



Stephanie A. Cuello
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July 26, 2024

VIA ELECTRONIC FILING

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

Re: *Environmental Cost Recovery Clause*; Docket No. 20240007-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 2024 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 2024 to December 2024;
- Direct Testimony of Gary P. Dean, Exhibit No. ___ (GPD-2);
- Direct Testimony of Reginald Anderson;
- Direct Testimony of Eric Szkolnyj; and
- Direct Testimony of Patricia West.

Thank you for your assistance in this matter and if you have any questions, please feel free to contact me at (850) 521-1425.

Sincerely,

/s/ Stephanie A. Cuello

Stephanie A. Cuello

SAC/mh
Enclosures

BEFORE THE PUBLIC SERVICE COMMISSION

In re: Environmental Cost Recovery Clause

Docket No. 20240007-EI

Filed: July 26, 2024

DUKE ENERGY FLORIDA'S PETITION FOR APPROVAL OF 2024 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 2024 to December 2024. In support of this Petition, the Company states:

1. As discussed in the testimony of Gary P. Dean filed contemporaneously with this Petition, the Company’s total actual/estimated true-up for this period is an over-recovery, including interest, of \$1,936,104.

2. The amount will have added to it the final true-up over-recovery of \$1,548,518 for 2023 discussed in Mr. Dean’s April 1, 2024, Direct Testimony filed in this docket, resulting in a net over-recovery of \$3,484,622. 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. __ (GPD-2) to Mr. Dean’s testimony of today’s date. Additional cost information for specific ECRC programs is presented in the testimonies of Reginald Anderson, Eric Szkolnyj, and Patricia West, which also are being filed contemporaneously with this Petition.

2. The ECRC actual/estimated true-up presented in Mr. Dean’s testimony and exhibits are consistent with the provisions of Section 366.8255, Florida Statute, and with prior rulings by the Florida Public Service Commission (“the Commission”).

WHEREFORE, the Company, respectfully requests that the Commission approve the Company’s ECRC actual/estimated true-up over-recovery of \$3,484,622 for the period January

2024 through December 2024 as set forth herein and in the Direct Testimony and supporting Exhibits of Mr. Dean.

Respectfully submitted,

/s/ Stephanie A. Cuello

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Attorneys for Duke Energy Florida, LLC

CERTIFICATE OF SERVICE

Docket No. 20240007-EI

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished via electronic mail to the following this 26th day of July, 2024.

/s/ Stephanie A. Cuello

Attorney

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BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

DIRECT TESTIMONY OF

GARY P. DEAN

ON BEHALF OF

DUKE ENERGY FLORIDA, LLC

DOCKET NO. 20240007-EI

July 26, 2024

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

2 A. My name is Gary P. Dean. My business address is 299 First Avenue North, St.
3 Petersburg, FL 33701.

4

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

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

8

9 **Q. Have you previously filed testimony before this Commission in Docket No.**
10 **20240007-EI?**

11 A. Yes, I provided direct testimony on April 1, 2024.

12

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

15 A. No.

16

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

2 A. The purpose of my testimony is to present, for Commission review and approval,
3 Duke Energy Florida, LLC's ("DEF") actual/estimated true-up costs associated
4 with environmental compliance activities for the period January 2024 through
5 December 2024. I also explain the variance between 2024 actual/estimated cost
6 projections versus original 2024 cost projections for SO₂/NO_x Emission
7 Allowances (Project 5).

8

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

11 A. Yes. I am sponsoring the following exhibit:

12 1. Exhibit No. __ (GPD-2), which consists of PSC Forms 42-1E through 42-
13 9E.

14 This exhibit provides detail on DEF's actual/estimated true-up capital and O&M
15 environmental costs and revenue requirements for the period January 2024
16 through December 2024.

17

18 **Q. What is the actual/estimated true-up amount for the January 2024 through
19 December 2024 period that DEF is requesting recovery?**

20 A. The 2024 actual/estimated true-up is an over-recovery, including interest, of
21 \$1,936,104 as shown on Form 42-1E, line 4. The final 2023 true-up over-recovery
22 of \$1,548,518 as shown on Form 42-2E, Line 7a, is added to this total, resulting
23 in a net over-recovery of \$3,484,622 as shown on Form 42-2E, Line 11. The

1 calculations supporting the 2024 actual/estimated true-up are on Forms 42-1E
2 through 42-9E.

3

4 **Q. What capital structure, components and cost rates did DEF rely on to**
5 **calculate the revenue requirement rate of return for the period January 2024**
6 **through December 2024?**

7 A. The capital structure, components and cost rates relied on to calculate the revenue
8 requirement rate of return for the period January 2024 through December 2024
9 are shown on Form 42-9E. This form includes the derivation of debt and equity
10 components used in the Return on Average Net Investment, lines 7 (a) and (b), on
11 Form 42-8E. Form 42-9E also cites the source and includes the rationale for using
12 the particular capital structure and cost rates.

13

14 **Q. How do actual/estimated O&M expenditures for January 2024 through**
15 **December 2024 compare with original projections?**

16 A. Form 42-4E shows that total O&M project costs are estimated to be \$9,144,889.
17 This is \$1.4M, or 13% lower than originally projected. This form also lists
18 individual O&M project variances. Explanations for these variances are included
19 in the Direct Testimonies of Reginald Anderson, Eric Szkolnyj, and Patricia West.

20

21 **Q. How do actual/estimated capital recoverable costs for January 2024 through**
22 **December 2024 compare with DEF's original projections?**

1 A. Form 42-6E shows that total recoverable capital costs are estimated to be
2 \$4,725,108. This is \$67k or 1% higher than originally projected. This form also
3 lists individual project variances. The return on investment, depreciation expense
4 and property taxes for each project for the actual/estimated period are provided
5 on Form 42-8E, pages 1 through 11. Explanations for these variances are included
6 in the Direct Testimonies of Mr. Anderson, Mr. Szkolnyj, and Ms. West.

7

8 **Q. Please explain the O&M variance between the Actual/Estimated and**
9 **original projections for the SO₂/NO_x Emissions Allowance (Project 5).**

10 A. The forecasted O&M variance is \$14,351 higher than projected due to higher-
11 than-projected SO₂ allowance expense.

12

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

14 A. Yes.

15

16

17

18

19

20

Docket No. 20240007-EI

Duke Energy Florida

Witness: G. P. Dean

Exh. No. __ (GPD-2)

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

January 2024 - December 2024
Calculation for the Current Period Actual / Estimated Amount
Actuals for the Period January 2024 - June 2024
Estimates for the Period July 2024 - December 2024

Docket No. 20240007-EI

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2024 - December 2024
(in Dollars)

Form 42-1E

Docket No. 20240007-EI
Duke Energy Florida
Witness: G. P. Dean
Exh. No. __ (GPD-2)
Page 2 of 20

<u>Line</u>	<u>Period Amount</u>
1 Over/(Under) Recovery for the Period (Form 42-2E, Line 5)	\$ 1,864,152
2 Interest Provision (Form 42-2E, Line 6)	71,952
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 2025 to December 2025 (Lines 1 + 2 + 3)	<u>\$ 1,936,104</u>

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2024 - December 2024

Form 42-2E

Docket No. 20240007-EI
Duke Energy Florida
Witness: G. P. Dean
Exh. No. ___ (GPD-2)
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End-of-Period True-Up Amount
(in Dollars)

Line	Description	Actual Jan-24	Actual Feb-24	Actual Mar-24	Actual Apr-24	Actual May-24	Actual Jun-24	Estimated Jul-24	Estimated Aug-24	Estimated Sep-24	Estimated Oct-24	Estimated Nov-24	Estimated Dec-24	End of Period Total
1	ECRC Revenues (net of Revenue Taxes)	\$1,308,980	\$1,256,793	\$1,202,866	\$1,254,677	\$1,556,040	\$1,810,004	\$1,732,062	\$1,767,297	\$1,753,230	\$1,556,786	\$1,374,222	\$1,289,882	\$17,862,840
2	True-Up Provision (Order No. PSC-2023-0344-FOF-EI)	(231,820)	(231,820)	(231,820)	(231,820)	(231,820)	(231,820)	(231,820)	(231,820)	(231,820)	(231,820)	(231,820)	(231,820)	(2,781,842)
3	ECRC Revenues Applicable to Period (Lines 1 + 2)	\$1,077,160	1,024,973	971,046	1,022,857	1,324,220	1,578,184	1,500,242	1,535,476	1,521,410	1,324,966	1,142,402	1,058,062	15,080,998
4	Jurisdictional ECRC Costs													
	a. O & M Activities (Form 42-5E, Line 9)	\$670,259	204,649	200,218	337,799	763,993	1,641,526	871,184	937,356	756,738	728,642	847,442	733,170	8,692,976
	b. Capital Investment Projects (Form 42-7E, Line 9)	377,951	377,021	377,410	373,787	370,046	372,278	371,744	374,293	378,667	383,013	384,439	383,223	4,523,870
	c. Other	0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Total Jurisdictional ECRC Costs	\$1,048,210	\$581,670	\$577,628	\$711,586	\$1,134,039	\$2,013,804	\$1,242,928	\$1,311,649	\$1,135,405	\$1,111,655	\$1,231,881	\$1,116,393	\$13,216,846
5	Over/(Under) Recovery (Line 3 - Line 4d)	\$28,950	443,303	393,418	311,272	190,181	(435,620)	257,314	223,828	386,005	213,311	(89,478)	(58,331)	\$1,864,152
6	Interest Provision (Form 42-3E, Line 10)	(4,886)	(2,828)	33	2,621	4,760	5,287	5,970	8,104	10,534	12,951	14,319	15,087	71,952
7	Beginning Balance True-Up & Interest Provision	(2,781,842)	(2,525,958)	(1,853,663)	(1,228,392)	(682,679)	(255,918)	(454,431)	40,673	504,425	1,132,785	1,590,867	1,747,528	(2,781,842)
	a. Deferred True-Up - January 2023 to December 2023 (2023 TU filing dated April 1, 2024)	1,548,518	1,548,518	1,548,518	1,548,518	1,548,518	1,548,518	1,548,518	1,548,518	1,548,518	1,548,518	1,548,518	1,548,518	1,548,518
8	True-Up Collected/(Refunded) (Line 2)	231,820	231,820	231,820	231,820	231,820	231,820	231,820	231,820	231,820	231,820	231,820	231,820	2,781,842
9	End of Period Total True-Up (Lines 5+6+7+7a+8)	(\$977,440)	(305,145)	320,126	865,839	1,292,600	1,094,087	1,589,191	2,052,943	2,681,303	3,139,385	3,296,046	3,484,622	\$3,484,622
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)	(\$977,440)	(\$305,145)	\$320,126	\$865,839	\$1,292,600	\$1,094,087	1,589,191	\$2,052,943	\$2,681,303	\$3,139,385	\$3,296,046	\$3,484,622	\$3,484,622

