



Dianne M. Triplett
DEPUTY GENERAL COUNSEL

July 31, 2020

VIA ELECTRONIC FILING

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

Re: *Environmental Cost Recovery Clause; Docket No. 20200007-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 2020 Actual/Estimated True-Up Report. The filing includes the following:

- DEF's Petition for Approval of Environmental Cost Recovery Actual/Estimated True-Up for the period January 2020 to December 2020;
- Direct Testimony of Christopher A. Menendez and Exhibit No. ____ (CAM-3) and Exhibit No. ____ (CAM-4);
- Direct Testimony of Timothy Hill;
- Direct Testimony of Jeffrey Swartz; and
- Direct Testimony of Kim McDaniel

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

Sincerely,

/s/ Dianne M. Triplett
Dianne M. Triplett

DMT/cmw
Enclosures

BEFORE THE PUBLIC SERVICE COMMISSION

In re: Environmental Cost Recovery Clause

Docket No. 20200007-EI

Dated: July 31, 2020

**DUKE ENERGY FLORIDA'S PETITION FOR APPROVAL OF 2020
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 2020 to December 2020. 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 \$8,097,179.

2. The amount will have deducted from it the final true-up under-recovery of \$1,792,439 for 2019 discussed in Mr. Menendez’s April 1, 2020 testimony filed in this docket, resulting in a net over-recovery of \$6,304,739. 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.

2. 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 \$6,304,739 for the period January 2020 through December 2020 as set forth herein and in the testimony and supporting exhibits of Mr. Menendez.

This 31st day of July, 2020.

Respectfully submitted,

/s/Dianne M. Triplett
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CERTIFICATE OF SERVICE

Docket No. 20200007-EI

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished via electronic mail to the following this 31st day of July, 2020.

/s/ Dianne M. Triplett

Attorney

<p>Charles Murphy Office of General Counsel Florida Public Service Commission 2540 Shumard Oak Blvd. Tallahassee, FL 32399-0850 cmurphy@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 Law Firm P.O. Box 12950 Pensacola, FL 32591 srg@beggslane.com</p> <p>Russell A. Badders Gulf Power Company One Energy Place, Bin 100 Pensacola, FL 32520-0100 russell.badders@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>Charles Rehwinkel 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</p> <p>Paula K. Brown Tampa Electric Company Regulatory Affairs P.O. Box 111 Tampa, FL 33601 regdept@tecoenergy.com</p> <p>James W. Brew / Laura W. Baker Stone Law Firm 1025 Thomas Jefferson Street, N.W. Eighth Floor, West Tower Washington, DC 20007 jbrew@smxblaw.com lwb@smxblaw.com</p> <p>Kenneth Hoffman Florida Power & Light Company 134 W. Jefferson Street Tallahassee, FL 32301-1713 ken.hoffman@fpl.com</p> <p>Maria Moncada / David Lee 700 Universe Boulevard (LAW/JB) Juno Beach, FL 33408-0420 maria.moncada@fpl.com david.lee@fpl.com</p>
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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. 20200007-EI

July 31, 2020

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. 20200007-EI?

A. Yes, I provided direct testimony on April 1, 2020.

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 2020

1 through December 2020. I also explain the variance between 2020
2 actual/estimated cost projections versus original 2020 cost projections for
3 SO₂/NO_x 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 2020 through December 2020.

15
16 **Q. What is the actual/estimated true-up amount for which DEF is requesting**
17 **recovery for the period of January 2020 through December 2020?**

18 A. The 2020 actual/estimated true-up is an over-recovery, including interest, of
19 \$8,097,179 as shown on Form 42-1E, line 4. The final 2019 true-up under-
20 recovery of \$1,792,439 as shown on Form 42-2E, Line 7a, is subtracted from
21 this total, resulting in a net over-recovery of \$6,304,739 as shown on Form 42-
22 2E, Line 11. The calculations supporting the 2020 actual/estimated true-up are
23 on Forms 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 **2020 through December 2020?**

4 A. The capital structure, components and cost rates relied on to calculate the
5 revenue requirement rate of return for the period January 2020 through
6 December 2020 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 2020 through**
12 **December 2020 compare with original projections?**

13 A. Form 42-4E shows that total O&M project costs are estimated to be
14 \$18,876,329. This is \$6.1M, or 24% lower than originally projected. This form
15 also lists individual O&M project variances. Explanations for these variances
16 are included in the direct testimonies of Timothy Hill, Kim McDaniel, and
17 Jeffrey Swartz.

18
19 **Q. How do estimated/actual capital recoverable costs for January 2020**
20 **through December 2020 compare with DEF's original projections?**

21 A. Form 42-6E shows that total recoverable capital costs are estimated to be
22 \$26,624,734. This is \$854k or 3% lower than originally projected. This form
23 also lists individual project variances. The return on investment, depreciation

1 expense and property taxes for each project for the actual/estimated period are
2 provided on Form 42-8E, pages 1 through 17. Explanations for these variances
3 are included in the direct testimonies of Mr. Hill, Ms. McDaniel, and Mr.
4 Swartz.

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

9 A. The O&M variance is \$11,252 or 76% lower than projected due to lower than
10 projected SO₂ allowance expense.

11
12 **Q. Please describe DEF's treatment of the Crystal River South ECRC assets.**

13 A. In December 2020, DEF reflects the retirement of these assets in Project 4.2
14 (Above Ground Tank Secondary Containment) and Project 17.2 (Mercury & Air
15 Toxic Standards – Crystal River 1&2). This is consistent with the treatment of
16 Crystal River South assets in DEF's 2017 Settlement, as approved in Order No.
17 PSC-2017-0451-AS-EU. Per DEF's 2017 Settlement, "...DEF shall be
18 permitted to continue the annual depreciation expense and depreciation rate
19 associated with CRS based on the last Commission-approved depreciation study,
20 which assumed a 2020 CRS retirement date. DEF shall be permitted to recover
21 in 2021, unless a different time for recovery is agreed to by the Original Parties,
22 any remaining CRS net book value existing as of December 31, 2020 through
23 the CCR Clause." DEF therefore reflects the retirement of these assets in the

1 December 2020 ECRC schedules, which will facilitate the transition of these
2 ECRC unrecovered costs to the net book value regulatory asset to be collected
3 through the Capacity Cost Recovery Clause and included in the 2021 Projection
4 Filing, consistent with DEFs 2017 Settlement as described above.

5

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

7 A. Yes.

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Duke Energy Florida

Witness: C. A. Menendez

Exh. No. __ (CAM-3)

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

**January 2020 - December 2020
Calculation for the Current Period Actual / Estimated Amount
Actuals for the Period January 2020 - June 2020
Estimates for the Period July 2020 - December 2020**

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DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2020 - December 2020
(in Dollars)

Form 42-1E

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Duke Energy Florida
Witness: C. A. Menendez
Exh. No. __ (CAM-3)
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<u>Line</u>	<u>Period Amount</u>
1 Over/(Under) Recovery for the Period (Form 42-2E, Line 5)	\$ 8,011,775
2 Interest Provision (Form 42-2E, Line 6)	85,404
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 2020 to December 2020 (Lines 1 + 2 + 3)	<u>\$ 8,097,179</u>

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2020 - December 2020

Form 42-2E

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Duke Energy Florida
Witness: C. A. Menendez
Exh. No. ___ (CAM-3)
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End-of-Period True-Up Amount
(in Dollars)

Line	Description	Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	End of Period Total
1	ECRC Revenues (net of Revenue Taxes)	\$2,043,276	\$2,053,327	\$2,175,236	\$2,506,103	\$2,306,710	\$2,665,667	\$3,266,583	\$3,280,780	\$3,322,685	\$3,039,464	\$2,495,019	\$2,378,231	\$31,533,079
2	True-Up Provision (Order No. PSC-2019-0500-FOF-EI)	1,554,579	1,554,579	1,554,579	1,554,579	1,554,579	1,554,579	1,554,579	1,554,579	1,554,579	1,554,579	1,554,579	1,554,579	18,654,948
3	ECRC Revenues Applicable to Period (Lines 1 + 2)	\$3,597,855	3,607,906	3,729,815	4,060,682	3,861,289	4,220,246	4,821,162	4,835,359	4,877,264	4,594,043	4,049,598	3,932,810	50,188,028
4	Jurisdictional ECRC Costs													
	a. O & M Activities (Form 42-5E, Line 9)	\$1,169,339	902,941	1,470,579	1,127,642	1,473,241	924,838	2,225,100	1,828,905	1,513,590	1,574,714	1,261,659	2,050,831	17,523,379
	b. Capital Investment Projects (Form 42-7E, Line 9)	1,788,272	2,118,734	2,082,431	2,092,821	2,047,566	2,044,564	2,048,447	2,056,485	2,073,732	2,084,951	2,115,067	2,099,803	24,652,874
	c. Other	0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Total Jurisdictional ECRC Costs	\$2,957,611	\$3,021,675	\$3,553,010	\$3,220,463	\$3,520,807	\$2,969,402	\$4,273,547	\$3,885,390	\$3,587,322	\$3,659,665	\$3,376,726	\$4,150,634	\$42,176,253
5	Over/(Under) Recovery (Line 3 - Line 4d)	\$640,244	586,231	176,805	840,219	340,482	1,250,844	547,614	949,968	1,289,942	934,378	672,872	(217,824)	\$8,011,775
6	Interest Provision (Form 42-3E, Line 10)	22,967	20,598	22,505	12,645	742	928	985	913	874	834	766	647	85,404
7	Beginning Balance True-Up & Interest Provision	18,654,948	17,763,580	16,815,830	15,460,562	14,758,846	13,545,491	13,242,684	12,236,704	11,633,006	11,369,243	10,749,876	9,868,935	18,654,948
	a. Deferred True-Up - January 2019 to December 2019 (2019 TU filing dated April 1, 2020)	(1,792,439)	(1,792,439)	(1,792,439)	(1,792,439)	(1,792,439)	(1,792,439)	(1,792,439)	(1,792,439)	(1,792,439)	(1,792,439)	(1,792,439)	(1,792,439)	(1,792,439)
8	True-Up Collected/(Refunded) (Line 2)	(1,554,579)	(1,554,579)	(1,554,579)	(1,554,579)	(1,554,579)	(1,554,579)	(1,554,579)	(1,554,579)	(1,554,579)	(1,554,579)	(1,554,579)	(1,554,579)	(18,654,948)
9	End of Period Total True-Up (Lines 5+6+7+7a+8)	\$15,971,141	15,023,391	13,668,122	12,966,407	11,753,052	11,450,244	10,444,265	9,840,567	9,576,804	8,957,436	8,076,496	6,304,739	\$6,304,739
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)	\$15,971,141	\$15,023,391	\$13,668,122	\$12,966,407	\$11,753,052	\$11,450,244	10,444,265	\$9,840,567	\$9,576,804	\$8,957,436	\$8,076,496	\$6,304,739	\$6,304,739

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2020 - December 2020

Form 42-3E

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Interest Provision
(in Dollars)

Line	Description	Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	End of Period Total
1	Beginning True-Up Amount (Form 42-2E, Lines 7 + 7a + 10)	\$16,862,509	\$15,971,141	\$15,023,391	\$13,668,122	\$12,966,407	\$11,753,052	\$11,450,244	\$10,444,265	\$9,840,567	\$9,576,804	\$8,957,436	\$8,076,496	
2	Ending True-Up Amount Before Interest (Line 1 + Form 42-2E, Lines 5 + 8)	15,948,174	15,002,793	13,645,617	12,953,762	11,752,310	11,449,316	10,443,280	9,839,654	9,575,930	8,956,602	8,075,730	6,304,092	
3	Total of Beginning & Ending True-Up (Lines 1 + 2)	32,810,683	30,973,934	28,669,008	26,621,884	24,718,716	23,202,368	21,893,524	20,283,919	19,416,497	18,533,406	17,033,166	14,380,588	
4	Average True-Up Amount (Line 3 x 1/2)	16,405,342	15,486,967	14,334,504	13,310,942	12,359,358	11,601,184	10,946,762	10,141,960	9,708,249	9,266,703	8,516,583	7,190,294	
5	Interest Rate (Last Business Day of Prior Month)	1.71%	1.64%	1.56%	2.21%	0.06%	0.08%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%	
6	Interest Rate (Last Business Day of Current Month)	1.64%	1.56%	2.21%	0.06%	0.08%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%	
7	Total of Beginning & Ending Interest Rates (Lines 5 + 6)	3.35%	3.20%	3.77%	2.27%	0.14%	0.19%	0.22%	0.22%	0.22%	0.22%	0.22%	0.22%	
8	Average Interest Rate (Line 7 x 1/2)	1.675%	1.600%	1.885%	1.135%	0.070%	0.095%	0.110%	0.110%	0.110%	0.110%	0.110%	0.110%	
9	Monthly Average Interest Rate (Line 8 x 1/12)	0.140%	0.133%	0.157%	0.095%	0.006%	0.008%	0.009%	0.009%	0.009%	0.009%	0.009%	0.009%	
10	Interest Provision for the Month (Line 4 x Line 9)	\$22,967	\$20,598	\$22,505	\$12,645	\$742	\$928	\$985	\$913	\$874	\$834	\$766	\$647	85,404

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2020 - December 2020

Form 42-4E

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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	\$12,640	\$24,996	(\$12,356)	-49%
1a	Distribution Substation Environmental Investigation, Remediation and Pollution Prevention	157	0	157	100%
2	Distribution System Environmental Investigation, Remediation and Pollution Prevention	0	0	0	0%
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	3,470	14,722	(11,252)	-76%
6	Phase II Cooling Water Intake 316(b) - Base	156,740	68,200	88,540	130%
6.a	Phase II Cooling Water Intake 316(b) - Intm	148,387	67,600	80,787	120%
7.2	CAIR/CAMR - Peaking	0	0	0	0%
7.4	CAIR/CAMR Crystal River - Base	10,946,197	13,978,392	(3,032,195)	-22%
7.4	CAIR/CAMR Crystal River - Energy	4,253,088	5,669,608	(1,416,520)	-25%
7.4	CAIR/CAMR Crystal River - A&G	68,946	96,825	(27,879)	-29%
7.4	CAIR/CAMR Crystal River - Conditions of Certification - Energy	983,194	2,900,000	(1,916,806)	-66%
7.5	Best Available Retrofit Technology (BART) - Energy	0	0	0	0%
8	Arsenic Groundwater Standard - Base	1,234,899	1,267,500	(32,601)	-3%
9	Sea Turtle - Coastal Street Lighting - Distrib	0	300	(300)	-100%
11	Modular Cooling Towers - Base	0	0	0	0%
12	Greenhouse Gas Inventory and Reporting - Energy	0	0	0	0%
13	Mercury Total Daily Maximum Loads Monitoring - Energy	0	0	0	0%
14	Hazardous Air Pollutants (HAPs) ICR Program - Energy	0	0	0	0%
15	Effluent Limitation Guidelines ICR Program - Energy	0	0	0	0%
15.1	Effluent Limitation Guidelines Program CRN - Energy	0	40,000	(40,000)	-100%
16	National Pollutant Discharge Elimination System (NPDES) - Energy	29,840	25,400	4,440	17%
17	Mercury & Air Toxic Standards (MATS) CR4 & CR5 - Energy	121,543	598,000	(476,457)	-80%
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	0	0	0	0%
18	Coal Combustion Residual (CCR) Rule - Energy	917,228	240,900	676,328	281%
2	Total O&M Activities - Recoverable Costs	\$18,876,329	\$24,992,444	(\$6,116,115)	-24%
3	Recoverable Costs Allocated to Energy	6,308,363	9,488,631	(3,180,268)	-34%
4	Recoverable Costs Allocated to Demand	\$12,567,966	\$15,503,813	(\$2,935,847)	-19%

Notes:

Column (1) End of Period Totals on Form 42-5E
Column (2) 2020 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 2020 - December 2020

Form 42-5E

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O&M Activities
(in Dollars)

