,000	35,000	35,000	35,000		
	c. Retirements		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	
2	Plant-in-Service/Depreciation Base	\$3,930,012	3,930,012	83,412,760	84,387,399	84,967,282	85,192,956	85,901,401	86,313,858	86,479,393	86,514,393	86,549,393	86,584,393	86,619,393		
3	Less: Accumulated Depreciation	(\$367,488)	(375,074)	(481,086)	(588,305)	(696,243)	(804,460)	(913,554)	(1,023,159)	(1,132,969)	(1,242,822)	(1,352,719)	(1,462,659)	(1,572,642)		
4	CWIP - Non-Interest Bearing	76,873,290	78,245,269	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)	\$80,435,815	\$81,800,208	\$82,931,675	\$83,799,095	\$84,271,039	\$84,388,497	\$84,987,848	\$85,290,700	\$85,346,425	\$85,271,572	\$85,196,675	\$85,121,735	\$85,046,752		
6	Average Net Investment		\$81,118,011	\$82,365,941	\$83,365,385	\$84,035,067	\$84,329,768	\$84,688,172	\$85,139,274	\$85,318,562	\$85,308,998	\$85,234,123	\$85,159,205	\$85,084,243		
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec													
	a. Debt Component	2.09%	1.97%	141,064	143,235	144,973	146,137	146,649	147,272	139,537	139,830	139,814	139,692	139,569	139,446	1,707,218
	b. Equity Component Grossed Up For Taxes	5.75%	5.77%	389,008	394,993	399,786	402,998	404,410	406,129	409,283	410,145	410,100	409,740	409,378	409,019	4,854,989
	c. Other			0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses															
	a. Depreciation (C)		7,586	106,012	107,219	107,938	108,217	109,094	109,605	109,810	109,853	109,897	109,940	109,983	1,205,154	
	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							
	d. Property Taxes (D)		558	11,837	11,976	12,058	12,090	12,191	12,249	12,273	12,278	12,283	12,287	12,292	134,372	
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0	
9	Total System Recoverable Expenses (Lines 7 + 8)		\$538,216	\$656,077	\$663,954	\$669,131	\$671,366	\$674,686	\$670,674	\$672,058	\$672,045	\$671,612	\$671,174	\$670,740	7,901,733	
	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		538,216	656,077	663,954	669,131	671,366	674,686	670,674	672,058	672,045	671,612	671,174	670,740	7,901,733	
10	Energy Jurisdictional Factor		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)		499,922	609,397	616,714	621,522	623,598	626,682	622,956	624,241	624,229	623,827	623,420	623,017	7,339,525	
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$499,922	\$609,397	\$616,714	\$621,522	\$623,598	\$626,682	\$622,956	\$624,241	\$624,229	\$623,827	\$623,420	\$623,017	\$7,339,525	

Notes:

- (A) N/A
- (B) Jan - Jun 2019 Line 6 x 7.84% x 1/12. Jul - Dec 2019 Line 6 x 7.74% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.30% (Jan-Jun) and 4.31% (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 CAIR Crystal River section of Capital Program Detail file only on assets in-service. 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 taxes calculated in CAIR Crystal River section of Capital Program Detail file only on assets in-service. Calculated on that schedule as Line 2 x rate x 1/12. Based on 2018 Effective Tax Rate on original cost.
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2019 - December 2019

Form 42-8E
Page 9 of 18

Docket No. 20190007-EI
Duke Energy Florida
Witness: C. A. Menendez
Exh. No. ___(CAM-3)
Page 17 of 27

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

Line	Description	Beginning of Period	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Actual Jul-19	Actual Aug-19	Actual Sep-19	Actual Oct-19	Actual Nov-19	Actual Dec-19	End of Period Total
1	Working Capital Dr (Cr)														
	a. 0154401 Ammonia Inventory	\$74,264	\$49,071	\$32,745	\$13,530	\$62,259	\$107,068	\$184,972	\$74,941	\$74,941	\$74,941	\$74,941	\$74,941	\$74,941	\$74,941
	b. 0154200 Limestone Inventory	\$1,283,532	1,181,071	1,147,202	1,219,817	1,135,901	1,357,936	1,212,154	914,386	914,386	914,386	914,386	914,386	914,386	914,386
2	Total Working Capital	\$1,357,797	\$1,230,142	\$1,179,947	\$1,233,347	\$1,198,160	\$1,465,004	\$1,397,126	\$989,326	\$989,326	\$989,326	\$989,326	\$989,326	\$989,326	989,326
3	Average Net Investment		1,293,969	1,205,045	1,206,647	1,215,754	1,331,582	1,431,065	1,193,226	989,326	989,326	989,326	989,326	989,326	
4	Return on Average Net Working Capital Balance (A)	Jan-Jun	Jul-Dec												
	a. Debt Component	2.09%	1.97%	2,250	2,096	2,098	2,114	2,316	2,489	1,956	1,621	1,621	1,621	1,621	\$23,425
	b. Equity Component Grossed Up For Taxes	5.75%	5.77%	6,205	5,779	5,787	5,830	6,386	6,863	5,736	4,756	4,756	4,756	4,756	66,365
5	Total Return Component (B)			8,456	7,874	7,885	7,944	8,701	9,351	7,692	6,377	6,377	6,377	6,377	89,791
6	Expense Dr (Cr)														
	a. 0502030 Ammonia Expense		176,215	16,575	171,157	179,926	113,375	211,577	188,423	200,000	200,000	200,000	200,000	200,000	2,057,248
	b. 0502040 Limestone Expense		225,019	26,083	255,161	222,037	256,686	374,564	794,491	511,224	447,113	444,409	476,542	218,317	4,251,646
	c. 0502050 Dibasic Acid Expense		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. 0502070 Gypsum Disposal/Sale		(34,022)	(4,608)	(24,525)	(24,522)	(34,907)	(33,916)	(26,083)	(26,083)	(26,083)	(26,083)	(26,083)	(26,083)	(313,000)
	e. 0502040 Hydrated Lime Expense		130,092	13,919	149,377	154,002	163,936	219,412	180,588	200,000	200,000	200,000	200,000	200,000	2,011,327
	f. 0502300 Caustic Expense		8,314	16,437	22,503	4,224	0	0	2,000	2,000	2,000	2,000	2,000	2,000	63,479
7	Net Expense (C)		505,618	68,407	573,674	535,668	499,090	771,637	1,139,418	887,140	823,030	820,325	852,459	594,234	8,070,700
8	Total System Recoverable Expenses (Lines 5 + 7)		\$514,074	\$76,281	\$581,559	\$543,612	\$507,791	\$780,988	\$1,147,110	\$893,518	\$829,407	\$826,703	\$858,836	\$600,611	8,160,490
	a. Recoverable Costs Allocated to Energy		514,074	76,281	581,559	543,612	507,791	780,988	1,147,110	893,518	829,407	826,703	858,836	600,611	8,160,490
	b. Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
9	Energy Jurisdictional Factor		0.95910	0.96140	0.95640	0.95580	0.93930	0.93930	0.91693	0.92073	0.93259	0.93075	0.95529	0.94423	
10	Demand Jurisdictional Factor		N/A												
11	Retail Energy-Related Recoverable Costs (D)		493,048	73,337	556,203	519,584	476,968	733,582	1,051,821	822,689	773,500	769,457	820,440	567,116	7,657,747
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)		\$ 493,048	\$ 73,337	\$ 556,203	\$ 519,584	\$ 476,968	\$ 733,582	\$ 1,051,821	\$ 822,689	\$ 773,500	\$ 769,457	\$ 820,440	\$ 567,116	\$ 7,657,747

Notes:

- (A) Jan - Jun 2019 Line 6 x 7.84% x 1/12. Jul - Dec 2019 Line 6 x 7.74% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.30% (Jan-Jun) and 4.31% (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
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2019 - December 2019

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-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	End of Period Total
1	Investments														
	a. Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$150	\$100	\$100	\$50	\$0	\$0	\$400
	b. Clearings to Plant		0	0	0	0	0	0	150	100	100	50	0	0	0
	c. Retirements		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
2	Plant-in-Service/Depreciation Base	\$11,324	11,324	11,324	11,324	11,324	11,324	11,324	11,474	11,574	11,674	11,724	11,724	11,724	
3	Less: Accumulated Depreciation	(3,698)	(3,727)	(3,756)	(3,785)	(3,814)	(3,843)	(3,872)	(3,901)	(3,931)	(3,961)	(3,991)	(4,021)	(4,051)	
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)	\$7,626	\$7,597	\$7,568	\$7,539	\$7,510	\$7,481	\$7,452	\$7,573	\$7,643	\$7,713	\$7,733	\$7,703	\$7,673	
6	Average Net Investment		\$7,612	\$7,583	\$7,554	\$7,525	\$7,496	\$7,467	\$7,513	\$7,608	\$7,678	\$7,723	\$7,718	\$7,688	
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec												
	a. Debt Component	2.09%	1.97%	13	13	13	13	13	12	12	13	13	13	13	154
	b. Equity Component Grossed Up For Taxes	5.75%	5.77%	37	36	36	36	36	36	37	37	37	37	37	438
	c. Other			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	30	30	30	30	30	353
	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						
	d. Property Taxes (D) 0.009414		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)		\$88	\$87	\$87	\$87	\$87	\$87	\$86	\$88	\$89	\$89	\$89	\$89	1,053
	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		\$88	\$87	\$87	\$87	\$87	\$87	\$86	\$88	\$89	\$89	\$89	\$89	1,053
10	Energy Jurisdictional Factor		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)		88	87	87	87	87	87	86	88	89	89	89	89	1,048
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$88	\$87	\$87	\$87	\$87	\$87	\$86	\$88	\$89	\$89	\$89	\$89	\$1,048

Notes:

- (A) N/A
- (B) Jan - Jun 2019 Line 6 x 7.84% x 1/12. Jul - Dec 2019 Line 6 x 7.74% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.30% (Jan-Jun) and 4.31% (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 2010 Rate Case Order PSC-2010-0131-FOF-EI.
- (D) Line 2 x rate x 1/12. Based on 2018 Effective Tax Rate on original cost.
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2019 - December 2019

Form 42-8E
Page 11 of 18

Docket No. 20190007-EI
Duke Energy Florida
Witness: C. A. Menendez
Exh. No. ___ (CAM-3)
Page 19 of 27

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

Line	Description	Beginning of Period	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0	
	c. Retirements		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	
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	168,941	
3	Less: Accumulated Depreciation	(46,000)	(46,296)	(46,592)	(46,888)	(47,184)	(47,480)	(47,776)	(48,072)	(48,368)	(48,664)	(48,960)	(49,256)	(49,552)		
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)	\$122,941	\$122,645	\$122,349	\$122,053	\$121,757	\$121,461	\$121,165	\$120,869	\$120,573	\$120,277	\$119,981	\$119,685	\$119,389		
6	Average Net Investment		\$122,793	\$122,497	\$122,201	\$121,905	\$121,609	\$121,313	\$121,017	\$120,721	\$120,425	\$120,129	\$119,833	\$119,537		
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec													
	a. Debt Component	2.09%	1.97%	214	213	213	212	211	211	198	198	197	197	196	196	2,456
	b. Equity Component Grossed Up For Taxes	5.75%	5.77%	589	587	586	585	583	582	582	580	579	577	576	575	6,981
	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							
	d. Property Taxes (D) 0.008573		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)		\$1,220	\$1,217	\$1,216	\$1,214	\$1,211	\$1,210	\$1,197	\$1,195	\$1,193	\$1,191	\$1,189	\$1,188	14,441	
	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		\$1,220	\$1,217	\$1,216	\$1,214	\$1,211	\$1,210	\$1,197	\$1,195	\$1,193	\$1,191	\$1,189	\$1,188	14,441	
10	Energy Jurisdictional Factor		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)		1,133	1,130	1,129	1,128	1,125	1,124	1,112	1,110	1,108	1,106	1,104	1,103	13,414	
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$1,133	\$1,130	\$1,129	\$1,128	\$1,125	\$1,124	\$1,112	\$1,110	\$1,108	\$1,106	\$1,104	\$1,103	\$13,414	

