



Stephanie A. Cuello
SENIOR COUNSEL

August 1, 2024

VIA ELECTRONIC FILING

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

Re: *Energy Conservation Cost Recovery Clause*; Docket No. 20240002-EG

Dear Mr. Teitzman:

On behalf of Duke Energy Florida, LLC ("DEF"), please find enclosed for electronic filing in the above-referenced docket:

- DEF's ECCR Actual/Estimated True-Up and Projection Petition;
- Direct Testimony of Karla Rodriguez; and
- Exhibit KR-1P to Direct Testimony of Karla Rodriguez.

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/clg
Enclosures

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Energy Conservation Cost Recovery

Docket No. 20240002-EG

Filed: August 1, 2024

**DUKE ENERGY FLORIDA, LLC'S PETITION FOR APPROVAL OF
CONSERVATION COST RECOVERY TRUE-UP CALCULATIONS, PROJECTED
PROGRAM EXPENDITURES AND PROJECTED COST RECOVERY FACTORS
FOR THE PERIOD JANUARY 2025 THROUGH DECEMBER 2025**

Duke Energy Florida, LLC (“DEF” or “the Company”), hereby petitions the Commission for approval of the Company’s conservation cost recovery true-up and cost recovery factors proposed for the period January 2025 through December 2025. In support thereof, the Company states:

1. DEF projects total conservation program costs of \$131,821,851 for the period January 2025 through December 2025.

2. The net true-up is an over-recovery of \$13,165,569, which includes the final conservation over-recovery of \$3,699,623, for the period January 2023 through December 2023, as shown on DEF’s schedule CT-1 filed May 2, 2024, and the actual/estimated true-up over-recovery for January 2024 through December 2024 of \$9,465,946.

3. The total recoverable conservation costs including prior period over-recoveries to be reimbursed during the January 2025 through December 2025 billing period are \$118,656,282.

4. Based upon the required true-up and projected expenditures, DEF has calculated the required conservation cost recovery factors for the period January 2025 through December 2025 as follows:

2025 ECCR Billing Factors

<u>Retail Rate Schedule</u>	<u>Secondary Voltage</u>	<u>Primary Voltage</u>	<u>Transmission Voltage</u>
Residential (Cents/kWh)	.326	N/A	N/A
General-Service-Non-Demand (Cents/kWh)	.286	.283	.280
General Service 100% Load Factor (Cents/kWh)	.222	N/A	N/A
General Service Demand (\$/kW)	.89	.88	.87
Curtable (\$/kW)	.63	.62	.62
Interruptible (\$/kW)	.77	.76	.75
Standby Monthly (\$/kW)	.087	.086	.085
Standby Daily (\$/kW)	.041	.041	.040
Lighting (Cents/kWh)	.110	N/A	N/A

WHEREFORE, DEF respectfully requests the Commission’s approval of the Company’s prior period conservation cost recovery true-up calculations, projected program expenditures and projected conservation cost recovery charges to be collected during the January 2025 through December 2025 billing period.

RESPECTFULLY SUBMITTED this 1st day of August, 2024.

/s/ Stephanie A. Cuello
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Attorneys for Duke Energy Florida, LLC

CERTIFICATE OF SERVICE

Docket No. 20240002-EG

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished via electronic mail to the following this 1st day of August, 2024.

/s/ Stephanie A. Cuello

Attorney

<p>Jacob Imig / Carlos Marquez / Saad Farooqi Office of General Counsel Florida Public Service Commission 2540 Shumard Oak Blvd. Tallahassee, FL 32399-0850 jimig@psc.state.fl.us CMarquez@psc.state.fl.us sfarooqi@psc.state.fl.us</p> <p>J. Wahlen / M. Means / V. Ponder Tampa Electric Company P.O. Box 391 Tallahassee, FL 32302 jwahlen@ausley.com mmeans@ausley.com vponder@ausley.com</p> <p>Jon C. Moyle, Jr. FIPUG 118 North Gadsden Street Tallahassee, FL 32301 jmoyle@moylelaw.com mqualls@moylelaw.com</p> <p>Maria Jose Moncada / William P. Cox Florida Power & Light Company 700 Universe Boulevard Juno Beach, FL 33408-0420 maria.moncada@fpl.com will.p.cox@fpl.com</p> <p>James W. Brew / Laura Wynn Baker / Sarah B. Newman Stone Mattheis Xenopoulos & Brew, P.C. PCS Phosphate –White Springs 1025 Thomas Jefferson Street, NW Eighth Floor, West Tower Washington, DC 20007 jbrew@smxblaw.com lwb@smxblaw.com sbn@smxblaw.com</p> <p>Paula K. Brown Tampa Electric Company P.O. Box 111 Tampa, FL 33601 regdept@tecoenergy.com</p>	<p>W. Trierweiler / M. Wessling /P. Christensen /O. Ponce / A. Watrous / C. Rehwinkel Office of General Counsel 111 West Madison Street, Room 812 Tallahassee, FL 32399-1400 trierweiler.walt@leg.state.fl.us wessling.mary@leg.state.fl.us christensen.patty@leg.state.fl.us ponce.octavio@leg.state.fl.us watrous.austin@leg.state.fl.us rehwinkel.charles@leg.state.fl.us</p> <p>Kenneth A. Hoffman Florida Power & Light Company 134 W. Jefferson Street Tallahassee, FL 32301-1713 ken.hoffman@fpl.com</p> <p>Beth Keating Florida Public Utilities Company 215 South Monroe Street, Suite 601 Tallahassee, FL 32301 bkeating@gunster.com</p> <p>Derrick Craig Florida Public Utilities Company 208 Wildlight Avenue Yulee, FL 32097 dcraig@chpk.com</p> <p>Michelle D. Napier Florida Public Utilities Company 1635 Meathe Drive West Palm Beach, FL 33411 mnapier@fpuc.com</p> <p>Peter J. Mattheis / Michael K. Lavanga / Joseph R. Briscar Stone Mattheis Xenopoulos & Brew, PC NUCOR 1025 Thomas Jefferson Street, NW Eighth Floor, West Tower Washington, DC 20007 pjm@smxblaw.com mkl@smxblaw.com jrb@smxblaw.com</p>
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1 **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

2 **DIRECT TESTIMONY OF**

3 **KARLA RODRIGUEZ**

4 **ON BEHALF OF**

5 **DUKE ENERGY FLORIDA, LLC**

6 **DOCKET NO. 20240002-EG**

7 **August 1, 2024**

8

9 **Q. State your name and business address.**

10 A. My name is Karla Rodriguez. My business address is 299 First Avenue North, St.
11 Petersburg, FL 33701.

12

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

14 A. I am employed by Duke Energy Business Services, LLC (“DEBS”), as Lead Strategy &
15 Collaboration Manager in the Portfolio Analysis and Regulatory Strategy Department.
16 DEBS is a service-company affiliate of Duke Energy Florida, LLC (“Duke Energy
17 Florida,” “DEF,” or “the Company”).

18

19 **Q. What are your current duties and responsibilities at Duke Energy?**

20 A. My responsibilities include the regulatory planning, support and compliance of the
21 Company’s energy-efficiency and demand-side management (DSM) programs. This
22 includes support for development, implementation and training, budgeting, and
23 accounting functions related to these programs.

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

2 A. The purpose of my testimony is to describe the components and costs of the Company's
3 DSM programs. I will detail the projected costs for each program, explain how these
4 costs are presented in my attached exhibit, and show the resulting projected Energy
5 Conservation Cost Recovery (“ECCR”) factors for 2025 customer billings.