Line	Description	Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	End of Period Total
1	O&M Activities - System													
1	Transmission Substation Environmental Investigation, Remediation, and Pollution Prevention	\$1,296	\$1,105	(\$374)	\$308	\$649	\$338	\$2,319	\$1,000	\$2,000	\$1,000	\$1,000	\$2,000	\$12,640
1a	Distribution Substation Environmental Investigation, Remediation, and Pollution Prevention	0	0	374	0	(217)	0	0	0	0	0	0	0	157
2	Distribution System Environmental Investigation, Remediation, and Pollution Prevention	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Pipeline Integrity Management - Bartow/Anclote Pipeline - Intm	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Above Ground Tank Secondary Containment - Peaking	0	0	0	0	0	0	0	0	0	0	0	0	0
5	SO2/NOx Emissions Allowances - Energy	261	212	9	(1,999)	0	(47)	331	823	714	839	1,027	1,300	3,470
6	Phase II Cooling Water Intake 316(b) - Base	27,135	26,151	4,746	2,053	77,067	13,988	0	5,200	0	200	0	200	156,740
6a	Phase II Cooling Water Intake 316(b) - Intm	16,471	20,958	18,535	102,551	(24,211)	8,783	0	5,100	0	100	0	100	148,387
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	1,105,292	736,840	1,254,794	861,583	970,700	816,988	1,000,000	800,000	800,000	800,000	800,000	1,000,000	10,946,197
7.4	CAIR/CAMR Crystal River - Energy	(3,673)	0	41,720	112,935	365,231	325,023	543,512	742,992	609,382	622,674	402,482	490,810	4,253,088
7.4	CAIR/CAMR Crystal River - A&G	3,425	5,372	7,259	6,025	6,053	4,511	6,050	6,050	6,050	6,050	6,050	6,050	68,946
7.4	CAIR/CAMR Crystal River - Conditions of Certification - Energy	56,978	29,604	12,134	46,552	83,072	54,855	150,000	150,000	100,000	100,000	100,000	100,000	983,194
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	1,640	4,843	14,781	28,599	16,036	0	539,500	52,000	37,500	0	0	540,000	1,234,899
9	Sea Turtle - Coastal Street Lighting - Distrib	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Modular Cooling Towers - Base	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Greenhouse Gas Inventory and Reporting - Energy	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Mercury Total Daily Maximum Loads Monitoring - Energy	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Hazardous Air Pollutants (HAPs) ICR Program - Energy	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Effluent Limitation Guidelines ICR Program - Energy	0	0	0	0	0	0	0	0	0	0	0	0	0
15.1	Effluent Limitation Guidelines Program CRN - Energy	0	0	0	0	0	0	0	0	0	0	0	0	0
16	National Pollutant Discharge Elimination System (NPDES) - Energy	623	(7,733)	0	0	4,691	0	11,200	9,860	0	11,200	0	0	29,840
17	Mercury & Air Toxic Standards (MATS) CR4 & CR5 - Energy	0	0	5,666	25,876	0	0	15,000	15,000	15,000	15,000	15,000	15,000	121,543
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	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Coal Combustion Residual (CCR) Rule - Energy	48,182	151,265	222,440	45,648	89,889	(224,212)	139,200	192,013	56,202	136,700	17,700	42,200	917,228
2	Total O&M Activities - Recoverable Costs	\$1,257,630	\$968,617	\$1,582,085	\$1,230,130	\$1,588,960	\$1,000,227	\$2,407,112	\$1,980,038	\$1,626,848	\$1,693,763	\$1,343,259	\$2,197,659	\$18,876,329
3	Recoverable Costs Allocated to Energy	102,371	173,348	281,970	229,011	542,883	155,620	859,243	1,110,688	781,298	886,413	536,209	649,309	6,308,363
4	Recoverable Costs Allocated to Demand - Transm	1,296	1,105	(374)	308	649	338	2,319	1,000	2,000	1,000	1,000	2,000	12,640
	Recoverable Costs Allocated to Demand - Distrib	0	0	374	0	(217)	0	0	0	0	0	0	0	157
	Recoverable Costs Allocated to Demand - Prod-Base	1,134,067	767,834	1,274,321	892,235	1,063,803	830,976	1,539,500	857,200	837,500	800,200	800,000	1,540,200	12,337,836
	Recoverable Costs Allocated to Demand - Prod-Intm	16,471	20,958	18,535	102,551	(24,211)	8,783	0	5,100	0	100	0	100	148,387
	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	3,425	5,372	7,259	6,025	6,053	4,511	6,050	6,050	6,050	6,050	6,050	6,050	68,946
5	Retail Energy Jurisdictional Factor	0.97570	0.97330	0.94540	0.95410	0.91520	0.91350	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	
	Retail Distribution Demand Jurisdictional Factor	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	
	Retail Production Demand Jurisdictional Factor - Base	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	
	Retail Production Demand Jurisdictional Factor - Intm	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	
	Retail Production Demand Jurisdictional Factor - Peaking	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	
	Retail Production Demand Jurisdictional Factor - A&G	0.93221	0.93221	0.93221	0.93221	0.93221	0.93221	0.93221	0.93221	0.93221	0.93221	0.93221	0.93221	
7	Jurisdictional Energy Recoverable Costs (A)	99,884	168,719	266,574	218,500	496,846	142,159	787,867	1,022,645	728,634	825,033	512,237	613,099	5,882,197
8	Jurisdictional Demand Recoverable Costs - Transm (B)	909	775	(263)	216	456	237	1,628	702	1,404	702	702	1,404	8,872
	Jurisdictional Demand Recoverable Costs - Distrib (B)	0	0	372	0	(216)	0	0	0	0	0	0	0	156
	Jurisdictional Demand Recoverable Costs - Prod-Base (B)	1,053,378	713,202	1,183,653	828,753	988,114	771,852	1,429,965	796,210	777,912	743,266	743,080	1,430,615	11,460,000
	Jurisdictional Demand Recoverable Costs - Prod-Intm (B)	11,975	15,237	13,476	74,557	(17,602)	6,385	0	3,708	0	73	0	73	107,882
	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)	3,193	5,008	6,767	5,616	5,643	4,205	5,640	5,640	5,640	5,640	5,640	5,640	64,272
9	Total Jurisdictional Recoverable Costs - O&M Activities (Lines 7 + 8)	\$1,169,339	\$902,941	\$1,470,579	\$1,127,642	\$1,473,241	\$924,838	\$2,225,100	\$1,828,905	\$1,513,590	\$1,574,714	\$1,261,659	\$2,050,831	\$17,523,379

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 2020 - December 2020

Form 42-6E

Docket No. 20200007-EI
Duke Energy Florida
Witness: C. A. Menendez
Exh. No. ___ (CAM-3)
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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	\$0	\$0	\$0	0%
4.x	Above Ground Tank Secondary Containment	1,199,345	1,182,244	17,101	1%
5	SO2/NOx Emissions Allowances	247,445	248,770	(1,325)	-1%
6	Phase II Cooling Water Intake 316(b) - Base	693,553	653,808	39,745	6%
7.x	CAIR/CAMR	8,264,611	8,449,943	(185,332)	-2%
9	Sea Turtle - Coastal Street Lighting	955	1,062	(107)	-10%
10.x	Underground Storage Tanks	20,543	20,646	(103)	-1%
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)	242,978	229,869	13,109	6%
16	National Pollutant Discharge Elimination System (NPDES)	1,318,202	1,366,968	(48,766)	-4%
17x	Mercury & Air Toxics Standards (MATS)	14,573,654	15,280,123	(706,469)	-5%
18	Coal Combustion Residual (CCR) Rule	63,447	45,451	17,996	40%
2	Total Capital Investment Activities - Recoverable Costs	\$26,624,734	\$27,478,884	(\$854,151)	-3%
3	Recoverable Costs Allocated to Energy	\$14,864,768	\$15,605,464	(\$740,697)	-5%
4	Recoverable Costs Allocated to Demand	\$11,759,966	\$11,873,420	(\$113,454)	-1%

Notes:

Column (1) End of Period Totals on Form 42-7E
Column (2) 2020 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 2020 - December 2020

Form 42-7E

Docket No. 20200007-EI
Duke Energy Florida
Witness: C. A. Menendez
Exh. No. ___ (CAM-3)
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Capital Investment Projects-Recoverable Costs
(in Dollars)

Line	Description	Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	End of Period Total
1	Investment Projects - System (A)													
3.1	Pipeline Integrity Management - Bartow/Anclote Pipeline - Intermediate	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.1	Above Ground Tank Secondary Containment - Peaking	64,541	81,264	81,003	80,744	80,486	80,229	79,923	79,664	79,404	83,748	83,460	83,171	957,637
4.2	Above Ground Tank Secondary Containment - Base	17,686	18,380	18,360	18,341	18,320	18,302	18,262	18,241	18,222	18,204	18,184	18,165	218,667
4.3	Above Ground Tank Secondary Containment - Intermediate	1,399	1,986	1,982	1,979	1,975	1,972	1,967	1,963	1,960	1,956	1,953	1,949	23,041
5	SO2/NOX Emissions Allowances - Energy	20,634	20,633	20,633	20,639	20,645	20,645	20,614	20,611	20,606	20,601	20,596	20,588	247,445
6	Phase II Cooling Water Intake 316(b) - Base	39,947	44,336	46,728	49,034	51,191	53,660	58,456	64,379	68,568	71,587	72,682	72,985	693,553
7.1	CAIR/CAMR Anclote- Intermediate	0	0	0	0	0	0	0	0	0	0	0	0	0
7.2	CAIR/CAMR - Peaking	29,902	31,736	31,590	31,446	31,302	31,159	31,003	30,861	30,714	38,788	38,591	38,394	395,491
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	640,701	657,101	656,393	655,690	654,984	654,281	652,807	652,105	651,401	650,698	649,997	649,294	7,825,452
7.4	CAIR/CAMR Crystal River AFUDC - Energy	7,295	3,493	3,477	3,506	3,170	2,953	3,212	3,313	3,313	3,313	3,313	3,313	43,669
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	60	82	82	82	82	82	81	81	81	81	81	80	955
10.1	Underground Storage Tanks - Base	1,294	1,178	1,175	1,174	1,171	1,170	1,167	1,165	1,163	1,162	1,159	1,158	14,136
10.2	Underground Storage Tanks - Intermediate	447	548	547	546	544	543	542	541	539	538	537	535	6,407
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	15,621	15,839	16,029	16,390	22,321	22,478	22,470	22,436	22,401	22,366	22,331	22,296	242,978
16	National Pollutant Discharge Elimination System (NPDES) - Intermediate	94,393	112,447	112,220	111,991	111,763	111,535	111,212	110,983	110,756	110,528	110,301	110,073	1,318,202
17	Mercury & Air Toxic Standards (MATS) CR4 & CR5 - Energy	25,770	27,465	27,423	27,381	27,338	27,297	27,225	27,182	27,140	27,099	27,056	27,014	325,393
17.1	Mercury & Air Toxic Standards (MATS) Anclote Gas Conversion - Energy	760,385	1,041,223	1,039,673	1,038,124	1,036,573	1,035,024	1,032,426	1,030,878	1,029,330	1,027,783	1,026,235	1,024,687	12,122,336
17.2	Mercury & Air Toxic Standards (MATS) CR1 & CR2 - Energy	169,976	180,140	179,692	179,245	178,798	178,350	177,736	177,290	176,843	176,396	175,950	175,504	2,125,925
18	Coal Combustion Residual (CCR) Rule - Base	3,384	3,541	3,536	3,530	3,526	3,521	3,512	4,363	6,071	7,779	9,488	11,196	63,447
2	Total Investment Projects - Recoverable Costs	\$1,893,436	\$2,241,392	\$2,240,543	\$2,239,843	\$2,244,190	\$2,243,202	\$2,242,616	\$2,246,056	\$2,248,512	\$2,262,627	\$2,261,914	\$2,260,402	\$26,624,734
3	Recoverable Costs Allocated to Energy	984,060	1,272,954	1,270,898	1,268,895	1,266,525	1,264,269	1,261,213	1,259,274	1,257,232	1,255,192	1,253,150	1,251,106	14,864,768
	Recoverable Costs Allocated to Distribution Demand	60	82	82	82	82	82	81	81	81	81	81	80	955
4	Recoverable Costs Allocated to Demand - Production - Base	718,633	740,375	742,221	744,159	751,513	753,412	756,674	762,689	767,826	771,796	773,841	775,094	9,058,233
	Recoverable Costs Allocated to Demand - Production - Intermediate	96,239	114,981	114,749	114,516	114,282	114,050	113,721	113,487	113,255	113,022	112,791	112,557	1,347,650
	Recoverable Costs Allocated to Demand - Production - Peaking	94,443	113,000	112,593	112,190	111,788	111,388	110,926	110,525	110,118	122,537	122,052	121,566	1,353,128
5	Retail Energy Jurisdictional Factor	0.97570	0.97330	0.94540	0.95410	0.91520	0.91350	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)	960,148	1,238,966	1,201,507	1,210,653	1,159,123	1,154,910	1,156,447	1,159,452	1,172,486	1,168,275	1,197,125	1,181,335	13,960,427
	Jurisdictional Demand Recoverable Costs - Distribution (B)	60	82	82	82	82	82	81	81	81	81	81	80	951
8	Jurisdictional Demand Recoverable Costs - Production - Base (C)	667,502	687,697	689,412	691,212	698,043	699,807	702,837	708,424	713,195	716,883	718,782	719,946	8,413,740
	Jurisdictional Demand Recoverable Costs - Production - Intermediate (C)	69,969	83,595	83,426	83,257	83,086	82,918	82,679	82,508	82,340	82,170	82,002	81,832	979,782
	Jurisdictional Demand Recoverable Costs - Production - Peaking (C)	90,594	108,394	108,004	107,617	107,232	106,848	106,405	106,020	105,630	117,542	117,077	116,611	1,297,974
9	Total Jurisdictional Recoverable Costs - Investment Projects (Lines 7 + 8)	\$1,788,272	\$2,118,734	\$2,082,431	\$2,092,821	\$2,047,566	\$2,044,564	\$2,048,447	\$2,056,485	\$2,073,732	\$2,084,951	\$2,115,067	\$2,099,803	\$24,652,874

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 2020 - December 2020

Form 42-8E
Page 1 of 17

Docket No. 2020007-EI
Duke Energy Florida
Witness: C. A. Menendez
Exh. No. ___ (CAM-3)
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Return on Capital Investments, Depreciation and Taxes
For Project: ABOVE GROUND TANK SECONDARY CONTAINMENT - Peaking (Project 4.1)
(in Dollars)

Line	Description	Beginning of Period Amount	Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	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	178,938	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)	\$8,840,236	\$8,840,236	\$8,840,236	\$8,840,236	\$8,840,236	\$8,840,236	\$8,840,236	\$8,840,236	\$8,840,236	\$8,661,298	\$8,661,298	\$8,661,298	\$8,661,298	
3	Less: Accumulated Depreciation	(3,522,436)	(3,548,728)	(3,575,020)	(3,601,312)	(3,627,604)	(3,653,896)	(3,680,188)	(3,706,480)	(3,732,772)	(3,580,126)	(3,671,115)	(3,696,691)	(3,722,267)	
3a	Regulatory Asset Balance (G)	169,932	155,771	141,610	127,449	113,288	99,127	84,966	70,805	56,644	42,483	88,284	68,672	49,060	
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)	\$5,487,731	\$5,447,279	\$5,406,826	\$5,366,373	\$5,325,920	\$5,285,467	\$5,245,014	\$5,204,561	\$5,164,108	\$5,123,655	\$5,078,467	\$5,033,279	\$4,988,091	
6	Average Net Investment		\$5,467,505	\$5,427,052	\$5,386,599	\$5,346,146	\$5,305,693	\$5,265,240	\$5,224,787	\$5,184,334	\$5,143,881	\$5,101,061	\$5,055,873	\$5,010,685	
7	Return on Average Net Investment (B)														
	a. Debt Component	Jan-Jun	1.97%	Jul-Dec	1.89%										
	b. Equity Component Grossed Up For Taxes		8,960	8,895	8,827	8,761	8,696	8,629	8,234	8,171	8,106	8,040	7,968	7,896	101,183
	c. Other		25,997	25,805	25,612	25,419	25,226	25,036	25,125	24,929	24,734	24,528	24,312	24,095	300,818
			0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation (C)		26,292	26,292	26,292	26,292	26,292	26,292	26,292	26,292	26,292	25,576	25,576	25,576	313,356
	b. Amortization (G)		14,161	14,161	14,161	14,161	14,161	14,161	14,161	14,161	14,161	19,612	19,612	19,612	186,285
	c. Dismantlement		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (D)		(10,869)	6,111	6,111	6,111	6,111	6,111	6,111	6,111	6,111	5,992	5,992	5,992	55,995
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$64,541	\$81,264	\$81,003	\$80,744	\$80,486	\$80,229	\$79,923	\$79,664	\$79,404	\$83,748	\$83,460	\$83,171	957,637
	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		64,541	81,264	81,003	80,744	80,486	80,229	79,923	79,664	79,404	83,748	83,460	83,171	957,637
10	Energy Jurisdictional Factor		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11	Demand Jurisdictional Factor - Production (Peaking)		0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	
12	Retail Energy-Related Recoverable Costs (E)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Retail Demand-Related Recoverable Costs (F)		61,911	77,952	77,701	77,453	77,205	76,959	76,665	76,417	76,167	80,334	80,058	79,781	918,604
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$61,911	\$77,952	\$77,701	\$77,453	\$77,205	\$76,959	\$76,665	\$76,417	\$76,167	\$80,334	\$80,058	\$79,781	\$918,604

Notes:

- (A) N/A
- (B) Jan - Jun 2020 Line 6 x 7.67% x 1/12. Jul - Dec 2020 Line 6 x 7.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.31% (Jan-Jun) and 4.36% (Jul-Dec), and statutory income tax rate of 24.522% (inc tax multiplier = 1.3248894). 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 2019 Effective Tax Rate on original cost. January 2020 Property Tax includes a credit to revise prior period calculations which utilized an incorrect property tax rate; the credit includes applicable commercial paper interest.
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11
- (G) Project 4.1a (Turner AST) amortized over three years as approved in Order No. PSC-2016-0535-FOF-EI.
Project 4.1i (Higgins) and Project 4.1d (Avon Park) amortized over one year as approved in Order No. PSC-2019-0500-FOF-EI.