Notes:

- (A) N/A
- (B) Jan - Jun 2019 Line 6 x 7.84% x 1/12. Jul - Dec 2019 Line 6 x 7.74% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.30% (Jan-Jun) and 4.31% (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 2018 Effective Tax Rate on original cost.
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2019 - December 2019

Form 42-8E
Page 12 of 18

Docket No. 20190007-EI
Duke Energy Florida
Witness C. A. Menendez
Exh. No. ___ (CAM-3)
Page 20 of 27

Return on Capital Investments, Depreciation and Taxes
For Project: UNDERGROUND STORAGE TANKS - Intermediate (10.2)
(in Dollars)

Line	Description	Beginning of Period	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0	
	c. Retirements		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	
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	76,006	
3	Less: Accumulated Depreciation	(29,093)	(29,296)	(29,499)	(29,702)	(29,905)	(30,108)	(30,311)	(30,514)	(30,717)	(30,920)	(31,123)	(31,326)	(31,529)	(31,529)	
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)	\$46,913	\$46,710	\$46,507	\$46,304	\$46,101	\$45,898	\$45,695	\$45,492	\$45,289	\$45,086	\$44,883	\$44,680	\$44,477		
6	Average Net Investment		\$46,812	\$46,609	\$46,406	\$46,203	\$46,000	\$45,797	\$45,594	\$45,391	\$45,188	\$44,985	\$44,782	\$44,579		
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec													
	a. Debt Component	2.09%	1.97%	81	81	81	80	80	80	75	74	74	74	73	73	926
	b. Equity Component Grossed Up For Taxes	5.75%	5.77%	224	224	223	222	221	220	219	218	217	216	215	214	2,633
	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							
	d. Property Taxes (D) 0.009890		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)		\$571	\$571	\$570	\$568	\$567	\$566	\$560	\$558	\$557	\$556	\$554	\$553	6,751	
	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		\$571	\$571	\$570	\$568	\$567	\$566	\$560	\$558	\$557	\$556	\$554	\$553	6,751	
10	Energy Jurisdictional Factor		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)		415	415	414	413	412	411	407	406	405	404	403	402	4,908	
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$415	\$415	\$414	\$413	\$412	\$411	\$407	\$406	\$405	\$404	\$403	\$402	\$4,908	

Notes:

- (A) N/A
- (B) Jan - Jun 2019 Line 6 x 7.84% x 1/12. Jul - Dec 2019 Line 6 x 7.74% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.30% (Jan-Jun) and 4.31% (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-10-0131-FOF-EI.
- (D) Line 2 x rate x 1/12. Based on 2018 Effective Tax Rate on original cost.
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2019 - December 2019

Return on Capital Investments, Depreciation and Taxes
For Project: Effluent Limitation Guidelines CRN - Energy (Project 15.1)
(in Dollars)

Line	Description	Beginning of Period Amount	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	End of Period Total
1	Investments														
	a. Expenditures/Additions		\$2,974	\$395	\$35,883	\$31,049	\$6,508	(\$2,945)	\$364,580	\$411,635	\$411,635	\$411,635	\$42,885	\$42,885	\$1,759,119
	b. Clearings to Plant		0	0	0	0	0	0	0	0	0	0	2,148,797	42,885	
	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	2,148,797	2,191,682	
3	Less: Accumulated Depreciation	0	0	0	0	0	0	0	0	0	0	0	(4,423)	(8,934)	
4	CWIP - Non-Interest Bearing	432,564	435,537	435,933	471,816	502,864	509,372	506,427	871,007	1,282,642	1,694,277	2,105,912	0	0	
5	Net Investment (Lines 2 + 3 + 4)	\$432,564	\$435,537	\$435,933	\$471,816	\$502,864	\$509,372	\$506,427	\$871,007	\$1,282,642	\$1,694,277	\$2,105,912	\$2,144,374	\$2,182,748	
6	Average Net Investment		\$434,051	\$435,735	\$453,874	\$487,340	\$506,118	\$507,900	\$688,717	\$1,076,825	\$1,488,460	\$1,900,095	\$2,125,143	\$2,163,561	
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec												
	a. Debt Component	2.09%	1.97%	755	758	789	847	880	883	1,129	1,765	2,439	3,114	3,483	20,388
	b. Equity Component Grossed Up For Taxes	5.75%	5.77%	2,082	2,090	2,177	2,337	2,427	2,436	3,311	5,177	7,155	9,134	10,216	58,943
	c. Other			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	4,423	4,511	8,934
	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						
	d. Property Taxes (D) 0.001703		0	0	0	0	0	0	0	0	0	0	305	311	616
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$2,837	\$2,848	\$2,966	\$3,184	\$3,307	\$3,319	\$4,440	\$6,942	\$9,594	\$12,248	\$18,427	\$18,769	88,881
	a. Recoverable Costs Allocated to Energy		2,837	2,848	2,966	3,184	3,307	3,319	4,440	6,942	9,594	12,248	18,427	18,769	88,881
	b. Recoverable Costs Allocated to Demand		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0
10	Energy Jurisdictional Factor		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)		\$2,635	\$2,645	\$2,755	\$2,957	\$3,072	\$3,083	\$4,124	\$6,448	\$8,911	\$11,377	\$17,116	\$17,434	82,557
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$2,635	\$2,645	\$2,755	\$2,957	\$3,072	\$3,083	\$4,124	\$6,448	\$8,911	\$11,377	\$17,116	\$17,434	\$82,557

Notes:

- (A) N/A
- (B) Jan - Jun 2019 Line 6 x 7.84% x 1/12. Jul - Dec 2019 Line 6 x 7.74% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.30% (Jan-Jun) and 4.31% (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 2018 Effective Tax Rate on original cost.
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2019 - December 2019

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

Line	Description	Beginning of Period Amount	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0
	c. Retirements		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
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	(1,716,510)	(1,752,182)	(1,787,854)	(1,823,526)	(1,859,198)	(1,894,870)	(1,930,542)	(1,966,214)	(2,001,886)	(2,037,558)	(2,073,230)	(2,108,902)	(2,144,574)	
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)	\$11,125,360	\$11,089,688	\$11,054,016	\$11,018,344	\$10,982,672	\$10,947,000	\$10,911,328	\$10,875,656	\$10,839,984	\$10,804,312	\$10,768,640	\$10,732,968	\$10,697,296	
6	Average Net Investment		\$11,107,524	\$11,071,852	\$11,036,180	\$11,000,508	\$10,964,836	\$10,929,164	\$10,893,492	\$10,857,820	\$10,822,148	\$10,786,476	\$10,750,804	\$10,715,132	
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec												
	a. Debt Component	2.09%	1.97%	19,316	19,254	19,192	19,130	19,068	19,006	17,854	17,795	17,737	17,678	17,620	221,211
	b. Equity Component Grossed Up For Taxes	5.75%	5.77%	53,267	53,096	52,925	52,754	52,583	52,412	52,367	52,196	52,024	51,853	51,682	628,669
	c. Other			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						
	d. Property Taxes (D)	0.009930	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)		\$118,882	\$118,649	\$118,416	\$118,183	\$117,950	\$117,717	\$116,520	\$116,290	\$116,060	\$115,830	\$115,601	\$115,370	1,405,468
	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		\$118,882	\$118,649	\$118,416	\$118,183	\$117,950	\$117,717	\$116,520	\$116,290	\$116,060	\$115,830	\$115,601	\$115,370	1,405,468
10	Energy Jurisdictional Factor		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)		86,431	86,261	86,092	85,923	85,753	85,584	84,714	84,546	84,379	84,212	84,045	83,877	1,021,817
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$86,431	\$86,261	\$86,092	\$85,923	\$85,753	\$85,584	\$84,714	\$84,546	\$84,379	\$84,212	\$84,045	\$83,877	\$1,021,817

Notes:

- (A) N/A
- (B) Jan - Jun 2019 Line 6 x 7.84% x 1/12. Jul - Dec 2019 Line 6 x 7.74% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.30% (Jan-Jun) and 4.31% (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 2018 Effective Tax Rate on original cost.
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2019 - December 2019

Form 42 8E
Page 15 of 18

Docket No. 20190007-EI
Duke Energy Florida
Witness: C. A. Menendez
Exh. No. ___ (CAM-3)
Page 23 of 27

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-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0	
	c. Retirements		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	
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	3,690,187	
3	Less: Accumulated Depreciation	(266,981)	(273,563)	(280,145)	(286,727)	(293,309)	(299,891)	(306,473)	(313,055)	(319,637)	(326,219)	(332,801)	(339,383)	(345,965)		
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)	\$3,423,206	\$3,416,624	\$3,410,042	\$3,403,460	\$3,396,878	\$3,390,296	\$3,383,714	\$3,377,132	\$3,370,550	\$3,363,968	\$3,357,386	\$3,350,804	\$3,344,222		
6	Average Net Investment		\$3,419,915	\$3,413,333	\$3,406,751	\$3,400,169	\$3,393,587	\$3,387,005	\$3,380,423	\$3,373,841	\$3,367,259	\$3,360,677	\$3,354,095	\$3,347,513		
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec													
	a. Debt Component	2.09%	1.97%	5,947	5,936	5,924	5,913	5,901	5,890	5,540	5,529	5,519	5,508	5,497	5,486	68,590
	b. Equity Component Grossed Up For Taxes	5.75%	5.77%	16,400	16,369	16,337	16,306	16,274	16,243	16,250	16,219	16,187	16,156	16,124	16,092	194,957
	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							
	d. Property Taxes (D) 0.001703		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)		\$28,856	\$28,814	\$28,770	\$28,728	\$28,684	\$28,642	\$28,299	\$28,257	\$28,215	\$28,173	\$28,130	\$28,087	341,659	
	a. Recoverable Costs Allocated to Energy		28,856	28,814	28,770	28,728	28,684	28,642	28,299	28,257	28,215	28,173	28,130	28,087	341,659	
	b. Recoverable Costs Allocated to Demand		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	
10	Energy Jurisdictional Factor		0.95910	0.96140	0.95640	0.95580	0.93930	0.93930	0.91693	0.92073	0.93259	0.93075	0.95529	0.94423		
11	Demand Jurisdictional Factor		N/A	N/A	N/A	N/A	N/A	N/A								
12	Retail Energy-Related Recoverable Costs (F)		\$27,676	\$27,702	\$27,516	\$27,459	\$26,943	\$26,904	\$25,949	\$26,017	\$26,313	\$26,222	\$26,873	\$26,521	\$322,095	
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)		\$27,676	\$27,702	\$27,516	\$27,459	\$26,943	\$26,904	\$25,949	\$26,017	\$26,313	\$26,222	\$26,873	\$26,521	\$322,095	

Notes:

- (A) N/A
- (B) Jan - Jun 2019 Line 6 x 7.84% x 1/12. Jul - Dec 2019 Line 6 x 7.74% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.30% (Jan-Jun) and 4.31% (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 2018 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 2019 - December 2019