6

7 **Q. For what programs does DEF seek recovery?**

8 A. Pursuant to Rule 25-17.015, F.A.C., DEF seeks recovery through the ECCR clause of
9 costs related to the following conservation programs approved by the Commission as part
10 of the Company's DSM Plan on August 3, 2020 (see Order No. PSC-2020-0274-PAA-
11 EG), as well as for common, administrative expenses not linked to a specific program:

- 12 • Home Energy Check
- 13 • Residential Incentive Program
- 14 • Neighborhood Energy Saver
- 15 • Low-Income Weatherization Assistance Program
- 16 • Load Management (Residential and Commercial)
- 17 • Business Energy Check
- 18 • Smart \$aver Business (a/k/a Better Business)
- 19 • Smart \$aver Custom Incentive Program
- 20 • Standby Generation
- 21 • Interruptible Service
- 22 • Curtailable Service
- 23 • Technology Development

- Qualifying Facility

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Q. Do you have any exhibits to your testimony?

A. Yes. Exhibit KR-1P supports DEF's energy conservation calculations for the 2024 actual/estimated period and the 2025 projection period. There are six (6) schedules included in this exhibit.

Q. Will you please explain your exhibit?

A. Yes. Exhibit KR-1P presents Schedules C-1 through C-6. Schedules C-1 to C-4 provide projected program costs for calendar year 2025 along with an updated projection of program costs for 2024. The 2024 updated projection of costs includes the actual costs incurred for the period from January 2024 through June 2024 and forecasted costs for July through December 2024. Schedule C-5 provides a summary report for each program that includes a program description, estimated annual program expenditures for 2025, and a summary of program accomplishments through the period ending June 2024. Schedule C-6 is the capital structure and cost rates used to calculate the return for each applicable conservation program.

Q. Would you please discuss Schedule C-1?

A. Schedule C-1 provides the calculation of the cost recovery factors for 2025 by rate class.

1 **Q. What does Schedule C-2 show?**

2 A. Schedule C-2 provides annual and monthly conservation program cost estimates for the
3 2025 projection period for each conservation program as well as for common
4 administration expenses. Additionally, Schedule C-2 presents program costs by specific
5 category (e.g., payroll, materials, incentives, etc.) and includes a schedule of estimated
6 capital investments, depreciation and return for the projection period.

7

8 **Q. Would you please discuss Schedule C-3?**

9 A. Schedule C-3 contains a detailed breakdown of conservation program costs by specific
10 category and by month for the period of January through June 2024 (actual) and July
11 through December 2024 (estimated). In addition, Schedule C-3 presents a schedule of
12 capital investment, depreciation and return, an energy conservation adjustment
13 calculation of true-up, and a calculation of interest provision for the 2024
14 actual/estimated period.

15

16 **Q. What is the purpose of Schedule C-4?**

17 A. Schedule C-4 provides the projected ECCR revenues for the 2025 projection period.

18

19 **Q. Would you please discuss Schedule C-5?**

20 A. Schedule C-5 presents a brief description of each program, as well as a summary of
21 progress and projected expenditures for each program for which DEF seeks cost recovery
22 through the ECCR clause.

23

1 **Q. What is the purpose of Schedule C-6?**

2 A. Schedule C-6 provides the capital structure and cost rates used to calculate the Return on
3 Average Investment on Schedules C-2 and C-3.

4
5 **Q. Would you please summarize the results presented in your Exhibit?**

6 A. Yes. Schedule C-2, Page 1 of 4, Line 22, shows total 2025 projected program costs of
7 \$131,821,851 plus a prior period over-recovery of \$13,165,569 resulting in estimated
8 net revenue requirements in 2025 of \$118,656,282. The following table includes DEF's
9 proposed ECCR billing factors, by retail rate class and voltage level for calendar year
10 2025, as contained in Schedule C-1, Page 2 of 2.

11
12 **2025 ECCR Billing Factors**

	Secondary	Primary	Transmission
<u>Retail Rate Schedule</u>	<u>Voltage</u>	<u>Voltage</u>	<u>Voltage</u>
15 Residential (Cents/kWh)	.326	N/A	N/A
16 General-Service-Non-Demand (Cents/kWh)	.286	.283	.280
17 General Service 100% Load Factor (Cents/kWh)	.222	N/A	N/A
18 General Service Demand (\$/kW)	.89	.88	.87
19 Curtailable (\$/kW)	.63	.62	.62
20 Interruptible (\$/kW)	.77	.76	.75
21 Standby Monthly (\$/kW)	.087	.086	.085
22 Standby Daily (\$/kW)	.041	.041	.040
23 Lighting (Cents/kWh)	.110	N/A	N/A

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

3 A. Yes.

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Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Calculation of Energy & Demand Allocation % by Rate Class
January 2025 - December 2025

Duke Energy Florida, LLC
Witness: Karla Rodriguez
Exhibit No.(KR-1P)
Schedule C-1
Page 1 of 2

Rate Class	(1) Average 12CP Load Factor at Meter (%)	(2) Sales at Meter (mWh)	(3) Avg 12 CP at Meter (MW)	(4) Delivery Efficiency Factor	(5) Sales at Source (Generation) (mWh)	(6) Avg 12 CP at Source (MW)	(7) Annual Average Demand (MWh)	(8) Annual Average Demand Allocator (%)	(9) 12 CP Allocator (%)	(10) 12 CP & 25% AD Demand Allocator (%)
Residential										
RS-1, RST-1, RSL-1, RSL-2 Secondary	0.534	21,763,235	4,650.3	0.9476928	22,964,440	4,907.0	2,621.51	53.510%	63.240%	60.807%
General Service Non-Demand										
GS-1, GST-1, GSLM-1, GSLM-2 Secondary	0.651	2,388,776	418.7	0.9476928	2,520,622	441.8	287.7	5.873%	5.693%	5.738%
Primary	0.651	31,236	5.5	0.9743973	32,057	5.6	3.7	0.075%	0.072%	0.073%
Sec Del/Primary Mtr	0.651	0	0.0	0.9743973	0	0.0	0.0	0.000%	0.000%	0.000%
Transmission	0.651	4,830	0.8	0.9843973	4,906	0.9	0.6	0.011%	0.011%	0.011%
		<u>2,424,841</u>	<u>425.0</u>		<u>2,557,585</u>	<u>448.2</u>	<u>292.0</u>	<u>5.959%</u>	<u>5.777%</u>	<u>5.823%</u>
General Service										
GS-2 Secondary	1.000	208,878	23.84	0.9476928	220,407	25.2	25.2	0.514%	0.324%	0.372%
General Service Demand										
GSD-1, GSDT-1, GSLM-1, GSLM-2 Secondary	0.777	10,997,140	1,615.8	0.9476928	11,604,119	1,704.9	1,324.7	27.039%	21.973%	23.239%
Primary	0.777	1,703,461	250.3	0.9743973	1,748,220	256.9	199.6	4.074%	3.310%	3.501%
Sec Del/Primary Mtr	0.777	24,523	3.6	0.9743973	25,167	3.7	2.9	0.059%	0.048%	0.050%
Primary Del/Secondary Mtr	0.777	5,303	0.8	0.9476928	5,595	0.8	0.6	0.013%	0.011%	0.011%
Transm Del/ Primary Mtr	0.777	0	0.0	0.9743973	0	0.0	0.0	0.000%	0.000%	0.000%
Transmission	0.777	526,922	77.4	0.9843973	535,274	78.6	61.1	1.247%	1.014%	1.072%
SS-1 Primary	0.985	45,655	5.3	0.9743973	46,855	5.4	5.3	0.109%	0.070%	0.080%
Transm Del/ Transm Mtr	0.985	5,332	0.6	0.9843973	5,416	0.6	0.6	0.013%	0.008%	0.009%
Transm Del/ Primary Mtr	0.985	4,022	0.5	0.9743973	4,128	0.5	0.5	0.010%	0.006%	0.007%
		<u>13,312,358</u>	<u>1,954.2</u>		<u>13,974,775</u>	<u>2,051.5</u>	<u>1,595.3</u>	<u>32.563%</u>	<u>26.439%</u>	<u>27.970%</u>
Curtailable										
CS-2, CST-2, CS-3, CST-3 Secondary	1.002	0	0.0	0.9476928	0	0.0	0.0	0.000%	0.000%	0.000%
Primary	1.002	61,550	7.0	0.9743973	63,167	7.2	7.2	0.147%	0.093%	0.106%
SS-3 Primary	1.207	0	0.0	0.9743973	0	0.0	0.0	0.000%	0.000%	0.000%
		<u>61,550</u>	<u>7.0</u>		<u>63,167</u>	<u>7.2</u>	<u>7.2</u>	<u>0.147%</u>	<u>0.093%</u>	<u>0.106%</u>
Interruptible										
IS-2, IST-2 Secondary	1.012	383,674	43.3	0.9476928	404,850	45.7	46.2	0.943%	0.588%	0.677%
Sec Del/Primary Mtr	1.012	0	0.0	0.9743973	0	0.0	0.0	0.000%	0.000%	0.000%
Primary Del / Primary Mtr	1.012	1,027,727	115.9	0.9743973	1,054,730	118.9	120.4	2.458%	1.533%	1.764%
Primary Del / Transm Mtr	1.012	0	0.0	0.9843973	0	0.0	0.0	0.000%	0.000%	0.000%
Transm Del/ Transm Mtr	1.012	1,022,056	115.3	0.9843973	1,038,256	117.1	118.5	2.419%	1.509%	1.737%
Transm Del/ Primary Mtr	1.012	221,586	25.0	0.9743973	227,408	25.6	26.0	0.530%	0.331%	0.380%
SS-2 Primary	0.838	13,700	1.9	0.9743973	14,060	1.9	1.6	0.033%	0.025%	0.027%
Transm Del/ Transm Mtr	0.838	6,160	0.8	0.9843973	6,257	0.9	0.7	0.015%	0.011%	0.012%
Transm Del/ Primary Mtr	0.838	54,060	7.4	0.9743973	55,480	7.6	6.3	0.129%	0.097%	0.105%
		<u>2,728,962</u>	<u>309.5</u>		<u>2,801,043</u>	<u>317.7</u>	<u>319.8</u>	<u>6.527%</u>	<u>4.094%</u>	<u>4.702%</u>
Lighting										
LS-1 (Secondary)	14.969	317,404	2.4	0.9476928	334,923	2.6	38.2	0.780%	0.033%	0.220%
		<u>40,817,228</u>	<u>7,372</u>		<u>42,916,340</u>	<u>7,759</u>	<u>4,899</u>	<u>100.000%</u>	<u>100.000%</u>	<u>100.000%</u>