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2020 - December 2020

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-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	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	33,092	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	2,365,947	
3	Less: Accumulated Depreciation	(\$45,535)	(48,567)	(51,599)	(54,631)	(57,663)	(60,695)	(63,727)	(66,759)	(69,791)	(72,823)	(75,855)	(78,887)	(81,919)	
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)	\$2,353,504	\$2,350,472	\$2,347,440	\$2,344,408	\$2,341,376	\$2,338,344	\$2,335,312	\$2,332,280	\$2,329,248	\$2,326,216	\$2,323,184	\$2,320,152	\$2,284,028	
6	Average Net Investment		\$2,351,988	\$2,348,956	\$2,345,924	\$2,342,892	\$2,339,860	\$2,336,828	\$2,333,796	\$2,330,764	\$2,327,732	\$2,324,700	\$2,321,668	\$2,302,090	
7	Return on Average Net Investment (B)														
	a. Debt Component		1.97%	1.89%											
	b. Equity Component Grossed Up For Taxes		5.71%	5.77%											
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation (C)		3,032	3,032	3,032	3,032	3,032	3,032	3,032	3,032	3,032	3,032	3,032	3,032	36,384
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (D)		(384)	329	329	329	329	329	329	329	329	329	329	329	3,235
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$17,686	\$18,380	\$18,360	\$18,341	\$18,320	\$18,302	\$18,262	\$18,241	\$18,222	\$18,204	\$18,184	\$18,165	218,667
	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		17,686	18,380	18,360	18,341	18,320	18,302	18,262	18,241	18,222	18,204	18,184	18,165	218,667
10	Energy Jurisdictional Factor		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11	Demand Jurisdictional Factor - Production (Base)		0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	
12	Retail Energy-Related Recoverable Costs (E)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Retail Demand-Related Recoverable Costs (F)		16,427	17,072	17,054	17,036	17,017	17,000	16,963	16,943	16,926	16,909	16,890	16,873	203,109
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$16,427	\$17,072	\$17,054	\$17,036	\$17,017	\$17,000	\$16,963	\$16,943	\$16,926	\$16,909	\$16,890	\$16,873	\$203,109

Notes:

- (A) N/A
- (B) Jan - Jun 2020 Line 6 x 7.67% x 1/12. Jul - Dec 2020 Line 6 x 7.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.31% (Jan-Jun) and 4.36% (Jul-Dec), and statutory income tax rate of 24.522% (inc tax multiplier = 1.3248894). 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 2019 Effective Tax Rate on original cost. January 2020 Property Tax includes a credit to revise prior period calculations which utilized an incorrect property tax rate; the credit includes applicable commercial paper interest.
- (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 2020 - December 2020

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

Line	Description	Beginning of Period Amount	Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	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	290,297
3	Less: Accumulated Depreciation	(85,386)	(85,911)	(86,436)	(86,961)	(87,486)	(88,011)	(88,536)	(89,061)	(89,586)	(90,111)	(90,636)	(91,161)	(91,686)	
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)	\$204,911	\$204,386	\$203,861	\$203,336	\$202,811	\$202,286	\$201,761	\$201,236	\$200,711	\$200,186	\$199,661	\$199,136	\$198,611	
6	Average Net Investment		\$204,649	\$204,124	\$203,599	\$203,074	\$202,549	\$202,024	\$201,499	\$200,974	\$200,449	\$199,924	\$199,399	\$198,874	
7	Return on Average Net Investment (B)														
	a. Debt Component		1.97%	1.89%											
	b. Equity Component Grossed Up For Taxes		5.71%	5.77%											
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation (C)		525	525	525	525	525	525	525	525	525	525	525	525	6,300
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (D)		(434)	155	155	155	155	155	155	155	155	155	155	155	1,271
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$1,399	\$1,986	\$1,982	\$1,979	\$1,975	\$1,972	\$1,967	\$1,963	\$1,960	\$1,956	\$1,953	\$1,949	23,041
	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		1,399	1,986	1,982	1,979	1,975	1,972	1,967	1,963	1,960	1,956	1,953	1,949	23,041
10	Energy Jurisdictional Factor		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11	Demand Jurisdictional Factor - Production (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)		1,017	1,444	1,441	1,439	1,436	1,434	1,430	1,427	1,425	1,422	1,420	1,417	16,751
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$1,017	\$1,444	\$1,441	\$1,439	\$1,436	\$1,434	\$1,430	\$1,427	\$1,425	\$1,422	\$1,420	\$1,417	\$16,751

Notes:

- (A) N/A
- (B) Jan - Jun 2020 Line 6 x 7.67% x 1/12. Jul - Dec 2020 Line 6 x 7.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.31% (Jan-Jun) and 4.36% (Jul-Dec), and statutory income tax rate of 24.522% (inc tax multiplier = 1.3248894). 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 2019 Effective Tax Rate on original cost. January 2020 Property Tax includes a credit to revise prior period calculations which utilized an incorrect property tax rate; the credit includes applicable commercial paper interest.
- (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 2020 - December 2020

Form 42-8E
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Docket No. 2020007-EI
Duke Energy Florida
Witness: C. A. Menendez
Exh. No. __ (CAM-3)
Page 12 of 26

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

Line	Description	Beginning of Period Amount	Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	End of Period Total
1	Working Capital Dr (Cr)														
	a. 0158150 SO ₂ Emission Allowance Inventory	\$3,227,480	\$3,227,222	\$3,227,010	\$3,227,001	\$3,229,000	\$3,229,000	\$3,229,000	\$3,228,623	\$3,227,753	\$3,226,992	\$3,226,106	\$3,225,032	\$3,223,685	\$3,223,685
	b. 0254020 Auctioned SO ₂ Allowance	0	0	0	0	0	(47)	0	47	94	140	187	234	281	281
	c. 0158170 NOx Emission Allowance Inventory	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Other (A)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Total Working Capital	\$3,227,480	\$3,227,222	\$3,227,010	\$3,227,001	\$3,229,000	\$3,228,953	\$3,229,000	\$3,228,670	\$3,227,846	\$3,227,132	\$3,226,293	\$3,225,265	\$3,223,966	\$3,223,966
3	Average Net Investment		\$3,227,351	\$3,227,116	\$3,227,005	\$3,228,001	\$3,228,977	\$3,228,977	\$3,228,835	\$3,228,258	\$3,227,489	\$3,226,712	\$3,225,779	\$3,224,616	
4	Return on Average Net Working Capital Balance (B)														
	a. Debt Component		1.97%	1.89%											
	b. Equity Component Grossed Up For Taxes		5.71%	5.77%											
5	Total Return Component (C)		\$20,634	\$20,633	\$20,633	\$20,639	\$20,645	\$20,645	\$20,614	\$20,611	\$20,606	\$20,601	\$20,596	\$20,588	247,445
6	Expense Dr (Cr)														
	a. 0509030 SO ₂ Allowance Expense		\$261	\$212	\$9	(\$1,999)	\$0	\$0	\$377	\$870	\$761	\$886	\$1,074	\$1,346	3,797
	b. 0407426 Amortization Expense		0	0	0	0	0	(47)	(47)	(47)	(47)	(47)	(47)	(47)	(327)
	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)		261	212	9	(1,999)	0	(47)	331	823	714	839	1,027	1,300	3,470
8	Total System Recoverable Expenses (Lines 5 + 7)		\$20,895	\$20,845	\$20,642	\$18,640	\$20,645	\$20,598	\$20,945	\$21,434	\$21,320	\$21,440	\$21,623	\$21,888	250,915
	a. Recoverable Costs Allocated to Energy		20,895	20,845	20,642	18,640	20,645	20,598	20,945	21,434	21,320	21,440	21,623	21,888	250,915
	b. Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
9	Energy Jurisdictional Factor		0.97570	0.97330	0.94540	0.95410	0.91520	0.91350	0.91693	0.92073	0.93259	0.93075	0.95529	0.94423	
10	Demand Jurisdictional Factor		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11	Retail Energy-Related Recoverable Costs (E)		\$20,387	\$20,288	\$19,515	\$17,784	\$18,894	\$18,816	\$19,205	\$19,735	\$19,883	\$19,955	\$20,657	\$20,667	235,787
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)		\$ 20,387	\$ 20,288	\$ 19,515	\$ 17,784	\$ 18,894	\$ 18,816	\$ 19,205	\$ 19,735	\$ 19,883	\$ 19,955	\$ 20,657	\$ 20,667	235,787

Notes:

- (A) N/A
- (B) Jan - Jun 2020 Line 6 x 7.67% x 1/12. Jul - Dec 2020 Line 6 x 7.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.31% (Jan-Jun) and 4.36% (Jul-Dec), and statutory income tax rate of 24.522% (inc tax multiplier = 1.3248894). 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 2020 - December 2020

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-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	End of Period Total	
1	Investments															
	a. Expenditures/Additions		\$1,112,889	\$260,143	\$488,106	\$233,259	\$441,164	\$331,194	\$1,195,322	\$659,852	\$652,654	\$292,954	\$50,354	\$44,354	\$5,762,245	
	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	\$5,691,363	6,804,252	7,064,395	7,552,501	7,785,760	8,226,924	8,558,118	9,753,440	10,413,292	11,065,946	11,358,900	11,409,254	11,453,608		
5	Net Investment (Lines 2 + 3 + 4)	\$5,691,363	\$6,804,252	\$7,064,395	\$7,552,501	\$7,785,760	\$8,226,924	\$8,558,118	\$9,753,440	\$10,413,292	\$11,065,946	\$11,358,900	\$11,409,254	\$11,453,608		
6	Average Net Investment		\$6,247,807	\$6,934,324	\$7,308,448	\$7,669,131	\$8,006,342	\$8,392,521	\$9,155,779	\$10,083,366	\$10,739,619	\$11,212,423	\$11,384,077	\$11,431,431		
7	Return on Average Net Investment (B)															
	a. Debt Component															
		Jan-Jun	Jul-Dec													
		1.97%	1.89%	10,240	11,365	11,978	12,569	13,122	13,755	14,429	15,891	16,925	17,670	17,940	18,015	173,899
	b. Equity Component Grossed Up For Taxes	5.71%	5.77%	29,707	32,971	34,750	36,465	38,069	39,905	44,027	48,488	51,643	53,917	54,742	54,970	519,654
	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	N/A	N/A	N/A	N/A	N/A	N/A	
	d. Property Taxes	0.000525	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)		\$39,947	\$44,336	\$46,728	\$49,034	\$51,191	\$53,660	\$58,456	\$64,379	\$68,568	\$71,587	\$72,682	\$72,985	693,553	
	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		\$39,947	\$44,336	\$46,728	\$49,034	\$51,191	\$53,660	\$58,456	\$64,379	\$68,568	\$71,587	\$72,682	\$72,985	693,553	
10	Energy Jurisdictional Factor		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
11	Demand Jurisdictional Factor - 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)		37,105	41,181	43,403	45,545	47,549	49,842	54,297	59,798	63,689	66,494	67,511	67,792	644,207	
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$37,105	\$41,181	\$43,403	\$45,545	\$47,549	\$49,842	\$54,297	\$59,798	\$63,689	\$66,494	\$67,511	\$67,792	\$644,207	

Notes:

- (A) N/A
- (B) Jan - Jun 2020 Line 6 x 7.67% x 1/12. Jul - Dec 2020 Line 6 x 7.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.31% (Jan-Jun) and 4.36% (Jul-Dec), and statutory income tax rate of 24.522% (inc tax multiplier = 1.3248894). 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 2019 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
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Docket No. 2020007-EI
Duke Energy Florida
Witness: C. A. Menendez
Exh. No. ___ (CAM-3)
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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-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	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	161,754	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	\$1,454,898	\$1,454,898	\$1,454,898	\$1,454,898	\$1,454,898	\$1,454,898	\$1,454,898	\$1,454,898	\$1,454,898	\$1,293,144	\$1,293,144	\$1,293,144	\$1,293,144		
3	Less: Accumulated Depreciation	(385,464)	(388,039)	(390,614)	(393,189)	(395,764)	(398,339)	(400,914)	(403,489)	(406,064)	(246,885)	(354,141)	(356,312)	(358,483)		
3a	Regulatory Asset Balance (G)	239,885	219,894	199,904	179,914	159,923	139,933	119,942	99,952	79,962	59,971	136,309	107,561	78,814		
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)	\$1,309,319	\$1,286,754	\$1,264,188	\$1,241,623	\$1,219,057	\$1,196,492	\$1,173,927	\$1,151,361	\$1,128,796	\$1,106,230	\$1,075,312	\$1,044,393	\$1,013,475		
6	Average Net Investment		\$1,298,036	\$1,275,471	\$1,252,905	\$1,230,340	\$1,207,775	\$1,185,209	\$1,162,644	\$1,140,078	\$1,117,513	\$1,090,771	\$1,059,853	\$1,028,934		
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec													
	a. Debt Component	1.97%	1.89%	2,128	2,091	2,053	2,016	1,979	1,943	1,831	1,797	1,761	1,719	1,670	1,622	22,610
	b. Equity Component Grossed Up For Taxes	5.71%	5.77%	6,172	6,065	5,957	5,850	5,743	5,636	5,592	5,484	5,373	5,244	5,096	4,947	67,159
	c. Other			0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses															
	a. Depreciation (C)		2,575	2,575	2,575	2,575	2,575	2,575	2,575	2,575	2,575	2,171	2,171	2,171	29,688	
	b. Amortization (G)		19,990	19,990	19,990	19,990	19,990	19,990	19,990	19,990	19,990	28,747	28,747	28,747	266,156	
	c. Dismantlement		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	d. Property Taxes (D)		(964)	1,015	1,015	1,015	1,015	1,015	1,015	1,015	1,015	907	907	907	9,877	
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0	
9	Total System Recoverable Expenses (Lines 7 + 8)		\$29,902	\$31,736	\$31,590	\$31,446	\$31,302	\$31,159	\$31,003	\$30,861	\$30,714	\$38,788	\$38,591	\$38,394	395,491	
	a. Recoverable Costs Allocated to Energy		0	0	0	0	0	0	0	0	0	0	0	0	0	
	b. Recoverable Costs Allocated to Demand		29,902	31,736	31,590	31,446	31,302	31,159	31,003	30,861	30,714	38,788	38,591	38,394	395,491	
10	Energy Jurisdictional Factor		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
11	Demand Jurisdictional Factor - Production (Peaking)		0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924		
12	Retail Energy-Related Recoverable Costs (E)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
13	Retail Demand-Related Recoverable Costs (F)		28,683	30,443	30,303	30,165	30,027	29,889	29,740	29,603	29,462	37,207	37,019	36,830	379,370	
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$28,683	\$30,443	\$30,303	\$30,165	\$30,027	\$29,889	\$29,740	\$29,603	\$29,462	\$37,207	\$37,019	\$36,830	\$379,370	

Notes:

- (A) N/A
- (B) Jan - Jun 2020 Line 6 x 7.67% x 1/12. Jul - Dec 2020 Line 6 x 7.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.31% (Jan-Jun) and 4.36% (Jul-Dec), and statutory income tax rate of 24.522% (inc tax multiplier = 1.3248894). 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 2019 Effective Tax Rate on original cost. January 2020 Property Tax includes a credit to revise prior period calculations which utilized an incorrect property tax rate; the credit includes applicable commercial paper interest.
- (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 2020 - December 2020

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-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	End of Period Total
1	Investments														
	a. Expenditures/Additions		\$159,014	(\$1,299)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$157,716
	b. Clearings to Plant		159,014	(1,299)	0	0	0	0	0	0	0	0	0	0	
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other (A)		0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base	\$86,541,985	86,701,000	86,699,701	86,699,701	86,699,701	86,699,701	86,699,701	86,699,701	86,699,701	86,699,701	86,699,701	86,699,701	86,699,701	
3	Less: Accumulated Depreciation	(\$1,572,913)	(1,682,997)	(1,793,080)	(1,903,163)	(2,013,246)	(2,123,329)	(2,233,412)	(2,343,495)	(2,453,578)	(2,563,661)	(2,673,744)	(2,783,827)	(2,893,910)	
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)	\$84,969,073	\$85,018,004	\$84,906,621	\$84,796,538	\$84,686,455	\$84,576,372	\$84,466,289	\$84,356,206	\$84,246,123	\$84,136,040	\$84,025,957	\$83,915,874	\$83,805,791	
6	Average Net Investment		\$84,993,538	\$84,962,313	\$84,851,580	\$84,741,497	\$84,631,414	\$84,521,331	\$84,411,248	\$84,301,165	\$84,191,082	\$84,080,999	\$83,970,916	\$83,860,833	
7	Return on Average Net Investment (B)														
	a. Debt Component		1.97%	1.89%											
	b. Equity Component Grossed Up For Taxes		5.71%	5.77%											
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation (C)		110,084	110,083	110,083	110,083	110,083	110,083	110,083	110,083	110,083	110,083	110,083	110,083	1,320,997
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (D)		(12,808)	3,792	3,792	3,792	3,792	3,792	3,792	3,792	3,792	3,792	3,792	3,792	28,904
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$640,701	\$657,101	\$656,393	\$655,690	\$654,984	\$654,281	\$652,807	\$652,105	\$651,401	\$650,698	\$649,997	\$649,294	7,825,452
	a. Recoverable Costs Allocated to Energy		0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand		640,701	657,101	656,393	655,690	654,984	654,281	652,807	652,105	651,401	650,698	649,997	649,294	7,825,452
10	Energy Jurisdictional Factor		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11	Demand Jurisdictional Factor - Production (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)		595,115	610,348	609,691	609,038	608,382	607,729	606,360	605,708	605,054	604,401	603,750	603,097	7,268,671
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$595,115	\$610,348	\$609,691	\$609,038	\$608,382	\$607,729	\$606,360	\$605,708	\$605,054	\$604,401	\$603,750	\$603,097	\$7,268,671

Notes:

- (A) N/A
- (B) Jan - Jun 2020 Line 6 x 7.67% x 1/12. Jul - Dec 2020 Line 6 x 7.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.31% (Jan-Jun) and 4.36% (Jul-Dec), and statutory income tax rate of 24.522% (inc tax multiplier = 1.3248894). 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 2019 Effective Tax Rate on original cost. January 2020 Property Tax includes a credit to revise prior period calculations which utilized an incorrect property tax rate; the credit includes applicable commercial paper interest.
- (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 2020 - December 2020