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-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0
	c. Retirements		0	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	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	133,918,267
3	Less: Accumulated Depreciation	(14,548,630)	(14,791,044)	(15,033,458)	(15,275,872)	(15,518,286)	(15,760,700)	(16,003,114)	(16,245,528)	(16,487,942)	(16,730,356)	(16,972,770)	(17,215,184)	(17,457,598)	
4	CWIP - AFUDC Bearing	(0)	(0)	(0)	(0)	(0)	(0)	(0)	0	0	0	0	0	0	0
5	Net Investment (Lines 2 + 3 + 4)	\$119,369,637	\$119,127,223	\$118,884,809	\$118,642,395	\$118,399,981	\$118,157,567	\$117,915,153	\$117,672,739	\$117,430,325	\$117,187,911	\$116,945,497	\$116,703,083	\$116,460,669	
6	Average Net Investment		\$119,248,430	\$119,006,016	\$118,763,602	\$118,521,188	\$118,278,774	\$118,036,360	\$117,793,946	\$117,551,532	\$117,309,118	\$117,066,704	\$116,824,290	\$116,581,876	
7	Return on Average Net Investment (B)														
	a. Debt Component		2.09%	1.97%											
	b. Equity Component Grossed Up For Taxes		5.75%	5.77%											
	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						
	d. Property Taxes (D) 0.008490		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)		\$1,101,605	\$1,100,021	\$1,098,438	\$1,096,854	\$1,095,269	\$1,093,684	\$1,081,683	\$1,080,121	\$1,078,558	\$1,076,996	\$1,075,433	\$1,073,870	13,052,526
	a. Recoverable Costs Allocated to Energy		1,101,605	1,100,021	1,098,438	1,096,854	1,095,269	1,093,684	1,081,683	1,080,121	1,078,558	1,076,996	1,075,433	1,073,870	13,052,526
	b. Recoverable Costs Allocated to Demand		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0
10	Energy Jurisdictional Factor		0.95910	0.96140	0.95640	0.95580	0.93930	0.93930	0.91693	0.92073	0.93259	0.93075	0.95529	0.94423	
11	Demand Jurisdictional Factor		N/A	N/A	N/A	N/A	N/A	N/A							
12	Retail Energy-Related Recoverable Costs (F)		\$1,056,549	\$1,057,560	\$1,050,546	\$1,048,373	\$1,028,786	\$1,027,297	\$991,829	\$994,500	\$1,005,856	\$1,002,418	\$1,027,353	\$1,013,982	\$12,305,049
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)		\$1,056,549	\$1,057,560	\$1,050,546	\$1,048,373	\$1,028,786	\$1,027,297	\$991,829	\$994,500	\$1,005,856	\$1,002,418	\$1,027,353	\$1,013,982	\$12,305,049

Notes:

- (A) N/A
- (B) Jan - Jun 2019 Line 6 x 7.84% x 1/12. Jul - Dec 2019 Line 6 x 7.74% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.30% (Jan-Jun) and 4.31% (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 2018 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 2019 - December 2019

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-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0	
	c. Retirements		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	
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	(3,006,977)	(3,076,912)	(3,146,847)	(3,216,782)	(3,286,717)	(3,356,652)	(3,426,587)	(3,496,522)	(3,566,457)	(3,636,392)	(3,706,327)	(3,776,262)	(3,846,197)		
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)	\$19,674,097	\$19,604,162	\$19,534,227	\$19,464,292	\$19,394,357	\$19,324,422	\$19,254,487	\$19,184,552	\$19,114,617	\$19,044,682	\$18,974,747	\$18,904,812	\$18,834,877		
6	Average Net Investment		\$19,639,129	\$19,569,194	\$19,499,259	\$19,429,324	\$19,359,389	\$19,289,454	\$19,219,519	\$19,149,584	\$19,079,649	\$19,009,714	\$18,939,779	\$18,869,844		
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec													
	a. Debt Component	2.09%	1.97%	34,093	33,969	33,847	33,725	33,603	33,485	31,499	31,385	31,270	31,155	31,041	30,926	389,998
	b. Equity Component Grossed Up For Taxes	5.75%	5.77%	94,241	93,909	93,572	93,236	92,902	92,565	92,393	92,056	91,720	91,384	91,048	90,712	1,109,738
	c. Other			0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses															
	a. Depreciation (C)	3.7000%	69,935	69,935	69,935	69,935	69,935	69,935	69,935	69,935	69,935	69,935	69,935	69,935	839,220	
	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							
	d. Property Taxes (D)	0.001703	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)		\$190,948	\$190,492	\$190,033	\$189,575	\$189,119	\$188,664	\$186,506	\$186,055	\$185,604	\$185,153	\$184,703	\$184,252	2,251,109	
	a. Recoverable Costs Allocated to Energy		190,948	190,492	190,033	189,575	189,119	188,664	186,506	186,055	185,604	185,153	184,703	184,252	2,251,109	
	b. Recoverable Costs Allocated to Demand		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	
10	Energy Jurisdictional Factor		0.95910	0.96140	0.95640	0.95580	0.93930	0.93930	0.91693	0.92073	0.93259	0.93075	0.95529	0.94423		
11	Demand Jurisdictional Factor		N/A	N/A	N/A	N/A	N/A	N/A								
12	Retail Energy-Related Recoverable Costs (F)		\$183,139	\$183,139	\$181,748	\$181,196	\$177,640	\$177,212	\$171,014	\$171,307	\$173,093	\$172,332	\$176,446	\$173,977	\$2,122,243	
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)		\$183,139	\$183,139	\$181,748	\$181,196	\$177,640	\$177,212	\$171,014	\$171,307	\$173,093	\$172,332	\$176,446	\$173,977	\$2,122,243	

Notes:

- (A) N/A
- (B) Jan - Jun 2019 Line 6 x 7.84% x 1/12. Jul - Dec 2019 Line 6 x 7.74% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.30% (Jan-Jun) and 4.31% (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 2018 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 2019 - December 2019

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

Line	Description	Beginning of Period Amount	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	End of Period Total
1	Investments														
	a. Expenditures/Additions		\$17	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17
	b. Clearings to Plant		17	0	0	0	0	0	0	0	0	0	0	0	0
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Other (A)		0	0	0	0	0	0	0	0	0	0	0	0	0
2	Plant-in-Service/Depreciation Base	\$446,073	446,090	446,090	446,090	446,090	446,090	446,090	446,090	446,090	446,090	446,090	446,090	446,090	
3	Less: Accumulated Depreciation	(10,574)	(11,380)	(12,186)	(12,992)	(13,798)	(14,604)	(15,410)	(16,216)	(17,022)	(17,828)	(18,634)	(19,440)	(20,246)	
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)	\$435,499	\$434,710	\$433,904	\$433,098	\$432,292	\$431,486	\$430,680	\$429,874	\$429,068	\$428,262	\$427,456	\$426,650	\$425,844	
6	Average Net Investment		\$435,105	\$434,307	\$433,501	\$432,695	\$431,889	\$431,083	\$430,277	\$429,471	\$428,665	\$427,859	\$427,053	\$426,247	
7	Return on Average Net Investment (B)														
	a. Debt Component		2.09%	1.97%											
	b. Equity Component Grossed Up For Taxes		5.75%	5.77%											
	c. Other														
8	Investment Expenses														
	a. Depreciation (C)	2.1695%	806	806	806	806	806	806	806	806	806	806	806	806	9,672
	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						
	d. Property Taxes (D)	0.001703	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)		\$3,713	\$3,707	\$3,702	\$3,696	\$3,691	\$3,686	\$3,642	\$3,638	\$3,633	\$3,627	\$3,622	\$3,617	43,974
	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		3,713	3,707	3,702	3,696	3,691	3,686	3,642	3,638	3,633	3,627	3,622	3,617	43,974
10	Energy Jurisdictional Factor		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)		3,449	3,443	3,439	3,433	3,428	3,424	3,383	3,379	3,375	3,369	3,364	3,360	40,846
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$3,449	\$3,443	\$3,439	\$3,433	\$3,428	\$3,424	\$3,383	\$3,379	\$3,375	\$3,369	\$3,364	\$3,360	\$40,846

Notes:

- (A) N/A
- (B) Jan - Jun 2019 Line 6 x 7.84% x 1/12. Jul - Dec 2019 Line 6 x 7.74% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.30% (Jan-Jun) and 4.31% (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 2018 Effective Tax Rate on original cost.
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2019 - December 2019

Form 42 9E

Docket No. 20190007-EI
Duke Energy Florida
Witness: C. A. Menendez
Exh. No. __ (CAM-3)
Page 27 of 27

Capital Structure and Cost Rates

Class of Capital	Retail Amount	Ratio	Cost Rate	Weighted Cost Rate	PreTax Weighted Cost Rate
CE	\$ 4,374,787,363	40.92%	0.10500	4.30%	5.75%
PS	-	0.00%	0.00000	0.00%	0.00%
LTD	4,497,051,945	42.06%	0.04896	2.06%	2.06%
STD	(193,058,184)	-1.81%	0.00878	-0.02%	-0.02%
CD-Active	179,648,841	1.68%	0.02352	0.04%	0.04%
CD-Inactive	1,597,098	0.01%	0.00000	0.00%	0.00%
ADIT	1,826,908,909	17.09%	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	\$10,692,175,379	100.00%		6.38%	7.84%
			Total Debt	2.09%	2.09%
			Total Equity	4.30%	5.75%

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.

Class of Capital	Retail Amount	Ratio	Cost Rate	Weighted Cost Rate	PreTax Weighted Cost Rate
CE	\$ 4,874,577,393	41.01%	0.10500	4.31%	5.77%
PS	-	0.00%	0.00000	0.00%	0.00%
LTD	4,845,025,196	40.77%	0.04701	1.92%	1.92%
STD	(59,426,995)	-0.50%	-0.00358	0.00%	0.00%
CD-Active	176,756,874	1.49%	0.02378	0.04%	0.04%
CD-Inactive	1,853,499	0.02%	0.00000	0.00%	0.00%
ADIT	2,026,313,275	17.05%	0.00000	0.00%	0.00%
FAS 109	-	0.00%	0.00000	0.00%	0.00%
ITC	19,805,922	0.17%	0.07715	0.01%	0.01%
Total	\$ 11,884,905,162	100.00%		6.27%	7.74%
			Total Debt	1.97%	1.97%
			Total Equity	4.31%	5.77%

May 2019 DEF Surveillance Report capital structure and cost rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 120007-EI.

Docket No. 20190007-EI

Duke Energy Florida

Christopher A. Menendez

Exh. No. __ (CAM-4)

Page 1 of 15

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Capital Program Detail

January 2019 - December 2019
Actuals for the Period January 2019 - June 2019
Estimates for the Period July 2019 - December 2019
Docket No. 20190007-EI

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

Line	Description	Beginning of Period Amount	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2	Plant-in-Service/Depreciation Base	\$0	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	0
3a	Regulatory Asset Balance (C)	7,285	6,375	5,465	4,556	3,646	2,736	1,826	916	0	0	0	0	0	0
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Net Investment (Lines 2 + 3 + 4)	\$7,285	\$6,375	\$5,466	\$4,556	\$3,646	\$2,736	\$1,826	\$917	\$0	\$0	\$1	\$0	\$0	\$0
6	Average Net Investment		6,830	5,921	5,011	4,101	3,191	2,281	1,371	458	0	0	0	0	0
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec												
	a. Debt Component	2.09%	1.97%	12	10	9	7	6	4	2	1	0	0	0	51
	b. Equity Component Grossed Up For Taxes	5.75%	5.77%	33	28	24	20	15	11	7	2	0	0	0	140
	c. Other			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	916	0	0	0	0	7,287
	c. Dismantlement		N/A	N/A	N/A	N/A	N/A	N/A	N/A						
	d. Property Taxes	0.9772%	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)		\$955	\$948	\$943	\$937	\$931	\$925	\$919	\$919	\$0	\$0	\$0	\$0	\$7,478
	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		\$955	\$948	\$943	\$937	\$931	\$925	\$919	\$919	\$0	\$0	\$0	\$0	\$7,478

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

Line	Description	Beginning of Period Amount	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2	Plant-in-Service/Depreciation Base	\$0	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	0
3a	Regulatory Asset Balance (B)	208,586	182,512	156,439	130,366	104,293	78,220	52,146	26,073	(0)	(0)	(0)	(0)	(0)	(0)
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Net Investment (Lines 2 + 3 + 4)	\$208,586	\$182,512	\$156,439	\$130,366	\$104,293	\$78,220	\$52,146	\$26,073	(\$0)	(\$0)	(\$0)	(\$0)	(\$0)	\$0
6	Average Net Investment		195,549	169,476	143,403	117,329	91,256	65,183	39,110	13,037	0	0	0	0	0
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec												
	a. Debt Component	2.09%	1.97%	340	295	249	204	159	113	64	21	0	0	0	1,445
	b. Equity Component Grossed Up For Taxes	5.75%	5.77%	938	813	688	563	438	313	188	63	0	0	0	4,004
	c. Other			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	0	0	0	0	208,586
	c. Dismantlement		N/A	N/A	N/A	N/A	N/A	N/A	N/A						
	d. Property Taxes	0.9772%	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)		\$27,351	\$27,181	\$27,010	\$26,840	\$26,670	\$26,499	\$26,325	\$26,157	\$0	\$0	\$0	\$0	\$214,035
	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		\$27,351	\$27,181	\$27,010	\$26,840	\$26,670	\$26,499	\$26,325	\$26,157	\$0	\$0	\$0	\$0	\$214,035

(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.