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2024 - December 2024

Form 42-3E

Docket No. 20240007-EI

Duke Energy Florida

Witness: G. P. Dean

Exh. No. __ (GPD-2)

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Interest Provision
(in Dollars)

End of
Period
Total

Line	Description	Actual Jan-24	Actual Feb-24	Actual Mar-24	Actual Apr-24	Actual May-24	Actual Jun-24	Estimated Jul-24	Estimated Aug-24	Estimated Sep-24	Estimated Oct-24	Estimated Nov-24	Estimated Dec-24	End of Period Total
1	Beginning True-Up Amount (Form 42-2E, Lines 7 + 7a + 10)	(\$1,233,324)	(\$977,440)	(\$305,145)	\$320,126	\$865,839	\$1,292,600	\$1,094,087	\$1,589,191	\$2,052,943	\$2,681,303	\$3,139,385	\$3,296,046	
2	Ending True-Up Amount Before Interest (Line 1 + Form 42-2E, Lines 5 + 8)	(972,554)	(302,317)	320,093	863,218	1,287,840	1,088,800	1,583,221	2,044,839	2,670,769	3,126,434	3,281,727	3,469,535	
3	Total of Beginning & Ending True-Up (Lines 1 + 2)	(2,205,879)	(1,279,757)	14,948	1,183,344	2,153,678	2,381,400	2,677,308	3,634,031	4,723,712	5,807,736	6,421,112	6,765,581	
4	Average True-Up Amount (Line 3 x 1/2)	(1,102,940)	(639,879)	7,474	591,672	1,076,839	1,190,700	1,338,654	1,817,016	2,361,856	2,903,868	3,210,556	3,382,791	
5	Interest Rate (First Business Day of Current Month)	5.32%	5.32%	5.29%	5.33%	5.30%	5.30%	5.35%	5.35%	5.35%	5.35%	5.35%	5.35%	
6	Interest Rate (First Business Day of Subsequent Month)	5.32%	5.29%	5.33%	5.30%	5.30%	5.35%	5.35%	5.35%	5.35%	5.35%	5.35%	5.35%	
7	Total of Beginning & Ending Interest Rates (Lines 5 + 6)	10.64%	10.61%	10.62%	10.63%	10.60%	10.65%	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%	
8	Average Interest Rate (Line 7 x 1/2)	5.320%	5.305%	5.310%	5.315%	5.300%	5.325%	5.350%	5.350%	5.350%	5.350%	5.350%	5.350%	
9	Monthly Average Interest Rate (Line 8 x 1/12)	0.443%	0.442%	0.443%	0.443%	0.442%	0.444%	0.446%	0.446%	0.446%	0.446%	0.446%	0.446%	
10	Interest Provision for the Month (Line 4 x Line 9)	(\$4,886)	(\$2,828)	\$33	\$2,621	\$4,760	\$5,287	\$5,970	\$8,104	\$10,534	\$12,951	\$14,319	\$15,087	71,952

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2024 - December 2024

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	\$0	\$0	\$0	0%
1a	Distribution Substation Environmental Investigation, Remediation and Pollution Prevention	0	0	0	0%
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	17,409	3,059	14,351	469%
6	Phase II Cooling Water Intake 316(b) - Base	231,260	272,000	(40,740)	-15%
6.a	Phase II Cooling Water Intake 316(b) - Intm	157,442	278,334	(120,892)	-43%
7.2	CAIR/CAMR - Peaking	0	0	0	0%
7.4	CAIR/CAMR Crystal River - Base	0	0	0	0%
7.4	CAIR/CAMR Crystal River - Energy	7,881,705	9,150,355	(1,268,650)	-14%
7.4	CAIR/CAMR Crystal River - A&G	0	0	0	0%
7.4	CAIR/CAMR Crystal River - Conditions of Certification - Energy	0	0	0	0%
7.5	Best Available Retrofit Technology (BART) - Energy	0	0	0	0%
7.6	National Emission Standards for Hazardous Air Pollutants (NESHAP) - Base	21,246	40,000	(18,754)	-47%
8	Arsenic Groundwater Standard - Base	23,932	39,904	(15,972)	-40%
9	Sea Turtle - Coastal Street Lighting - Distrib	0	0	0	0%
11	Modular Cooling Towers - Base	0	0	0	0%
12	Greenhouse Gas Inventory and Reporting - Energy	0	0	0	0%
13	Mercury Total Daily Maximum Loads Monitoring - Energy	0	0	0	0%
14	Hazardous Air Pollutants (HAPs) ICR Program - Energy	0	0	0	0%
15	Effluent Limitation Guidelines ICR Program - Energy	0	0	0	0%
15.1	Effluent Limitation Guidelines Program CRN - Energy	0	0	0	0%
16	National Pollutant Discharge Elimination System (NPDES) - Energy	64,576	36,050	28,526	79%
17	Mercury & Air Toxic Standards (MATS) CR4 & CR5 - Energy	232,704	200,000	32,704	16%
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	484,825	520,656	(35,831)	-7%
19	Reclaimed Water Interconnection - Energy	0	0	0	0%
20	Lead and Copper Rule - Base	29,789	30,000	(212)	-1%
21	CCC Water Treatment System - Base	0	0	0	0%
2	Total O&M Activities - Recoverable Costs	\$9,144,889	\$10,570,358	(\$1,425,469)	-13%
3	Recoverable Costs Allocated to Energy	8,681,220	9,910,120	(1,228,899)	-12%
4	Recoverable Costs Allocated to Demand	\$463,669	\$660,238	(\$196,569)	-30%

Notes:

Column (1) End of Period Totals on Form 42-5E
Column (2) 2024 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 2024 - December 2024

Form 42-5E

Docket No. 20240007-EI
 Duke Energy Florida
 Witness: G. P. Dean
 Exh. No. __ (GPD-2)
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O&M Activities
(in Dollars)

Line	Description	Actual Jan-24	Actual Feb-24	Actual Mar-24	Actual Apr-24	Actual May-24	Actual Jun-24	Estimated Jul-24	Estimated Aug-24	Estimated Sep-24	Estimated Oct-24	Estimated Nov-24	Estimated Dec-24	End of Period Total
1	O&M Activities - System													
1	Transmission Substation Environmental Investigation, Remediation, and Pollution Prevention	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1a	Distribution Substation Environmental Investigation, Remediation, and Pollution Prevention	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	15,180	453	458	365	304	299	351	17,409
6	Phase II Cooling Water Intake 316(b) - Base	20,933	16,619	7,130	0	22,578	15,459	32,541	20,000	28,000	20,000	28,000	20,000	231,260
6a	Phase II Cooling Water Intake 316(b) - Intm	0	0	0	0	0	0	51,250	25,626	25,625	25,625	25,626	3,690	157,442
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	0	0	0	0	0	0	0	0	0	0	0	0	0
7.4	CAIR/CAMR Crystal River - Energy	637,859	97,935	109,966	280,331	641,406	1,592,842	774,573	909,742	705,295	655,836	781,460	694,460	7,881,705
7.4	CAIR/CAMR Crystal River - A&G	0	0	0	0	0	0	0	0	0	0	0	0	0
7.4	CAIR/CAMR Crystal River - Conditions of Certification - Energy	0	0	0	0	0	0	0	0	0	0	0	0	0
7.5	Best Available Retrofit Technology (BART) - Energy	0	0	0	0	0	0	0	0	0	0	0	0	0
7.6	National Emission Standards for Hazardous Air Pollutants (NESHAP) - Base	0	0	(1,138)	0	0	22,384	0	0	0	0	0	0	21,246
8	Arsenic Groundwater Standard - Base	0	2,553	3,632	1,477	0	10,271	0	1,500	1,500	1,500	1,500	0	23,932
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	0	25,995	(477)	2,048	0	5,126	18,824	210	0	12,850	0	0	64,576
17	Mercury & Air Toxic Standards (MATS) CR4 & CR5 - Energy	0	42,934	35,555	22,799	92,428	38,989	0	0	0	0	0	0	232,704
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	28,811	24,214	49,060	46,074	70,966	39,172	45,088	35,130	32,130	32,130	34,130	47,919	484,825
19	Reclaimed Water Interconnection - Energy	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Lead and Copper Rule - Base	0	0	0	1,409	1,380	1,314	8,686	5,000	5,000	5,000	2,000	0	29,789
21	CCC Water Treatment System - Base	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Total O&M Activities - Recoverable Costs	\$687,603	\$210,249	\$203,729	\$354,138	\$828,758	\$1,740,737	\$931,415	\$997,665	\$797,916	\$753,245	\$873,015	\$766,420	\$9,144,889
3	Recoverable Costs Allocated to Energy	666,670	191,077	194,105	351,252	804,801	1,691,309	838,938	945,539	737,791	701,120	815,889	742,730	8,681,220
4	Recoverable Costs Allocated to Demand - Transm	0	0	0	0	0	0	0	0	0	0	0	0	0
	Recoverable Costs Allocated to Demand - Distrib	0	0	0	0	0	0	0	0	0	0	0	0	0
	Recoverable Costs Allocated to Demand - Prod-Base	20,933	19,172	9,624	2,885	23,958	49,428	41,227	26,500	34,500	26,500	31,500	20,000	306,227
	Recoverable Costs Allocated to Demand - Prod-Intm	0	0	0	0	0	0	51,250	25,626	25,625	25,625	25,626	3,690	157,442
	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	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Retail Energy Jurisdictional Factor	0.97480	0.97330	0.98320	0.95370	0.92030	0.94210	0.93398	0.93894	0.94796	0.96858	0.97197	0.95630	
6	Retail Transmission Demand Jurisdictional Factor	0.72042	0.72042	0.72042	0.72042	0.72042	0.72042	0.72042	0.72042	0.72042	0.72042	0.72042	0.72042	
	Retail Distribution Demand Jurisdictional Factor	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	
	Retail Production Demand Jurisdictional Factor - Base	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	
	Retail Production Demand Jurisdictional Factor - Intm	0.92637	0.92637	0.92637	0.92637	0.92637	0.92637	0.92637	0.92637	0.92637	0.92637	0.92637	0.92637	
	Retail Production Demand Jurisdictional Factor - Peaking	0.95110	0.95110	0.95110	0.95110	0.95110	0.95110	0.95110	0.95110	0.95110	0.95110	0.95110	0.95110	
	Retail Production Demand Jurisdictional Factor - A&G	0.96779	0.96779	0.96779	0.96779	0.96779	0.96779	0.96779	0.96779	0.96779	0.96779	0.96779	0.96779	
7	Jurisdictional Energy Recoverable Costs (A)	649,870	185,975	190,844	334,989	740,658	1,593,382	783,551	887,805	699,396	679,092	793,021	710,271	8,248,854
8	Jurisdictional Demand Recoverable Costs - Transm (B)	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jurisdictional Demand Recoverable Costs - Distrib (B)	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jurisdictional Demand Recoverable Costs - Prod-Base (B)	20,389	18,674	9,374	2,810	23,335	48,144	40,156	25,812	33,604	25,812	30,682	19,481	298,273
	Jurisdictional Demand Recoverable Costs - Prod-Intm (B)	0	0	0	0	0	0	47,477	23,739	23,738	23,738	23,739	3,418	145,849
	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)	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total Jurisdictional Recoverable Costs - O&M Activities (Lines 7 + 8)	\$670,259	\$204,649	\$200,218	\$337,799	\$763,993	\$1,641,526	\$871,184	\$937,356	\$756,738	\$728,642	\$847,442	\$733,170	\$8,692,976