Form 42-8E
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Schedule of Amortization and Return
For Project: CAIR/CAMR - Energy (Project 7.4 - Reagents and By-Products)
(in Dollars)

Docket No. 2020007-EI
Duke Energy Florida
Witness: C. A. Menendez
Exh. No. ___ (CAM-3)
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Line	Description	Beginning of Period Amount	Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	End of Period Total
1	Working Capital Dr (Cr)														
	a. 0154401 Ammonia Inventory	\$542,621	\$542,621	\$542,621	\$540,418	\$589,673	\$587,967	\$633,965	\$572,877	\$572,877	\$572,877	\$572,877	\$572,877	\$572,877	\$572,877
	b. 0154200 Limestone Inventory	\$1,193,107	3,648	3,648	881	(34,243)	(151,682)	(146,551)	(54,050)	(54,050)	(54,050)	(54,050)	(54,050)	(54,050)	(54,050)
2	Total Working Capital	\$1,735,728	\$546,269	\$546,269	\$541,299	\$555,429	\$436,285	\$487,414	\$518,827	\$518,827	\$518,827	\$518,827	\$518,827	\$518,827	518,827
3	Average Net Investment		1,140,998	546,269	543,784	548,364	495,857	461,850	503,121	518,827	518,827	518,827	518,827	518,827	
4	Return on Average Net Working Capital Balance (A)														
	a. Debt Component		1.97%	1.89%											
	b. Equity Component Grossed Up For Taxes		5.71%	5.77%											
5	Total Return Component (B)		1,870	895	891	899	813	757	793	818	818	818	818	818	\$11,006
			5,425	2,597	2,586	2,607	2,358	2,196	2,419	2,495	2,495	2,495	2,495	2,495	32,663
5	Total Return Component (B)		7,295	3,493	3,477	3,506	3,170	2,953	3,212	3,313	3,313	3,313	3,313	3,313	43,669
6	Expense Dr (Cr)														
	a. 0502030 Ammonia Expense		0	0	22,715	65,144	130,334	133,126	226,500	246,100	193,000	177,800	25,600	25,600	1,245,918
	b. 0502040 Limestone Expense		(3,648)	0	16,800	95,563	330,019	296,876	136,621	315,710	276,596	321,891	389,488	486,556	2,662,472
	c. 0502050 Dibasic Acid Expense		0	0	0	0	0	0	1,700	1,900	1,500	1,400	200	200	6,900
	d. 0502070 Gypsum Disposal/Sale		(25)	0	(13,121)	(116,191)	(237,620)	(252,571)	(12,109)	(27,918)	(24,414)	(28,417)	(34,456)	(43,196)	(790,038)
	e. 0502040 Hydrated Lime Expense		0	0	15,327	68,419	142,498	147,593	190,800	207,200	162,700	150,000	21,650	21,650	1,127,835
	f. 0502300 Caustic Expense		0	0	0	0	0	0	0	0	0	0	0	0	0
7	Net Expense (C)		(3,673)	0	41,720	112,935	365,231	325,023	543,512	742,992	609,382	622,674	402,482	490,810	4,253,088
8	Total System Recoverable Expenses (Lines 5 + 7)		\$3,623	\$3,493	\$45,197	\$116,441	\$368,401	\$327,976	\$546,724	\$746,304	\$612,695	\$625,986	\$405,794	\$494,122	4,296,757
	a. Recoverable Costs Allocated to Energy		3,623	3,493	45,197	116,441	368,401	327,976	546,724	746,304	612,695	625,986	405,794	494,122	4,296,757
	b. Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
9	Energy Jurisdictional Factor		0.97570	0.97330	0.94540	0.95410	0.91520	0.91350	0.91693	0.92073	0.93259	0.93075	0.95529	0.94423	
10	Demand Jurisdictional Factor		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11	Retail Energy-Related Recoverable Costs (D)		3,534	3,399	42,729	111,096	337,161	299,606	501,309	687,145	571,395	582,639	387,652	466,566	3,994,234
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)		\$ 3,534	\$ 3,399	\$ 42,729	\$ 111,096	\$ 337,161	\$ 299,606	\$ 501,309	\$ 687,145	\$ 571,395	\$ 582,639	\$ 387,652	\$ 466,566	\$ 3,994,234

Notes:

- (A) Jan - Jun 2020 Line 6 x 7.67% x 1/12. Jul - Dec 2020 Line 6 x 7.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.31% (Jan-Jun) and 4.36% (Jul-Dec), and statutory income tax rate of 24.522% (inc tax multiplier = 1.3248894). 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 2020 - December 2020

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-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	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	\$11,324	11,324	11,324	11,324	11,324	11,324	11,324	11,324	11,324	11,324	11,324	11,324	11,324	11,324
3	Less: Accumulated Depreciation	(4,046)	(4,075)	(4,104)	(4,133)	(4,162)	(4,191)	(4,220)	(4,249)	(4,278)	(4,307)	(4,336)	(4,365)	(4,394)	
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)	\$7,278	\$7,249	\$7,220	\$7,191	\$7,162	\$7,133	\$7,104	\$7,075	\$7,046	\$7,017	\$6,988	\$6,959	\$6,930	
6	Average Net Investment		\$7,264	\$7,235	\$7,206	\$7,177	\$7,148	\$7,119	\$7,090	\$7,061	\$7,032	\$7,003	\$6,974	\$6,945	
7	Return on Average Net Investment (B)	Jan-Jun	Jul-Dec												
	a. Debt Component	1.97%	1.89%	12	12	12	12	12	11	11	11	11	11	11	138
	b. Equity Component Grossed Up For Taxes	5.71%	5.77%	35	34	34	34	34	34	34	34	34	34	33	408
	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	29	29	29	29	29	348
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (D) 0.007755		(16)	7	7	7	7	7	7	7	7	7	7	7	61
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$60	\$82	\$82	\$82	\$82	\$82	\$81	\$81	\$81	\$81	\$81	\$80	955
	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		\$60	\$82	\$82	\$82	\$82	\$82	\$81	\$81	\$81	\$81	\$81	\$80	955
10	Energy Jurisdictional Factor		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11	Demand Jurisdictional Factor - (Distribution)		0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	
12	Retail Energy-Related Recoverable Costs (E)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Retail Demand-Related Recoverable Costs (F)		60	82	82	82	82	82	81	81	81	81	81	80	951
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$60	\$82	\$82	\$82	\$82	\$82	\$81	\$81	\$81	\$81	\$81	\$80	\$951

Notes:

- (A) N/A
- (B) Jan - Jun 2020 Line 6 x 7.67% x 1/12. Jul - Dec 2020 Line 6 x 7.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.31% (Jan-Jun) and 4.36% (Jul-Dec), and statutory income tax rate of 24.522% (inc tax multiplier = 1.3248894). 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 2019 Effective Tax Rate on original cost.
January 2020 Property Tax includes a credit to revise prior period calculations which utilized an incorrect property tax rate; the credit includes applicable commercial paper interest.
- (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 2020 - December 2020

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

Line	Description	Beginning of Period Amount	Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	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	
3	Less: Accumulated Depreciation	(49,552)	(49,848)	(50,144)	(50,440)	(50,736)	(51,032)	(51,328)	(51,624)	(51,920)	(52,216)	(52,512)	(52,808)	(53,104)	
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)	\$119,389	\$119,093	\$118,797	\$118,501	\$118,205	\$117,909	\$117,613	\$117,317	\$117,021	\$116,725	\$116,429	\$116,133	\$115,837	
6	Average Net Investment		\$119,241	\$118,945	\$118,649	\$118,353	\$118,057	\$117,761	\$117,465	\$117,169	\$116,873	\$116,577	\$116,281	\$115,985	
7	Return on Average Net Investment (B)														
	a. Debt Component	Jan-Jun	1.97%	Jul-Dec	1.89%										
	b. Equity Component Grossed Up For Taxes		5.71%		5.77%										
	c. Other														
8	Investment Expenses														
	a. Depreciation (C) 2.1000%		296	296	296	296	296	296	296	296	296	296	296	296	3,552
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (D) 0.008573		236	121	121	121	121	121	121	121	121	121	121	121	1,567
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$1,294	\$1,178	\$1,175	\$1,174	\$1,171	\$1,170	\$1,167	\$1,165	\$1,163	\$1,162	\$1,159	\$1,158	14,136
	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		\$1,294	\$1,178	\$1,175	\$1,174	\$1,171	\$1,170	\$1,167	\$1,165	\$1,163	\$1,162	\$1,159	\$1,158	14,136
10	Energy Jurisdictional Factor		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11	Demand Jurisdictional Factor - Production (Base)		0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	
12	Retail Energy-Related Recoverable Costs (E)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Retail Demand-Related Recoverable Costs (F)		1,202	1,094	1,091	1,090	1,088	1,087	1,084	1,082	1,080	1,079	1,077	1,076	13,130
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$1,202	\$1,094	\$1,091	\$1,090	\$1,088	\$1,087	\$1,084	\$1,082	\$1,080	\$1,079	\$1,077	\$1,076	\$13,130

Notes:

- (A) N/A
- (B) Jan - Jun 2020 Line 6 x 7.67% x 1/12. Jul - Dec 2020 Line 6 x 7.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.31% (Jan-Jun) and 4.36% (Jul-Dec), and statutory income tax rate of 24.522% (inc tax multiplier = 1.3248894). 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 2019 Effective Tax Rate on original cost. January 2020 Property Tax includes a credit to revise prior period calculations which utilized an incorrect property tax rate; the credit includes applicable commercial paper interest.
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
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Docket No. 20200007-EI
Duke Energy Florida
Witness: C. A. Menendez
Exh. No. __ (CAM-3)
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Return on Capital Investments, Depreciation and Taxes
For Project: UNDERGROUND STORAGE TANKS - Intermediate (10.2)
(in Dollars)

Line	Description	Beginning of Period Amount	Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	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	(31,529)	(31,732)	(31,935)	(32,138)	(32,341)	(32,544)	(32,747)	(32,950)	(33,153)	(33,356)	(33,559)	(33,762)	(33,965)	(33,965)	
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)	\$44,477	\$44,274	\$44,071	\$43,868	\$43,665	\$43,462	\$43,259	\$43,056	\$42,853	\$42,650	\$42,447	\$42,244	\$42,041	\$42,041	
6	Average Net Investment		\$44,376	\$44,173	\$43,970	\$43,767	\$43,564	\$43,361	\$43,158	\$42,955	\$42,752	\$42,549	\$42,346	\$42,143	\$42,143	
7	Return on Average Net Investment (B)															
		Jan-Jun	Jul-Dec													
	a. Debt Component	1.97%	1.89%	73	72	72	72	71	71	68	68	67	67	67	66	834
	b. Equity Component Grossed Up For Taxes	5.71%	5.77%	211	210	209	208	207	206	208	207	206	205	204	203	2,484
	c. Other			0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses															
	a. Depreciation (C) 3.2000%		203	203	203	203	203	203	203	203	203	203	203	203	2,436	
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0	
	c. Dismantlement		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	d. Property Taxes (D) 0.009890		(40)	63	63	63	63	63	63	63	63	63	63	63	653	
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0	
9	Total System Recoverable Expenses (Lines 7 + 8)		\$447	\$548	\$547	\$546	\$544	\$543	\$542	\$541	\$539	\$538	\$537	\$535	6,407	
	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		\$447	\$548	\$547	\$546	\$544	\$543	\$542	\$541	\$539	\$538	\$537	\$535	6,407	
10	Energy Jurisdictional Factor		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11	Demand Jurisdictional Factor - Production (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)		325	398	398	397	396	395	394	393	392	391	390	389	4,658	
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$325	\$398	\$398	\$397	\$396	\$395	\$394	\$393	\$392	\$391	\$390	\$389	\$4,658	

Notes:

- (A) N/A
- (B) Jan - Jun 2020 Line 6 x 7.67% x 1/12. Jul - Dec 2020 Line 6 x 7.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.31% (Jan-Jun) and 4.36% (Jul-Dec), and statutory income tax rate of 24.522% (inc tax multiplier = 1.3248894). 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 2019 Effective Tax Rate on original cost.
January 2020 Property Tax includes a credit to revise prior period calculations which utilized an incorrect property tax rate; the credit includes applicable commercial paper interest.
- (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 2020 - December 2020

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-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	End of Period Total
1	Investments														
	a. Expenditures/Additions		\$31,742	\$36,702	\$22,532	\$90,385	\$33,067	\$16,401	\$0	\$0	\$0	\$0	\$0	\$0	\$230,828
	b. Clearings to Plant		0	0	0	0	2,641,711	16,401	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	2,641,711	2,658,112	2,658,112	2,658,112	2,658,112	2,658,112	2,658,112	2,658,112	2,658,112
3	Less: Accumulated Depreciation	0	0	0	0	0	(5,438)	(10,909)	(16,380)	(21,851)	(27,322)	(32,793)	(38,264)	(43,735)	
4	CWIP - Non-Interest Bearing	2,427,284	2,459,026	2,495,727	2,518,260	2,608,644	0	0	0	0	0	0	0	0	0
5	Net Investment (Lines 2 + 3 + 4)	\$2,427,284	\$2,459,026	\$2,495,727	\$2,518,260	\$2,608,644	\$2,636,273	\$2,647,203	\$2,641,732	\$2,636,261	\$2,630,790	\$2,625,319	\$2,619,848	\$2,614,377	
6	Average Net Investment		\$2,443,155	\$2,477,376	\$2,506,993	\$2,563,452	\$2,622,459	\$2,641,738	\$2,644,467	\$2,638,996	\$2,633,525	\$2,628,054	\$2,622,583	\$2,617,112	
7	Return on Average Net Investment (B)														
	a. Debt Component	Jan-Jun	1.97%	Jul-Dec	1.89%										
	b. Equity Component Grossed Up For Taxes		5.71%		5.77%										
	c. Other														
8	Investment Expenses														
	a. Depreciation (C) 2.4700%		0	0	0	0	5,438	5,471	5,471	5,471	5,471	5,471	5,471	5,471	43,735
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (D) 0.000525		0	0	0	0	116	116	116	116	116	116	116	116	928
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$15,621	\$15,839	\$16,029	\$16,390	\$22,321	\$22,478	\$22,470	\$22,436	\$22,401	\$22,366	\$22,331	\$22,296	242,978
	a. Recoverable Costs Allocated to Energy		0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand		\$15,621	\$15,839	\$16,029	\$16,390	\$22,321	\$22,478	\$22,470	\$22,436	\$22,401	\$22,366	\$22,331	\$22,296	242,978
10	Energy Jurisdictional Factor		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11	Demand Jurisdictional Factor - Production (Base)		0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	
12	Retail Energy-Related Recoverable Costs (E)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Retail Demand-Related Recoverable Costs (F)		\$14,510	\$14,712	\$14,889	\$15,224	\$20,733	\$20,879	\$20,871	\$20,840	\$20,807	\$20,775	\$20,742	\$20,710	225,692
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$14,510	\$14,712	\$14,889	\$15,224	\$20,733	\$20,879	\$20,871	\$20,840	\$20,807	\$20,775	\$20,742	\$20,710	\$225,692

Notes:

- (A) N/A
- (B) Jan - Jun 2020 Line 6 x 7.67% x 1/12. Jul - Dec 2020 Line 6 x 7.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.31% (Jan-Jun) and 4.36% (Jul-Dec), and statutory income tax rate of 24.522% (inc tax multiplier = 1.3248894). 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 2019 Effective Tax Rate on original cost. January 2020 Property Tax includes a credit to revise prior period calculations which utilized an incorrect property tax rate; the credit includes applicable commercial paper interest.
- (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 2020 - December 2020

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

Line	Description	Beginning of Period Amount	Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	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	(2,144,574)	(2,180,246)	(2,215,918)	(2,251,590)	(2,287,262)	(2,322,934)	(2,358,606)	(2,394,278)	(2,429,950)	(2,465,622)	(2,501,294)	(2,536,966)	(2,572,638)	
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)	\$10,697,296	\$10,661,624	\$10,625,952	\$10,590,280	\$10,554,608	\$10,518,936	\$10,483,264	\$10,447,592	\$10,411,920	\$10,376,248	\$10,340,576	\$10,304,904	\$10,269,232	
6	Average Net Investment		\$10,679,460	\$10,643,788	\$10,608,116	\$10,572,444	\$10,536,772	\$10,501,100	\$10,465,428	\$10,429,756	\$10,394,084	\$10,358,412	\$10,322,740	\$10,287,068	
7	Return on Average Net Investment (B)														
	a. Debt Component		1.97%	1.89%											
	b. Equity Component Grossed Up For Taxes		5.71%	5.77%											
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation (C) 3.3333%		35,672	35,672	35,672	35,672	35,672	35,672	35,672	35,672	35,672	35,672	35,672	35,672	428,064
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (D) 0.008150		(9,561)	8,722	8,722	8,722	8,722	8,722	8,722	8,722	8,722	8,722	8,722	8,722	86,381
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$94,393	\$112,447	\$112,220	\$111,991	\$111,763	\$111,535	\$111,212	\$110,983	\$110,756	\$110,528	\$110,301	\$110,073	1,318,202
	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		\$94,393	\$112,447	\$112,220	\$111,991	\$111,763	\$111,535	\$111,212	\$110,983	\$110,756	\$110,528	\$110,301	\$110,073	1,318,202
10	Energy Jurisdictional Factor		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11	Demand Jurisdictional Factor - Production (Intermediate)		0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	
12	Retail Energy-Related Recoverable Costs (E)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Retail Demand-Related Recoverable Costs (F)		68,627	81,752	81,587	81,421	81,255	81,089	80,854	80,688	80,523	80,357	80,192	80,026	958,373
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$68,627	\$81,752	\$81,587	\$81,421	\$81,255	\$81,089	\$80,854	\$80,688	\$80,523	\$80,357	\$80,192	\$80,026	\$958,373