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

Line	Description	Beginning of Period Amount	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2	Plant-in-Service/Depreciation Base	\$0	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	0
3a	Regulatory Asset Balance (B)	\$159,001	139,126	119,251	99,376	79,501	59,626	39,750	19,875	(0)	(0)	(0)	(0)	(0)	(0)
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Net Investment (Lines 2 + 3 + 4)	\$159,001	\$139,126	\$119,251	\$99,376	\$79,501	\$59,626	\$39,750	\$19,875	(\$0)	(\$0)	(\$0)	(\$0)	(\$0)	(\$0)
6	Average Net Investment		149,064	129,189	109,313	89,438	69,563	49,688	29,813	9,938	0	0	0	0	0
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec												
	a. Debt Component	2.09%	1.97%	259	225	190	156	121	86	49	16	0	0	0	1,102
	b. Equity Component Grossed Up For Taxes	5.75%	5.77%	715	620	524	429	334	238	143	48	0	0	0	3,051
	c. Other			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	0	0	0	0	159,001
	c. Dismantlement		N/A	N/A	N/A	N/A	N/A	N/A	N/A						
	d. Property Taxes	0.9772%	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)		\$20,849	\$20,720	\$20,589	\$20,460	\$20,330	\$20,199	\$20,067	\$19,939	\$0	\$0	\$0	\$0	\$163,154
	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		\$20,849	\$20,720	\$20,589	\$20,460	\$20,330	\$20,199	\$20,067	\$19,939	\$0	\$0	\$0	\$0	\$163,154

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

Line	Description	Beginning of Period Amount	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2	Plant-in-Service/Depreciation Base	\$0	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	0
3a	Regulatory Asset Balance (B)	25,270	22,111	18,952	15,794	12,635	9,476	6,317	3,159	0	0	0	0	0	0
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Net Investment (Lines 2 + 3 + 4)	\$25,270	\$22,111	\$18,952	\$15,794	\$12,635	\$9,476	\$6,317	\$3,159	\$0	\$0	\$0	\$0	\$0	\$0
6	Average Net Investment		23,690	20,532	17,373	14,214	11,056	7,897	4,738	1,579	0	0	0	0	0
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec												
	a. Debt Component	2.09%	1.97%	41	36	30	25	19	14	8	3	0	0	0	176
	b. Equity Component Grossed Up For Taxes	5.75%	5.77%	114	98	83	68	53	38	23	8	0	0	0	485
	c. Other			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	0	0	0	0	25,270
	c. Dismantlement		N/A	N/A	N/A	N/A	N/A	N/A	N/A						
	d. Property Taxes	0.9772%	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)		\$3,314	\$3,293	\$3,272	\$3,252	\$3,231	\$3,211	\$3,190	\$3,170	\$0	\$0	\$0	\$0	\$25,931
	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		\$3,314	\$3,293	\$3,272	\$3,252	\$3,231	\$3,211	\$3,190	\$3,170	\$0	\$0	\$0	\$0	\$25,931

(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-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2	Plant-in-Service/Depreciation Base	\$0	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	0
3a	Regulatory Asset Balance (B)	137,132	91,425	45,718	0	0	0	0	0	0	0	0	0	0	0
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Net Investment (Lines 2 + 3 + 4)	\$137,132	\$91,425	\$45,718	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	Average Net Investment		114,279	68,572	22,859	0	0	0	0	0	0	0	0	0	0
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec												
	a. Debt Component	2.09%	1.97%	199	119	40	0	0	0	0	0	0	0	0	358
	b. Equity Component Grossed Up For Taxes	5.75%	5.77%	548	329	110	0	0	0	0	0	0	0	0	987
	c. Other			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	45,718	45,718	0	0	0	0	0	0	0	0	0	137,132
	c. Dismantlement		N/A	N/A	N/A	N/A	N/A	N/A	N/A						
	d. Property Taxes	1.1630%	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)		\$46,454	\$46,155	\$45,868	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$138,477
	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		\$46,454	\$46,155	\$45,868	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$138,477

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

Line	Description	Beginning of Period Amount	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2	Plant-in-Service/Depreciation Base	\$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	1,473,801
3	Less Accumulated Depreciation	(425,169)	(428,854)	(432,539)	(436,224)	(439,909)	(443,594)	(447,279)	(450,964)	(454,649)	(458,334)	(462,019)	(465,704)	(469,389)	
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Net Investment (Lines 2 + 3 + 4)	\$1,048,632	\$1,044,947	\$1,041,262	\$1,037,577	\$1,033,892	\$1,030,207	\$1,026,522	\$1,022,837	\$1,019,152	\$1,015,467	\$1,011,782	\$1,008,097	\$1,004,412	
6	Average Net Investment		1,046,790	1,043,105	1,039,420	1,035,735	1,032,050	1,028,365	1,024,680	1,020,995	1,017,310	1,013,625	1,009,940	1,006,255	
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec												
	a. Debt Component	2.09%	1.97%	1,820	1,814	1,808	1,801	1,795	1,788	1,679	1,673	1,667	1,661	1,655	1,649
	b. Equity Component Grossed Up For Taxes	5.75%	5.77%	5,020	5,002	4,985	4,967	4,949	4,932	4,926	4,908	4,890	4,873	4,855	4,837
	c. Other			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						
	d. Property Taxes	0.9930%	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)		\$11,745	\$11,721	\$11,698	\$11,673	\$11,649	\$11,625	\$11,510	\$11,486	\$11,462	\$11,439	\$11,415	\$11,391	\$138,814
	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		\$11,745	\$11,721	\$11,698	\$11,673	\$11,649	\$11,625	\$11,510	\$11,486	\$11,462	\$11,439	\$11,415	\$11,391	\$138,814

(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 - INTERCESSION CITY CTs (Project 4.1c)
(In Dollars)

Line	Description	Beginning of Period Amount	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0	
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base	\$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	1,661,664	
3	Less Accumulated Depreciation	(1,163,135)	(1,172,274)	(1,181,413)	(1,190,552)	(1,199,691)	(1,208,830)	(1,217,969)	(1,227,108)	(1,236,247)	(1,245,386)	(1,254,525)	(1,263,664)	(1,272,803)		
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)	\$498,529	\$489,390	\$480,251	\$471,112	\$461,973	\$452,834	\$443,695	\$434,556	\$425,417	\$416,278	\$407,139	\$398,000	\$388,861		
6	Average Net Investment		493,960	484,821	475,682	466,543	457,404	448,265	439,126	429,987	420,848	411,709	402,570	393,431		
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec													
	a. Debt Component	2.09%	1.97%	859	843	827	811	795	780	720	705	690	675	660	645	9,010
	b. Equity Component Grossed Up For Taxes	5.75%	5.77%	2,369	2,325	2,281	2,237	2,194	2,150	2,111	2,067	2,023	1,979	1,935	1,891	25,562
	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							
	d. Property Taxes	0.8500%	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)		\$13,544	\$13,484	\$13,424	\$13,364	\$13,305	\$13,246	\$13,147	\$13,088	\$13,029	\$12,970	\$12,911	\$12,852	\$158,364	
	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		\$13,544	\$13,484	\$13,424	\$13,364	\$13,305	\$13,246	\$13,147	\$13,088	\$13,029	\$12,970	\$12,911	\$12,852	\$158,364	

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

Line	Description	Beginning of Period Amount	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0	
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base	\$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	178,938	
3	Less Accumulated Depreciation	(98,489)	(99,205)	(99,921)	(100,637)	(101,353)	(102,069)	(102,785)	(103,501)	(104,217)	(104,933)	(105,649)	(106,365)	(107,081)		
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)	\$80,449	\$79,733	\$79,017	\$78,301	\$77,585	\$76,869	\$76,153	\$75,437	\$74,721	\$74,005	\$73,289	\$72,573	\$71,857		
6	Average Net Investment		80,091	79,375	78,659	77,943	77,227	76,511	75,795	75,079	74,363	73,647	72,931	72,215		
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec													
	a. Debt Component	2.09%	1.97%	139	138	137	136	134	133	124	123	122	121	120	118	1,545
	b. Equity Component Grossed Up For Taxes	5.75%	5.77%	384	381	377	374	370	367	364	361	357	354	351	347	4,387
	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							
	d. Property Taxes	0.9420%	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)		\$1,379	\$1,375	\$1,370	\$1,366	\$1,360	\$1,356	\$1,344	\$1,340	\$1,335	\$1,331	\$1,327	\$1,321	\$16,204	
	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		\$1,379	\$1,375	\$1,370	\$1,366	\$1,360	\$1,356	\$1,344	\$1,340	\$1,335	\$1,331	\$1,327	\$1,321	\$16,204	

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

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

Line	Description	Beginning of Period Amount	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0	
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base	\$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	730,295	
3	Less Accumulated Depreciation	(242,482)	(244,304)	(246,126)	(247,948)	(249,770)	(251,592)	(253,414)	(255,236)	(257,058)	(258,880)	(260,702)	(262,524)	(264,346)		
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)	\$487,813	\$485,991	\$484,169	\$482,347	\$480,525	\$478,703	\$476,881	\$475,059	\$473,237	\$471,415	\$469,593	\$467,771	\$465,949		
6	Average Net Investment		486,902	485,080	483,258	481,436	479,614	477,792	475,970	474,148	472,326	470,504	468,682	466,860		
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec													
	a. Debt Component	2.09%	1.97%	847	844	840	837	834	831	780	777	774	771	768	765	9,668
	b. Equity Component Grossed Up For Taxes	5.75%	5.77%	2,335	2,326	2,318	2,309	2,300	2,291	2,288	2,279	2,271	2,262	2,253	2,244	27,476
	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	1,822	21,864
	b. Amortization		0	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						
	d. Property Taxes	0.9930%	604	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	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$5,608	\$5,596	\$5,584	\$5,572	\$5,560	\$5,548	\$5,494	\$5,482	\$5,471	\$5,459	\$5,447	\$5,435	\$66,256	
	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		\$5,608	\$5,596	\$5,584	\$5,572	\$5,560	\$5,548	\$5,494	\$5,482	\$5,471	\$5,459	\$5,447	\$5,435	\$66,256	

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

Line	Description	Beginning of Period Amount	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0	
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base	\$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	1,037,199	
3	Less Accumulated Depreciation	(392,376)	(395,228)	(398,080)	(400,932)	(403,784)	(406,636)	(409,488)	(412,340)	(415,192)	(418,044)	(420,896)	(423,748)	(426,600)		
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)	\$644,823	\$641,971	\$639,119	\$636,267	\$633,415	\$630,563	\$627,711	\$624,859	\$622,007	\$619,155	\$616,303	\$613,451	\$610,599		
6	Average Net Investment		643,397	640,545	637,693	634,841	631,989	629,137	626,285	623,433	620,581	617,729	614,877	612,025		
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec													
	a. Debt Component	2.09%	1.97%	1,119	1,114	1,109	1,104	1,099	1,094	1,026	1,022	1,017	1,012	1,008	1,003	12,727
	b. Equity Component Grossed Up For Taxes	5.75%	5.77%	3,085	3,072	3,058	3,044	3,031	3,017	3,011	2,997	2,983	2,970	2,956	2,942	36,166
	c. Other			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							
	d. Property Taxes	0.8670%	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)		\$7,805	\$7,787	\$7,768	\$7,749	\$7,731	\$7,712	\$7,638	\$7,620	\$7,601	\$7,583	\$7,565	\$7,546	\$92,105	
	a. Recoverable Costs Allocated to Energy		0	0	0	0	0	0	0	0	0	0	0	0	0	
	b. Recoverable Costs Allocated to Demand		\$7,805	\$7,787	\$7,768	\$7,749	\$7,731	\$7,712	\$7,638	\$7,620	\$7,601	\$7,583	\$7,565	\$7,546	\$92,105	