Notes:

- (1) Average 12CP load factor based on load research study filed April 28, 2023 (FPSC Rule 25-6.0437 (7))
- (2) Projected mWh sales for the period Jan-Dec 2025
- (3) Calculated: Column 2 / (8,760 hours x Column 1)
- (4) Based on system average line loss analysis for 2023
- (5) Column 2 / Column 4

- (6) Column 3 / Column 4
- (7) Column 5 / 8,760 hours
- (8) Column 5 / Total Column 5
- (9) Column 6 / Total Column 6
- (10) Column 8 x 1/4 + Column 9 x 3/4

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Calculation of Energy Conservation Cost Recovery Rate Factors by Rate Class
January 2025 - December 2025

Rate Class	(1) Annual Average Demand Allocator (%)	(2) 12 CP & 25% AD Demand Allocator (%)	(3) Energy- Related Costs (\$)	(4) Production Demand Costs (\$)	(5) Total Energy Conservation Costs (\$)	(6) Projected Effective Sales at Meter Level (mWh)	(7) Billing KW Load Factor (%)	(8) Projected Effective KW at Meter Level (kW)	(9) Energy Conservation Cost Recovery (\$/kW-month)	(10) Energy Conservation Cost Recovery (cents/kWh)
Residential										
RS-1, RST-1, RSL-1, RSL-2										
Secondary	53.510%	60.807%	\$8,539,018	\$ 62,448,048	\$ 70,987,066	21,763,235				0.326
General Service Non-Demand										
GS-1, GST-1, GSLM-1, GLMS-2										
Secondary						2,388,776				0.286
Primary						30,924				0.283
Transmission						4,733				0.280
TOTAL GS	5.959%	5.823%	\$951,004	\$ 5,979,667	\$ 6,930,671	2,424,432				
General Service										
GS-2										
Secondary	0.514%	0.372%	\$81,955	\$ 381,619	\$ 463,575	208,878				0.222
General Service Demand										
GSD-1, GSDT-1, GSLM-1, GSLM-2, SS-1										
Secondary						11,002,443			0.89	
Primary						1,759,885			0.88	
Transmission						521,609			0.87	
TOTAL GSD	32.563%	27.970%	\$5,196,332	\$ 28,724,947	\$ 33,921,280	13,283,936	47.96%	37,939,582		
Curtailable										
CS-2, CST-2, CS-3, CST-3, SS-3										
Secondary						-			0.63	
Primary						60,934			0.62	
Transmission						-			0.62	
TOTAL CS	0.147%	0.106%	\$23,488	\$ 109,258	\$ 132,746	60,934	39.69%	210,312		
Interruptible										
IS-2, IST-2, SS-2										
Secondary						383,674			0.77	
Primary						1,303,902			0.76	
Transmission						1,007,651			0.75	
TOTAL IS	6.527%	4.702%	\$1,041,530	\$ 4,829,157	\$ 5,870,687	2,695,227	48.48%	7,615,656		
Lighting										
LS-1										
Secondary	0.780%	0.220%	\$124,537	\$ 225,721	\$ 350,258	317,404				0.110
	100.000%	100.000%	\$ 15,957,864	\$ 102,698,418	\$ 118,656,282	40,754,047				0.291

- Notes:
- (1) From Schedule C-1, page 1, Column 8
 - (2) From Schedule C-1, page 1, Column 10
 - (3) Column 1 x Total Energy Dollars, C-2 page 1, line 20
 - (4) Column 2 x Total Demand Dollars, C-2 page 1, line 21
 - (5) Column 3 + Column 4

- (6) kWh sales at effective secondary voltage
- (7) Class Billing kW Load Factor
- (8) Column 6 x 1000 / 8,760 / Column 7 x 12
- (9) Column 5 / Column 8 (x voltage factor if applicable)
- (10) Column 5 / Column 6 / 10

Calculation of Standby Service kW Charges			
	ECCR Cost	Effective kW	\$/kW
Total GSD, CS, IS	\$39,924,712	45,765,551	0.87
SS-1, 2, 3 - \$/KW-mo			
Monthly - \$0.87/kW * 10%	0.087	0.086	0.085
Daily - \$0.87/kW / 21	0.041	0.041	0.040

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Estimated Conservation Program Costs
January 2025 - December 2025

FPSC Docket No. 20240002-EG
Duke Energy Florida, LLC
Witness: Karla Rodriguez
Exhibit No. (KR-1P)
Schedule C-2
Page 1 of 4

Line No.	Program Demand (D) or Energy (E)	12 Month Total		
1	Home Energy Check (E)	\$4,732,797		
2	Residential Incentive Program (E)	7,705,236		
3	Business Energy Check (E)	623,019		
4	Better Business (E)	1,810,793		
5	Technology Development (E)	800,000		
6	Smart \$aver Custom Incentive (E)	606,385		
7	Interruptible Service (D)	55,220,937		
8	Curtable Service (D)	3,142,977		
9	Load Management (Residential & Commercial) (D)	41,052,036		
10	Low Income Weatherization Assistance Program (E)	428,770		
11	Standby Generation (D)	7,364,348		
12	Qualifying Facility (E)	879,245		
13	Neighborhood Energy Saver (E)	5,025,032		
14	Conservation Program Admin (E)	1,506,214		
15	Conservation Program Admin (D)	924,061		
16	Total ECCR Program Costs	<u>\$131,821,851</u>		
17			2024	
18		12 Months	End of Period Net True-Up	
19	<u>Demand & Energy Summary</u>	<u>Total</u>	<u>(Over)/Under Recovery</u>	<u>Total Costs</u>
20	Energy	\$24,117,491	(\$8,159,627)	\$15,957,864
21	Demand	107,704,360	(5,005,942)	102,698,418
22	Total Demand & Energy Costs	<u>\$131,821,851</u>	<u>(\$13,165,569)</u>	<u>\$118,656,282</u>