Notes:

- (A) N/A
- (B) Jan - Jun 2020 Line 6 x 7.67% x 1/12. Jul - Dec 2020 Line 6 x 7.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.31% (Jan-Jun) and 4.36% (Jul-Dec), and statutory income tax rate of 24.522% (inc tax multiplier = 1.3248894). 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 2019 Effective Tax Rate on original cost. January 2020 Property Tax includes a credit to revise prior period calculations which utilized an incorrect property tax rate; the credit includes applicable commercial paper interest.
- (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 2020 - December 2020

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-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	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	(345,965)	(352,547)	(359,129)	(365,711)	(372,293)	(378,875)	(385,457)	(392,039)	(398,621)	(405,203)	(411,785)	(418,367)	(424,949)			
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)	\$3,344,222	\$3,337,640	\$3,331,058	\$3,324,476	\$3,317,894	\$3,311,312	\$3,304,730	\$3,298,148	\$3,291,566	\$3,284,984	\$3,278,402	\$3,271,820	\$3,265,238			
6	Average Net Investment		\$3,340,931	\$3,334,349	\$3,327,767	\$3,321,185	\$3,314,603	\$3,308,021	\$3,301,439	\$3,294,857	\$3,288,275	\$3,281,693	\$3,275,111	\$3,268,529			
7	Return on Average Net Investment (B)																
	a. Debt Component		1.96670%	1.89%	5,476	5,465	5,454	5,443	5,432	5,422	5,203	5,192	5,182	5,172	5,161	5,151	63,753
	b. Equity Component Grossed Up For Taxes		5.70577%	5.77%	15,885	15,854	15,823	15,792	15,760	15,729	15,876	15,844	15,812	15,781	15,749	15,717	189,622
	c. Other		0	0	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	6,582	78,984	
	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	N/A	N/A	N/A	N/A	N/A	N/A	
	d. Property Taxes (D) 0.000525		(1,577)	161	161	161	161	161	161	161	161	161	161	161	161	194	
	e. Other (E)		(597)	(597)	(597)	(597)	(597)	(597)	(597)	(597)	(597)	(597)	(597)	(597)	(597)	(7,160)	
9	Total System Recoverable Expenses (Lines 7 + 8)		\$25,770	\$27,465	\$27,423	\$27,381	\$27,338	\$27,297	\$27,225	\$27,182	\$27,140	\$27,099	\$27,056	\$27,014	\$27,014	325,393	
	a. Recoverable Costs Allocated to Energy		25,770	27,465	27,423	27,381	27,338	27,297	27,225	27,182	27,140	27,099	27,056	27,014	27,014	325,393	
	b. Recoverable Costs Allocated to Demand		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	
10	Energy Jurisdictional Factor		0.97570	0.97330	0.94540	0.95410	0.91520	0.91350	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	N/A	N/A	N/A	N/A	N/A	N/A			
12	Retail Energy-Related Recoverable Costs (F)		\$25,143	\$26,732	\$25,926	\$26,125	\$25,020	\$24,936	\$24,964	\$25,028	\$25,311	\$25,223	\$25,847	\$25,508	\$305,763		
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)		\$25,143	\$26,732	\$25,926	\$26,125	\$25,020	\$24,936	\$24,964	\$25,028	\$25,311	\$25,223	\$25,847	\$25,508	\$305,763		

Notes:

- (A) N/A
- (B) Jan - Jun 2020 Line 6 x 7.67% x 1/12. Jul - Dec 2020 Line 6 x 7.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.31% (Jan-Jun) and 4.36% (Jul-Dec), and statutory income tax rate of 24.522% (inc tax multiplier = 1.3248894). 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 2019 Effective Tax Rate on original cost.
January 2020 Property Tax includes a credit to revise prior period calculations which utilized an incorrect property tax rate; the credit includes applicable commercial paper interest.
- (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 2020 - December 2020

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-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	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	(17,457,598)	(17,700,012)	(17,942,426)	(18,184,840)	(18,427,254)	(18,669,668)	(18,912,082)	(19,154,496)	(19,396,910)	(19,639,324)	(19,881,738)	(20,124,152)	(20,366,566)			
4	CWIP - AFUDC Bearing	(0)	(0)	(0)	(0)	(0)	(0)	(0)	0	0	0	0	0	0			
5	Net Investment (Lines 2 + 3 + 4)	\$116,460,669	\$116,218,255	\$115,975,841	\$115,733,427	\$115,491,013	\$115,248,599	\$115,006,185	\$114,763,771	\$114,521,357	\$114,278,943	\$114,036,529	\$113,794,115	\$113,551,701			
6	Average Net Investment		\$116,339,462	\$116,097,048	\$115,854,634	\$115,612,220	\$115,369,806	\$115,127,392	\$114,884,978	\$114,642,564	\$114,400,150	\$114,157,736	\$113,915,322	\$113,672,908			
7	Return on Average Net Investment (B)		Jan-Jun	Jul-Dec													
	a. Debt Component		1.97%	1.89%	190,671	190,273	189,876	189,479	189,081	188,684	181,049	180,667	180,285	179,903	179,521	179,139	2,218,628
	b. Equity Component Grossed Up For Taxes		5.71%	5.77%	553,172	552,019	550,866	549,714	548,561	547,409	552,446	551,280	550,114	548,949	547,783	546,617	6,598,930
	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	242,414	2,908,968	
	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	N/A	N/A	N/A	N/A	N/A	N/A	
	d. Property Taxes (D) 0.006390		(211,077)	71,311	71,311	71,311	71,311	71,311	71,311	71,311	71,311	71,311	71,311	71,311	71,311	573,344	
	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)	(14,794)	(177,534)	
9	Total System Recoverable Expenses (Lines 7 + 8)		\$760,385	\$1,041,223	\$1,039,673	\$1,038,124	\$1,036,573	\$1,035,024	\$1,032,426	\$1,030,878	\$1,029,330	\$1,027,783	\$1,026,235	\$1,024,687	12,122,336		
	a. Recoverable Costs Allocated to Energy		760,385	1,041,223	1,039,673	1,038,124	1,036,573	1,035,024	1,032,426	1,030,878	1,029,330	1,027,783	1,026,235	1,024,687	12,122,336		
	b. Recoverable Costs Allocated to Demand		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0		
10	Energy Jurisdictional Factor		0.97570	0.97330	0.94540	0.95410	0.91520	0.91350	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	N/A	N/A	N/A	N/A	N/A	N/A			
12	Retail Energy-Related Recoverable Costs (F)		\$741,908	\$1,013,422	\$982,906	\$990,474	\$948,671	\$945,494	\$946,664	\$949,161	\$959,946	\$956,613	\$980,355	\$967,542	\$11,383,156		
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)		\$741,908	\$1,013,422	\$982,906	\$990,474	\$948,671	\$945,494	\$946,664	\$949,161	\$959,946	\$956,613	\$980,355	\$967,542	\$11,383,156		

Notes:

- (A) N/A
- (B) Jan - Jun 2020 Line 6 x 7.67% x 1/12. Jul - Dec 2020 Line 6 x 7.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.31% (Jan-Jun) and 4.36% (Jul-Dec), and statutory income tax rate of 24.522% (inc tax multiplier = 1.3248894). 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 2019 Effective Tax Rate on original cost.
January 2020 Property Tax includes a credit to revise prior period calculations which utilized an incorrect property tax rate; the credit includes applicable commercial paper interest.
- (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 2020 - December 2020

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-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	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	22,681,074	
	d. Other (A)		0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base	\$22,681,074	22,681,074	22,681,074	22,681,074	22,681,074	22,681,074	22,681,074	22,681,074	22,681,074	22,681,074	22,681,074	22,681,074		(0)
3	Less: Accumulated Depreciation	(3,846,177)	(3,916,110)	(3,986,043)	(4,055,976)	(4,125,909)	(4,195,842)	(4,265,775)	(4,335,708)	(4,405,641)	(4,475,574)	(4,545,507)	(4,615,440)		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)	\$18,834,897	\$18,764,964	\$18,695,031	\$18,625,098	\$18,555,165	\$18,485,232	\$18,415,299	\$18,345,366	\$18,275,433	\$18,205,500	\$18,135,567	\$18,065,634		(\$0)
6	Average Net Investment		\$18,799,930	\$18,729,997	\$18,660,064	\$18,590,131	\$18,520,198	\$18,450,265	\$18,380,332	\$18,310,399	\$18,240,466	\$18,170,533	\$18,100,600		\$9,032,817
7	Return on Average Net Investment (B)														
	a. Debt Component		1.9667%	1.89%											
	b. Equity Component Grossed Up For Taxes		5.7058%	5.77%											
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation (C) 3.7000%		69,933	69,933	69,933	69,933	69,933	69,933	69,933	69,933	69,933	69,933	69,933	69,933	839,196
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (D) 0.000525		(9,619)	992	992	992	992	992	992	992	992	992	992	992	1,293
	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)		\$169,976	\$180,140	\$179,692	\$179,245	\$178,798	\$178,350	\$177,736	\$177,290	\$176,843	\$176,396	\$175,950	\$175,504	2,125,925
	a. Recoverable Costs Allocated to Energy		169,976	180,140	179,692	179,245	178,798	178,350	177,736	177,290	176,843	176,396	175,950	175,504	2,125,925
	b. Recoverable Costs Allocated to Demand		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0
10	Energy Jurisdictional Factor		0.97570	0.97330	0.94540	0.95410	0.91520	0.91350	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	N/A	N/A	N/A	N/A	N/A	N/A	
12	Retail Energy-Related Recoverable Costs (F)		\$165,846	\$175,331	\$169,881	\$171,018	\$163,636	\$162,923	\$162,972	\$163,237	\$164,923	\$164,182	\$168,084	\$165,717	\$1,997,750
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)		\$165,846	\$175,331	\$169,881	\$171,018	\$163,636	\$162,923	\$162,972	\$163,237	\$164,923	\$164,182	\$168,084	\$165,717	\$1,997,750

Notes:

- (A) N/A
- (B) Jan - Jun 2020 Line 6 x 7.67% x 1/12. Jul - Dec 2020 Line 6 x 7.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.31% (Jan-Jun) and 4.36% (Jul-Dec), and statutory income tax rate of 24.522% (inc tax multiplier = 1.3248894). 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 2019 Effective Tax Rate on original cost.
January 2020 Property Tax includes a credit to revise prior period calculations which utilized an incorrect property tax rate; the credit includes applicable commercial paper interest.
- (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 2020 - December 2020

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-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	End of Period Total
1	Investments														
	a. Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$268,356	\$268,356	\$268,356	\$268,356	\$268,356	\$1,341,780
	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	\$446,090	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	(20,252)	(21,058)	(21,864)	(22,670)	(23,476)	(24,282)	(25,088)	(25,894)	(26,700)	(27,506)	(28,312)	(29,118)	(29,924)	
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	268,356	536,712	805,068	1,073,424	1,341,780	
5	Net Investment (Lines 2 + 3 + 4)	\$425,838	\$425,032	\$424,226	\$423,420	\$422,614	\$421,808	\$421,002	\$420,196	\$687,746	\$955,296	\$1,222,846	\$1,490,396	\$1,757,946	
6	Average Net Investment		\$425,435	\$424,629	\$423,823	\$423,017	\$422,211	\$421,405	\$420,599	\$553,971	\$821,521	\$1,089,071	\$1,356,621	\$1,624,171	
7	Return on Average Net Investment (B)														
	a. Debt Component		1.97%	1.89%											
	b. Equity Component Grossed Up For Taxes		5.71%	5.77%											
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
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	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (D) 0.000525		(142)	20	20	20	20	20	20	20	20	20	20	20	78
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$3,384	\$3,541	\$3,536	\$3,530	\$3,526	\$3,521	\$3,512	\$4,363	\$6,071	\$7,779	\$9,488	\$11,196	63,447
	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		3,384	3,541	3,536	3,530	3,526	3,521	3,512	4,363	6,071	7,779	9,488	11,196	63,447
10	Energy Jurisdictional Factor		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11	Demand Jurisdictional Factor		0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	
12	Retail Energy-Related Recoverable Costs (E)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Retail Demand-Related Recoverable Costs (F)		3,143	3,289	3,284	3,279	3,275	3,270	3,262	4,053	5,639	7,226	8,813	10,399	58,932
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$3,143	\$3,289	\$3,284	\$3,279	\$3,275	\$3,270	\$3,262	\$4,053	\$5,639	\$7,226	\$8,813	\$10,399	\$58,932

Notes:

- (A) N/A
- (B) Jan - Jun 2020 Line 6 x 7.67% x 1/12. Jul - Dec 2020 Line 6 x 7.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.31% (Jan-Jun) and 4.36% (Jul-Dec), and statutory income tax rate of 24.522% (inc tax multiplier = 1.3248894). 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 2019 Effective Tax Rate on original cost.
January 2020 Property Tax includes a credit to revise prior period calculations which utilized an incorrect property tax rate; the credit includes applicable commercial paper interest.
- (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 2020 - December 2020

Form 42 9E

Docket No. 20200007-EI
Duke Energy Florida
Witness: C. A. Menendez
Exh. No. __ (CAM-3)
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Capital Structure and Cost Rates

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%	5.71%
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%	7.67%
			Total Debt	1.97%	1.97%
			Total Equity	4.31%	5.71%

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.

The May 2019 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	\$ 5,587,139,333	41.48%	0.10500	4.36%	5.77%
PS	-	0.00%	0.00000	0.00%	0.00%
LTD	5,219,534,862	38.75%	0.04616	1.79%	1.79%
STD	228,721,050	1.70%	0.02101	0.04%	0.04%
CD-Active	184,176,907	1.37%	0.02434	0.03%	0.03%
CD-Inactive	1,820,718	0.01%	0.00000	0.00%	0.00%
ADIT	2,189,708,749	16.26%	0.00000	0.00%	0.00%
FAS 109	-	0.00%	0.00000	0.00%	0.00%
ITC	58,310,573	0.43%	0.07658	0.03%	0.03%
Total	\$ 13,469,412,193	100.00%		6.25%	7.66%
			Total Debt	1.89%	1.89%
			Total Equity	4.36%	5.77%

May 2020 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. 20200007-EI

Duke Energy Florida

Christopher A. Menendez

Exh. No. __ (CAM-4)

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DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Capital Program Detail

January 2020 - December 2020
Actuals for the Period January 2020 - June 2020
Estimates for the Period July 2020 - December 2020
Docket No. 20200007-EI

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

Line	Description	Beginning of Period	Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	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	(469,383)	(473,068)	(476,753)	(480,438)	(484,123)	(487,808)	(491,493)	(495,178)	(498,863)	(502,548)	(506,233)	(509,918)	(513,603)	(513,603)
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)	\$1,004,418	\$1,000,733	\$997,048	\$993,363	\$989,678	\$985,993	\$982,308	\$978,623	\$974,938	\$971,253	\$967,568	\$963,883	\$960,198	\$960,198
6	Average Net Investment		1,002,576	998,891	995,206	991,521	987,836	984,151	980,466	976,781	973,096	969,411	965,726	962,041	962,041
7	Return on Average Net Investment (A)														
	a. Debt Component		1.97%	1.89%											
	b. Equity Component Grossed Up For Taxes		5.71%	5.77%											
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation		3,685	3,685	3,685	3,685	3,685	3,685	3,685	3,685	3,685	3,685	3,685	3,685	44,220
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (B)		0.8150%												
	e. Other		(1,425)	1,001	1,001	1,001	1,001	1,001	1,001	1,001	1,001	1,001	1,001	1,001	9,586
			0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$8,670	\$11,073	\$11,049	\$11,025	\$11,002	\$10,978	\$10,946	\$10,922	\$10,899	\$10,876	\$10,852	\$10,828	\$129,120
	a. Recoverable Costs Allocated to Energy		0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand		\$8,670	\$11,073	\$11,049	\$11,025	\$11,002	\$10,978	\$10,946	\$10,922	\$10,899	\$10,876	\$10,852	\$10,828	\$129,120

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

Line	Description	Beginning of Period	Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	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	(1,272,803)	(1,281,942)	(1,291,081)	(1,300,220)	(1,309,359)	(1,318,498)	(1,327,637)	(1,336,776)	(1,345,915)	(1,355,054)	(1,364,193)	(1,373,332)	(1,382,471)	(1,382,471)
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)	\$388,861	\$379,722	\$370,583	\$361,444	\$352,305	\$343,166	\$334,027	\$324,888	\$315,749	\$306,610	\$297,471	\$288,332	\$279,193	\$279,193
6	Average Net Investment		384,292	375,153	366,014	356,875	347,736	338,597	329,458	320,319	311,180	302,041	292,902	283,763	283,763
7	Return on Average Net Investment (A)														
	a. Debt Component		1.97%	1.89%											
	b. Equity Component Grossed Up For Taxes		5.71%	5.77%											
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation		6.6000%												
	b. Amortization		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
	c. Dismantlement		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Property Taxes (B)		0.7220%												
	e. Other		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			(1,426)	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	9,574
			0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$10,170	\$12,538	\$12,479	\$12,421	\$12,362	\$12,304	\$12,242	\$12,184	\$12,125	\$12,067	\$12,009	\$11,951	\$144,852
	a. Recoverable Costs Allocated to Energy		0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand		\$10,170	\$12,538	\$12,479	\$12,421	\$12,362	\$12,304	\$12,242	\$12,184	\$12,125	\$12,067	\$12,009	\$11,951	\$144,852

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

(B) January 2020 Property Tax includes a credit to revise prior period calculations which utilized an incorrect property tax rate; the credit includes applicable commercial paper interest.