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

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

Line	Description	Beginning of Period Amount	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0	
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base	\$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	3,616,904	
3	Less Accumulated Depreciation	(822,062)	(829,899)	(837,736)	(845,573)	(853,410)	(861,247)	(869,084)	(876,921)	(884,758)	(892,595)	(900,432)	(908,269)	(916,106)	(916,106)	
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)	\$2,794,842	\$2,787,005	\$2,779,168	\$2,771,331	\$2,763,494	\$2,755,657	\$2,747,820	\$2,739,983	\$2,732,146	\$2,724,309	\$2,716,472	\$2,708,635	\$2,700,798	\$2,700,798	
6	Average Net Investment		2,790,923	2,783,086	2,775,249	2,767,412	2,759,575	2,751,738	2,743,901	2,736,064	2,728,227	2,720,390	2,712,553	2,704,716		
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec													
	a. Debt Component	2.09%	1.97%	4,853	4,840	4,826	4,813	4,799	4,785	4,497	4,484	4,471	4,458	4,446	4,433	55,705
	b. Equity Component Grossed Up For Taxes	5.75%	5.77%	13,384	13,347	13,309	13,271	13,234	13,196	13,191	13,153	13,115	13,078	13,040	13,002	158,320
	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	7,837	94,044
	b. Amortization		0	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						
	d. Property Taxes	1.1630%	3,505	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	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$29,579	\$29,529	\$29,477	\$29,426	\$29,375	\$29,323	\$29,030	\$28,979	\$28,928	\$28,878	\$28,828	\$28,777	\$28,726	\$350,129
	a. Recoverable Costs Allocated to Energy		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand		\$29,579	\$29,529	\$29,477	\$29,426	\$29,375	\$29,323	\$29,030	\$28,979	\$28,928	\$28,878	\$28,828	\$28,777	\$28,726	\$350,129

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

Line	Description	Beginning of Period Amount	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0	
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base	\$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	141,435	
3	Less Accumulated Depreciation	(63,234)	(63,475)	(63,716)	(63,957)	(64,198)	(64,439)	(64,680)	(64,921)	(65,162)	(65,403)	(65,644)	(65,885)	(66,126)	(66,126)	
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)	\$78,201	\$77,960	\$77,719	\$77,478	\$77,237	\$76,996	\$76,755	\$76,514	\$76,273	\$76,032	\$75,791	\$75,550	\$75,309	\$75,309	
6	Average Net Investment		78,080	77,839	77,598	77,357	77,116	76,875	76,634	76,393	76,152	75,911	75,670	75,429		
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec													
	a. Debt Component	2.09%	1.97%	136	135	135	135	134	134	126	125	125	124	124	124	1,557
	b. Equity Component Grossed Up For Taxes	5.75%	5.77%	374	373	372	371	370	369	368	367	366	365	364	363	4,422
	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							
	d. Property Taxes	1.3030%	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)		\$905	\$903	\$902	\$901	\$899	\$898	\$889	\$887	\$886	\$884	\$883	\$882	\$882	\$10,719
	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		\$905	\$903	\$902	\$901	\$899	\$898	\$889	\$887	\$886	\$884	\$883	\$882	\$882	\$10,719

(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 4.1)
(in Dollars)

Line	Description	Beginning of Period Amount	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0	
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base	\$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	394,968	
3	Less Accumulated Depreciation	(203,712)	(205,489)	(207,266)	(209,043)	(210,820)	(212,597)	(214,374)	(216,151)	(217,928)	(219,705)	(221,482)	(223,259)	(225,036)		
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)	\$191,256	\$189,479	\$187,702	\$185,925	\$184,148	\$182,371	\$180,594	\$178,817	\$177,040	\$175,263	\$173,486	\$171,709	\$169,932		
6	Average Net Investment		190,367	188,590	186,813	185,036	183,259	181,482	179,705	177,928	176,151	174,374	172,597	170,820		
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec													
	a. Debt Component	2.09%	1.97%	331	328	325	322	319	316	295	292	289	286	283	280	3,666
	b. Equity Component Grossed Up For Taxes	5.75%	5.77%	913	904	896	887	879	870	864	855	847	838	830	821	10,404
	c. Other			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							
	d. Property Taxes	0.9930%	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)		\$3,348	\$3,336	\$3,325	\$3,313	\$3,302	\$3,290	\$3,263	\$3,251	\$3,240	\$3,228	\$3,217	\$3,205	\$39,318	
	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		\$3,348	\$3,336	\$3,325	\$3,313	\$3,302	\$3,290	\$3,263	\$3,251	\$3,240	\$3,228	\$3,217	\$3,205	\$39,318	

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

Line	Description	Beginning of Period Amount	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2	Plant-in-Service/Depreciation Base	\$33,092	33,092	33,092	33,092	33,092	33,092	33,092	33,092	33,092	33,092	33,092	33,092	33,092	33,092
3	Less Accumulated Depreciation	(19,563)	(19,665)	(19,767)	(19,869)	(19,971)	(20,073)	(20,175)	(20,277)	(20,379)	(20,481)	(20,583)	(20,685)	(20,787)	
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Net Investment (Lines 2 + 3 + 4)	\$13,529	\$13,427	\$13,325	\$13,223	\$13,121	\$13,019	\$12,917	\$12,815	\$12,713	\$12,611	\$12,509	\$12,407	\$12,305	
6	Average Net Investment		13,478	13,376	13,274	13,172	13,070	12,968	12,866	12,764	12,662	12,560	12,458	12,356	
7	Return on Average Net Investment (A)	Jan-Jun	Jul-Dec												
	a. Debt Component	2.09%	1.97%	23	23	23	23	23	21	21	21	21	20	20	262
	b. Equity Component Grossed Up For Taxes	5.75%	5.77%	65	64	64	63	63	62	61	61	60	60	59	744
	c. Other			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						
	d. Property Taxes	0.1645%	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)		\$195	\$194	\$194	\$193	\$193	\$192	\$190	\$189	\$189	\$188	\$187	\$186	\$2,290
	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		\$195	\$194	\$194	\$193	\$193	\$192	\$190	\$189	\$189	\$188	\$187	\$186	\$2,290

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

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

Line	Description	Beginning of Period Amount	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2	Plant-in-Service/Depreciation Base	\$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	2,365,947
3	Less Accumulated Depreciation	\$10,412	7,482	4,552	1,622	(1,308)	(4,238)	(7,168)	(10,098)	(13,028)	(15,958)	(18,888)	(21,818)	(24,748)	(24,748)
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Net Investment (Lines 2 + 3 + 4)	\$2,376,359	\$2,373,429	\$2,370,499	\$2,367,569	\$2,364,639	\$2,361,709	\$2,358,779	\$2,355,849	\$2,352,919	\$2,349,989	\$2,347,059	\$2,344,129	\$2,341,199	
6	Average Net Investment		2,374,894	2,371,964	2,369,034	2,366,104	2,363,174	2,360,244	2,357,314	2,354,384	2,351,454	2,348,524	2,345,594	2,342,664	
7	Return on Average Net Investment (A)														
	a. Debt Component	Jan-Jun	2.09%	1.97%											
	b. Equity Component Grossed Up For Taxes	Jul-Dec	5.75%	5.77%											
	c. Other														
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						
	d. Property Taxes	0.1645%	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)		\$18,773	\$18,754	\$18,735	\$18,716	\$18,697	\$18,677	\$18,449	\$18,431	\$18,412	\$18,393	\$18,374	\$18,355	\$222,766
	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		\$18,773	\$18,754	\$18,735	\$18,716	\$18,697	\$18,677	\$18,449	\$18,431	\$18,412	\$18,393	\$18,374	\$18,355	\$222,766

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

Line	Description	Beginning of Period Amount	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2	Plant-in-Service/Depreciation Base	\$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	290,297
3	Less Accumulated Depreciation	(79,086)	(79,611)	(80,136)	(80,661)	(81,186)	(81,711)	(82,236)	(82,761)	(83,286)	(83,811)	(84,336)	(84,861)	(85,386)	
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Net Investment (Lines 2 + 3 + 4)	\$211,211	\$210,686	\$210,161	\$209,636	\$209,111	\$208,586	\$208,061	\$207,536	\$207,011	\$206,486	\$205,961	\$205,436	\$204,911	
6	Average Net Investment		210,949	210,424	209,899	209,374	208,849	208,324	207,799	207,274	206,749	206,224	205,699	205,174	
7	Return on Average Net Investment (A)														
	a. Debt Component	Jan-Jun	2.09%	1.97%											
	b. Equity Component Grossed Up For Taxes	Jul-Dec	5.75%	5.77%											
	c. Other														
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						
	d. Property Taxes	0.8490%	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)		\$2,109	\$2,105	\$2,102	\$2,098	\$2,095	\$2,091	\$2,070	\$2,066	\$2,063	\$2,059	\$2,056	\$2,052	\$24,966
	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		\$2,109	\$2,105	\$2,102	\$2,098	\$2,095	\$2,091	\$2,070	\$2,066	\$2,063	\$2,059	\$2,056	\$2,052	\$24,966

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

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

Line	Description	Beginning of Period Amount	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2	Plant-in-Service/Depreciation Base	\$161,754	161,754	161,754	161,754	161,754	161,754	161,754	161,754	161,754	161,754	161,754	161,754	161,754	
3	Less Accumulated Depreciation	(48,185)	(48,589)	(48,993)	(49,397)	(49,801)	(50,205)	(50,609)	(51,013)	(51,417)	(51,821)	(52,225)	(52,629)	(53,033)	
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Net Investment (Lines 2 + 3 + 4)	\$113,569	\$113,165	\$112,761	\$112,357	\$111,953	\$111,549	\$111,145	\$110,741	\$110,337	\$109,933	\$109,529	\$109,125	\$108,721	
6	Average Net Investment		113,367	112,963	112,559	112,155	111,751	111,347	110,943	110,539	110,135	109,731	109,327	108,923	
7	Return on Average Net Investment (A)														
	a. Debt Component		2.09%	1.97%											2,254
	b. Equity Component Grossed Up For Taxes		5.75%	5.77%											6,405
	c. Other														0
8	Investment Expenses														
	a. Depreciation		3.0000%		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
	c. Dismantlement				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		0.9420%		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
9	Total System Recoverable Expenses (Lines 7 + 8)		\$1,272	\$1,269	\$1,267	\$1,264	\$1,261	\$1,259	\$1,246	\$1,243	\$1,241	\$1,239	\$1,236	\$1,234	\$15,031
	a. Recoverable Costs Allocated to Energy		0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand		\$1,272	\$1,269	\$1,267	\$1,264	\$1,261	\$1,259	\$1,246	\$1,243	\$1,241	\$1,239	\$1,236	\$1,234	\$15,031

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

Line	Description	Beginning of Period Amount	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2	Plant-in-Service/Depreciation Base	\$275,347	275,347	275,347	275,347	275,347	275,347	275,347	275,347	275,347	275,347	275,347	275,347	275,347	
3	Less Accumulated Depreciation	(58,153)	(58,511)	(58,869)	(59,227)	(59,585)	(59,943)	(60,301)	(60,659)	(61,017)	(61,375)	(61,733)	(62,091)	(62,449)	
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Net Investment (Lines 2 + 3 + 4)	\$217,194	\$216,836	\$216,478	\$216,120	\$215,762	\$215,404	\$215,046	\$214,688	\$214,330	\$213,972	\$213,614	\$213,256	\$212,898	
6	Average Net Investment		217,015	216,657	216,299	215,941	215,583	215,225	214,867	214,509	214,151	213,793	213,435	213,077	
7	Return on Average Net Investment (A)														
	a. Debt Component		2.09%	1.97%											4,359
	b. Equity Component Grossed Up For Taxes		5.75%	5.77%											12,390
	c. Other														0
8	Investment Expenses														
	a. Depreciation		1.5610%		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
	c. Dismantlement				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		0.9930%		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
9	Total System Recoverable Expenses (Lines 7 + 8)		\$2,004	\$2,002	\$1,999	\$1,998	\$1,995	\$1,992	\$1,971	\$1,969	\$1,966	\$1,964	\$1,962	\$1,959	\$23,781
	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		\$2,004	\$2,002	\$1,999	\$1,998	\$1,995	\$1,992	\$1,971	\$1,969	\$1,966	\$1,964	\$1,962	\$1,959	\$23,781