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Estimated Conservation Program Costs
January 2025 - December 2025

Line No.	Program	Est Jan-25	Est Feb-25	Est Mar-25	Est Apr-25	Est May-25	Est Jun-25	Est Jul-25	Est Aug-25	Est Sep-25	Est Oct-25	Est Nov-25	Est Dec-25	Total
1	Home Energy Check (E)	\$391,871	\$384,311	\$400,211	\$422,559	\$399,659	\$424,012	\$398,091	\$396,482	\$401,217	\$402,769	\$336,893	\$374,721	\$4,732,797
2	Residential Incentive Program (E)	642,078	639,290	644,304	644,604	645,284	654,047	644,410	644,043	645,000	646,499	620,770	634,907	\$7,705,236
3	Business Energy Check (E)	51,914	51,361	52,355	52,414	52,549	54,285	52,376	52,303	52,492	52,789	47,692	50,490	\$623,019
4	Better Business (E)	150,881	148,883	152,476	152,690	153,178	159,456	152,551	152,289	152,974	154,048	135,615	145,753	\$1,810,793
5	Technology Development (E)	47,979	74,511	135,632	39,163	39,332	131,387	39,115	39,024	81,737	39,634	33,234	99,252	\$800,000
6	Smart Saver Custom Incentive (E)	50,531	50,338	50,685	50,706	50,753	51,360	50,693	50,667	50,733	50,837	49,054	50,027	\$606,385
7	Interruptible Service (D)	4,604,057	4,599,535	4,606,624	4,606,698	4,607,338	4,620,004	4,604,709	4,603,214	4,604,398	4,606,996	4,568,343	4,589,020	\$55,220,937
8	Curtable Service (D)	261,914	261,863	261,955	261,961	261,973	262,135	261,957	261,950	261,968	261,996	261,522	261,783	\$3,142,977
9	Load Management (Residential & Commercial) (D)	3,256,678	3,272,263	3,318,020	3,352,481	3,388,680	3,450,875	3,452,511	3,478,393	3,506,700	3,537,254	3,483,281	3,554,901	\$41,052,036
10	Low Income Weatherization Assistance Program (E)	35,705	35,432	35,923	35,953	36,019	37,156	35,934	35,898	35,991	36,138	33,618	35,002	\$428,770
11	Standby Generation (D)	613,686	612,638	614,524	614,636	614,892	618,188	614,563	614,425	614,785	615,349	605,672	610,990	\$7,364,348
12	Qualifying Facility (E)	73,240	71,279	74,805	75,016	75,495	81,807	74,880	74,622	75,295	76,349	58,256	68,202	\$879,245
13	Neighborhood Energy Saver (E)	418,749	418,242	419,153	419,208	419,331	420,923	419,172	419,106	419,279	419,552	414,875	417,443	\$5,025,032
14	Conservation Program Admin (E)	125,497	123,172	127,353	127,603	128,171	135,477	127,441	127,136	127,933	129,183	107,729	119,519	\$1,506,214
15	Conservation Program Admin (D)	76,993	75,567	78,132	78,285	78,633	83,116	78,186	77,998	78,488	79,255	66,091	73,317	\$924,061
16	Total ECCR Program Costs	\$10,801,772	\$10,818,684	\$10,972,152	\$10,933,976	\$10,951,289	\$11,184,228	\$11,006,589	\$11,027,549	\$11,108,991	\$11,108,650	\$10,822,645	\$11,085,327	\$131,821,851
17	Demand & Energy Summary													
18	Energy	\$1,988,444	\$1,996,819	\$2,092,897	\$2,019,916	\$1,999,772	\$2,149,910	\$1,994,662	\$1,991,569	\$2,042,651	\$2,007,800	\$1,837,736	\$1,995,316	\$24,117,491
19	Demand	8,813,328	8,821,865	8,879,255	8,914,061	8,951,517	9,034,318	9,011,927	9,035,981	9,066,339	9,100,850	8,984,909	9,090,011	107,704,360
20	Total Demand & Energy Costs	\$10,801,772	\$10,818,684	\$10,972,152	\$10,933,976	\$10,951,289	\$11,184,228	\$11,006,589	\$11,027,549	\$11,108,991	\$11,108,650	\$10,822,645	\$11,085,327	\$131,821,851

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Estimated Conservation Program Costs
January 2025 - December 2025

Line No.	Program Demand (D) or Energy (E)	Depreciation, Amortization & Return	Payroll & Benefits	Vehicles	Outside Services	Materials & Supplies	Advertising	Incentives	Other	Total	
1	Home Energy Check (E)	0	3,183,292	97,087	219,842	44,216	532,796	547,240	108,325	4,732,797	
2	Residential Incentive Program (E)	0	1,243,283	41,114	191,546	11,805	249,945	5,873,900	93,643	7,705,236	
3	Business Energy Check (E)	0	246,343	10,764	195,801	8,256	93,116	44,000	24,739	623,019	
4	Better Business (E)	0	890,748	4,836	121,288	13,401	163,813	577,007	39,700	1,810,793	
5	Technology Development (E)	0	309,286	63,540	373,499	35,800	0	0	17,875	800,000	
6	Smart Saver Custom Incentive (E)	0	86,156	2,032	220,366	4,496	59,203	216,800	17,332	606,385	
7	Interruptible Service (D)	771,683	1,850,013	96,753	12,712	51,899	0	52,387,452	50,425	55,220,937	
8	Curtailable Service (D)	0	22,904	0	0	0	0	3,106,311	13,762	3,142,977	
9	Load Management (Residential & Commercial) (D)	6,983,673	3,860,364	75,000	2,500,000	100,000	600,000	26,782,999	150,000	41,052,036	
10	Low Income Weatherization Assistance Program (E)	0	121,760	2,383	0	279	31,958	266,532	5,858	428,770	
11	Standby Generation (D)	0	467,626	32,632	3,994	40,434	0	6,810,097	9,565	7,364,348	
12	Qualifying Facility (E)	0	874,295	1,200	0	150	0	0	3,600	879,245	
13	Neighborhood Energy Saver (E)	0	225,926	6,500	530,516	3,000	96,146	4,107,944	55,000	5,025,032	
14	Conservation Program Admin (E)	0	1,036,636	620	272,700	92,966	0	0	103,292	1,506,214	
15	Conservation Program Admin (D)	0	635,977	380	167,300	57,034	0	0	63,370	924,061	
16	Total ECCR Program Costs	\$7,755,356	\$15,054,610	\$434,841	\$4,809,564	\$463,735	\$1,826,977	\$100,720,282	\$756,486	\$131,821,851	
17	<u>Demand & Energy Summary</u>										
18	Energy	\$0	\$8,217,725	\$230,076	\$2,125,558	\$214,368	\$1,226,977	\$11,633,423	\$469,364	\$24,117,491	
19	Demand	7,755,356	6,836,885	204,765	2,684,006	249,367	600,000	89,086,859	287,122	107,704,360	
20	Total Demand & Energy Costs	\$7,755,356	\$15,054,610	\$434,841	\$4,809,564	\$463,735	\$1,826,977	\$100,720,282	\$756,486	\$131,821,851	