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

Line	Description	Beginning of Period	Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	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	178,938	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	0	0	0	0	0
3	Less: Accumulated Depreciation	(107,081)	(107,797)	(108,513)	(109,229)	(109,945)	(110,661)	(111,377)	(112,093)	(112,809)	65,413	0	0	0	0
3a	Regulatory Asset Balance (C)	0	0	0	0	0	0	0	0	0	0	59,962	54,511	49,060	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)	\$71,857	\$71,141	\$70,425	\$69,709	\$68,993	\$68,277	\$67,561	\$66,845	\$66,129	\$65,413	\$59,962	\$54,511	\$49,060	
6	Average Net Investment		71,499	70,783	70,067	69,351	68,635	67,919	67,203	66,487	65,771	62,688	57,237	51,785	
7	Return on Average Net Investment (A)														
	a. Debt Component		1.97%	1.89%											
	b. Equity Component Grossed Up For Taxes		5.71%	5.77%											
	c. Other														
8	Investment Expenses														
	a. Depreciation	4.8000%	716	716	716	716	716	716	716	716	716	0	0	0	6,444
	b. Amortization (C)		0	0	0	0	0	0	0	0	0	5,451	5,451	5,451	16,353
	c. Dismantlement		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (B)	0.8000%	(2,307)	119	119	119	119	119	119	119	119	0	0	0	(1,355)
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		(\$1,134)	\$1,288	\$1,283	\$1,279	\$1,273	\$1,269	\$1,264	\$1,260	\$1,255	\$5,851	\$5,816	\$5,782	\$26,487
	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		(\$1,134)	\$1,288	\$1,283	\$1,279	\$1,273	\$1,269	\$1,264	\$1,260	\$1,255	\$5,851	\$5,816	\$5,782	\$26,487

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

Line	Description	Beginning of Period	Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	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	(264,349)	(266,171)	(267,993)	(269,815)	(271,637)	(273,459)	(275,281)	(277,103)	(278,925)	(280,747)	(282,569)	(284,391)	(286,213)	
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)	\$465,946	\$464,124	\$462,302	\$460,480	\$458,658	\$456,836	\$455,014	\$453,192	\$451,370	\$449,548	\$447,726	\$445,904	\$444,082	
6	Average Net Investment		465,035	463,213	461,391	459,569	457,747	455,925	454,103	452,281	450,459	448,637	446,815	444,993	
7	Return on Average Net Investment (A)														
	a. Debt Component		1.97%	1.89%											
	b. Equity Component Grossed Up For Taxes		5.71%	5.77%											
	c. Other														
8	Investment Expenses														
	a. Depreciation	2.9936%	1,822	1,822	1,822	1,822	1,822	1,822	1,822	1,822	1,822	1,822	1,822	1,822	21,864
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (B)	1.1030%	(1,755)	671	671	671	671	671	671	671	671	671	671	671	5,626
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$3,040	\$5,454	\$5,443	\$5,431	\$5,419	\$5,408	\$5,393	\$5,381	\$5,369	\$5,357	\$5,346	\$5,334	\$62,375
	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		\$3,040	\$5,454	\$5,443	\$5,431	\$5,419	\$5,408	\$5,393	\$5,381	\$5,369	\$5,357	\$5,346	\$5,334	\$62,375

(A) The allowable return is per the methodology approved in Order No. PSC-2012-0425-PAA-EU.
 (B) January 2020 Property Tax includes a credit to revise prior period calculations which utilized an incorrect property tax rate; the credit includes applicable commercial paper interest.
 (C) Investment amortized over one year as approved in Order No. PSC-2019-0500-FOF-EI.

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

Line	Description	Beginning of Period	Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	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	(426,600)	(429,452)	(432,304)	(435,156)	(438,008)	(440,860)	(443,712)	(446,564)	(449,416)	(452,268)	(455,120)	(457,972)	(460,824)	
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)	\$610,599	\$607,747	\$604,895	\$602,043	\$599,191	\$596,339	\$593,487	\$590,635	\$587,783	\$584,931	\$582,079	\$579,227	\$576,375	
6	Average Net Investment		609,173	606,321	603,469	600,617	597,765	594,913	592,061	589,209	586,357	583,505	580,653	577,801	
7	Return on Average Net Investment (A)														
	a. Debt Component		1.97%	1.89%											
	b. Equity Component Grossed Up For Taxes		5.71%	5.77%											
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation		3.3000%	2,852	2,852	2,852	2,852	2,852	2,852	2,852	2,852	2,852	2,852	2,852	34,224
	b. Amortization			0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (B)		0.8390%	(1,701)	725	725	725	725	725	725	725	725	725	725	6,274
	e. Other			0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$5,046	\$7,454	\$7,435	\$7,417	\$7,399	\$7,381	\$7,357	\$7,339	\$7,321	\$7,303	\$7,284	\$7,266	\$86,002
	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		\$5,046	\$7,454	\$7,435	\$7,417	\$7,399	\$7,381	\$7,357	\$7,339	\$7,321	\$7,303	\$7,284	\$7,266	\$86,002

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

Line	Description	Beginning of Period	Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	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	(916,094)	(923,931)	(931,768)	(939,605)	(947,442)	(955,279)	(963,116)	(970,953)	(978,790)	(986,627)	(994,464)	(1,002,301)	(1,010,138)	
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)	\$2,700,810	\$2,692,973	\$2,685,136	\$2,677,299	\$2,669,462	\$2,661,625	\$2,653,788	\$2,645,951	\$2,638,114	\$2,630,277	\$2,622,440	\$2,614,603	\$2,606,766	
6	Average Net Investment		2,696,891	2,689,054	2,681,217	2,673,380	2,665,543	2,657,706	2,649,869	2,642,032	2,634,195	2,626,358	2,618,521	2,610,684	
7	Return on Average Net Investment (A)														
	a. Debt Component		1.97%	1.89%											
	b. Equity Component Grossed Up For Taxes		5.71%	5.77%											
	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	94,044
	b. Amortization			0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (B)		0.8220%	52	2,478	2,478	2,478	2,478	2,478	2,478	2,478	2,478	2,478	2,478	27,310
	e. Other			0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$25,132	\$27,508	\$27,458	\$27,407	\$27,358	\$27,308	\$27,233	\$27,184	\$27,133	\$27,083	\$27,034	\$26,983	\$324,821
	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		\$25,132	\$27,508	\$27,458	\$27,407	\$27,358	\$27,308	\$27,233	\$27,184	\$27,133	\$27,083	\$27,034	\$26,983	\$324,821

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

(B) January 2020 Property Tax includes a credit to revise prior period calculations which utilized an incorrect property tax rate; the credit includes applicable commercial paper interest.

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

Line	Description	Beginning of Period Amount	Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	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	
3	Less: Accumulated Depreciation	(66,126)	(66,367)	(66,608)	(66,849)	(67,090)	(67,331)	(67,572)	(67,813)	(68,054)	(68,295)	(68,536)	(68,777)	(69,018)	
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)	\$75,309	\$75,068	\$74,827	\$74,586	\$74,345	\$74,104	\$73,863	\$73,622	\$73,381	\$73,140	\$72,899	\$72,658	\$72,417	
6	Average Net Investment		75,188	74,947	74,706	74,465	74,224	73,983	73,742	73,501	73,260	73,019	72,778	72,537	
7	Return on Average Net Investment (A)														
	a. Debt Component		1.97%	1.89%											
	b. Equity Component Grossed Up For Taxes		5.71%	5.77%											
	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	2,892
	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 (B)		0.9910%		(2,309)	117	117	117	117	117	117	117	117	117	(1,022)
	e. Other				0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		(\$1,587)	\$837	\$835	\$834	\$833	\$831	\$829	\$827	\$825	\$824	\$823	\$821	\$7,532
	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		(\$1,587)	\$837	\$835	\$834	\$833	\$831	\$829	\$827	\$825	\$824	\$823	\$821	\$7,532

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

Line	Description	Beginning of Period Amount	Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	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	
3	Less: Accumulated Depreciation	0	0	0	0	0	0	0	0	0	0	0	0	0	
3a	Regulatory Asset Balance (C)	169,932	155,771	141,610	127,449	113,288	99,127	84,966	70,805	56,644	42,483	28,322	14,161	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)	\$169,932	\$155,771	\$141,610	\$127,449	\$113,288	\$99,127	\$84,966	\$70,805	\$56,644	\$42,483	\$28,322	\$14,161	\$0	
6	Average Net Investment		162,851	148,690	134,529	120,368	106,207	92,046	77,885	63,724	49,563	35,402	21,241	7,080	
7	Return on Average Net Investment (A)														
	a. Debt Component		1.97%	1.89%											
	b. Equity Component Grossed Up For Taxes		5.71%	5.77%											
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation		5.4000%		0	0	0	0	0	0	0	0	0	0	0
	b. Amortization (C)				14,161	14,161	14,161	14,161	14,161	14,161	14,161	14,161	14,161	14,161	169,932
	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		0.8270%		0	0	0	0	0	0	0	0	0	0	0
	e. Other				0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$15,202	\$15,112	\$15,021	\$14,930	\$14,840	\$14,750	\$14,659	\$14,567	\$14,477	\$14,387	\$14,296	\$14,206	\$176,447
	a. Recoverable Costs Allocated to Energy		0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand		\$15,202	\$15,112	\$15,021	\$14,930	\$14,840	\$14,750	\$14,659	\$14,567	\$14,477	\$14,387	\$14,296	\$14,206	\$176,447

(A) The allowable return is per the methodology approved in Order No. PSC-2012-0425-PAA-EU.
 (B) January 2020 Property Tax includes a credit to revise prior period calculations which utilized an incorrect property tax rate; the credit includes applicable commercial paper interest.
 (C) Investment amortized over one year as approved in Order No. PSC-2019-0500-FOF-EI.

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

Line	Description	Beginning of Period Amount	Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	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	33,092	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	0
3	Less: Accumulated Depreciation	(20,787)	(20,889)	(20,991)	(21,093)	(21,195)	(21,297)	(21,399)	(21,501)	(21,603)	(21,705)	(21,807)	(21,909)	(21,909)	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)	\$12,305	\$12,203	\$12,101	\$11,999	\$11,897	\$11,795	\$11,693	\$11,591	\$11,489	\$11,387	\$11,285	\$11,183	\$11,183	\$0
6	Average Net Investment		12,254	12,152	12,050	11,948	11,846	11,744	11,642	11,540	11,438	11,336	11,234	5,592	
7	Return on Average Net Investment (A)														
	a. Debt Component		20	20	20	20	19	19	18	18	18	18	18	18	226
	b. Equity Component Grossed Up For Taxes		58	58	57	57	56	56	56	55	55	55	54	54	671
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation		102	102	102	102	102	102	102	102	102	102	102	102	1,224
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (B)		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)		\$185	\$185	\$184	\$184	\$182	\$182	\$181	\$180	\$180	\$180	\$179	\$179	\$2,181
	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		\$185	\$185	\$184	\$184	\$182	\$182	\$181	\$180	\$180	\$180	\$179	\$179	\$2,181

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

Line	Description	Beginning of Period Amount	Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	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	
3	Less: Accumulated Depreciation	(\$24,748)	(27,678)	(30,608)	(33,538)	(36,468)	(39,398)	(42,328)	(45,258)	(48,188)	(51,118)	(54,048)	(56,978)	(59,908)	
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)	\$2,341,199	\$2,338,269	\$2,335,339	\$2,332,409	\$2,329,479	\$2,326,549	\$2,323,619	\$2,320,689	\$2,317,759	\$2,314,829	\$2,311,899	\$2,308,969	\$2,306,039	
6	Average Net Investment		2,339,734	2,336,804	2,333,874	2,330,944	2,328,014	2,325,084	2,322,154	2,319,224	2,316,294	2,313,364	2,310,434	2,307,504	
7	Return on Average Net Investment (A)														
	a. Debt Component		3,835	3,830	3,825	3,820	3,815	3,811	3,660	3,655	3,650	3,646	3,641	3,636	44,824
	b. Equity Component Grossed Up For Taxes		11,125	11,111	11,097	11,083	11,069	11,055	11,167	11,152	11,138	11,124	11,110	11,096	133,327
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation		2,930	2,930	2,930	2,930	2,930	2,930	2,930	2,930	2,930	2,930	2,930	2,930	35,160
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (B)		(389)	324	324	324	324	324	324	324	324	324	324	324	3,175
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$17,501	\$18,195	\$18,176	\$18,157	\$18,138	\$18,120	\$18,081	\$18,061	\$18,042	\$18,024	\$18,005	\$17,986	\$216,486
	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		\$17,501	\$18,195	\$18,176	\$18,157	\$18,138	\$18,120	\$18,081	\$18,061	\$18,042	\$18,024	\$18,005	\$17,986	\$216,486

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

(B) January 2020 Property Tax includes a credit to revise prior period calculations which utilized an incorrect property tax rate; the credit includes applicable commercial paper interest.

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

Line	Description	Beginning of Period Amount	Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	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	(85,386)	(85,911)	(86,436)	(86,961)	(87,486)	(88,011)	(88,536)	(89,061)	(89,586)	(90,111)	(90,636)	(91,161)	(91,686)	(91,686)
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)	\$204,911	\$204,386	\$203,861	\$203,336	\$202,811	\$202,286	\$201,761	\$201,236	\$200,711	\$200,186	\$199,661	\$199,136	\$198,611	\$198,611
6	Average Net Investment		204,649	204,124	203,599	203,074	202,549	202,024	201,499	200,974	200,449	199,924	199,399	198,874	
7	Return on Average Net Investment (A)														
	a. Debt Component														
		Jan-Jun	Jul-Dec												
		1.97%	1.89%												
	b. Equity Component Grossed Up For Taxes														
		5.71%	5.77%												
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation		2.1722%	525	525	525	525	525	525	525	525	525	525	525	6,300
	b. Amortization			0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (B)		0.6390%	(434)	155	155	155	155	155	155	155	155	155	155	1,271
	e. Other			0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$1,399	\$1,986	\$1,982	\$1,979	\$1,975	\$1,972	\$1,967	\$1,963	\$1,960	\$1,956	\$1,953	\$1,949	\$23,041
	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		\$1,399	\$1,986	\$1,982	\$1,979	\$1,975	\$1,972	\$1,967	\$1,963	\$1,960	\$1,956	\$1,953	\$1,949	\$23,041

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

(B) January 2020 Property Tax includes a credit to revise prior period calculations which utilized an incorrect property tax rate; the credit includes applicable commercial paper interest.

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

Line	Description	Beginning of Period Amount	Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	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	161,754	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	0	0	0	0	0
3	Less: Accumulated Depreciation	(53,033)	(53,437)	(53,841)	(54,245)	(54,649)	(55,053)	(55,457)	(55,861)	(56,265)	105,085	0	0	0	0
3a	Regulatory Asset Balance (C)	0	0	0	0	0	0	0	0	0	0	96,328	87,571	78,814	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)	\$108,721	\$108,317	\$107,913	\$107,509	\$107,105	\$106,701	\$106,297	\$105,893	\$105,489	\$105,085	\$96,328	\$87,571	\$78,814	0
6	Average Net Investment		108,519	108,115	107,711	107,307	106,903	106,499	106,095	105,691	105,287	100,707	91,949	83,192	0
7	Return on Average Net Investment (A)														
	a. Debt Component		1.97%	1.89%											
	b. Equity Component Grossed Up For Taxes		5.71%	5.77%											
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation		3.0000%		404	404	404	404	404	404	404	0	0	0	3,636
	b. Amortization (C)				0	0	0	0	0	0	0	8,757	8,757	8,757	26,271
	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 (B)		0.8000%		(222)	108	108	108	108	108	108	0	0	0	642
	e. Other				0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$876	\$1,203	\$1,201	\$1,198	\$1,195	\$1,193	\$1,189	\$1,187	\$1,184	\$9,400	\$9,344	\$9,288	\$38,458
	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		\$876	\$1,203	\$1,201	\$1,198	\$1,195	\$1,193	\$1,189	\$1,187	\$1,184	\$9,400	\$9,344	\$9,288	\$38,458

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

Line	Description	Beginning of Period Amount	Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	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	0
3	Less: Accumulated Depreciation	(62,449)	(62,807)	(63,165)	(63,523)	(63,881)	(64,239)	(64,597)	(64,955)	(65,313)	(65,671)	(66,029)	(66,387)	(66,745)	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)	\$212,898	\$212,540	\$212,182	\$211,824	\$211,466	\$211,108	\$210,750	\$210,392	\$210,034	\$209,676	\$209,318	\$208,960	\$208,602	0
6	Average Net Investment		212,719	212,361	212,003	211,645	211,287	210,929	210,571	210,213	209,855	209,497	209,139	208,781	0
7	Return on Average Net Investment (A)														
	a. Debt Component		1.97%	1.89%											
	b. Equity Component Grossed Up For Taxes		5.71%	5.77%											
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation		1.5610%		358	358	358	358	358	358	358	358	358	358	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 (B)		0.8150%		(143)	187	187	187	187	187	187	187	187	187	1,914
	e. Other				0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$1,575	\$1,903	\$1,900	\$1,898	\$1,896	\$1,894	\$1,890	\$1,887	\$1,885	\$1,882	\$1,881	\$1,878	\$22,369
	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		\$1,575	\$1,903	\$1,900	\$1,898	\$1,896	\$1,894	\$1,890	\$1,887	\$1,885	\$1,882	\$1,881	\$1,878	\$22,369

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

(B) January 2020 Property Tax includes a credit to revise prior period calculations which utilized an incorrect property tax rate; the credit includes applicable commercial paper interest.