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 2024 - December 2024

Form 42-6E

Docket No. 20240007-EI
Duke Energy Florida
Witness: G. P. Dean
Exh. No. ___ (GPD-2)
Page 7 of 20

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/Anclole Pipeline	\$0	\$0	\$0	0%
4.x	Above Ground Tank Secondary Containment	0	0	0	0%
5	SO2/NOx Emissions Allowances	257,999	258,123	(124)	0%
6	Phase II Cooling Water Intake 316(b)	1,502,768	1,535,564	(32,796)	-2%
7.x	CAIR/CAMR	493,813	425,093	68,720	16%
9	Sea Turtle - Coastal Street Lighting	0	0	0	0%
10.x	Underground Storage Tanks	0	0	0	0%
11	Modular Cooling Towers	0	0	0	0%
11.1	Crystal River Thermal Discharge Compliance Project	0	0	0	0%
15.1	Effluent Limitation Guidelines CRN (ELG)	306,092	305,893	199	0%
16	National Pollutant Discharge Elimination System (NPDES)	1,194,135	1,207,590	(13,455)	-1%
17x	Mercury & Air Toxics Standards (MATS)	403,308	403,058	250	0%
18	Coal Combustion Residual (CCR) Rule	514,472	514,136	336	0%
19	Reclaimed Water Interconnection - Peaking	5,616	8,993	(3,377)	-38%
20	Lead and Copper Rule - Base	0	0	0	0%
21	CCC Water Treatment System - Base	46,905	0	46,905	100%
2	Total Capital Investment Activities - Recoverable Costs	\$4,725,108	\$4,658,450	\$66,658	1%
3	Recoverable Costs Allocated to Energy	\$1,155,120	\$1,086,274	\$68,846	6%
4	Recoverable Costs Allocated to Demand	\$3,569,988	\$3,572,176	(\$2,188)	0%

Notes:

Column (1) End of Period Totals on Form 42-7E
Column (2) 2024 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 2024 - December 2024

Form 42-7E

Docket No. 20240007-EI
Duke Energy Florida
Witness: G. P. Dean
Exh. No. __ (GPD-2)
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Capital Investment Projects-Recoverable Costs
(in Dollars)

Line	Description	Actual Jan-24	Actual Feb-24	Actual Mar-24	Actual Apr-24	Actual May-24	Actual Jun-24	Estimated Jul-24	Estimated Aug-24	Estimated Sep-24	Estimated Oct-24	Estimated Nov-24	Estimated Dec-24	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	0	0	0	0	0	0	0	0	0	0	0	0	0
4.2	Above Ground Tank Secondary Containment - Base	0	0	0	0	0	0	0	0	0	0	0	0	0
4.3	Above Ground Tank Secondary Containment - Intermediate	0	0	0	0	0	0	0	0	0	0	0	0	0
5	SO2/NOX Emissions Allowances - Energy	21,559	21,559	21,559	21,559	21,559	21,508	21,456	21,453	21,450	21,448	21,445	21,444	257,999
6	Phase II Cooling Water Intake 316(b) - Base	125,006	124,721	124,436	124,151	123,866	123,581	123,296	123,011	122,726	122,441	122,156	121,872	1,481,263
6.1	Phase II Cooling Water Intake 316(b) - Base - Bartow	759	974	1,172	1,195	1,206	1,234	1,436	1,819	2,222	2,626	3,129	3,733	21,505
6.2	Phase II Cooling Water Intake 316(b) - Intermediate - Anclote	0	0	0	0	0	0	0	0	0	0	0	0	0
7.1	CAIR/CAMR Anclote- Intermediate	0	0	0	0	0	0	0	0	0	0	0	0	0
7.2	CAIR/CAMR - Peaking	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
7.4	CAIR/CAMR Crystal River AFUDC - Energy	41,152	40,933	40,957	40,918	40,958	41,566	41,634	41,139	41,139	41,139	41,139	41,139	493,813
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	0	0	0	0	0	0	0	0	0	0	0	0	0
10.1	Underground Storage Tanks - Base	0	0	0	0	0	0	0	0	0	0	0	0	0
10.2	Underground Storage Tanks - Intermediate	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
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	25,907	25,835	25,762	25,689	25,617	25,544	25,472	25,399	25,326	25,254	25,180	25,107	306,092
16	National Pollutant Discharge Elimination System (NPDES) - Intermediate	100,792	100,559	100,326	100,094	99,861	99,627	99,394	99,162	98,929	98,696	98,464	98,231	1,194,135
17	Mercury & Air Toxic Standards (MATS) CR4 & CR5 - Energy	34,174	34,071	33,968	33,865	33,763	33,660	33,558	33,455	33,353	33,250	33,147	33,044	403,308
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 - Base	43,534	43,414	43,293	43,173	43,053	42,933	42,812	42,692	42,572	42,452	42,332	42,212	514,472
19	Reclaimed Water Interconnection - Peaking	0	0	0	0	131	261	298	506	852	1,104	1,212	1,252	5,616
20	Lead and Copper Rule - Base	0	0	0	0	0	0	0	0	0	0	0	0	0
21	CCC Water Treatment System - Base	0	0	0	17	99	341	1,144	3,960	7,622	10,206	11,533	11,983	46,905
2	Total Investment Projects - Recoverable Costs	\$392,883	\$392,066	\$391,473	\$390,661	\$390,113	\$390,255	\$390,500	\$392,596	\$396,191	\$398,616	\$399,737	\$400,017	\$4,725,108
3	Recoverable Costs Allocated to Energy	96,885	96,563	96,484	96,342	96,280	96,734	96,648	96,047	95,942	95,837	95,731	95,627	1,155,120
	Recoverable Costs Allocated to Distribution Demand	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Recoverable Costs Allocated to Demand - Production - Base	195,206	194,944	194,663	194,225	193,841	193,633	194,160	196,881	200,468	202,979	204,330	204,907	2,370,237
	Recoverable Costs Allocated to Demand - Production - Intermediate	100,792	100,559	100,326	100,094	99,861	99,627	99,394	99,162	98,929	98,696	98,464	98,231	1,194,135
	Recoverable Costs Allocated to Demand - Production - Peaking	0	0	0	0	131	261	298	506	852	1,104	1,212	1,252	5,616
5	Retail Energy Jurisdictional Factor	0.97480	0.97330	0.98320	0.95370	0.92030	0.94210	0.93398	0.93894	0.94796	0.96858	0.97197	0.95630	
	Retail Distribution Demand Jurisdictional Factor	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	
6	Retail Demand Jurisdictional Factor - Production - Base	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	
	Retail Demand Jurisdictional Factor - Production - Intermediate	0.92637	0.92637	0.92637	0.92637	0.92637	0.92637	0.92637	0.92637	0.92637	0.92637	0.92637	0.92637	
	Retail Demand Jurisdictional Factor - Production - Peaking	0.95110	0.95110	0.95110	0.95110	0.95110	0.95110	0.95110	0.95110	0.95110	0.95110	0.95110	0.95110	
7	Jurisdictional Energy Recoverable Costs (B)	94,444	93,985	94,864	91,881	88,606	91,133	90,267	90,182	90,949	92,826	93,048	91,448	1,103,633
	Jurisdictional Demand Recoverable Costs - Distribution (B)	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Jurisdictional Demand Recoverable Costs - Production - Base (C)	190,137	189,881	189,608	189,181	188,807	188,604	189,118	191,768	195,262	197,708	199,024	199,586	2,308,682
	Jurisdictional Demand Recoverable Costs - Production - Intermediate (C)	93,371	93,155	92,939	92,724	92,508	92,292	92,076	91,861	91,645	91,429	91,214	90,998	1,106,214
	Jurisdictional Demand Recoverable Costs - Production - Peaking (C)	0	0	0	0	125	248	283	481	810	1,050	1,153	1,191	5,341
9	Total Jurisdictional Recoverable Costs - Investment Projects (Lines 7 + 8)	\$377,951	\$377,021	\$377,410	\$373,787	\$370,046	\$372,278	\$371,744	\$374,293	\$378,667	\$383,013	\$384,439	\$383,223	\$4,523,870