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Schedule of Capital Investment, Depreciation & Return
January 2025 - December 2025

FPSC Docket No. 20240002-EG
Duke Energy Florida, LLC
Witness: Karla Rodriguez
Exhibit No.(KR-1P)
Schedule C-2
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Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Est Jan-25	Est Feb-25	Est Mar-25	Est Apr-25	Est May-25	Est Jun-25	Est Jul-25	Est Aug-25	Est Sep-25	Est Oct-25	Est Nov-25	Est Dec-25	Total
1	Interruptible Service (D)														
2	Investments	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$36,548	\$0	\$0	\$0	\$36,548
3	Retirements	0	0	0	0	0	0	0	70,118	0	0	0	0	0	70,118
4	Depreciation Base	3,258,583	3,258,583	3,258,583	3,258,583	3,258,583	3,258,583	3,258,583	3,223,524	3,188,465	3,188,465	3,225,013	3,225,013	3,225,013	
5															
6	Depreciation Expense	54,311	54,311	54,311	54,311	54,311	54,311	54,311	53,726	53,142	53,142	53,751	53,751	53,751	647,129
7															
8	Cumulative Investment	3,258,583	3,258,583	3,258,583	3,258,583	3,258,583	3,258,583	3,258,583	3,188,465	3,188,465	3,225,013	3,225,013	3,225,013	3,225,013	3,225,013
9	Less: Accumulated Depreciation	1,430,725	1,485,036	1,539,347	1,593,658	1,647,969	1,702,280	1,756,591	1,740,199	1,793,341	1,846,483	1,900,234	1,953,985	2,007,736	2,007,736
10	Net Investment	1,827,859	1,773,548	1,719,237	1,664,926	1,610,615	1,556,304	1,501,993	1,448,267	1,395,125	1,378,531	1,324,780	1,271,029	1,217,278	1,217,278
11	Average Investment	1,800,703	1,746,392	1,692,081	1,637,770	1,583,459	1,529,148	1,475,130	1,421,696	1,386,828	1,351,655	1,297,904	1,244,153	1,244,153	124,554
12	Return on Average Investment	12,346	11,973	11,601	11,229	10,856	10,484	10,113	9,748	9,509	9,267	8,999	8,529	8,529	
13															
14	Program Total	\$66,657	\$66,284	\$65,912	\$65,540	\$65,167	\$64,795	\$63,839	\$62,890	\$62,651	\$63,018	\$62,650	\$62,280	\$62,280	\$771,683

Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Est Jan-25	Est Feb-25	Est Mar-25	Est Apr-25	Est May-25	Est Jun-25	Est Jul-25	Est Aug-25	Est Sep-25	Est Oct-25	Est Nov-25	Est Dec-25	Total
15	Residential Load Management Switches (D)														
16	Investments	\$1,576,938	\$1,576,938	\$1,576,938	\$1,576,938	\$1,576,938	\$1,576,938	\$1,576,938	\$1,576,938	\$1,576,938	\$1,576,938	\$1,576,938	\$1,576,938	\$1,576,938	\$18,923,256
17	Retirements	723,783	557,714	85,487	137,758	(2,598)	8,058	388,176	535,234	574,731	453,120	557,666	222,645	222,645	4,241,773
18	Closings to Plant	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Amortization Base	16,187,125	17,123,315	18,378,653	19,843,969	21,353,327	22,927,535	24,306,356	25,421,589	26,443,545	27,506,557	28,578,102	29,764,885	29,764,885	
20															
21	Amortization Expense	269,791	285,394	306,317	330,739	355,896	382,133	405,114	423,702	440,735	458,452	476,311	496,091	496,091	4,630,675
22															
23	Cumulative Plant Investment	16,549,017	17,402,172	18,421,396	19,912,848	21,352,028	22,931,564	24,500,444	25,689,206	26,730,910	27,733,117	28,856,935	29,876,207	31,230,500	31,230,500
24	Less: Accumulated Depreciation	7,090,682	6,636,690	6,364,371	6,585,201	6,778,182	7,136,676	7,510,752	7,527,689	7,416,158	7,282,161	7,287,493	7,206,138	7,479,585	7,479,585
25	Net Investment	9,458,335	10,765,482	12,057,026	13,327,647	14,573,846	15,794,888	16,989,693	18,161,517	19,314,753	20,450,956	21,569,442	22,670,069	23,750,916	23,750,916
26	Average Investment	10,111,908	11,411,254	12,692,336	13,950,746	15,184,367	16,392,290	17,575,605	18,738,135	19,882,854	21,010,199	22,119,755	23,210,492	23,210,492	
27	Return on Average Investment	69,327	78,235	87,019	95,647	104,104	112,385	120,498	128,469	136,316	144,046	151,653	159,131	159,131	1,386,830
28															
29	Program Total	\$339,118	\$363,629	\$393,336	\$426,386	\$460,000	\$494,518	\$525,612	\$552,171	\$577,051	\$602,498	\$627,964	\$655,222	\$655,222	\$6,017,505

Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Est Jan-25	Est Feb-25	Est Mar-25	Est Apr-25	Est May-25	Est Jun-25	Est Jul-25	Est Aug-25	Est Sep-25	Est Oct-25	Est Nov-25	Est Dec-25	Total
30	Load Management Software (D)														
31	Expenditures Booked Directly to Plant	\$0	\$37,500	\$37,500	\$37,500	\$37,500	\$37,500	\$37,500	\$37,500	\$37,500	\$37,500	\$37,500	\$37,500	\$37,500	\$412,500
32	Retirements	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Investments Booked to CWIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Closings to Plant	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	Amortization Base	3,480,014	3,480,014	3,517,514	3,555,014	3,592,514	3,630,014	3,667,514	3,705,014	3,742,514	3,780,014	3,817,514	3,855,014	3,855,014	
36															
37	Amortization Expense	58,001	58,001	58,626	59,251	59,876	60,501	61,126	61,751	62,376	63,001	63,627	64,252	64,252	730,389
38															
39	Cumulative Plant Investment	3,480,014	3,480,014	3,517,514	3,555,014	3,592,514	3,630,014	3,667,514	3,705,014	3,742,514	3,780,014	3,817,514	3,855,014	3,892,514	730,389
40	Less: Accumulated Amortization	445,176	503,177	561,178	619,804	679,055	738,931	799,432	860,558	922,309	984,685	1,047,686	1,111,313	1,175,565	(730,389)
41	Cumulative CWIP Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Net Plant Investment	3,034,838	2,976,837	2,956,336	2,935,210	2,913,459	2,891,083	2,868,082	2,844,456	2,820,205	2,795,329	2,769,828	2,743,701	2,716,949	1,460,778
43	Average Investment	3,005,838	2,966,587	2,945,773	2,924,335	2,902,271	2,879,583	2,856,269	2,832,331	2,807,767	2,782,579	2,756,765	2,730,325	2,730,325	
44	Return on Average Investment	20,608	20,339	20,196	20,050	19,898	19,742	19,582	19,418	19,250	19,077	18,900	18,719	18,719	235,779
45															
46	Program Total	\$78,609	\$78,340	\$78,822	\$79,301	\$79,774	\$80,243	\$80,708	\$81,169	\$81,626	\$82,078	\$82,527	\$82,971	\$82,971	\$966,168

47	Demand & Energy Summary														
48	Energy	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
49	Demand	3,411,613	3,396,500	3,405,021	3,416,261	3,427,438	3,438,896	3,445,720	3,447,392	3,447,469	3,448,095	3,447,379	3,447,827	3,447,827	\$41,179,611
50	Total Depreciation & Return	\$3,411,613	\$3,396,500	\$3,405,021	\$3,416,261	\$3,427,438	\$3,438,896	\$3,445,720	\$3,447,392	\$3,447,469	\$3,448,095	\$3,447,379	\$3,447,827	\$3,447,827	\$41,179,611