(C) Investment amortized over one year as approved in Order No. PSC-2019-0500-FOF-EI.

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

Line	Description	Beginning of Period Amount	Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	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	(57,087)	(57,471)	(57,855)	(58,239)	(58,623)	(59,007)	(59,391)	(59,775)	(60,159)	(60,543)	(60,927)	(61,311)	(61,695)	(61,695)
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)	\$141,901	\$141,517	\$141,133	\$140,749	\$140,365	\$139,981	\$139,597	\$139,213	\$138,829	\$138,445	\$138,061	\$137,677	\$137,293	
6	Average Net Investment		141,709	141,325	140,941	140,557	140,173	139,789	139,405	139,021	138,637	138,253	137,869	137,485	
7	Return on Average Net Investment (A)														
	a. Debt Component		1.97%	1.89%											
	b. Equity Component Grossed Up For Taxes		5.71%	5.77%											
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation	2.3149%	384	384	384	384	384	384	384	384	384	384	384	384	4,608
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (B)	1.1030%	(147)	183	183	183	183	183	183	183	183	183	183	183	1,866
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$1,143	\$1,471	\$1,468	\$1,465	\$1,463	\$1,461	\$1,457	\$1,455	\$1,452	\$1,450	\$1,447	\$1,445	\$17,177
	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		\$1,143	\$1,471	\$1,468	\$1,465	\$1,463	\$1,461	\$1,457	\$1,455	\$1,452	\$1,450	\$1,447	\$1,445	\$17,177

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

Line	Description	Beginning of Period Amount	Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	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	(32,655)	(32,874)	(33,093)	(33,312)	(33,531)	(33,750)	(33,969)	(34,188)	(34,407)	(34,626)	(34,845)	(35,064)	(35,283)	(35,283)
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)	\$55,012	\$54,793	\$54,574	\$54,355	\$54,136	\$53,917	\$53,698	\$53,479	\$53,260	\$53,041	\$52,822	\$52,603	\$52,384	
6	Average Net Investment		54,903	54,684	54,465	54,246	54,027	53,808	53,589	53,370	53,151	52,932	52,713	52,494	
7	Return on Average Net Investment (A)														
	a. Debt Component		1.97%	1.89%											
	b. Equity Component Grossed Up For Taxes		5.71%	5.77%											
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation	3.0000%	219	219	219	219	219	219	219	219	219	219	219	219	2,628
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (B)	0.8220%	(270)	60	60	60	60	60	60	60	60	60	60	60	390
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$300	\$629	\$627	\$626	\$625	\$623	\$621	\$620	\$619	\$617	\$615	\$614	\$7,136
	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		\$300	\$629	\$627	\$626	\$625	\$623	\$621	\$620	\$619	\$617	\$615	\$614	\$7,136

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

(B) January 2020 Property Tax includes a credit to revise prior period calculations which utilized an incorrect property tax rate; the credit includes applicable commercial paper interest.

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

Line	Description	Beginning of Period Amount	Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	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)	239,885	219,894	199,904	179,914	159,923	139,933	119,942	99,952	79,962	59,971	39,981	19,990	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)	\$239,885	\$219,894	\$199,904	\$179,914	\$159,923	\$139,933	\$119,942	\$99,952	\$79,962	\$59,971	\$39,981	\$19,990	\$0	
6	Average Net Investment		229,890	209,899	189,909	169,918	149,928	129,938	109,947	89,957	69,966	49,976	29,986	9,995	
7	Return on Average Net Investment (A)														
	a. Debt Component		1.97%	1.89%											
	b. Equity Component Grossed Up For Taxes		5.71%	5.77%											
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation	0.0000%	0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Amortization (C)		19,990	19,990	19,990	19,990	19,990	19,990	19,990	19,990	19,990	19,990	19,990	19,990	239,885
	c. Dismantlement		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (B)	0.0000%	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)		\$21,460	\$21,332	\$21,204	\$21,076	\$20,949	\$20,821	\$20,692	\$20,565	\$20,436	\$20,309	\$20,181	\$20,054	\$249,084
	a. Recoverable Costs Allocated to Energy		0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand		\$21,460	\$21,332	\$21,204	\$21,076	\$20,949	\$20,821	\$20,692	\$20,565	\$20,436	\$20,309	\$20,181	\$20,054	\$249,084

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

Line	Description	Beginning of Period Amount	Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	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	349,583
3	Less: Accumulated Depreciation	(113,899)	(114,686)	(115,473)	(116,260)	(117,047)	(117,834)	(118,621)	(119,408)	(120,195)	(120,982)	(121,769)	(122,556)	(123,343)	
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)	\$235,685	\$234,898	\$234,111	\$233,324	\$232,537	\$231,750	\$230,963	\$230,176	\$229,389	\$228,602	\$227,815	\$227,028	\$226,241	
6	Average Net Investment		235,291	234,504	233,717	232,930	232,143	231,356	230,569	229,782	228,995	228,208	227,421	226,634	
7	Return on Average Net Investment (A)														
	a. Debt Component		1.97%	1.89%											
	b. Equity Component Grossed Up For Taxes		5.71%	5.77%											
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation	2.7000%	787	787	787	787	787	787	787	787	787	787	787	787	9,444
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (B)	0.7220%	(120)	210	210	210	210	210	210	210	210	210	210	210	2,190
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$2,172	\$2,496	\$2,491	\$2,487	\$2,481	\$2,476	\$2,469	\$2,464	\$2,459	\$2,454	\$2,449	\$2,444	\$29,342
	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		\$2,172	\$2,496	\$2,491	\$2,487	\$2,481	\$2,476	\$2,469	\$2,464	\$2,459	\$2,454	\$2,449	\$2,444	\$29,342

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

(B) January 2020 Property Tax includes a credit to revise prior period calculations which utilized an incorrect property tax rate; the credit includes applicable commercial paper interest.

(C) Investment amortized over one year as approved in Order No. PSC-2019-0500-FOF-EI.

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

Line	Description	Beginning of Period Amount	Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	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	
3	Less: Accumulated Depreciation	(\$66,342)	(66,765)	(67,188)	(67,611)	(68,034)	(68,457)	(68,880)	(69,303)	(69,726)	(70,149)	(70,572)	(70,995)	(71,418)	
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)	\$315,218	\$314,795	\$314,372	\$313,949	\$313,526	\$313,103	\$312,680	\$312,257	\$311,834	\$311,411	\$310,988	\$310,565	\$310,142	
6	Average Net Investment		315,006	314,583	314,160	313,737	313,314	312,891	312,468	312,045	311,622	311,199	310,776	310,353	
7	Return on Average Net Investment (A)														
	a. Debt Component														
			1.97%	1.89%											
	b. Equity Component Grossed Up For Taxes		516	516	515	514	513	513	492	492	491	490	490	489	6,031
	c. Other		1,498	1,496	1,494	1,492	1,490	1,488	1,503	1,501	1,498	1,496	1,494	1,492	17,942
			0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation		1.3299%	423	423	423	423	423	423	423	423	423	423	423	5,076
	b. Amortization			0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (B)		0.8390%	(63)	267	267	267	267	267	267	267	267	267	267	2,874
	e. Other			0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$2,374	\$2,702	\$2,699	\$2,696	\$2,693	\$2,691	\$2,685	\$2,683	\$2,679	\$2,676	\$2,674	\$2,671	\$31,923
	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		\$2,374	\$2,702	\$2,699	\$2,696	\$2,693	\$2,691	\$2,685	\$2,683	\$2,679	\$2,676	\$2,674	\$2,671	\$31,923

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

(B) January 2020 Property Tax includes a credit to revise prior period calculations which utilized an incorrect property tax rate; the credit includes applicable commercial paper interest.

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

Line	Description	Beginning of Period Amount	Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	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	(\$235,217)	(239,641)	(244,065)	(248,489)	(252,913)	(257,337)	(261,761)	(266,185)	(270,609)	(275,033)	(279,457)	(283,881)	(288,305)	(288,305)
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)	\$1,913,883	\$1,909,459	\$1,905,035	\$1,900,611	\$1,896,187	\$1,891,763	\$1,887,339	\$1,882,915	\$1,878,491	\$1,874,067	\$1,869,643	\$1,865,219	\$1,860,795	\$1,860,795
6	Average Net Investment		1,911,671	1,907,247	1,902,823	1,898,399	1,893,975	1,889,551	1,885,127	1,880,703	1,876,279	1,871,855	1,867,431	1,863,007	1,863,007
7	Return on Average Net Investment (A)														
	a. Debt Component	Jan-Jun 1.97%	Jul-Dec 1.89%												
	b. Equity Component Grossed Up For Taxes	5.71%	5.77%												
	c. Other														
8	Investment Expenses														
	a. Depreciation	2.4700%	4,424	4,424	4,424	4,424	4,424	4,424	4,424	4,424	4,424	4,424	4,424	4,424	53,088
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (B)	0.0525%	(317)	94	94	94	94	94	94	94	94	94	94	94	717
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$16,330	\$16,713	\$16,685	\$16,656	\$16,627	\$16,599	\$16,554	\$16,526	\$16,497	\$16,469	\$16,441	\$16,413	\$198,510
	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		\$16,330	\$16,713	\$16,685	\$16,656	\$16,627	\$16,599	\$16,554	\$16,526	\$16,497	\$16,469	\$16,441	\$16,413	\$198,510

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

Line	Description	Beginning of Period Amount	Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	End of Period Total
1	Investments														
	a. Expenditures/Additions		\$159,014	(\$1,299)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$157,716
	b. Clearings to Plant		159,014	(1,299)	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	\$83,225,983	83,384,998	83,383,699	83,383,699	83,383,699	83,383,699	83,383,699	83,383,699	83,383,699	83,383,699	83,383,699	83,383,699	83,383,699	83,383,699
3	Less: Accumulated Depreciation	(\$1,166,676)	(1,269,934)	(1,373,191)	(1,476,448)	(1,579,705)	(1,682,962)	(1,786,219)	(1,889,476)	(1,992,733)	(2,095,990)	(2,199,247)	(2,302,504)	(2,405,761)	(2,405,761)
4	CWIP - Non-Interest Bearing	0	0	1	1	1	1	1	1	1	1	1	1	1	1
5	Net Investment (Lines 2 + 3 + 4)	\$82,059,307	\$82,115,064	\$82,010,508	\$81,907,251	\$81,803,994	\$81,700,737	\$81,597,480	\$81,494,223	\$81,390,966	\$81,287,709	\$81,184,452	\$81,081,195	\$80,977,938	\$80,977,938
6	Average Net Investment		82,087,186	82,062,786	81,958,880	81,855,623	81,752,366	81,649,109	81,545,852	81,442,595	81,339,338	81,236,081	81,132,824	81,029,567	81,029,567
7	Return on Average Net Investment (A)														
	a. Debt Component	Jan-Jun 1.97%	Jul-Dec 1.89%												
	b. Equity Component Grossed Up For Taxes	5.71%	5.77%												
	c. Other														
8	Investment Expenses														
	a. Depreciation	1.4860%	103,258	103,257	103,257	103,257	103,257	103,257	103,257	103,257	103,257	103,257	103,257	103,257	1,239,085
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (B)	0.0525%	(12,318)	3,647	3,647	3,647	3,647	3,647	3,647	3,647	3,647	3,647	3,647	3,647	27,799
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$615,783	\$631,591	\$630,927	\$630,267	\$629,606	\$628,946	\$627,541	\$626,883	\$626,223	\$625,564	\$624,905	\$624,246	\$7,522,482
	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		\$615,783	\$631,591	\$630,927	\$630,267	\$629,606	\$628,946	\$627,541	\$626,883	\$626,223	\$625,564	\$624,905	\$624,246	\$7,522,482

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.

(B) January 2020 Property Tax includes a credit to revise prior period calculations which utilized an incorrect property tax rate; the credit includes applicable commercial paper interest.

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

Line	Description	Beginning of Period Amount	Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	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	(\$104,197)	(105,558)	(106,919)	(108,280)	(109,641)	(111,002)	(112,363)	(113,724)	(115,085)	(116,446)	(117,807)	(119,168)	(120,529)	
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)	\$556,801	\$555,440	\$554,079	\$552,718	\$551,357	\$549,996	\$548,635	\$547,274	\$545,913	\$544,552	\$543,191	\$541,830	\$540,469	
6	Average Net Investment		556,121	554,760	553,399	552,038	550,677	549,316	547,955	546,594	545,233	543,872	542,511	541,150	
7	Return on Average Net Investment (A)														
	a. Debt Component		1.97%	1.89%											
	b. Equity Component Grossed Up For Taxes		5.71%	5.77%											
	c. Other														
8	Investment Expenses														
	a. Depreciation	2.4700%	1,361	1,361	1,361	1,361	1,361	1,361	1,361	1,361	1,361	1,361	1,361	1,361	16,332
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (B)	0.0525%	(98)	29	29	29	29	29	29	29	29	29	29	29	221
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$4,818	\$4,937	\$4,928	\$4,920	\$4,911	\$4,902	\$4,889	\$4,879	\$4,871	\$4,862	\$4,854	\$4,845	\$58,616
	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		\$4,818	\$4,937	\$4,928	\$4,920	\$4,911	\$4,902	\$4,889	\$4,879	\$4,871	\$4,862	\$4,854	\$4,845	\$58,616

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

Line	Description	Beginning of Period Amount	Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	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	(\$66,823)	(67,864)	(68,905)	(69,946)	(70,987)	(72,028)	(73,069)	(74,110)	(75,151)	(76,192)	(77,233)	(78,274)	(79,315)	
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)	\$439,081	\$438,040	\$436,999	\$435,958	\$434,917	\$433,876	\$432,835	\$431,794	\$430,753	\$429,712	\$428,671	\$427,630	\$426,589	
6	Return on Average Net Investment (A)		438,561	437,520	436,479	435,438	434,397	433,356	432,315	431,274	430,233	429,192	428,151	427,110	
7	Return on Average Net Investment														
	a. Debt Component		1.97%	1.89%											
	b. Equity Component Grossed Up For Taxes		5.71%	5.77%											
	c. Other														
8	Investment Expenses														
	a. Depreciation	2.4700%	1,041	1,041	1,041	1,041	1,041	1,041	1,041	1,041	1,041	1,041	1,041	1,041	12,492
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (B)	0.0525%	(75)	22	22	22	22	22	22	22	22	22	22	22	167
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$3,770	\$3,860	\$3,853	\$3,847	\$3,840	\$3,834	\$3,823	\$3,817	\$3,810	\$3,803	\$3,797	\$3,790	\$45,844
	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		\$3,770	\$3,860	\$3,853	\$3,847	\$3,840	\$3,834	\$3,823	\$3,817	\$3,810	\$3,803	\$3,797	\$3,790	\$45,844

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.

(B) January 2020 Property Tax includes a credit to revise prior period calculations which utilized an incorrect property tax rate; the credit includes applicable commercial paper interest.

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. 20200007-EI

7 July 31, 2020

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. 20200007-
19 EI?**

20 A. Yes, I provided direct testimony on April 1, 2020.

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 2020 actual/estimated cost projections and original 2020 cost projections for environmental compliance costs associated with DEF’s Coal Combustion Residual (“CCR”) Rule compliance project.

Q. Please explain the O&M variance between actual/estimated project expenditures and original projections for CCR (Project 18) O&M for the period January 2020 through December 2020.

A. O&M expenditures for CCR are expected to be \$676,328 or 281% higher than projected. This is primarily due to remediating the ash landfill ditches and stormwater ponds by removing sediment CCR contributing to groundwater exceedances, as required by the 2019 Assessment of Corrective Measures (“ACM”) per the Federal CCR Rule. This work is part of DEF’s Ash Landfill project, which is discussed more fully below.

Q. Please explain the Capital variance between actual/estimated project expenditures and original projections for CCR (Project 18) Capital for the period January 2020 through December 2020.

A. Capital expenditures for CCR are expected to be \$1,299,780 higher than projected. This is primarily due to the start of engineering and construction of a lined sedimentation basin and stormwater conveyance ditch for the ash landfill. This will substantially reduce further sedimentation of CCR into the ash landfill ditches and stormwater ponds, as required by the 2019 ACM per the Federal CCR Rule. As noted in previous testimonies and approved in Order PSC-2019-0500-FOF-EI, DEF was waiting for a feasibility study of options covered

1 by the ACM and is now moving forward with implementation of the selected corrective
2 action measures. This work is part of DEF's Ash Landfill project, which is discussed more
3 fully below.