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 2024 - December 2024

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

Line	Description	Beginning of Period Amount	Actual Jan-24	Actual Feb-24	Actual Mar-24	Actual Apr-24	Actual May-24	Actual Jun-24	Estimated Jul-24	Estimated Aug-24	Estimated Sep-24	Estimated Oct-24	Estimated Nov-24	Estimated Dec-24	End of Period Total	
1	Working Capital Dr (Cr)															
	a. 0158150 SO ₂ Emission Allowance Inventory	\$3,210,153	\$3,210,153	\$3,210,153	\$3,210,153	\$3,210,153	\$3,210,153	\$3,194,974	\$3,194,521	\$3,194,064	\$3,193,698	\$3,193,394	\$3,193,095	\$3,192,744	\$3,192,744	
	b. 0254020 Auctioned SO ₂ Allowance	\$0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	c. 0158170 NOx Emission Allowance Inventory	\$0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other (A)	\$0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	Total Working Capital	\$3,210,153	\$3,210,153	\$3,210,153	\$3,210,153	\$3,210,153	\$3,210,153	\$3,194,974	\$3,194,521	\$3,194,064	\$3,193,698	\$3,193,394	\$3,193,095	\$3,192,744	\$3,192,744	
3	Average Net Investment		\$3,210,153	\$3,210,153	\$3,210,153	\$3,210,153	\$3,210,153	\$3,202,564	\$3,194,747	\$3,194,292	\$3,193,881	\$3,193,546	\$3,193,245	\$3,192,920		
4	Return on Average Net Working Capital Balance (B)															
	a. Debt Component		1.89%	5,064	5,064	5,064	5,064	5,064	5,052	5,040	5,039	5,038	5,038	5,037	5,037	60,601
	b. Equity Component Grossed Up For Taxes		6.17%	16,495	16,495	16,495	16,495	16,495	16,456	16,416	16,414	16,412	16,410	16,408	16,407	197,398
5	Total Return Component (C)			\$21,559	\$21,559	\$21,559	\$21,559	\$21,559	\$21,508	\$21,456	\$21,453	\$21,450	\$21,448	\$21,445	\$21,444	257,999
6	Expense Dr (Cr)															
	a. 0509030 SO ₂ Allowance Expense		\$0	\$0	\$0	\$0	\$0	\$15,180	\$453	\$458	\$365	\$304	\$299	\$351	17,409	
	b. 0407426 Amortization Expense		0	0	0	0	0	0	0	0	0	0	0	0	0	
	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)		0	0	0	0	0	15,180	453	458	365	304	299	351	17,409	
8	Total System Recoverable Expenses (Lines 5 + 7)		\$21,559	\$21,559	\$21,559	\$21,559	\$21,559	\$36,688	\$21,909	\$21,911	\$21,815	\$21,752	\$21,744	\$21,795	275,408	
	a. Recoverable Costs Allocated to Energy		21,559	21,559	21,559	21,559	21,559	36,688	21,909	21,911	21,815	21,752	21,744	21,795	275,408	
	b. Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0	
9	Energy Jurisdictional Factor		0.97480	0.97330	0.98320	0.95370	0.92030	0.94210	0.93398	0.93894	0.94796	0.96858	0.97197	0.95630		
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)		\$21,016	\$20,983	\$21,197	\$20,561	\$19,841	\$34,563	\$20,462	\$20,573	\$20,680	\$21,069	\$21,134	\$20,843	262,922	
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)		\$ 21,016	\$ 20,983	\$ 21,197	\$ 20,561	\$ 19,841	\$ 34,563	\$ 20,462	\$ 20,573	\$ 20,680	\$ 21,069	\$ 21,134	\$ 20,843	\$ 262,922	

Notes:

- (A) N/A
- (B) Line 3 x 8.06% x 1/12. Based on ROE of 10.10%, weighted cost of equity component of capital structure of 4.55% and statutory tax rate of 25.345% (inc tax multiplier = 1.3394950).
- (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 2024 - December 2024

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-24	Actual Feb-24	Actual Mar-24	Actual Apr-24	Actual May-24	Actual Jun-24	Estimated Jul-24	Estimated Aug-24	Estimated Sep-24	Estimated Oct-24	Estimated Nov-24	Estimated Dec-24	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	\$13,196,239	13,196,239	13,196,239	13,196,239	13,196,239	13,196,239	13,196,239	13,196,239	13,196,239	13,196,239	13,196,239	13,196,239	13,196,239	13,196,239
3	Less: Accumulated Depreciation	(\$881,683)	(924,111)	(966,539)	(1,008,967)	(1,051,395)	(1,093,823)	(1,136,251)	(1,178,679)	(1,221,107)	(1,263,535)	(1,305,963)	(1,348,391)	(1,390,819)	
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)	\$12,314,556	\$12,272,128	\$12,229,700	\$12,187,272	\$12,144,844	\$12,102,416	\$12,059,988	\$12,017,560	\$11,975,132	\$11,932,704	\$11,890,276	\$11,847,848	\$11,805,420	
6	Average Net Investment		\$12,293,342	\$12,250,914	\$12,208,486	\$12,166,058	\$12,123,630	\$12,081,202	\$12,038,774	\$11,996,346	\$11,953,918	\$11,911,490	\$11,869,062	\$11,826,634	
7	Return on Average Net Investment (B)														
	a. Debt Component	1.89%	19,393	19,326	19,259	19,192	19,125	19,058	18,991	18,924	18,857	18,790	18,723	18,657	228,295
	b. Equity Component Grossed Up For Taxes	6.17%	63,169	62,951	62,733	62,515	62,297	62,079	61,861	61,643	61,425	61,207	60,989	60,771	743,640
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation (C)	3.8582%	42,428	42,428	42,428	42,428	42,428	42,428	42,428	42,428	42,428	42,428	42,428	42,428	509,136
	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)	0.000014	16	16	16	16	16	16	16	16	16	16	16	16	192
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$125,006	\$124,721	\$124,436	\$124,151	\$123,866	\$123,581	\$123,296	\$123,011	\$122,726	\$122,441	\$122,156	\$121,872	1,481,263
	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		\$125,006	\$124,721	\$124,436	\$124,151	\$123,866	\$123,581	\$123,296	\$123,011	\$122,726	\$122,441	\$122,156	\$121,872	1,481,263
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)		0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	
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)		121,760	121,482	121,204	120,927	120,649	120,372	120,094	119,816	119,539	119,261	118,984	118,707	1,442,795
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$121,760	\$121,482	\$121,204	\$120,927	\$120,649	\$120,372	\$120,094	\$119,816	\$119,539	\$119,261	\$118,984	\$118,707	\$1,442,795

Notes:

- (A) N/A
- (B) Line 6 x 8.06% x 1/12. Based on ROE of 10.10%, weighted cost of equity component of capital structure of 4.55% and statutory tax rate of 25.345% (inc tax multiplier = 1.3394950).
- (C) Line 2 x rate x 1/12. Depreciation rate based on approved rates in Order PSC-2021-0202-AS-EI.
- (D) Line 2 x rate x 1/12. Based on 2023 Effective Tax Rate on original cost.
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2024 - December 2024

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Docket No. 20240007-EI
Duke Energy Florida
Witness: G. P. Dean
Exh. No. __ (GPD-2)
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Return on Capital Investments, Depreciation and Taxes
For Project: Phase II Cooling Water Intake 316(b) - Base - Bartow (Project 6.1)
(in Dollars)

Line	Description	Beginning of Period Amount	Actual Jan-24	Actual Feb-24	Actual Mar-24	Actual Apr-24	Actual May-24	Actual Jun-24	Estimated Jul-24	Estimated Aug-24	Estimated Sep-24	Estimated Oct-24	Estimated Nov-24	Estimated Dec-24	End of Period Total
1	Investments														
	a. Expenditures/Additions		\$10,380	\$53,390	\$5,707	\$999	\$2,517	\$5,815	\$54,185	\$60,000	\$60,000	\$60,000	\$90,000	\$90,000	\$492,993
	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	107,892	118,272	171,662	177,369	178,368	180,885	186,700	240,885	300,885	360,885	420,885	510,885	600,885	
5	Net Investment (Lines 2 + 3 + 4)	\$107,892	\$118,272	\$171,662	\$177,369	\$178,368	\$180,885	\$186,700	\$240,885	\$300,885	\$360,885	\$420,885	\$510,885	\$600,885	
6	Average Net Investment		\$113,082	\$144,967	\$174,515	\$177,869	\$179,626	\$183,792	\$213,792	\$270,885	\$330,885	\$390,885	\$465,885	\$555,885	
7	Return on Average Net Investment (B)														
	a. Debt Component	1.89%	178	229	275	281	283	290	337	427	522	617	735	877	5,051
	b. Equity Component Grossed Up For Taxes	6.17%	581	745	897	914	923	944	1,099	1,392	1,700	2,009	2,394	2,856	16,454
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation (C)	3.8582%	0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (D)	0.000014	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)		\$759	\$974	\$1,172	\$1,195	\$1,206	\$1,234	\$1,436	\$1,819	\$2,222	\$2,626	\$3,129	\$3,733	21,505
	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		\$759	\$974	\$1,172	\$1,195	\$1,206	\$1,234	\$1,436	\$1,819	\$2,222	\$2,626	\$3,129	\$3,733	21,505
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)		0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	
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)		739	949	1,142	1,164	1,175	1,202	1,399	1,772	2,164	2,558	3,048	3,636	20,947
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$739	\$949	\$1,142	\$1,164	\$1,175	\$1,202	\$1,399	\$1,772	\$2,164	\$2,558	\$3,048	\$3,636	\$20,947

Notes:

- (A) N/A
- (B) Line 6 x 8.06% x 1/12. Based on ROE of 10.10%, weighted cost of equity component of capital structure of 4.55% and statutory tax rate of 25.345% (inc tax multiplier = 1.3394950).
- (C) Line 2 x rate x 1/12. Depreciation rate based on approved rates in Order PSC-2021-0202-AS-EI.
- (D) Line 2 x rate x 1/12. Based on 2023 Effective Tax Rate on original cost.
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2024 - December 2024

Return on Capital Investments, Depreciation and Taxes
For Project: Phase II Cooling Water Intake 316(b) - Intermediate - Anclote (Project 6.2)
(in Dollars)

Line	Description	Beginning of Period Amount	Actual Jan-24	Actual Feb-24	Actual Mar-24	Actual Apr-24	Actual May-24	Actual Jun-24	Estimated Jul-24	Estimated Aug-24	Estimated Sep-24	Estimated Oct-24	Estimated Nov-24	Estimated Dec-24	End of Period Total
1	Investments														
	a. Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	b. Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Other (A)		0	0	0	0	0	0	0	0	0	0	0	0	0
2	Plant-in-Service/Depreciation Base	\$0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Less: Accumulated Depreciation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	Average Net Investment		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7	Return on Average Net Investment (B)														
	a. Debt Component		0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Equity Component Grossed Up For Taxes		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation (C)		0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Amortization		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	0	0	0	0	0	0	0	0	0	0	0	0
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0
	a. Recoverable Costs Allocated to Energy		0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	0
10	Energy Jurisdictional Factor		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)		0.92637	0.92637	0.92637	0.92637	0.92637	0.92637	0.92637	0.92637	0.92637	0.92637	0.92637	0.92637	
12	Retail Energy-Related Recoverable Costs (E)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Retail Demand-Related Recoverable Costs (F)		0	0	0	0	0	0	0	0	0	0	0	0	0
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Notes:

- (A) N/A
- (B) Line 6 x 8.06% x 1/12. Based on ROE of 10.10%, weighted cost of equity component of capital structure of 4.55% and statutory tax rate of 25.345% (inc tax multiplier = 1.3394950).
- (C) Line 2 x rate x 1/12. Depreciation rate based on approved rates in Order PSC-2021-0202-AS-EI.
- (D) Line 2 x rate x 1/12. Based on 2023 Effective Tax Rate on original cost.
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2024 - December 2024