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Program Costs
January 2024 - June 2024 Actuals
July 2024 - December 2024 Estimates

FPSC Docket No. 20240002-EG
Duke Energy Florida, LLC
Witness: Karla Rodriguez
Exhibit No. (KR-1P)
Schedule C-3
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Line No.	Program Demand (D) or Energy (E)	Depreciation		Operating & Maintenance Costs						Program Revenues (Credits)	Total
		Amortization & Return	Payroll & Benefits	Vehicles	Outside Services	Materials & Supplies	Advertising	Incentives	Other		
1	<u>Home Energy Check (E)</u>										
2	A. Actual	\$0	\$1,791,479	\$52,957	\$100,424	\$36,037	\$304,491	\$245,593	\$47,650	\$0	\$2,578,630
3	B. Estimated	0	1,710,000	54,700	114,000	9,373	251,500	305,000	48,600	0	2,493,173
4											
5	C. Total	\$0	\$3,501,479	\$107,657	\$214,424	\$45,410	\$555,991	\$550,593	\$96,250	\$0	\$5,071,804
6											
7	<u>Residential Incentive Program (E)</u>										
8	A. Actual	\$0	\$597,519	\$23,398	\$77,855	\$8,238	\$82,372	\$966,135	\$44,823	\$0	\$1,800,339
9	B. Estimated	0	621,000	21,000	72,000	11,500	130,000	1,030,000	45,000	0	1,930,500
10											
11	C. Total	\$0	\$1,218,519	\$44,398	\$149,855	\$19,738	\$212,372	\$1,996,135	\$89,823	\$0	\$3,730,839
12											
13	<u>Business Energy Check (E)</u>										
14	A. Actual	\$0	\$189,722	\$3,416	\$3,665	\$40,920	\$3,875	\$0	\$11,557	\$0	\$253,155
15	B. Estimated	0	186,779	4,344	57,700	26,000	3,800	15,000	12,000	0	305,623
16											
17	C. Total	\$0	\$376,501	\$7,760	\$61,365	\$66,920	\$7,675	\$15,000	\$23,557	\$0	\$558,778
18											
19	<u>Better Business (E)</u>										
20	A. Actual	\$0	\$623,476	\$704	\$31,127	\$562	\$16,247	\$449,184	\$18,842	\$0	\$1,140,142
21	B. Estimated	0	665,976	4,200	65,000	6,000	16,500	150,000	18,000	0	925,676
22											
23	C. Total	\$0	\$1,289,452	\$4,904	\$96,127	\$6,562	\$32,747	\$599,184	\$36,842	\$0	\$2,065,818
24											
25	<u>Technology Development (E)</u>										
26	A. Actual	\$0	\$83,248	\$31,283	\$40,340	\$779	\$0	\$0	\$3,039	\$0	\$158,689
27	B. Estimated	0	116,434	30,897	151,714	6,000	0	0	14,508	0	319,553
28											
29	C. Total	\$0	\$199,682	\$62,180	\$192,055	\$6,779	\$0	\$0	\$17,547	\$0	\$478,243
30											
31	<u>Smart Saver Custom Incentive Program (E)</u>										
32	A. Actual	\$0	\$45,808	\$72	\$21,664	\$201	\$1,812	\$0	\$8,144	\$0	\$77,700
33	B. Estimated	0	45,000	150	28,000	2,800	8,000	100,000	7,800	0	191,750
34											
35	C. Total	\$0	\$90,808	\$222	\$49,664	\$3,001	\$9,812	\$100,000	\$15,944	\$0	\$269,450
36											
37	<u>Interruptible Service (D)</u>										
38	A. Actual	\$420,708	\$320,170	\$12,233	\$7,239	\$576	\$0	\$25,366,812	\$5,217	\$0	\$26,132,955
39	B. Estimated	406,086	343,858	20,040	0	13,548	0	25,191,922	12,000	0	25,987,454
40											
41	C. Total	\$826,794	\$664,028	\$32,273	\$7,239	\$14,124	\$0	\$50,558,734	\$17,217	\$0	\$52,120,409

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Program Costs
January 2024 - June 2024 Actuals
July 2024 - December 2024 Estimates

FPSC Docket No. 20240002-EG
Duke Energy Florida, LLC
Witness: Karla Rodriguez
Exhibit No. (KR-1P)
Schedule C-3
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Line No.	Program Demand (D) or Energy (E)	Depreciation Amortization & Return	Operating & Maintenance Costs							Program Revenues (Credits)	Total
			Payroll & Benefits	Vehicles	Outside Services	Materials & Supplies	Advertising	Incentives	Other		
1	<u>Curtable Service (D)</u>										
2	A. Actual	\$0	\$34,162	\$0	\$770	\$70	\$0	\$455,982	\$63	\$0	\$491,047
3	B. Estimated	0	36,600	0	0	0	0	546,420	0	0	583,020
4											
5	C. Total	\$0	\$70,762	\$0	\$770	\$70	\$0	\$1,002,402	\$63	\$0	\$1,074,067
6											
7	<u>Load Management (Residential & Commercial) (D)</u>										
8	A. Actual	\$2,596,325	\$1,158,478	\$24,513	\$971,569	\$31,968	\$49,406	\$10,662,792	\$24,967	\$0	\$15,520,019
9	B. Estimated	2,529,958	1,440,000	23,400	1,186,917	60,000	96,600	11,302,376	30,000	0	16,669,251
10											
11	C. Total	\$5,126,283	\$2,598,478	\$47,913	\$2,158,486	\$91,968	\$146,006	\$21,965,168	\$54,967	\$0	\$32,189,270
12											
13	<u>Low Income Weatherization Assistance Program (E)</u>										
14	A. Actual	\$0	\$59,130	\$1,341	\$1,469	\$16	\$0	\$94,780	\$8,279	\$0	\$165,014
15	B. Estimated	0	86,959	1,800	1,500	90	15,500	83,584	5,500	0	194,933
16											
17	C. Total	\$0	\$146,089	\$3,141	\$2,969	\$106	\$15,500	\$178,364	\$13,779	\$0	\$359,948
18											
19	<u>Standby Generation (D)</u>										
20	A. Actual	\$0	\$195,720	\$7,883	\$9,348	\$17,107	\$0	\$2,931,805	\$2,133	\$0	\$3,163,997
21	B. Estimated	0	200,802	14,244	17,400	17,223	0	2,978,265	6,000	0	3,233,934
22											
23	C. Total	\$0	\$396,522	\$22,127	\$26,748	\$34,330	\$0	\$5,910,070	\$8,133	\$0	\$6,397,931
24											
25	<u>Qualifying Facility (E)</u>										
26	A. Actual	\$0	\$321,775	\$124	\$0	\$0	\$0	\$0	\$1,368	\$0	\$323,267
27	B. Estimated	0	354,000	100	0	0	0	0	1,600	0	355,700
28											
29	C. Total	\$0	\$675,775	\$224	\$0	\$0	\$0	\$0	\$2,968	\$0	\$678,967
30											
31	<u>Neighborhood Energy Saver (E)</u>										
32	A. Actual	\$0	\$99,137	\$1,150	\$7,446	\$1,310	\$77,042	\$3,869,868	\$13,527	\$0	\$4,069,480
33	B. Estimated	0	110,500	2,100	397,000	250	63,719	2,800,000	33,000	0	3,406,569
34											
35	C. Total	\$0	\$209,637	\$3,250	\$404,446	\$1,560	\$140,761	\$6,669,868	\$46,527	\$0	\$7,476,050
36											
37	<u>Conservation Program Admin (D)+(E)</u>										
38	A. Actual	\$0	\$801,896	\$180	\$221,494	\$63,495	\$0	\$0	\$74,524	\$0	\$1,161,589
39	B. Estimated	0	822,000	360	240,000	75,000	0	0	84,000	0	1,221,360
40											
41	C. Total	\$0	\$1,623,896	\$540	\$461,494	\$138,495	\$0	\$0	\$158,524	\$0	\$2,382,949
42	ECCR Program Costs	\$5,953,077	\$13,061,627	\$336,591	\$3,825,642	\$429,064	\$1,120,864	\$89,545,519	\$582,139	\$0	\$114,854,523

**Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Schedule of Capital Investment, Depreciation & Return
January 2024 - June 2024 Actuals
July 2024 - December 2024 Estimates**

Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Act Jan-24	Act Feb-24	Act Mar-24	Act Apr-24	Act May-24	Act Jun-24	Est Jul-24	Est Aug-24	Est Sep-24	Est Oct-24	Est Nov-24	Est Dec-24	Total
1	Interruptible Service (D)														
2	Investments		\$21,612	\$0	\$1,831	\$5,130	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,572
3	Retirements		0	0	59,853	0	0	0	0	0	0	0	0	0	59,853
4	Depreciation Base		3,289,865	3,311,476	3,281,550	3,253,454	3,258,583	3,258,583	3,258,583	3,258,583	3,258,583	3,258,583	3,258,583	3,258,583	
5															
6	Depreciation Expense		54,832	55,192	54,694	54,225	54,311	54,311	54,311	54,311	54,311	54,311	54,311	54,311	653,431
7															
8	Cumulative Investment	3,289,865	3,311,476	3,311,476	3,253,454	3,258,583	3,258,583	3,258,583	3,258,583	3,258,583	3,258,583	3,258,583	3,258,583	3,258,583	3,258,583
9	Less: Accumulated Depreciation	837,147	891,979	947,171	942,012	996,237	1,050,548	1,104,859	1,159,170	1,213,481	1,267,792	1,322,103	1,376,414	1,430,725	1,430,725
10	Net Investment	2,452,718	2,419,497	2,364,305	2,311,442	2,262,347	2,208,036	2,153,725	2,099,414	2,045,103	1,990,792	1,936,481	1,882,170	1,827,859	1,827,859
11	Average Investment		2,436,107	2,391,901	2,337,874	2,286,894	2,235,191	2,180,880	2,126,569	2,072,258	2,017,947	1,963,636	1,909,325	1,855,014	
12	Return on Average Investment		16,361	16,064	15,701	15,359	15,012	14,646	14,282	13,917	13,552	13,188	12,823	12,458	173,363
13															
14	Program Total		\$71,193	\$71,256	\$70,395	\$69,584	\$69,323	\$68,957	\$68,593	\$68,228	\$67,863	\$67,499	\$67,134	\$66,769	\$826,794

Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Act Jan-24	Act Feb-24	Act Mar-24	Act Apr-24	Act May-24	Act Jun-24	Est Jul-24	Est Aug-24	Est Sep-24	Est Oct-24	Est Nov-24	Est Dec-24	Total
15	Residential Load Management Switches (D)														
16	Investments		\$650,219	\$349,401	\$276,238	\$608,894	\$236,718	\$280,703	\$500,000	\$200,000	\$200,000	\$500,000	\$200,000	\$200,000	\$4,202,174
17	Retirements		178,951	622,915	525,268	796,512	1,038,044	517,329	897,303	405,542	324,165	1,101,633	626,524	630,719	7,664,905
18	Closings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
19	Amortization Base		19,922,273	20,171,559	19,946,869	19,562,217	19,253,833	18,712,865	18,286,252	18,134,830	17,969,976	17,457,077	17,092,998	16,664,377	
20															
21	Amortization Expense		332,045	336,199	332,454	326,043	320,904	311,887	304,777	302,253	299,506	290,957	284,889	277,745	3,719,659
22															
23	Cumulative Investment	20,011,748	20,483,017	20,209,503	19,960,473	19,772,854	18,971,529	18,734,903	18,337,601	18,132,059	18,007,893	17,406,260	16,979,736	16,549,017	16,549,017
24	Less: Accumulated Amortization	11,035,928	11,189,022	10,902,306	10,709,492	10,239,023	9,521,884	9,316,442	8,723,916	8,620,627	8,595,968	7,785,291	7,443,657	7,090,682	7,090,682
25	Net Investment	8,975,820	9,293,994	9,307,197	9,250,981	9,533,831	9,449,645	9,418,462	9,613,685	9,511,432	9,411,926	9,620,969	9,536,080	9,458,335	9,458,335
26	Average Investment		9,134,907	9,300,595	9,279,089	9,392,406	9,491,738	9,434,053	9,516,073	9,562,558	9,461,679	9,516,447	9,578,524	9,497,207	
27	Return on Average Investment		61,350	62,463	62,319	63,080	63,746	63,359	63,910	64,222	63,545	63,912	64,329	63,783	760,018
28															
29	Program Total		\$393,395	\$398,662	\$394,773	\$389,123	\$384,650	\$375,246	\$368,687	\$366,475	\$363,051	\$354,869	\$349,218	\$341,528	\$4,479,677

Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Act Jan-24	Act Feb-24	Act Mar-24	Act Apr-24	Act May-24	Act Jun-24	Est Jul-24	Est Aug-24	Est Sep-24	Est Oct-24	Est Nov-24	Est Dec-24	Total
30	Load Management Software (D)														
31	Expenditures Booked Directly to Plant		\$0	\$2,450,014	\$0	\$0	\$30,001	\$0	\$0	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$3,480,014
32	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
33	Investments Booked to CWIP		47,073	0	0	0	0	0	0	0	0	0	0	0	0
34	Closings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
35	Amortization Base		0	0	2,450,014	2,450,014	2,450,014	2,480,014	2,480,014	2,480,014	2,680,014	2,880,014	3,080,014	3,280,014	
36															
37	Amortization Expense		0	0	40,834	40,834	40,834	41,334	41,334	41,334	44,668	48,001	51,335	54,668	445,176
38															
39	Cumulative Plant Investment	0	0	2,450,014	2,450,014	2,450,014	2,480,014	2,480,014	2,480,014	2,680,014	2,880,014	3,080,014	3,280,014	3,480,014	3,480,014
40	Less: Accumulated Amortization	0	0	0	40,834	81,668	122,502	163,836	205,170	246,504	291,172	339,173	390,508	445,176	445,176
41	Cumulative CWIP Investment	2,399,502	2,446,574	0	0	0	0	0	0	0	0	0	0	0	0
42	Net Plant Investment	2,399,502	2,446,574	2,450,014	2,409,180	2,368,346	2,357,512	2,316,178	2,274,844	2,433,510	2,588,842	2,740,841	2,889,506	3,034,838	3,034,838
43	Average Investment		2,423,038	2,448,294	2,429,597	2,388,763	2,362,929	2,336,845	2,295,511	2,354,177	2,511,176	2,664,842	2,815,174	2,962,172	
44	Return on Average Investment		16,273	16,443	16,317	16,043	15,870	15,694	15,416	15,811	16,865	17,897	18,907	19,894	201,430
45															
46	Program Total		\$16,273	\$16,443	\$57,151	\$56,877	\$56,704	\$57,028	\$56,750	\$57,145	\$61,533	\$65,898	\$70,242	\$74,562	\$646,606

47	Demand & Energy Summary														
48	Energy		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
49	Demand		480,861	486,361	522,319	515,584	510,677	501,231	494,030	491,848	492,447	488,266	486,594	482,859	\$5,953,077
50	Total Depreciation & Return		\$480,861	\$486,361	\$522,319	\$515,584	\$510,677	\$501,231	\$494,030	\$491,848	\$492,447	\$488,266	\$486,594	\$482,859	\$5,953,077

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Calculation of Interest Provision
January 2024 - December 2024