(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-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2	Plant-in-Service/Depreciation Base	\$198,988	198,988	198,988	198,988	198,988	198,988	198,988	198,988	198,988	198,988	198,988	198,988	198,988	198,988
3	Less Accumulated Depreciation	(52,479)	(52,863)	(53,247)	(53,631)	(54,015)	(54,399)	(54,783)	(55,167)	(55,551)	(55,935)	(56,319)	(56,703)	(57,087)	
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Net Investment (Lines 2 + 3 + 4)	\$146,509	\$146,125	\$145,741	\$145,357	\$144,973	\$144,589	\$144,205	\$143,821	\$143,437	\$143,053	\$142,669	\$142,285	\$141,901	
6	Average Net Investment		146,317	145,933	145,549	145,165	144,781	144,397	144,013	143,629	143,245	142,861	142,477	142,093	
7	Return on Average Net Investment (A)														
	a. Debt Component		2.09%	1.97%											2,923
	b. Equity Component Grossed Up For Taxes		5.75%	5.77%											8,308
	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						
	d. Property Taxes	0.9930%	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)		\$1,505	\$1,503	\$1,500	\$1,497	\$1,495	\$1,492	\$1,477	\$1,474	\$1,473	\$1,470	\$1,468	\$1,465	\$17,819
	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		\$1,505	\$1,503	\$1,500	\$1,497	\$1,495	\$1,492	\$1,477	\$1,474	\$1,473	\$1,470	\$1,468	\$1,465	\$17,819

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

Line	Description	Beginning of Period Amount	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2	Plant-in-Service/Depreciation Base	\$87,667	87,667	87,667	87,667	87,667	87,667	87,667	87,667	87,667	87,667	87,667	87,667	87,667	87,667
3	Less Accumulated Depreciation	(30,027)	(30,246)	(30,465)	(30,684)	(30,903)	(31,122)	(31,341)	(31,560)	(31,779)	(31,998)	(32,217)	(32,436)	(32,655)	
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Net Investment (Lines 2 + 3 + 4)	\$57,640	\$57,421	\$57,202	\$56,983	\$56,764	\$56,545	\$56,326	\$56,107	\$55,888	\$55,669	\$55,450	\$55,231	\$55,012	
6	Average Net Investment		57,531	57,312	57,093	56,874	56,655	56,436	56,217	55,998	55,779	55,560	55,341	55,122	
7	Return on Average Net Investment (A)														
	a. Debt Component		2.09%	1.97%											1,142
	b. Equity Component Grossed Up For Taxes		5.75%	5.77%											3,246
	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						
	d. Property Taxes	1.1630%	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)		\$680	\$679	\$677	\$676	\$675	\$673	\$666	\$665	\$663	\$662	\$661	\$659	\$8,036
	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		\$680	\$679	\$677	\$676	\$675	\$673	\$666	\$665	\$663	\$662	\$661	\$659	\$8,036

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

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

Line	Description	Beginning of Period Amount	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2	Plant-in-Service/Depreciation Base	\$347,198	347,198	347,198	347,198	347,198	347,198	347,198	347,198	347,198	347,198	347,198	347,198	347,198	
3	Less Accumulated Depreciation	(97,245)	(98,084)	(98,923)	(99,762)	(100,601)	(101,440)	(102,279)	(103,118)	(103,957)	(104,796)	(105,635)	(106,474)	(107,313)	
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Net Investment (Lines 2 + 3 + 4)	\$249,953	\$249,114	\$248,275	\$247,436	\$246,597	\$245,758	\$244,919	\$244,080	\$243,241	\$242,402	\$241,563	\$240,724	\$239,885	
6	Average Net Investment		249,533	248,694	247,855	247,016	246,177	245,338	244,499	243,660	242,821	241,982	241,143	240,304	
7	Return on Average Net Investment (A)														
	a. Debt Component		2.09%	1.97%											4,966
	b. Equity Component Grossed Up For Taxes		5.75%	5.77%											14,112
	c. Other														0
8	Investment Expenses														
	a. Depreciation		2.9000%		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
	c. Dismantlement				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		0.9930%		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
9	Total System Recoverable Expenses (Lines 7 + 8)		\$2,757	\$2,751	\$2,746	\$2,741	\$2,735	\$2,730	\$2,720	\$2,696	\$2,691	\$2,686	\$2,680	\$2,675	\$32,590
	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		\$2,757	\$2,751	\$2,746	\$2,741	\$2,735	\$2,730	\$2,720	\$2,696	\$2,691	\$2,686	\$2,680	\$2,675	\$32,590

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

Line	Description	Beginning of Period Amount	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2	Plant-in-Service/Depreciation Base	\$349,583	349,583	349,583	349,583	349,583	349,583	349,583	349,583	349,583	349,583	349,583	349,583	349,583	
3	Less Accumulated Depreciation	(104,455)	(105,242)	(106,029)	(106,816)	(107,603)	(108,390)	(109,177)	(109,964)	(110,751)	(111,538)	(112,325)	(113,112)	(113,899)	
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Net Investment (Lines 2 + 3 + 4)	\$245,129	\$244,342	\$243,555	\$242,768	\$241,981	\$241,194	\$240,407	\$239,620	\$238,833	\$238,046	\$237,259	\$236,472	\$235,685	
6	Average Net Investment		244,735	243,948	243,161	242,374	241,587	240,800	240,013	239,226	238,439	237,652	236,865	236,078	
7	Return on Average Net Investment (A)														
	a. Debt Component		2.09%	1.97%											4,873
	b. Equity Component Grossed Up For Taxes		5.75%	5.77%											13,852
	c. Other														0
8	Investment Expenses														
	a. Depreciation		2.7000%		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
	c. Dismantlement				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		0.8500%		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
9	Total System Recoverable Expenses (Lines 7 + 8)		\$2,635	\$2,629	\$2,624	\$2,618	\$2,614	\$2,609	\$2,582	\$2,577	\$2,572	\$2,566	\$2,562	\$2,557	\$31,145
	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		\$2,635	\$2,629	\$2,624	\$2,618	\$2,614	\$2,609	\$2,582	\$2,577	\$2,572	\$2,566	\$2,562	\$2,557	\$31,145

(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	Beginning of Period Amount	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2	Plant-in-Service/Depreciation Base	\$0	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	0
3a	Regulatory Asset Balance (B)	9,674	6,450	3,225	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Net Investment (Lines 2 + 3 + 4)	\$9,674	\$6,450	\$3,225	(\$0)	(\$0)	(\$0)	(\$0)	(\$0)	(\$0)	(\$0)	(\$0)	(\$0)	(\$0)	(\$0)
6	Average Net Investment		8,062	4,837	1,612	0	0	0	0	0	0	0	0	0	0
7	Return on Average Net Investment (A)														
	a. Debt Component	Jan-Jun	2.09%	Jul-Dec	1.97%										
	b. Equity Component Grossed Up For Taxes	5.75%	5.77%												
	c. Other														
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	0	0	0	0	0	0	0	0	0	9,674
	c. Dismantlement		N/A	N/A	N/A	N/A	N/A	N/A	N/A						
	d. Property Taxes	1.1630%	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)		\$3,278	\$3,256	\$3,236	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,769
	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		\$3,278	\$3,256	\$3,236	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,769

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

Line	Description	Beginning of Period Amount	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2	Plant-in-Service/Depreciation Base	\$381,560	381,560	381,560	381,560	381,560	381,560	381,560	381,560	381,560	381,560	381,560	381,560	381,560	381,560
3	Less - Accumulated Depreciation	(\$61,266)	(61,689)	(62,112)	(62,535)	(62,958)	(63,381)	(63,804)	(64,227)	(64,650)	(65,073)	(65,496)	(65,919)	(66,342)	
4	CWIP - Non-Interest Bearing	\$0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Net Investment (Lines 2 + 3 + 4)	\$320,294	\$319,871	\$319,448	\$319,025	\$318,602	\$318,179	\$317,756	\$317,333	\$316,910	\$316,487	\$316,064	\$315,641	\$315,218	
6	Average Net Investment		320,082	319,659	319,236	318,813	318,390	317,967	317,544	317,121	316,698	316,275	315,852	315,429	
7	Return on Average Net Investment (A)														
	a. Debt Component	Jan-Jun	2.09%	Jul-Dec	1.97%										
	b. Equity Component Grossed Up For Taxes	5.75%	5.77%												
	c. Other														
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						
	d. Property Taxes	0.8060%	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)		\$2,771	\$2,768	\$2,765	\$2,762	\$2,760	\$2,757	\$2,726	\$2,723	\$2,720	\$2,717	\$2,715	\$2,712	\$32,896
	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		\$2,771	\$2,768	\$2,765	\$2,762	\$2,760	\$2,757	\$2,726	\$2,723	\$2,720	\$2,717	\$2,715	\$2,712	\$32,896

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

Line	Description	Beginning of Period Amount	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2	Plant-in-Service/Depreciation Base	\$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	2,149,100
3	Less Accumulated Depreciation	(\$182,129)	(186,553)	(190,977)	(195,401)	(199,825)	(204,249)	(208,673)	(213,097)	(217,521)	(221,945)	(226,369)	(230,793)	(235,217)	
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Net Investment (Lines 2 + 3 + 4)	\$1,966,971	\$1,962,547	\$1,958,123	\$1,953,699	\$1,949,275	\$1,944,851	\$1,940,427	\$1,936,003	\$1,931,579	\$1,927,155	\$1,922,731	\$1,918,307	\$1,913,883	
6	Average Net Investment		1,964,759	1,960,335	1,955,911	1,951,487	1,947,063	1,942,639	1,938,215	1,933,791	1,929,367	1,924,943	1,920,519	1,916,095	
7	Return on Average Net Investment (A)														
	a. Debt Component	Jan-Jun 2.09%	3,417	3,409	3,401	3,394	3,386	3,378	3,177	3,169	3,162	3,155	3,148	3,140	39,336
	b. Equity Component Grossed Up For Taxes	5.75%	9,422	9,401	9,380	9,359	9,337	9,316	9,317	9,296	9,275	9,254	9,232	9,211	111,800
	c. Other	5.77%	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						
	d. Property Taxes	0.1703%	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)		\$17,568	\$17,539	\$17,510	\$17,482	\$17,452	\$17,423	\$17,223	\$17,194	\$17,166	\$17,138	\$17,109	\$17,080	\$207,884
	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		\$17,568	\$17,539	\$17,510	\$17,482	\$17,452	\$17,423	\$17,223	\$17,194	\$17,166	\$17,138	\$17,109	\$17,080	\$207,884