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Docket No. 20240007-EI
Duke Energy Florida
Witness: G. P. Dean
Exh. No. __ (GPD-2)
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Schedule of Amortization and Return
For Project: CAIR/CAMR - Energy (Project 7.4 - Reagents and By-Products)
(in Dollars)

Line	Description	Beginning of Period Amount	Actual Jan-24	Actual Feb-24	Actual Mar-24	Actual Apr-24	Actual May-24	Actual Jun-24	Estimated Jul-24	Estimated Aug-24	Estimated Sep-24	Estimated Oct-24	Estimated Nov-24	Estimated Dec-24	End of Period Total
1	Working Capital Dr (Cr)														
	a. 0154401 Ammonia Inventory	\$4,439,007	\$4,468,193	\$4,520,398	\$4,520,804	\$4,561,532	\$4,578,363	\$4,651,856	\$4,550,191	\$4,550,191	\$4,550,191	\$4,550,191	\$4,550,191	\$4,550,191	\$4,550,191
	b. 0154200 Limestone Inventory	\$1,729,661	1,618,196	1,582,959	1,572,918	1,530,048	1,527,151	1,621,022	1,575,382	1,575,382	1,575,382	1,575,382	1,575,382	1,575,382	1,575,382
2	Total Working Capital	\$6,168,668	\$6,086,389	\$6,103,357	\$6,093,722	\$6,091,580	\$6,105,514	\$6,272,877	\$6,125,573	\$6,125,573	\$6,125,573	\$6,125,573	\$6,125,573	\$6,125,573	6,125,573
3	Average Net Investment		6,127,528	6,094,873	6,098,539	6,092,651	6,098,547	6,189,196	6,199,225	6,125,573	6,125,573	6,125,573	6,125,573	6,125,573	
4	Return on Average Net Working Capital Balance (A)														
	a. Debt Component 1.89%		9,666	9,615	9,620	9,611	9,620	9,763	9,779	9,663	9,663	9,663	9,663	9,663	\$115,991
	b. Equity Component Grossed Up For Taxes 6.17%		31,486	31,318	31,337	31,307	31,337	31,803	31,854	31,476	31,476	31,476	31,476	31,476	377,822
5	Total Return Component (B)		41,152	40,933	40,957	40,918	40,958	41,566	41,634	41,139	41,139	41,139	41,139	41,139	493,813
6	Expense Dr (Cr)														
	a. 0502030 Ammonia Expense		165,032	86,172	61,107	108,220	149,059	277,661	203,000	203,000	203,000	203,000	203,000	203,000	2,065,251
	b. 0502040 Limestone Expense		360,921	149,447	190,120	287,674	334,300	603,964	630,426	638,486	510,278	425,219	417,621	491,316	5,039,771
	c. 0502050 Dibasic Acid Expense		0	0	0	0	0	0	0	0	0	0	0	0	
	d. 0502070 Gypsum Disposal/Sale		(129,289)	(249,185)	(237,328)	(297,108)	(175,726)	350,818	(263,853)	(266,744)	(212,983)	(177,383)	(174,160)	(204,856)	(2,037,800)
	e. 0502040 Hydrated Lime Expense		241,195	106,578	96,067	181,546	204,725	360,400	205,000	205,000	205,000	205,000	205,000	205,000	2,420,511
	f. 0502300 Caustic Expense		0	4,922	0	0	129,049	0	0	130,000	0	0	130,000	0	393,971
7	Net Expense (C)		637,859	97,935	109,966	280,331	641,406	1,592,842	774,573	909,742	705,295	655,836	781,460	694,460	7,881,705
8	Total System Recoverable Expenses (Lines 5 + 7)		\$679,011	\$138,868	\$150,923	\$321,249	\$682,364	\$1,634,409	\$816,207	\$950,881	\$746,434	\$696,975	\$822,599	\$735,599	8,375,518
	a. Recoverable Costs Allocated to Energy		679,011	138,868	150,923	321,249	682,364	1,634,409	816,207	950,881	746,434	696,975	822,599	735,599	8,375,518
	b. Recoverable Costs Allocated to Demand		0	0	0	0	0	0	0	0	0	0	0	0	
9	Energy Jurisdictional Factor		0.97480	0.97330	0.98320	0.95370	0.92030	0.94210	0.93398	0.93894	0.94796	0.96858	0.97197	0.95630	
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)		661,900	135,160	148,388	306,376	627,979	1,539,776	762,321	892,820	707,590	675,077	799,544	703,451	7,960,381
12	Retail Demand-Related Recoverable Costs (E)		0	0	0	0	0	0	0	0	0	0	0	0	
13	Total Jurisdictional Recoverable Costs (Lines 11 + 12)		\$ 661,900	\$ 135,160	\$ 148,388	\$ 306,376	\$ 627,979	\$ 1,539,776	\$ 762,321	\$ 892,820	\$ 707,590	\$ 675,077	\$ 799,544	\$ 703,451	\$ 7,960,381

Notes:

- (A) Line 3 x 8.06% x 1/12. Based on ROE of 10.10%, weighted cost of equity component of capital structure of 4.55% and statutory tax rate of 25.345% (inc tax multiplier = 1.3394950).
- (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 2024 - December 2024

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-24	Actual Feb-24	Actual Mar-24	Actual Apr-24	Actual May-24	Actual Jun-24	Estimated Jul-24	Estimated Aug-24	Estimated Sep-24	Estimated Oct-24	Estimated Nov-24	Estimated Dec-24	End of Period Total
1	Investments														
	a. Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	b. Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Other (A)		0	0	0	0	0	0	0	0	0	0	0	0	0
2	Plant-in-Service/Depreciation Base	\$2,612,979	2,612,979	2,612,979	2,612,979	2,612,979	2,612,979	2,612,979	2,612,979	2,612,979	2,612,979	2,612,979	2,612,979	2,612,979	
3	Less: Accumulated Depreciation	(362,087)	(372,911)	(383,735)	(394,559)	(405,383)	(416,207)	(427,031)	(437,855)	(448,679)	(459,503)	(470,327)	(481,151)	(491,975)	
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)	\$2,250,892	\$2,240,068	\$2,229,244	\$2,218,420	\$2,207,596	\$2,196,772	\$2,185,948	\$2,175,124	\$2,164,300	\$2,153,476	\$2,142,652	\$2,131,828	\$2,121,004	
6	Average Net Investment		\$2,245,480	\$2,234,656	\$2,223,832	\$2,213,008	\$2,202,184	\$2,191,360	\$2,180,536	\$2,169,712	\$2,158,888	\$2,148,064	\$2,137,240	\$2,126,416	
7	Return on Average Net Investment (B)														
	a. Debt Component	1.89%	3,542	3,525	3,508	3,491	3,474	3,457	3,440	3,423	3,406	3,389	3,371	3,354	41,380
	b. Equity Component Grossed Up For Taxes	6.17%	11,538	11,483	11,427	11,371	11,316	11,260	11,205	11,149	11,093	11,038	10,982	10,926	134,788
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation (C)	4.9707%	10,824	10,824	10,824	10,824	10,824	10,824	10,824	10,824	10,824	10,824	10,824	10,824	129,888
	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)	0.000014	3	3	3	3	3	3	3	3	3	3	3	3	36
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$25,907	\$25,835	\$25,762	\$25,689	\$25,617	\$25,544	\$25,472	\$25,399	\$25,326	\$25,254	\$25,180	\$25,107	306,092
	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		\$25,907	\$25,835	\$25,762	\$25,689	\$25,617	\$25,544	\$25,472	\$25,399	\$25,326	\$25,254	\$25,180	\$25,107	306,092
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)		0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	
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)		\$25,234	\$25,164	\$25,093	\$25,022	\$24,952	\$24,881	\$24,810	\$24,739	\$24,668	\$24,598	\$24,526	\$24,455	298,142
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$25,234	\$25,164	\$25,093	\$25,022	\$24,952	\$24,881	\$24,810	\$24,739	\$24,668	\$24,598	\$24,526	\$24,455	\$298,142

Notes:

- (A) N/A
- (B) Line 6 x 8.06% x 1/12. Based on ROE of 10.10%, weighted cost of equity component of capital structure of 4.55% and statutory tax rate of 25.345% (inc tax multiplier = 1.3394950).
- (C) Line 2 x rate x 1/12. Depreciation rate based on approved rates in Order PSC-2021-0202-AS-EI.
- (D) Line 2 x rate x 1/12. Based on 2023 Effective Tax Rate on original cost.
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2024 - December 2024

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Docket No. 20240007-EI
Duke Energy Florida
Witness: G. P. Dean
Exh. No. __ (GPD-2)
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Return on Capital Investments, Depreciation and Taxes
For Project: NPDES - Intermediate (Project 16)
(in Dollars)

Line	Description	Beginning of Period Amount	Actual Jan-24	Actual Feb-24	Actual Mar-24	Actual Apr-24	Actual May-24	Actual Jun-24	Estimated Jul-24	Estimated Aug-24	Estimated Sep-24	Estimated Oct-24	Estimated Nov-24	Estimated Dec-24	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	(3,832,710)	(3,867,377)	(3,902,044)	(3,936,711)	(3,971,378)	(4,006,045)	(4,040,712)	(4,075,379)	(4,110,046)	(4,144,713)	(4,179,380)	(4,214,047)	(4,248,714)	
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Net Investment (Lines 2 + 3 + 4)	\$9,009,160	\$8,974,493	\$8,939,826	\$8,905,159	\$8,870,492	\$8,835,825	\$8,801,158	\$8,766,491	\$8,731,824	\$8,697,157	\$8,662,490	\$8,627,823	\$8,593,156	
6	Average Net Investment		\$8,991,827	\$8,957,160	\$8,922,493	\$8,887,826	\$8,853,159	\$8,818,492	\$8,783,825	\$8,749,158	\$8,714,491	\$8,679,824	\$8,645,157	\$8,610,490	
7	Return on Average Net Investment (B)														
	a. Debt Component	1.89%	14,185	14,130	14,075	14,021	13,966	13,911	13,856	13,802	13,747	13,692	13,638	13,583	166,606
	b. Equity Component Grossed Up For Taxes	6.17%	46,204	46,026	45,848	45,670	45,492	45,313	45,135	44,957	44,779	44,601	44,423	44,245	542,693
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation (C)	3.2394%	34,667	34,667	34,667	34,667	34,667	34,667	34,667	34,667	34,667	34,667	34,667	34,667	416,004
	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)	0.005360	5,736	5,736	5,736	5,736	5,736	5,736	5,736	5,736	5,736	5,736	5,736	5,736	68,832
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$100,792	\$100,559	\$100,326	\$100,094	\$99,861	\$99,627	\$99,394	\$99,162	\$98,929	\$98,696	\$98,464	\$98,231	1,194,135
	a. Recoverable Costs Allocated to Energy		0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand		\$100,792	\$100,559	\$100,326	\$100,094	\$99,861	\$99,627	\$99,394	\$99,162	\$98,929	\$98,696	\$98,464	\$98,231	1,194,135
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)		0.92637	0.92637	0.92637	0.92637	0.92637	0.92637	0.92637	0.92637	0.92637	0.92637	0.92637	0.92637	
12	Retail Energy-Related Recoverable Costs (E)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Retail Demand-Related Recoverable Costs (F)		93,371	93,155	92,939	92,724	92,508	92,292	92,076	91,861	91,645	91,429	91,214	90,998	1,106,214
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$93,371	\$93,155	\$92,939	\$92,724	\$92,508	\$92,292	\$92,076	\$91,861	\$91,645	\$91,429	\$91,214	\$90,998	\$1,106,214