4
5 **Q. Please provide an update on the CCR Ash Landfill project**

6 A. On July 3, 2019, DEF notified the Commission of a new ECRC project for the CCR Ash
7 Landfill. In Order PSC-2019-0500-FOF-EI, the Commission approved the Ash Landfill
8 project as recoverable through ECRC. In 2020, DEF will remediate the perimeter ditch to
9 remove accumulated CCR materials. This includes the construction of a new lined basin /
10 ditch area that would prevent future material accumulation. DEF expects to complete this
11 work in 2020. DEFs initial cost estimates to implement this work are approximately \$617k
12 in O&M and \$1.3M capital. These are based on preliminary engineering and design and
13 may change as additional engineering and design work is completed.

14
15 In addition to the work above, DEF will continue to monitor natural attenuation of the
16 constituents of interest. DEF will continue to monitor the success of current remediation
17 efforts and will update this project should additional remediation activities be required to
18 meet compliance.

19
20 **Q. Does this conclude your testimony?**

21 A. Yes.

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BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

DIRECT TESTIMONY OF

JEFFREY SWARTZ

ON BEHALF OF

DUKE ENERGY FLORIDA, LLC

DOCKET NO. 20200007-EI

July 31, 2020

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. 20200007-EI?

A. Yes, I provided direct testimony on April 1, 2020.

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 2020 actual/estimated cost projections and original 2020 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 2020 through December 2020?**

8 A. O&M expenditures are expected to be \$6,393,400 or 28% lower than originally
9 projected. This projected variance is primarily due to \$3M lower than originally
10 projected CAIR-Base costs, \$1.4M lower than originally projected CAIR-
11 Energy (Reagents), and \$1.9M lower than originally projected CAIR-Conditions
12 of Certification (Energy).

13
14 **Q. Please explain the variance between actual/estimated O&M expenditures**
15 **and the original projections for O&M expenditures for the CAIR/CAMR**
16 **CR-Base Program (Project 7.4) for the period January 2020 through**
17 **December 2020?**

18 A. O&M expenditures for the CAIR/CAMR CR-Base Program are expected to be
19 \$3,032,195 or 22% lower than originally forecasted. This is primarily due to
20 generation run times at CR 4 and 5 forecasted to be lower than originally
21 projected.

22
23 **Q. Please explain the variance between actual/estimated O&M expenditures**
24 **and the original projections for O&M expenditures for the CAIR/CAMR**

1 **CR-Energy (Reagents) Program (Project 7.4) for the period January 2020**
2 **through December 2020?**

3 A. O&M expenditures for the CAIR/CAMR CR-Energy (Reagents) Program are
4 expected to be \$1,416,520 or 25% lower than originally forecasted. This
5 variance consists of lower expenses for Ammonia (\$378k), Limestone (\$316k),
6 Gypsum Sale/Disposal (\$477k) and Hydrated Lime (\$239k). These are all
7 primarily due to lower than projected generation at CR units 4 and 5.

8

9 **Q. Please explain the variance between actual/estimated O&M expenditures**
10 **and the original projections for O&M expenditures for the CAIR/CAMR**
11 **CR-Energy A&G Program (Project 7.4) for the period January 2020**
12 **through December 2020?**

13 A. O&M expenditures for the CAIR/CAMR CR – A&G Program are expected to
14 be \$27,879 or 29% lower than originally forecasted. This is primarily due to
15 less A&G time being charged to ECRC than originally forecasted.

16

17 **Q. Please explain the variance between actual/estimated O&M expenditures**
18 **and the original projections for O&M expenditures for the CAIR/CAMR**
19 **CR-Energy (Conditions of Certification) Program (Project 7.4) for the**
20 **period January 2020 through December 2020?**

21 A. O&M expenditures for the CAIR/CAMR CR-Energy (Conditions of
22 Certification) Program are expected to be \$1,916,806 or 66% lower than
23 originally forecasted. This is primarily due to lower than projected generation at
24 CR units 4 and 5.

1

2 **Q. How do actual/estimated Capital project expenditures compare with**
3 **original projections for the CAIR/CAMR CR (Conditions of Certification)**
4 **Program (Project 7.4q) for the period January 2020 through December**
5 **2020?**

6 A. Capital expenditures for the CAIR/CAMR CR (Conditions of Certification)
7 Program are expected to be \$157,716 higher than originally projected. There
8 were no charges forecasted for 2020, but due to wildlife issues (alligator in and
9 around the tank) and a 2019 invoice payment occurring in January 2020, there
10 were some final 2020 costs. No further charges are expected.

11

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

13 A. Yes.

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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. 20200007-EI

July 31, 2020

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. 20200007-EI?

A. Yes, I provided direct testimony on April 1, 2020.

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 2020 actual/estimated cost projections and original 2020 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 2020 through December 2020.

17
18 **Q. Please explain the variance between actual/estimated O&M project**
19 **expenditures and original projections for Substation Environmental**
20 **Investigation, Remediation and Pollution Prevention Program (Projects 1**
21 **& 1a) for the period January 2020 through December 2020.**

22 A. Total O&M expenditures for the Transmission and Distribution Substation
23 Remediation Projects are estimated to be \$12,199 or 49% lower than originally
24 projected. Project 1, Transmission Substation Remediation, is forecasted to be

1 \$12,356, or 49% lower than originally projected, primarily due to final
2 remediation work being completed sooner than expected. Duke Energy expects
3 to incur costs for one remaining site for which Duke Energy is working with
4 FDEP to receive approval of the deed restriction. Project 1a, Distribution
5 Substation Remediation, is forecasted to be \$157, or 100% higher than
6 originally projected. The distribution portion of this program is now complete,
7 and the variance is primarily attributable to final reconciling of remediation
8 invoices. Upon completion of obligations around the remaining site, costs may
9 be incurred associated with any final actions or reports the FDEP may require
10 for the closure of the Consent Order.

11

12 **Q. Please explain the variance between actual/estimated O&M project**
13 **expenditures and original projections for Phase II Cooling Water Intake**
14 **316(b) (Projects 6 & 6a) for the period January 2020 through December**
15 **2020.**

16 A. O&M expenditures for Phase II Cooling Water Intake 316(b) are expected to be
17 \$169,327 or 125% higher than originally forecasted.

18 Project 6, 316(b) – Base, is forecasted to be \$89k or 130% higher than
19 forecasted. Project 6a, 316(b) – Intermediate, is forecasted to be \$81k, or 120%
20 higher than originally forecasted. These variances are primarily due to
21 modifications of the 316(b) reports that were required following peer review
22 comments received by DEF. DEF incurred additional consultant time to ensure
23 the responses satisfied peer reviewer questions, and that calculations and

1 evaluations were updated to address peer review comments prior to submittal of
2 the technical reports to FDEP.

3

4 **Q. Please explain the variance between actual/estimated Capital project**
5 **expenditures and original projections for Phase II Cooling Water Intake**
6 **316(b) (Project 6) for the period January 2020 through December 2020.**

7 A. Capital expenditures for Phase II Cooling Water Intake 316(b) are expected to
8 be \$862,245 or 18% higher than originally forecasted. This is primarily due
9 to an additional pump and variable frequency drive motor being required at
10 Crystal River North. The computer model DEF utilized to develop the original
11 design did not accurately estimate the expected water flows. Therefore, DEF
12 must install an additional pump and variable frequency drive motor to achieve
13 the necessary water flow to meet 316(b) requirements. Work is expected to be
14 complete this year, but may extend into 2021 depending on lead time to acquire
15 the equipment and installation times.

16

17 **Q. Please explain the variance between actual/estimated O&M project**
18 **expenditures and original projections for Sea Turtle – Coastal Street**
19 **Lighting (Project 9) for the period January 2020 through December 2020.**

20 A. O&M expenditures for Sea Turtle – Coastal Street Lighting are expected to be
21 \$300 lower than forecasted. Turtle nesting season has recently begun and DEF
22 has not received any new requests from Gulf County or Pinellas County Code
23 Enforcement for any issues regarding new lighting fixtures, therefore the \$300
24 forecasted is not expected to be spent.

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Q. Please explain the variance between actual/estimated Capital project expenditures and original projections for Sea Turtle – Coastal Street Lighting (Project 9) for the period January 2020 through December 2020.

A. Capital expenditures for Sea Turtle – Coastal Street Lighting are expected to be \$300 lower than forecasted. Turtle nesting season has recently begun and DEF has not received any new requests from Gulf County or Pinellas County Code Enforcement for any issues regarding new lighting fixtures, therefore the \$300 forecasted is not expected to be spent.

Q. Please explain the variance between actual/estimated Capital project expenditures and original projections for the Effluent Limitation Guidelines CRN (Project 15.1) for the period January 2020 through December 2020.

A. Capital expenditures are forecasted to be \$134,427 or 168% higher than originally forecasted. This is primarily due to timing, as four pumps scheduled for delivery October 2019 arrived late, one in late November and the other three arrived mid-December. This also delayed purchase and installation of the seals associated with the pump. Final analysis and testing of the completed project were pushed into 2020. No further expenditures are expected.

Q. Please explain the variance between actual/estimated O&M project expenditures and original projections for the Effluent Limitation

1 **Guidelines CRN (Project 15.1) for the period January 2020 through**
2 **December 2020.**

3 A. O&M expenditures are forecasted to be \$40,000 lower, reflecting a variance of
4 100% lower than originally forecasted. There is no O&M anticipated to be
5 spent on this project in 2020.

6

7 **Q. Please explain the variance between actual/estimated O&M project**
8 **expenditures and original projections for National Pollutant Discharge**
9 **Elimination System (NPDES) (Project 16) for the period January 2020**
10 **through December 2020.**

11 A. O&M expenditures for National Pollutant Discharge Elimination System
12 (“NPDES”) are expected to be \$4,440 or 17% higher than forecasted. This is
13 primarily due to a price increase for the Whole Effluent Toxicity (“WET”)
14 testing provided by the contract laboratory. Additionally, one of the two
15 required semi-annual tests for Crystal River North was inadvertently not
16 included in original estimates.

17

18 **Q. Please explain the variance between actual/estimated O&M project**
19 **expenditures and original projections for MATS CR4&5 (Project 17) for**
20 **the period January 2020 through December 2020.**

21 A. O&M expenditures for MATS CR 4&5 are expected to be \$476,457 or 80%
22 lower than forecasted. This is primarily due to lower than originally forecasted
23 run times on CR 4&5.

24

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

2 A. The 316(b) rule became effective October 15, 2014, to minimize impingement
3 and entrainment of fish and aquatic life drawn into cooling systems at power
4 plants and factories. There are seven pre-approved impingement options.
5 Entrainment compliance is site specific (mesh screen or closed-cycle cooling).
6 Legal challenges to the 316(b) rule have so far been unsuccessful. The U.S.
7 Court of Appeals for the Second Circuit issued an opinion on the consolidated
8 challenges to the 316(b) Rule for Existing Facilities. The court upheld the Rule,
9 the Services' biological opinion, and the incidental take statement, concluding
10 the each action was based on reasonable interpretations of the applicable statutes
11 and sufficiently supported by the adequate record. The court also found that
12 EPA complied with applicable procedures, including by giving adequate notice
13 of the final rule's provisions to the public.
14 The regulation primarily applies to facilities that commenced construction on or
15 before January 17, 2002, and to new units at existing facilities that are built to
16 increase the generating capacity of the facility. All facilities that withdraw
17 greater than 2 million gallons per day from waters of the U.S. and where twenty-
18 five percent (25%) of the withdrawn water is used for cooling purposes are
19 subject to the regulation.
20 Per the final rule, required 316(b) studies and information submittals will be tied
21 to NPDES permit renewals. For permits that expire within 45 months of the
22 effective date of the final rule, certain information must be submitted with the
23 renewal application. Other information, including field study results, will be
24 required to be submitted pursuant to a schedule included in the re-issued NPDES

1 permit. Both the Anclote and Bartow stations are within this schedule and the
2 required information is being prepared for submittal with the renewal
3 applications due July 2020 and August 2020, respectively. Retirement of
4 Crystal River Units 1 & 2 in 2018 satisfied 316(b) requirements for those units.
5 A 316(b) Compliance Plan for Crystal River Units 4 & 5 utilizing the cooling
6 water blowdown from the Citrus Combined Cycle Station as the source of make-
7 up water for Crystal River Units 4&5 is being implemented as part of the current
8 permit renewal for those units.

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

12 The Bartow Station will require modifications to comply with the 316(b) Rule.
13 DEF is proposing Anclote station can meet 316(b) requirements with existing
14 infrastructure but additional studies to demonstrate compliance will likely be
15 required. DEF has been conducting 316(b) studies at the Anclote and Bartow
16 stations and study results along with proposed compliance strategies will be
17 filed with the Florida Department of Environmental Protection (“FDEP”) in July
18 and August 2020, respectively as part of the NPDES renewal process. Proposed
19 compliance strategies for both will be evaluated by FDEP as part of the NPDES
20 permit renewal.

21 The full extent of compliance activities and associated expenditures cannot be
22 determined until review of the proposed options by FDEP has been completed
23 and the NPDES permit renewal issued with new compliance requirements and
24 schedules. While unlikely, it is possible preliminary engineering and design

1 activities could begin as early as the fourth quarter of 2021 if final NPDES
2 renewal is issued by FDEP next year. Due to the complexity of the 316(b)
3 studies and proposals under review by the agency, it is difficult to assess the
4 timing, or the outcome of the final NPDES permit renewal. Once the NPDES
5 permit renewal is issued with the required 316(b) Rule compliance strategies,
6 DEF will provide the Commission an update on the status of the 316(b) Rule
7 compliance strategies for Anclote and Bartow stations in Docket 20210007-EI.

8

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

10 A. For existing Units, on October 23, 2015, EPA published the final New Source
11 Performance Standards (“NSPS”) for CO2 emissions from existing fossil fuel-
12 fired electric generating units (also known as the “Clean Power Plan” or “CPP”).
13 The final CPP was challenged by 27 states and a number of industry groups,
14 with oral arguments held before the D.C. Circuit Court of Appeals on September
15 27, 2016. In addition, on February 8, 2016, the U.S. Supreme Court placed a
16 stay on the CPP until all litigation is completed.

17

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

23

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

- 9 • The final CO₂ emission standards for existing power plants (CPP);
- 10 • The final CO₂ emission standards for new power plants (CO₂ NSPS);
- 11 • The proposed Federal Plan and Model Trading Rules that accompanied
12 the CPP.

13 In response to the EO, the Department of Justice filed motions with the D.C.
14 Circuit Court to stay the litigation of both the CPP and the CO₂ NSPS rules
15 while each is reviewed by EPA. As a result, the D.C. Circuit has granted a
16 number of 60-day extensions holding the CPP litigation in abeyance. The most
17 recent extension was issued on June 20, 2019. Neither the EO nor the abeyance
18 change the current status of the CPP which is under a legal hold by the U.S.
19 Supreme Court. With regard to the CO₂ NSPS, that rule will remain in effect
20 pending the outcome of EPA’s review.

21
22 On June 19, 2019, EPA signed a final rule informally referred to as the
23 Affordable Clean Energy (“ACE”) Rule, which repeals and replaces the CPP. In
24 the ACE Rule, EPA finalized revised guidelines to replace the CPP and inform

1 the development of state plans to reduce GHG emissions from existing coal-
2 fired electric generating units (“EGUs”). EPA has determined that heat rate
3 improvement measures are the best system of emission reduction (“BESR”) for
4 reducing GHG emissions from existing coal-fired EGUs. The rule requires states
5 to develop their individual state plan within three years of the effective date of
6 the ACE Rule.

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

9
10

11 **Q. Please provide an update on the Waters of the United States (“WOTUS”)**
12 **Rule.**

13 A. On June 29, 2015, the EPA and the Army Corps of Engineers (“Corps”)
14 published the final Clean Water Rule that significantly expands the definition of
15 the Waters of the United States (“WOTUS”). On October 9, 2015, the U.S.
16 Court of Appeals for the Sixth Circuit granted a nationwide stay of the rule
17 effective through the conclusion of the judicial review process. On February 22,
18 2016, the court issued an opinion that it has jurisdiction and is the appropriate
19 venue to hear the merits of legal challenges to the rule; however, that decision
20 was contested, and on January 13, 2017 the U.S. Supreme Court decided to
21 review the jurisdictional question. Oral arguments in the U.S. Supreme Court
22 were conducted in October 2017. On January 22, 2018 the U.S. Supreme Court
23 issued its decision stating federal courts, rather than federal appellate courts,
24 have jurisdiction over challenges to the rule defining waters of the United States.

1 Consistent with the U.S. Supreme Court decision, the U.S. Court of Appeals for
2 the Sixth Circuit lifted its nationwide stay on February 28, 2018. The stay
3 issued by the North Dakota District Court remains in effect, but only within the
4 thirteen states within the North Dakota District. On June 8, 2018, the Southern
5 District Georgia Court entered a Preliminary Injunction enjoining
6 implementation of the WOTUS rule in eleven states including Florida.

7
8 On June 27, 2017, the EPA and the Corps published a proposed rule to repeal
9 the 2015 WOTUS rule and re-codify the definition of WOTUS which is
10 currently in place. On January 31, 2018 the EPA and Corps announced a final
11 rule adding an applicability date to the 2015 rule, thereby deferring
12 implementation to early 2020. This rule has no immediate impact to Duke
13 Energy. The agencies will continue to apply the pre-existing WOTUS definition
14 that was in place prior to 2015 rule until 2020. EPA and Corps published a final
15 rule, “Navigable Waters Protection Rule: Definition of ‘Waters of the United
16 States’, On April 21, 2020, which became in effect on June 22, 2020. This final
17 rule has no immediate impact to Duke Energy.

18
19 **Q. Does this conclude your testimony?**

20 **A. Yes.**