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

Line	Description	Beginning of Period Amount	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	End of Period Total
1	Investments														
	a. Expenditures/Additions		\$1,371,979	\$1,237,479	\$974,639	\$579,883	\$225,674	\$708,445	\$412,457	\$165,535	\$35,000	\$35,000	\$35,000	\$35,000	\$5,816,092
	b. Clearings to Plant		0	79,482,748	974,639	579,883	225,674	708,445	412,457	165,535	35,000	35,000	35,000	35,000	0
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2	Plant-in-Service/Depreciation Base	\$614,010	614,010	80,096,758	81,071,397	81,651,280	81,876,954	82,585,399	82,997,856	83,163,391	83,198,391	83,233,391	83,268,391	83,303,391	
3	Less Accumulated Depreciation	(\$43,163)	(43,923)	(143,109)	(243,502)	(344,614)	(446,005)	(548,273)	(651,052)	(754,036)	(857,063)	(960,134)	(1,063,248)	(1,166,405)	
4	CWIP - Non-Interest Bearing	76,873,290	78,245,269	0	0	0	0	0	0	0	0	0	0	0	0
5	Net Investment (Lines 2 + 3 + 4)	\$77,444,137	\$78,815,356	\$79,953,649	\$80,827,895	\$81,306,666	\$81,430,949	\$82,037,126	\$82,346,804	\$82,409,355	\$82,341,328	\$82,273,257	\$82,205,143	\$82,136,986	
6	Average Net Investment		78,129,747	79,384,503	80,390,772	81,067,280	81,368,807	81,734,038	82,191,965	82,378,080	82,375,342	82,307,293	82,239,200	82,171,065	
7	Return on Average Net Investment (A)														
	a. Debt Component	Jan-Jun 2.09%	135,868	138,050	139,800	140,976	141,500	142,135	134,706	135,011	135,006	134,895	134,783	134,672	1,647,402
	b. Equity Component Grossed Up For Taxes	5.75%	374,678	380,695	385,521	388,765	390,211	391,962	395,115	396,010	395,997	395,670	395,342	395,015	4,684,981
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation	1.4860%	760	99,186	100,393	101,112	101,391	102,268	102,779	102,984	103,027	103,071	103,114	103,157	1,123,242
	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						
	d. Property Taxes	0.1703%	87	11,366	11,505	11,587	11,619	11,720	11,778	11,802	11,807	11,812	11,816	11,821	128,720
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$511,393	\$629,297	\$637,219	\$642,440	\$644,721	\$648,085	\$644,378	\$645,807	\$645,837	\$645,448	\$645,055	\$644,665	\$7,584,345
	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		\$511,393	\$629,297	\$637,219	\$642,440	\$644,721	\$648,085	\$644,378	\$645,807	\$645,837	\$645,448	\$645,055	\$644,665	\$7,584,345

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 AFUDC - FGD Common (Project 7.4r) - CR4 Clinker Mitigation
(in Dollars)

Line	Description	Beginning of Period Amount	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2	Plant-in-Service/Depreciation Base	\$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	660,998
3	Less Accumulated Depreciation	(\$87,865)	(89,226)	(90,587)	(91,948)	(93,309)	(94,670)	(96,031)	(97,392)	(98,753)	(100,114)	(101,475)	(102,836)	(104,197)	
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Net Investment (Lines 2 + 3 + 4)	\$573,133	\$571,772	\$570,411	\$569,050	\$567,689	\$566,328	\$564,967	\$563,606	\$562,245	\$560,884	\$559,523	\$558,162	\$556,801	
6	Average Net Investment		572,453	571,092	569,731	568,370	567,009	565,648	564,287	562,926	561,565	560,204	558,843	557,482	
7	Return on Average Net Investment (A)														
	a. Debt Component	Jan-Jun 2.09%	995	993	991	988	986	984	925	923	920	918	916	914	11,453
	b. Equity Component Grossed Up For Taxes	5.75%	2,745	2,739	2,732	2,726	2,719	2,713	2,706	2,700	2,693	2,686	2,680	2,680	32,552
	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						
	d. Property Taxes	0.1703%	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)		\$5,195	\$5,187	\$5,178	\$5,169	\$5,160	\$5,152	\$5,093	\$5,084	\$5,075	\$5,066	\$5,057	\$5,049	\$61,465
	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		\$5,195	\$5,187	\$5,178	\$5,169	\$5,160	\$5,152	\$5,093	\$5,084	\$5,075	\$5,066	\$5,057	\$5,049	\$61,465

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

Line	Description	Beginning of Period Amount	Actual Jan-19	Actual Feb-19	Actual Mar-19	Actual Apr-19	Actual May-19	Actual Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	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	0
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
2	Plant-in-Service/Depreciation Base	\$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	505,904
3	Less Accumulated Depreciation	(\$54,331)	(55,372)	(56,413)	(57,454)	(58,495)	(59,536)	(60,577)	(61,618)	(62,659)	(63,700)	(64,741)	(65,782)	(66,823)	
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Net Investment (Lines 2 + 3 + 4)	\$451,573	\$450,532	\$449,491	\$448,450	\$447,409	\$446,368	\$445,327	\$444,286	\$443,245	\$442,204	\$441,163	\$440,122	\$439,081	
6	Return on Average Net Investment (A)		451,053	450,012	448,971	447,930	446,889	445,848	444,807	443,766	442,725	441,684	440,643	439,602	
7	Return on Average Net Investment														
	a. Debt Component	Jan-Jun 2.09%	784	783	781	779	777	775	729	727	726	724	722	720	9,027
	b. Equity Component Grossed Up For Taxes	5.75%	2,163	2,158	2,153	2,148	2,143	2,138	2,138	2,133	2,128	2,123	2,118	2,113	25,656
	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						
	d. Property Taxes	0.1703%	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)		\$4,060	\$4,054	\$4,047	\$4,040	\$4,033	\$4,026	\$3,980	\$3,973	\$3,967	\$3,960	\$3,953	\$3,946	\$48,039
	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		\$4,060	\$4,054	\$4,047	\$4,040	\$4,033	\$4,026	\$3,980	\$3,973	\$3,967	\$3,960	\$3,953	\$3,946	\$48,039

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.

DOCKET NO. 20190007-EI

DIRECT TESTIMONY OF

TIMOTHY HILL

ON BEHALF OF

DUKE ENERGY FLORIDA, LLC

1 BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

2 DIRECT TESTIMONY OF

3 TIMOTHY HILL

4 ON BEHALF OF

5 DUKE ENERGY FLORIDA, LLC

6 DOCKET NO. 20190007-EI

7 July 26, 2019

8

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

10 A. My name is Timothy Hill. My business address is 400 South Tryon Street, Charlotte, NC
11 28202.

12

13 **Q. By whom are you employed?**

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

17

18 **Q. Have you previously filed testimony before this Commission in Docket No. 20190007-
19 EI?**

20 A. Yes, I provided direct testimony on March 29, 2019.

21

22 **Q. Has your job description, education, background and professional experience changed
23 since that time?**

24 A. No.

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Q. What is the purpose of your testimony?

A. The purpose of my testimony is to explain material variances between 2019 actual/estimated cost projections and original 2019 cost projections for environmental compliance costs associated with DEF’s Coal Combustion Residual (“CCR”) Rule compliance project.

Q. Please explain the variance between actual/estimated project expenditures and original projections for CCR (Project 18) O&M for the period January 2019 through December 2019.

A. O&M expenditures for CCR are expected to be \$2,104,595 or 51% lower than projected. This is primarily due to updates in costs, implementation methods, and timing associated with the FGD settling pond closure. There has also been favorable pricing obtained through bid events.

Q. Please explain the variance between actual/estimated project expenditures and original projections for CCR (Project 18) Capital for the period January 2019 through December 2019.

A. Capital expenditures for CCR originally forecasted to occur in 2019 will be moved to 2020. DEF forecasted \$168k of capital spending in 2019 for engineering for design and permitting associated with a potential new lined landfill unit as a possible corrective action measure to address groundwater quality impacts as required for compliance with the CCR Rule. This was consistent with the understanding and discussions about the rule requirements at the time. DEF continues to analyze the rule and expects to select the final corrective action measure(s) as early as fourth quarter of this year and will begin incurring charges in 2020.

1

2 **Q. Does this conclude your testimony?**

3 **A. Yes.**

DOCKET NO. 20190007-EI

DIRECT TESTIMONY OF

KIM SPENCE McDANIEL

ON BEHALF OF

DUKE ENERGY FLORIDA, LLC

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BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION
DIRECT TESTIMONY OF
KIM SPENCE McDANIEL
ON BEHALF OF
DUKE ENERGY FLORIDA, LLC
DOCKET NO. 20190007-EI
July 26, 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. Have you previously filed testimony before this Commission in Docket No. 20190007-EI?

A. Yes, I provided direct testimony on March 29, 2019.

Q. Has your job description, education, background and professional experience changed since that time?

A. No.

Q. What is the purpose of your testimony?

A. The purpose of my testimony is to explain material variances between 2019 actual/estimated cost projections and original 2019 cost projections for environmental compliance costs associated with FPSC-approved programs

1 under my responsibility. These programs include the Substation Environmental
2 Investigation, Remediation and Pollution Prevention Program (Project 1 & 1a),
3 Distribution System Environmental Investigation, Remediation and Pollution
4 Prevention Program (Project 2), Pipeline Integrity Management (PIM) (Project
5 3), Above Ground Secondary Containment (Project 4), Phase II Cooling Water
6 Intake – 316(b) (Project 6), CAIR/CAMR - Peaking (Project 7.2), Best
7 Available Retrofit Technology (BART) (Project 7.5), Arsenic Groundwater
8 Standard (Project 8), Sea Turtle Coastal Street Lighting Program (Project 9),
9 Underground Storage Tanks (Project 10), Modular Cooling Towers (Project 11),
10 Thermal Discharge Permanent Cooling Tower (Project 11.1), Greenhouse Gas
11 Inventory and Reporting (Project 12), Mercury Total Daily Maximum Loads
12 Monitoring (Project 13), Hazardous Air Pollutants Information Collection
13 Request (ICR) Program (Project 14), Effluent Limitation Guidelines Program
14 (Project 15.1), National Pollutant Discharge Elimination System (NPDES)
15 (Project 16) and Mercury and Air Toxics Standards (MATS) – Crystal River
16 (CR) 4&5 (Project 17) for the period January 2019 through December 2019.

17

18 **Q. Please explain the variance between actual/estimated project expenditures**
19 **and original projections for Substation Environmental Investigation,**
20 **Remediation and Pollution Prevention Program (Projects 1 & 1a) for the**
21 **period January 2019 through December 2019.**

22 A. O&M expenditures for the substation system program are estimated to be
23 \$222,258 or 54% higher than originally projected. Project 1, Transmission
24 Substation Remediation, is forecasted to be \$210k, or 51% higher than

1 originally projected. The variance is primarily due to remediation costs,
2 originally forecasted to occur in 2018, shifting to 2019 when project resumed at
3 the Central Florida and Clearwater Substations. Project 1a, Distribution
4 Substation Remediation, is forecasted to be \$12k, or 100% higher than
5 originally projected. The distribution portion of this program is now complete,
6 and the variance is primarily attributable to remediation activities associated
7 with the completion of final remediation reports submitted to the Florida
8 Department of Environmental Protection.

9

10 **Q. Please explain the variance between actual/estimated O&M project**
11 **expenditures and original projections for Phase II Cooling Water Intake**
12 **316(b) (Projects 6 & 6a) for the period January 2019 through December**
13 **2019.**

14 A. O&M expenditures for Phase II Cooling Water Intake 316(b) are expected to be
15 \$418,476 or 140% higher than originally forecasted. This is primarily due to
16 additional work scope being required for the mandated 316(b) reports, and to
17 provide further details for compliance options being evaluated. The additional
18 work scope includes more detailed biological, engineering and economic
19 evaluations, and modelling efforts.

20

21 **Q. Please explain the variance between actual/estimated project expenditures**
22 **and original projections for Sea Turtle – Coastal Street Lighting (Project 9)**
23 **for the period January 2019 through December 2019.**

1 A. O&M expenditures for Sea Turtle – Coastal Street Lighting are expected to be
2 \$48,324 lower than forecasted. Turtle nesting season has recently begun and
3 DEF has not received any new requests from Gulf County or Pinellas County
4 Code Enforcement of any issues regarding new lighting fixtures, therefore the
5 \$350 forecasted is not expected to be spent. There was an adjustment of
6 \$47,974 from the 2018 True-Up Filing, dated March 29, 2019 in this Docket.
7 As referenced in DEF’s response to Staff’s Second Interrogatories, Question 8.c,
8 DEF has credited the cost of the sea turtle lighting retrofit, including commercial
9 paper interest, totaling \$47,974. This adjustment can be seen on Exhibit CAM-
10 3, Page 6 of 27, Line 1-9, Column Jul-19.

11

12 **Q. Please explain the variance between actual/estimated project expenditures**
13 **and original projections for the Effluent Limitation Guidelines CRN**
14 **(Project 15.1) for the period January 2019 through December 2019.**

15 A. Capital expenditures are forecasted to be \$1,759,119 or 100% higher than
16 originally forecasted. This is due to timing, no capital expenditures were
17 originally projected for 2019. Work originally planned for 2018 was shifted to
18 2019 to provide additional time for engineering design and for continued
19 discussions with FDEP to address ELG requirements in the CR 4&5 NPDES
20 permit renewal process.