Notes:

- (A) N/A
- (B) Line 6 x 8.06% x 1/12. Based on ROE of 10.10%, weighted cost of equity component of capital structure of 4.55% and statutory tax rate of 25.345% (inc tax multiplier = 1.3394950).
- (C) Line 2 x rate x 1/12. Depreciation rate based on approved rates in Order PSC-2021-0202-AS-EI.
- (D) Line 2 x rate x 1/12. Based on 2023 Effective Tax Rate on original cost.
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2024 - December 2024

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-24	Actual Feb-24	Actual Mar-24	Actual Apr-24	Actual May-24	Actual Jun-24	Estimated Jul-24	Estimated Aug-24	Estimated Sep-24	Estimated Oct-24	Estimated Nov-24	Estimated Dec-24	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	Less: Accumulated Depreciation	(870,786)	(886,072)	(901,358)	(916,644)	(931,930)	(947,216)	(962,502)	(977,788)	(993,074)	(1,008,360)	(1,023,646)	(1,038,932)	(1,054,218)	
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)	\$2,819,401	\$2,804,115	\$2,788,829	\$2,773,543	\$2,758,257	\$2,742,971	\$2,727,685	\$2,712,399	\$2,697,113	\$2,681,827	\$2,666,541	\$2,651,255	\$2,635,969	
6	Average Net Investment		\$2,811,758	\$2,796,472	\$2,781,186	\$2,765,900	\$2,750,614	\$2,735,328	\$2,720,042	\$2,704,756	\$2,689,470	\$2,674,184	\$2,658,898	\$2,643,612	
7	Return on Average Net Investment (B)														
	a. Debt Component	1.89%	4,436	4,411	4,387	4,363	4,339	4,315	4,291	4,267	4,243	4,219	4,194	4,170	51,635
	b. Equity Component Grossed Up For Taxes	6.17%	14,448	14,370	14,291	14,212	14,134	14,055	13,977	13,898	13,820	13,741	13,663	13,584	168,193
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation (C)	4.9707%	15,286	15,286	15,286	15,286	15,286	15,286	15,286	15,286	15,286	15,286	15,286	15,286	183,432
	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)	0.000014	4	4	4	4	4	4	4	4	4	4	4	4	48
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$34,174	\$34,071	\$33,968	\$33,865	\$33,763	\$33,660	\$33,558	\$33,455	\$33,353	\$33,250	\$33,147	\$33,044	403,308
	a. Recoverable Costs Allocated to Energy		34,174	34,071	33,968	33,865	33,763	33,660	33,558	33,455	33,353	33,250	33,147	33,044	403,308
	b. Recoverable Costs Allocated to Demand		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0
10	Energy Jurisdictional Factor		0.97480	0.97330	0.98320	0.95370	0.92030	0.94210	0.93398	0.93894	0.94796	0.96858	0.97197	0.95630	
11	Demand Jurisdictional Factor		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
12	Retail Energy-Related Recoverable Costs (E)		\$33,313	\$33,161	\$33,397	\$32,297	\$31,072	\$31,711	\$31,343	\$31,412	\$31,617	\$32,205	\$32,218	\$31,600	\$385,346
13	Retail Demand-Related Recoverable Costs (F)		0	0	0	0	0	0	0	0	0	0	0	0	0
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$33,313	\$33,161	\$33,397	\$32,297	\$31,072	\$31,711	\$31,343	\$31,412	\$31,617	\$32,205	\$32,218	\$31,600	\$385,346

Notes:

- (A) N/A
- (B) Line 6 x 8.06% x 1/12. Based on ROE of 10.10%, weighted cost of equity component of capital structure of 4.55% and statutory tax rate of 25.345% (inc tax multiplier = 1.3394950).
- (C) Line 2 x rate x 1/12. Depreciation rate based on approved rates in Order PSC-2021-0202-AS-EI.
- (D) Line 2 x rate x 1/12. Based on 2023 Effective Tax Rate on original cost.
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2024 - December 2024

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-24	Actual Feb-24	Actual Mar-24	Actual Apr-24	Actual May-24	Actual Jun-24	Estimated Jul-24	Estimated Aug-24	Estimated Sep-24	Estimated Oct-24	Estimated Nov-24	Estimated Dec-24	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	\$4,321,533	4,321,533	4,321,533	4,321,533	4,321,533	4,321,533	4,321,533	4,321,533	4,321,533	4,321,533	4,321,533	4,321,533	4,321,533	4,321,533
3	Less: Accumulated Depreciation	(496,581)	(514,482)	(532,383)	(550,284)	(568,185)	(586,086)	(603,987)	(621,888)	(639,789)	(657,690)	(675,591)	(693,492)	(711,393)	(711,393)
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)	\$3,824,952	\$3,807,051	\$3,789,150	\$3,771,249	\$3,753,348	\$3,735,447	\$3,717,546	\$3,699,645	\$3,681,744	\$3,663,843	\$3,645,942	\$3,628,041	\$3,610,140	\$3,610,140
6	Average Net Investment		\$3,816,002	\$3,798,101	\$3,780,200	\$3,762,299	\$3,744,398	\$3,726,497	\$3,708,596	\$3,690,695	\$3,672,794	\$3,654,893	\$3,636,992	\$3,619,091	\$3,619,091
7	Return on Average Net Investment (B)														
	a. Debt Component	1.89%	6,020	5,992	5,963	5,935	5,907	5,879	5,850	5,822	5,794	5,766	5,737	5,709	70,374
	b. Equity Component Grossed Up For Taxes	6.17%	19,608	19,516	19,424	19,332	19,240	19,148	19,056	18,964	18,872	18,780	18,689	18,597	229,226
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation (C)	4.9707%	17,901	17,901	17,901	17,901	17,901	17,901	17,901	17,901	17,901	17,901	17,901	17,901	214,812
	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)	0.000014	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)		\$43,534	\$43,414	\$43,293	\$43,173	\$43,053	\$42,933	\$42,812	\$42,692	\$42,572	\$42,452	\$42,332	\$42,212	514,472
	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		43,534	43,414	43,293	43,173	43,053	42,933	42,812	42,692	42,572	42,452	42,332	42,212	514,472
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 (Base)		0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403
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)		42,403	42,287	42,169	42,052	41,935	41,818	41,700	41,583	41,466	41,350	41,233	41,116	501,112
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$42,403	\$42,287	\$42,169	\$42,052	\$41,935	\$41,818	\$41,700	\$41,583	\$41,466	\$41,350	\$41,233	\$41,116	\$501,112

Notes:

- (A) N/A
- (B) Line 6 x 8.06% x 1/12. Based on ROE of 10.10%, weighted cost of equity component of capital structure of 4.55% and statutory tax rate of 25.345% (inc tax multiplier = 1.3394950).
- (C) Line 2 x rate x 1/12. Depreciation rate based on approved rates in Order PSC-2021-0202-AS-EI.
- (D) Line 2 x rate x 1/12. Based on 2023 Effective Tax Rate on original cost.
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2024 - December 2024

Return on Capital Investments, Depreciation and Taxes
For Project: RECLAIMED WATER INTERCONNECTION - Peaking (Project 19)
(in Dollars)

Line	Description	Beginning of Period Amount	Actual Jan-24	Actual Feb-24	Actual Mar-24	Actual Apr-24	Actual May-24	Actual Jun-24	Estimated Jul-24	Estimated Aug-24	Estimated Sep-24	Estimated Oct-24	Estimated Nov-24	Estimated Dec-24	End of Period Total
1	Investments														
	a. Expenditures/Additions		\$0	\$0	\$0	\$0	\$38,913	\$50	\$10,795	\$51,084	\$52,207	\$22,812	\$9,055	\$2,948	\$187,864
	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	0	0	0	0	0	38,913	38,963	49,758	100,842	153,049	175,861	184,916	187,864	
5	Net Investment (Lines 2 + 3 + 4)	\$0	\$0	\$0	\$0	\$0	\$38,913	\$38,963	\$49,758	\$100,842	\$153,049	\$175,861	\$184,916	\$187,864	
6	Average Net Investment		\$0	\$0	\$0	\$0	\$19,456	\$38,938	\$44,360	\$75,300	\$126,945	\$164,455	\$180,388	\$186,390	
7	Return on Average Net Investment (B)														
	a. Debt Component		0	0	0	0	31	61	70	119	200	259	285	294	1,319
	b. Equity Component Grossed Up For Taxes		0	0	0	0	100	200	228	387	652	845	927	958	4,297
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation (C)	1.1188%	0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (D)	0.015193	0	0	0	0	0	0	0	0	0	0	0	0	0
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$0	\$0	\$0	\$0	\$131	\$261	\$298	\$506	\$852	\$1,104	\$1,212	\$1,252	5,616
	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		0	0	0	0	131	261	298	506	852	1,104	1,212	1,252	5,616
10	Energy Jurisdictional Factor		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11	Demand Jurisdictional Factor - Production (Peaking)		0.95110	0.95110	0.95110	0.95110	0.95110	0.95110	0.95110	0.95110	0.95110	0.95110	0.95110	0.95110	
12	Retail Energy-Related Recoverable Costs (E)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Retail Demand-Related Recoverable Costs (F)		0	0	0	0	125	248	283	481	810	1,050	1,153	1,191	5,341
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$0	\$0	\$0	\$0	\$125	\$248	\$283	\$481	\$810	\$1,050	\$1,153	\$1,191	\$5,341

Notes:

- (A) N/A
- (B) Line 6 x 8.06% x 1/12. Based on ROE of 10.10%, weighted cost of equity component of capital structure of 4.55% and statutory tax rate of 25.345% (inc tax multiplier = 1.3394950).
- (C) Line 2 x rate x 1/12. Depreciation rate based on approved rates in Order PSC-2021-0202-AS-EI.
- (D) Line 2 x rate x 1/12. Based on 2023 Effective Tax Rate on original cost.
- (E) Line 9a x Line 10
- (F) Line 9b x Line 11

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2024 - December 2024

Return on Capital Investments, Depreciation and Taxes
For Project: CCC Water Treatment System - Base (Project 21)
(in Dollars)

Line	Description	Beginning of Period Amount	Actual Jan-24	Actual Feb-24	Actual Mar-24	Actual Apr-24	Actual May-24	Actual Jun-24	Estimated Jul-24	Estimated Aug-24	Estimated Sep-24	Estimated Oct-24	Estimated Nov-24	Estimated Dec-24	End of Period Total
1	Investments														
	a. Expenditures/Additions		\$0	\$0	\$0	\$5,201	\$19,324	\$52,573	\$186,413	\$652,230	\$438,273	\$331,273	\$63,773	\$70,273	\$1,819,333
	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	0	0	0	0	5,201	24,525	77,098	263,511	915,741	1,354,014	1,685,287	1,749,060	1,819,333	
5	Net Investment (Lines 2 + 3 + 4)	\$0	\$0	\$0	\$0	\$5,201	\$24,525	\$77,098	\$263,511	\$915,741	\$1,354,014	\$1,685,287	\$1,749,060	\$1,819,333	
6	Average Net Investment		\$0	\$0	\$0	\$2,600	\$14,863	\$50,812	\$170,305	\$589,626	\$1,134,878	\$1,519,651	\$1,717,174	\$1,784,197	
7	Return on Average Net Investment (B)														
	a. Debt Component		0	0	0	4	23	80	269	930	1,790	2,397	2,709	2,815	11,017
	b. Equity Component Grossed Up For Taxes		0	0	0	13	76	261	875	3,030	5,832	7,809	8,824	9,168	35,888
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation (C)	2.6935%	0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (D)	0.000014	0	0	0	0	0	0	0	0	0	0	0	0	0
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$0	\$0	\$0	\$17	\$99	\$341	\$1,144	\$3,960	\$7,622	\$10,206	\$11,533	\$11,983	46,905
	a. Recoverable Costs Allocated to Energy		0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand		0	0	0	17	99	341	1,144	3,960	7,622	10,206	11,533	11,983	46,905
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 (Base)		0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403	0.97403
12	Retail Energy-Related Recoverable Costs (E)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Retail Demand-Related Recoverable Costs (F)		0	0	0	17	96	332	1,114	3,857	7,424	9,941	11,233	11,672	45,686
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$0	\$0	\$0	\$17	\$96	\$332	\$1,114	\$3,857	\$7,424	\$9,941	\$11,233	\$11,672	\$45,686

Notes:

- (A) N/A
- (B) Line 6 x 8.06% x 1/12. Based on ROE of 10.10%, weighted cost of equity component of capital structure of 4.55% and statutory tax rate of 25.345% (inc tax multiplier = 1.3394950).
- (C) Line 2 x rate x 1/12. Depreciation rate based on approved rates in Order PSC-2021-0202-AS-EI.
- (D) Line 2 x rate x 1/12. Based on 2023 Effective Tax Rate on original cost.
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- (F) Line 9b x Line 11

DUKE ENERGY FLORIDA
Environmental Cost Recovery Clause
Calculation of Actual / Estimated Amount
January 2024 - December 2024

Form 42 9E

Docket No. 20240007-EI
Duke Energy Florida
Witness: G. P. Dean
Exh. No. ___ (GPD-2)
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Capital Structure and Cost Rates

	(1)	(2)	(3)	(4)	(5)	(6)
	Jurisdictional Rate Base Adjusted Retail (\$000s)	Cap Ratio	Cost Rate	Weighted Cost	Revenue Requirement Rate	Monthly Revenue Requirement Rate
1 Common Equity	\$ 8,799,435	45.08%	10.10%	4.55%	6.09%	0.5075%
2 Long Term Debt	7,824,944	40.08%	4.63%	1.85%	1.85%	0.1542%
3 Short Term Debt	25,815	0.13%	3.66%	0.00%	0.00%	0.0000%
4 Cust Dep Active	144,579	0.74%	2.61%	0.02%	0.02%	0.0017%
5 Cust Dep Inactive	1,504	0.01%			0.00%	0.0000%
6 Invest Tax Cr	202,784	1.04%	7.50%	0.08%	0.10%	0.0083%
7 Deferred Inc Tax	2,522,257	12.92%			0.00%	0.0000%
8 Total	\$ 19,521,316	100.00%		6.50%	8.06%	0.6717%

	ITC split between Debt and Equity**:	Ratio	Cost Rate	Ratio	Ratio	Deferred Inc Tax	Weighted ITC	After Gross-up
9 Common Equity	8,799,435	53%	10.10%	5.35%	71.1%	0.08%	0.057%	0.076%
10 Preferred Equity	-	0%				0.08%	0.000%	0.000%
11 Long Term Debt	7,824,944	47%	4.63%	2.18%	28.9%	0.08%	0.023%	0.023%
12	16,624,379	100%		7.52%			0.080%	0.099%

Breakdown of Revenue Requirement Rate of Return between Debt and Equity:

13	Total Equity Component (Lines 1 and 9)	6.166%
14	Total Debt Component (Lines 2, 3, 4, and 11)	1.893%
15	Total Revenue Requirement Rate of Return	8.059%

Notes:

Effective Tax Rate: 25.345%

Column:

- (1) Per Order No. PSC-2020-0165-PAA-EU, issued May 20, 2020, approving amended joint motion modifying WACC methodology
- (2) Column (1) / Total Column (1)
- (3) Per Order No. PSC-2020-0165-PAA-EU, issued May 20, 2020, approving amended joint motion modifying WACC methodology and Order PSC-2022-0357-FOF-EI approving return on equity trigger.
Line 6 and Line 12, the cost rate of ITC's is determined under Treasury Regulation section 1.46-6(b)(3)(ii).
- (4) Column (2) x Column (3)
- (5) For equity components: Column (4) / (1-effective income tax rate/100)
- * For debt components: Column (4)
- ** Line 6 is the pre-tax ITC components from Lines 9 and 11
- (6) Column (5) / 12

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

DIRECT TESTIMONY OF

REGINALD ANDERSON

ON BEHALF OF

DUKE ENERGY FLORIDA, LLC

DOCKET NO. 20240007-EI

July 26, 2024

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

2 A. My name is Reginald Anderson. My business address is 299 First Avenue North,
3 St. Petersburg, FL 33701.

4

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

6 A. I am employed by Duke Energy Florida, LLC (“DEF” or the “Company”) as
7 Vice President – Regulated & Renewable Energy Florida.

8

9 **Q. Have you previously filed testimony before this Commission in Docket No.**
10 **20240007-EI?**

11 A. Yes, I provided direct testimony on April 1, 2024.

12

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

15 A. No.

16

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

2 A. The purpose of my testimony is to explain material variances between 2024
3 actual/estimated cost projections and original 2024 cost projections for
4 environmental compliance costs associated with FPSC-approved environmental
5 programs under my responsibility. These programs include the CAIR/CAMR
6 Crystal River (“CR”) Program (Project 7.4), Mercury and Air Toxics Standards
7 (MATS) – Crystal River (CR) 4&5 (Project 17), Mercury and Air Toxics
8 Standards (“MATS”) - Anclote Gas Conversion Project (Project 17.1), and
9 Mercury & Air Toxics Standards (MATS) – CR 1&2 (Project 17.2).

10

11 **Q. Please explain the variance between actual/estimated O&M expenditures**
12 **and the original projections for O&M expenditures for the CAIR/CAMR**
13 **CR-Energy (Reagents) Program (Project 7.4) for the period January 2024**
14 **through December 2024?**

15 A. O&M expenditures for the CAIR/CAMR CR-Energy (Reagents) Program are
16 forecasted to be \$1,268,650 (14%) lower than originally forecasted.

17 This variance is attributable to a forecasted \$15k increase Ammonia expense,
18 \$961k increase in Limestone expense and a \$491k forecasted increase for
19 Hydrated Lime expense, offset by a forecasted decrease of \$609k in Caustic
20 expense and an increase in Gypsum Sales Credits of \$2.1M.

21

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

1 **Toxic Standards (MATS) CR4 & CR5 Program (Project 17) for the period**
2 **January 2024 through December 2024?**

3 A. O&M expenditures for the MATS CR4 & CR5 Program are forecasted to be
4 \$32,704 (16%) higher than originally forecasted.

5 This variance is primarily attributable to some of the forecasted 2023 MATS
6 testing being moved into 2024 due to the timing of the 2023 outage.

7

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

9 A. Yes.

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

DIRECT TESTIMONY OF

ERIC SZKOLNYJ

ON BEHALF OF

DUKE ENERGY FLORIDA, LLC

DOCKET NO. 20240007-EI

July 26, 2024

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

2 A. My name is Eric Szkolnyj. My business address is 525 South Tryon Street, Charlotte, NC
3 28202.

4
5 **Q. By whom are you employed?**

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

9
10 **Q. Have you previously filed testimony before this Commission in Docket No. 20240007-
11 EI?**

12 A. Yes, I provided direct testimony on April 1, 2024.

13
14 **Q. Has your job description, education, background, and professional experience changed
15 since that time?**

16 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 2024 actual/estimated cost projections and original 2024 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 2024 through December 2024.