21

22 **Q. Please explain the variance between actual/estimated project expenditures**
23 **and original projections for MATS CR4&5 (Project 17) for the period**
24 **January 2019 through December 2019.**

1 A. O&M expenditures for MATS CR 4&5 are expected to be \$435,159 or 73%
2 lower than forecasted. This is primarily due to lower than originally forecasted
3 run times on CR 4&5, resulting in more time the unit was in reserve.

4

5 **Q. Please provide an update of 316(b) regulations.**

6 A. The 316(b) rule became effective October 15, 2014, to minimize impingement
7 and entrainment of fish and aquatic life drawn into cooling systems at power
8 plants and factories. There are seven pre-approved impingement options.
9 Entrainment compliance is site specific (mesh screen or closed-cycle cooling).
10 Legal challenges to the 316(b) rule have so far been unsuccessful. The U.S.
11 Court of Appeals for the Second Circuit issued an opinion on the consolidated
12 challenges to the 316(b) Rule for Existing Facilities. The court upheld the Rule,
13 the Services' biological opinion, and the incidental take statement, concluding
14 the each action was based on reasonable interpretations of the applicable statutes
15 and sufficiently supported by the adequate record. The court also found that
16 EPA complied with applicable procedures, including by giving adequate notice
17 of the final rule's provisions to the public.
18 The regulation primarily applies to facilities that commenced construction on or
19 before January 17, 2002, and to new units at existing facilities that are built to
20 increase the generating capacity of the facility. All facilities that withdraw
21 greater than 2 million gallons per day from waters of the U.S. and where twenty-
22 five percent (25%) of the withdrawn water is used for cooling purposes are
23 subject to the regulation.

1 Per the final rule, required 316(b) studies and information submittals will be tied
2 to NPDES permit renewals. For permits that expire within 45 months of the
3 effective date of the final rule, certain information must be submitted with the
4 renewal application. Other information, including field study results, will be
5 required to be submitted pursuant to a schedule included in the re-issued NPDES
6 permit. Both the Anclote and Bartow stations are within this schedule and the
7 required information is being prepared for submittal with the renewal
8 applications due July 2020 and August 2020, respectively. Retirement of
9 Crystal River Units 1 & 2 in 2018 satisfied 316(b) requirements for those units.
10 A 316(b) Complinance Plan for Crystal River Units 4 & 5 is being developed as
11 part of the current permit renewal for those units.

12 For NPDES permits that expire more than 45 months from the effective date of
13 the rule, all information, including study results, is required to be submitted as
14 part of the renewal application.

15

16 **Q. Please provide an update on Carbon Regulations.**

17 A. For existing Units, on October 23, 2015, EPA published the final New Source
18 Performance Standards (“NSPS”) for CO2 emissions from existing fossil fuel-
19 fired electric generating units (also known as the “Clean Power Plan” or “CPP”).
20 The final CPP was challenged by 27 states and a number of industry groups,
21 with oral arguments held before the D.C. Circuit Court of Appeals on September
22 27, 2016. In addition, on February 8, 2016, the U.S. Supreme Court placed a
23 stay on the CPP until all litigation is completed.

24

1 Also, on October 23, 2015, EPA published the final NSPS for CO2 emissions
2 for new, modified, and reconstructed fossil fuel-fired EGUs. The rule includes
3 emission limits of 1,400 lb. CO2/MWh for new coal-fired units and 1,000 lb.
4 CO2/MWh for new natural gas combined-cycle units. This rule has also been
5 challenged and is currently on appeal to the D.C. Circuit Court of Appeals.

6

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

- 15 • The final CO2 emission standards for existing power plants (CPP);
- 16 • The final CO2 emission standards for new power plants (CO2 NSPS);
- 17 • The proposed Federal Plan and Model Trading Rules that accompanied
18 the CPP.

19 In response to the EO, the Department of Justice filed motions with the D.C.
20 Circuit Court to stay the litigation of both the CPP and the CO2 NSPS rules
21 while each is reviewed by EPA. As a result, the D.C. Circuit has granted a
22 number of 60-day extensions holding the CPP litigation in abeyance. The most
23 recent extension was issued on June 20, 2019. Neither the EO nor the abeyance
24 change the current status of the CPP which is under a legal hold by the U.S.

1 Supreme Court. With regard to the CO2 NSPS, that rule will remain in effect
2 pending the outcome of EPA’s review.

3

4 On June 19, 2019, EPA signed a final rule informally referred to as the
5 Affordable Clean Energy (“ACE”) Rule, which repeals and replaces the CPP. In
6 the ACE Rule, EPA finalized revised guidelines to replace the CPP and inform
7 the development of state plans to reduce GHG emissions from existing coal-
8 fired electric generating units (EGUs). EPA has determined that heat rate
9 improvement measures are the best system of emission reduction (BESR) for
10 reducing GHG emissions from existing coal-fired EGUs. The rule requires states
11 to develop their individual state plan within three years of the effective date of
12 the ACE Rule.

13 DEF is currently evaluating the potential impacts from the final ACE Rule, but
14 does not expect to incur ECRC costs in 2020 related to carbon regulations.

15

16 **Q. Please provide an update on the Waters of the United States (WOTUS)**
17 **Rule.**

18 A. On June 29, 2015, the EPA and the Army Corps of Engineers (“Corps”)
19 published the final Clean Water Rule that significantly expands the definition of
20 the Waters of the United States (“WOTUS”). On October 9, 2015, the U.S.
21 Court of Appeals for the Sixth Circuit granted a nationwide stay of the rule
22 effective through the conclusion of the judicial review process. On February 22,
23 2016, the court issued an opinion that it has jurisdiction and is the appropriate
24 venue to hear the merits of legal challenges to the rule; however, that decision

1 was contested, and on January 13, 2017 the U.S. Supreme Court decided to
2 review the jurisdictional question. Oral arguments in the U.S. Supreme Court
3 were conducted in October 2017. On January 22, 2018 the U.S. Supreme Court
4 issued its decision stating federal courts, rather than federal appellate courts,
5 have jurisdiction over challenges to the rule defining waters of the United States.
6 Consistent with the U.S. Supreme Court decision, the U.S. Court of Appeals for
7 the Sixth Circuit lifted its nationwide stay on February 28, 2018. The stay
8 issued by the North Dakota District Court remains in effect, but only within the
9 thirteen states within the North Dakota District. On June 8, 2018, the Southern
10 District Georgia Court entered a Preliminary Injunction enjoining
11 implementation of the WOTUS rule in eleven states including Florida.

12
13 On June 27, 2017, the EPA and the Corps published a proposed rule to repeal
14 the 2015 WOTUS rule and re-codify the definition of WOTUS which is
15 currently in place. On January 31, 2018 the EPA and Corps announced a final
16 rule adding an applicability date to the 2015 rule, thereby deferring
17 implementation to early 2020. This rule has no immediate impact to Duke
18 Energy. The agencies will continue to apply the pre-existing WOTUS definition
19 that was in place prior to 2015 rule until 2020. EPA intends to publish the final
20 rule in December 2019.

21
22 **Q. Does this conclude your testimony?**

23 **A.** Yes.

DOCKET NO. 20190007-EI

DIRECT TESTIMONY OF

JEFFREY SWARTZ

ON BEHALF OF

DUKE ENERGY FLORIDA, LLC

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BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

DIRECT TESTIMONY OF

JEFFREY SWARTZ

ON BEHALF OF

DUKE ENERGY FLORIDA, LLC

DOCKET NO. 20190007-EI

July 26, 2019

Q. Please state your name and business address.

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

Q. Have you previously filed testimony before this Commission in Docket No. 20190007-EI?

A. Yes, I provided direct testimony on March 29, 2019.

Q. Has your job description, education, background and professional experience changed since that time?

A. No.

Q. What is the purpose of your testimony?

A. The purpose of my testimony is to explain material variances between 2019 actual/estimated cost projections and original 2019 cost projections for environmental compliance costs associated with FPSC-approved environmental

1 programs under my responsibility. These programs include the CAIR/CAMR
2 Crystal River (“CR”) Program (Project 7.4) and Mercury & Air Toxics
3 Standards (MATS) – Crystal River 1&2 Program (Project 17.2).

4
5 **Q. How do actual/estimated O&M project expenditures compare with original**
6 **projections for the CAIR/CAMR CR Program (Project 7.4) for the period**
7 **January 2019 through December 2019?**

8 A. O&M expenditures are expected to be \$12,004,847 or 34% lower than originally
9 projected. This projected variance is primarily due to \$0.9M lower than
10 originally projected CAIR-Base costs, \$9.1M lower than originally projected
11 CAIR-Energy (Reagents), \$2M lower than originally projected CAIR-
12 Conditions of Certification (Energy), and \$37k lower than originally projected
13 CAIR-A&G expense.

14
15 **Q. Please explain the variance between actual/estimated O&M expenditures**
16 **and the original projections for O&M expenditures for the CAIR/CAMR**
17 **CR-Base Program (Project 7.4) for the period January 2019 through**
18 **December 2019?**

19 A. O&M expenditures the CAIR/CAMR CR-Base Program are expected to be
20 \$935,274 or 6% lower than originally forecasted. This is primarily due to
21 generation run times at CR 4 and 5 forecasted to be lower than originally
22 projected, and contractor and material costs coming in lower than originally
23 budgeted.

24

1 **Q. Please explain the variance between actual/estimated O&M expenditures**
2 **and the original projections for O&M expenditures for the CAIR/CAMR**
3 **CR-Energy (Reagents) Program (Project 7.4) for the period January 2019**
4 **through December 2019?**

5 A. O&M expenditures for the CAIR/CAMR CR-Energy (Reagents) Program are
6 expected to be \$9,056,687 or 53% lower than originally forecasted. This is
7 primarily due to lower than projected generation at CR units 4 and 5, as well as
8 a planned outage at unit 5 being longer than originally scheduled. Ammonia
9 expense is forecasted to come in approximately \$2.4M or 56% lower than
10 originally forecasted, limestone expected is forecasted to come in approximately
11 \$2.7M or 36% lower than originally forecasted, gypsum expense is forecasted to
12 come in approximately \$2.6M or 114% lower than originally forecasted, and
13 hydrated lime is forecasted to come in approximately \$1.4M or 41% lower than
14 originally forecasted.

15

16 **Q. Please explain the variance between actual/estimated O&M expenditures**
17 **and the original projections for O&M expenditures for the CAIR/CAMR**
18 **CR-Energy (Conditions of Certification) Program (Project 7.4) for the**
19 **period January 2019 through December 2019?**

20 A. O&M expenditures for the CAIR/CAMR CR-Energy (Conditions of
21 Certification) Program are expected to be \$1,975,775 or 68% lower than
22 originally forecasted. This is primarily due to less resources than originally
23 budgeted and reduced contractor expense due to reduced unit run time.

24

1 **Q. How do actual/estimated Capital project expenditures compare with**
2 **original projections for the CAIR/CAMR CR (Conditions of Certification)**
3 **Program (Project 7.4q) for the period January 2019 through December**
4 **2019?**

5 A. Capital expenditures for the CAIR/CAMR CR (Conditions of Certification)
6 Program are expected to be \$1,912,081 or 49% higher than originally projected
7 primarily due to construction work delays stemming from unforeseen
8 underground conditions, weather delays, and changes in implementation work.
9 This shifted some work that was originally planned for 2018 into 2019. This
10 project was placed in-service on February 16, 2019.

11
12 **Q. How do actual/estimated O&M expenditures compare with original**
13 **projections for the Mercury & Air Toxics Standards (MATS) – Crystal**
14 **River 1&2 Program (Project 17.2) for the period January 2019 through**
15 **December 2019?**

16 A. Capital expenditures for the Mercury & Air Toxics Standards (MATS) – Crystal
17 River 1&2 Program are expected to be \$14,848 or 25% lower than originally
18 projected. The invoice received in 2019 completes Units 1&2 project costs.
19 Crystal River units 1 & 2 were retired December 2018.

20
21 **Q. Does this conclude your testimony?**

22 A. Yes.