A. O&M expenditures for CCR are expected to be \$35,831 (7%) lower than projected.

Q. Does this conclude your testimony?

A. Yes.

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

DIRECT TESTIMONY OF

PATRICIA Q. WEST

ON BEHALF OF

DUKE ENERGY FLORIDA, LLC

DOCKET NO. 20240007-EI

July 26, 2024

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

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

4

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

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

8

9 **Q. Have you previously filed testimony before this Commission in Docket No.**
10 **20240007-EI?**

11 A. Yes, I provided direct testimony on April 1, 2024.

12

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

15 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 2024 actual/estimated cost projections and original 2024 cost projections for environmental compliance costs associated with FPSC-approved programs under my responsibility. These programs include the Substation Environmental Investigation, Remediation and Pollution Prevention Program (Project 1 & 1a), Distribution System Environmental Investigation, Remediation and Pollution Prevention Program (Project 2), Pipeline Integrity Management (PIM) (Project 3), Above Ground Secondary Containment (Project 4), Phase II Cooling Water Intake – 316(b) (Project 6), CAIR/CAMR - Peaking (Project 7.2), Best Available Retrofit Technology (BART) (Project 7.5), Arsenic Groundwater Standard (Project 8), Sea Turtle Coastal Street Lighting Program (Project 9), Underground Storage Tanks (Project 10), Modular Cooling Towers (Project 11), Thermal Discharge Permanent Cooling Tower (Project 11.1), Greenhouse Gas Inventory and Reporting (Project 12), Mercury Total Daily Maximum Loads Monitoring (Project 13), Hazardous Air Pollutants Information Collection Request (ICR) Program (Project 14), Effluent Limitation Guidelines Program (Project 15.1), National Pollutant Discharge Elimination System (NPDES) (Project 16), Reclaimed Water Interconnection (Project 19), Lead and Copper Rule (Project 20), and Citrus Combined Cycle Water Treatment System (Project 21) for the period January 2024 through December 2024.

1 **Q. Please explain the variance between actual/estimated O&M project**
2 **expenditures and original projections for Phase II Cooling Water Intake**
3 **316(b) (Projects 6 & 6a) for the period January 2024 through December**
4 **2024.**

5 A. O&M expenditures for Phase II Cooling Water Intake 316(b) are expected to be
6 \$161,632 (29%) lower than originally forecasted.

7 Project 6, 316(b) – Base is forecasted to be \$41k (15%) lower than forecasted.

8 This variance is primarily due to Crystal River Unit 5 being offline for a planned
9 outage, which resulted in reduced cleaning of the intake screens.

10 Project 6a, 316(b) – Intermediate is forecasted to be \$121k (43%) lower than
11 originally forecasted. This variance is primarily due to the Florida Department of
12 Environmental Protection’s (“FDEP”) issuing the NPDES permit later than
13 anticipated. The permit was issued on May 29, 2024.

14

15 **Q. Please explain the variance between actual/estimated Capital project**
16 **expenditures and original projections for Phase II Cooling Water Intake**
17 **316(b) – Base - Bartow, (Project 6.1) for the period January 2024 through**
18 **December 2024.**

19 A. Capital expenditures for Phase II Cooling Water Intake 316(b) Base – Bartow, are
20 forecasted to be \$107,007 (18%) lower than originally forecasted. This variance
21 is primarily due to delays with commencing detailed engineering design as facility
22 staff evaluated where the appropriate organism return flume should be located.
23 Now that this detail has been determined, detailed engineering has begun.

24

1 **Q. Please explain the variance between actual/estimated O&M project**
2 **expenditures and original projections for National Emission Standards for**
3 **Hazardous Air Pollutants (NESHAP) - Base (Project 7.6) for the period**
4 **January 2024 through December 2024.**

5 A. O&M expenditures for National Emission Standards for Hazardous Air Pollutants
6 - Base are forecasted to be \$18,754 (47%) lower than forecasted. This is primarily
7 due to DEF petitioning the FDEP for a reduction in annual emissions testing due
8 to all four units being identical. The agency approved the request and will allow
9 testing of one unit, instead of all four.

10

11 **Q. Please explain the variance between actual/estimated O&M project**
12 **expenditures and original projections for Arsenic Groundwater Standard -**
13 **Base (Project 8) for the period January 2024 through December 2024.**

14 A. O&M expenditures for Arsenic Groundwater Standard - Base are forecasted to be
15 \$15,972 (40%) lower than forecasted. This is primarily due to DEF utilizing
16 internal labor to conduct the annual soil cap inspection, which resulted in a cost
17 savings. Mowing of the cap was reduced because the soil cap area was flooded
18 with stormwater which limited mowing to only the perimeter of the area to allow
19 visual inspection.

20

21 **Q. Please explain the variance between actual/estimated O&M project**
22 **expenditures and original projections for National Pollutant Discharge**
23 **Elimination System (“NPDES”) (Project 16) for the period January 2024**
24 **through December 2024.**

1 A. O&M expenditures for NPDES are expected to be \$28,526 (79%) higher than
2 forecasted. This is primarily due to the new NPDES permit requirement for
3 Crystal River to update the Thermal Variance study. This requirement was
4 included in the October 2023 permit. Due to the timing of receiving the permit,
5 DEF was unable to include estimates for this study in the 2024 Projection filing.

6

7 **Q. Please explain the variance between actual/estimated Capital project**
8 **expenditures and original projections for Reclaimed Water Interconnection,**
9 **(Project 19) for the period January 2024 through December 2024.**

10 A. Capital expenditures for Reclaimed Water Interconnection (Project 19) are
11 forecasted to be \$72,156 (28%) lower than originally forecasted. This variance is
12 primarily due to the project commencing in May rather than January.

13

14 **Q. Please explain the variance between actual/estimated Capital project**
15 **expenditures and original projections for Citrus Combined Cycle Water**
16 **Treatment System (Project 21), for the period January 2024 through**
17 **December 2024.**

18 A. Capital expenditures for CCC Water Treatment System are forecasted to be
19 \$1,819,333 in 2024. This project was not included in DEF's 2024 Projection
20 Filing. DEF notified the Commission of this new project in its April 1, 2024 True-
21 Up Filing.

22

23 **Q. Please provide an update of the Citrus Combined Cycle Water Treatment**
24 **System (Project 21)**

1 A. The objective of the Citrus Combined Cycle Water Treatment project is to
2 develop a cost-effective, engineered solution for a system to reduce or eliminate
3 the manganese loading to the percolation ponds. The new system will remove
4 manganese, iron, and other solids from the backwash stream of the existing iron
5 filters and return the treated backwash to the iron filter raw water inlet. The project
6 is in the final design phase and includes engineering and procurement of major
7 treatment system components.

8

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

11 A. On June 29, 2015, the EPA, and the Army Corps of Engineers (“Corps”)
12 published the final Clean Water Rule that significantly expanded the definition of
13 the Waters of the United States (“WOTUS”). On October 9, 2015, the U.S. Court
14 of Appeals for the Sixth Circuit granted a nationwide stay of the rule effective
15 through the conclusion of the judicial review process. On February 22, 2016 the
16 Sixth Circuit issued an opinion that it has jurisdiction and is the appropriate venue
17 to hear the merits of legal challenges to the rule; however, that decision was
18 contested, and on January 22, 2018, the U.S. Supreme Court issued its decision
19 stating federal district courts, instead of federal appellate courts, have jurisdiction
20 over challenges to the rule defining waters of the United States Consistent with
21 the U.S. Supreme Court decision, the U.S. Court of Appeals for the Sixth Circuit
22 lifted its nationwide stay on February 28, 2018. The stay issued by the North
23 Dakota District Court remains in effect, but only within the thirteen states within
24 the North Dakota District. On February 28, 2017, President Trump signed an

1 executive order laying out a new policy direction for how “Waters of the United
2 States” should be defined and directing the EPA and the Corps to initiate a
3 rulemaking to either rescind or revise the 2015 Clean Water Rule developed by
4 the Obama administration. Subsequently, the EPA Administrator signed a pre-
5 publication notice reflecting the intent to move forward with rulemaking in
6 response to this directive. In addition, the executive order seeks to have the
7 Department of Justice determine the path forward on the Clean Water Rule
8 litigation in light of the new policy direction.

9 On January 31, 2018, the EPA and Corps announced a final rule adding
10 an applicability date to the 2015 rule defining “waters of the United States,”
11 thereby deferring implementation of the 2015 WOTUS Rule until early 2020. This
12 rule has no immediate impact to Duke Energy, and the agencies will continue to
13 apply the pre-existing WOTUS definition in place prior to the 2015 rule until
14 2020.

15 On February 14, 2019, the EPA and Corps published in the Federal
16 Register, the “Revised Definition of ‘Waters of the United States,’” which
17 proposed to narrow the extent of Clean Water Act jurisdiction as compared to the
18 2015 definition adopted by the Obama Administration (Proposed Rule). On
19 January 23, 2020, the EPA and Corps released a pre-publication version of *The*
20 *Navigable Waters Protection Rule: Definition of “Waters of the United States.”*
21 (*NWPR Rule*). On April 21, 2020, the EPA and Corps published the modified
22 definition of the WOTUS in the Federal Register. DEF has reviewed the final rule
23 and determined there are no impacts associated with the 2020 WOTUS Rule with
24 respect to the operation of our existing generation facilities.

1 On January 20, 2021, through Executive Order 13990, the Biden Administration
2 directed the EPA and the Corps to review the NWPR Rule. The US District Court
3 for the District of Arizona vacated and remanded the NWPR Rule on August 30,
4 2021, which vacated and remanded the rule nationwide. The EPA and Corps
5 announced on September 3, 2021 that efforts to implement the NWPR Rule had
6 ceased and on December 7, 2021, the EPA published a proposed rule to officially
7 repeal the NWPR Rule and replace it with the 1986 WOTUS rule. The public
8 comment period for this proposed rule closed on February 7, 2022.

9 On January 18, 2023, the EPA and Corps published in the Federal Register
10 the final rule revising the definition of “Waters of the United States” (the
11 “WOTUS Final Rule”). The WOTUS Final Rule sets forth which surface waters
12 and wetlands are jurisdictional for section 404 wetland permitting, NPDES, and
13 other Clean Water Act (“CWA”) regulatory programs. The WOTUS Final Rule
14 became effective on March 20, 2023. On May 25, 2023, The U.S. Supreme Court
15 (the Court) unanimously rejected the significant nexus test as a basis for
16 determining whether “adjacent” wetlands are considered waters of the United
17 States (WOTUS). On June 26, 2023, EPA announced that they and the Corps were
18 promulgating a new WOTUS rule based on the court’s decision. On September 8,
19 2023, the U.S. Environmental Protection Agency and the U.S. Army Corps of
20 Engineers published a final rule to align the definition of WOTUS under the CWA
21 with the U.S. Supreme Court’s May 25, 2023, decision. Additionally, on June 17,
22 2024, the U.S. District Court for the Eastern District of North Carolina denied a
23 motion for preliminary injunction that sought to suspend nationwide enforcement

1 of the September 2023 final rule issued by the EPA. Neither of these decisions
2 has driven any new compliance requirements for DEF's facilities.

3 DEF will continue to monitor the status of the rule and any proposed
4 changes to ascertain any further compliance steps that may be required.

5

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

7 A. Yes.

8