FPSC Docket No. 20240002-EG
Duke Energy Florida, LLC
Witness: Karla Rodriguez
Exhibit No. (KR-1P)
Schedule C-3
Page 4 of 5

Line No.	Act Jan-24	Act Feb-24	Act Mar-24	Act Apr-24	Act May-24	Act Jun-24	Est Jul-24	Est Aug-24	Est Sep-24	Est Oct-24	Est Nov-24	Est Dec-24	Total
1 Beginning True-Up Amount (C3, Page 6 of 6, Line 8)	(\$9,254,377)	(\$7,564,370)	(\$5,990,679)	(\$5,002,103)	(\$4,540,819)	(\$4,851,141)	(\$6,271,312)	(\$8,609,112)	(\$11,283,593)	(\$13,965,757)	(\$14,875,325)	(\$14,175,976)	
2 Ending True-Up Amount Before Interest (C3, Page 6 of 6, Lines 5, 7, 8, 9)	(7,527,171)	(5,960,783)	(4,977,835)	(4,519,732)	(4,830,446)	(6,246,689)	(8,576,015)	(11,239,347)	(13,909,597)	(14,811,176)	(14,111,360)	(13,104,756)	
3 Total Beginning & Ending True-Up (Line 1 + Line 2)	<u>(16,781,547)</u>	<u>(13,525,153)</u>	<u>(10,968,514)</u>	<u>(9,521,834)</u>	<u>(9,371,265)</u>	<u>(11,097,830)</u>	<u>(14,847,327)</u>	<u>(19,848,459)</u>	<u>(25,193,190)</u>	<u>(28,776,933)</u>	<u>(28,986,684)</u>	<u>(27,280,732)</u>	
4 Average True-Up Amount (50% of Line 3)	<u>(8,390,774)</u>	<u>(6,762,576)</u>	<u>(5,484,257)</u>	<u>(4,760,917)</u>	<u>(4,685,632)</u>	<u>(5,548,915)</u>	<u>(7,423,663)</u>	<u>(9,924,229)</u>	<u>(12,596,595)</u>	<u>(14,388,466)</u>	<u>(14,493,342)</u>	<u>(13,640,366)</u>	
5 Interest Rate: First Day Reporting Business 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%	5.35%
6 Interest Rate: First Day Subsequent Business 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%	5.35%
7 Total (Line 5 & Line 6) (Line 5 + Line 6)	<u>10.64%</u>	<u>10.61%</u>	<u>10.62%</u>	<u>10.63%</u>	<u>10.60%</u>	<u>10.65%</u>	<u>10.70%</u>	<u>10.70%</u>	<u>10.70%</u>	<u>10.70%</u>	<u>10.70%</u>	<u>10.70%</u>	<u>10.70%</u>
8 Average Interest Rate (50% of Line 7)	<u>5.320%</u>	<u>5.305%</u>	<u>5.310%</u>	<u>5.315%</u>	<u>5.300%</u>	<u>5.325%</u>	<u>5.350%</u>	<u>5.350%</u>	<u>5.350%</u>	<u>5.350%</u>	<u>5.350%</u>	<u>5.350%</u>	<u>5.350%</u>
9 Interest Provision (Line 4 * Line 8) / 12	<u>(\$37,199)</u>	<u>(\$29,896)</u>	<u>(\$24,268)</u>	<u>(\$21,087)</u>	<u>(\$20,695)</u>	<u>(\$24,623)</u>	<u>(\$33,097)</u>	<u>(\$44,246)</u>	<u>(\$56,160)</u>	<u>(\$64,149)</u>	<u>(\$64,616)</u>	<u>(\$60,813)</u>	<u>(\$480,849)</u>

**Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Energy Conservation Adjustment
Calculation of True-Up
January 2024 - December 2024**

**FPSC Docket No. 20240002-EG
Duke Energy Florida, LLC
Witness: Karla Rodriguez
Exhibit No.(KR-1P)
Schedule C-3
Page 5 of 5**

Line No.	Act Jan-24	Act Feb-24	Act Mar-24	Act Apr-24	Act May-24	Act Jun-24	Est Jul-24	Est Aug-24	Est Sep-24	Est Oct-24	Est Nov-24	Est Dec-24	Total	
1	ECCR Revenues	\$8,469,649	\$8,168,314	\$7,825,088	\$8,047,136	\$9,892,964	\$11,492,043	\$11,945,808	\$12,269,159	\$12,265,527	\$10,480,760	\$8,869,705	\$8,558,715	\$118,284,867
2	Prior Period True-Up Over/(Under) Recovery	771,198	771,198	771,198	771,198	771,198	771,198	771,198	771,198	771,198	771,198	771,198	771,198	9,254,377
3	ECCR Revenues Applicable to Period	9,240,847	8,939,512	8,596,286	8,818,334	10,664,162	12,263,241	12,717,006	13,040,357	13,036,725	11,251,958	9,640,903	9,329,913	127,539,243
4	ECCR Expenses	10,196,855	9,771,901	8,837,932	8,529,507	9,603,336	10,096,495	9,641,106	9,638,924	9,639,523	9,635,342	9,633,670	9,629,935	114,854,523
5	True-Up This Period (Over)/Under Recovery	956,008	832,389	241,646	(288,827)	(1,060,826)	(2,166,746)	(3,075,901)	(3,401,433)	(3,397,202)	(1,616,617)	(7,233)	300,021	(12,684,721)
6	Current Period Interest	(37,199)	(29,896)	(24,268)	(21,087)	(20,695)	(24,623)	(33,097)	(44,246)	(56,160)	(64,149)	(64,616)	(60,813)	(480,849)
7	Adjustments	0	0	0	0	0	0	0	0	0	0	0	0	0
8	True-Up & Interest Provision Beginning of Period	(9,254,377)	(7,564,370)	(5,990,679)	(5,002,103)	(4,540,819)	(4,851,141)	(6,271,312)	(8,609,112)	(11,283,593)	(13,965,757)	(14,875,325)	(14,175,976)	(9,254,377)
9	Prior Period True-Up Over/(Under) Recovery	771,198	771,198	771,198	771,198	771,198	771,198	771,198	771,198	771,198	771,198	771,198	771,198	9,254,377
10	End of Period Net True-Up	<u>(\$7,564,370)</u>	<u>(\$5,990,679)</u>	<u>(\$5,002,103)</u>	<u>(\$4,540,819)</u>	<u>(\$4,851,141)</u>	<u>(\$6,271,312)</u>	<u>(\$8,609,112)</u>	<u>(\$11,283,593)</u>	<u>(\$13,965,757)</u>	<u>(\$14,875,325)</u>	<u>(\$14,175,976)</u>	<u>(\$13,165,569)</u>	<u>(\$13,165,569)</u>

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Calculation of ECCR Revenues
January 2025 - December 2025

Line No.	Month	Jurisdictional mWh Sales	Revenues
1	January	3,120,785	\$9,247,741
2	February	2,991,269	8,794,929
3	March	2,928,909	8,527,448
4	April	2,912,434	8,302,809
5	May	3,170,148	9,107,584
6	June	3,826,807	11,110,034
7	July	4,028,082	11,728,603
8	August	4,128,167	12,057,672
9	September	4,149,336	12,062,001
10	October	3,572,608	10,301,512
11	November	3,066,494	8,723,793
12	December	2,922,187	8,424,647
13	Total	40,817,228	\$118,388,772

Program Description and Progress

Program Title: Home Energy Check

Program Description: The Home Energy Check is a residential energy audit program that provides residential customers with an analysis of their energy consumption as well as educational information on how to reduce energy usage and save money. The audit provides the opportunity to inform customers about incentives and bill savings that may be available through DEF's energy efficiency and demand response programs, while also educating and encouraging customers to implement energy-saving practices.

Program Projections - January 2025 - December 2025: DEF estimates that 25,000 customers will participate in this program during the projection period. In addition, Assistance Kits will be available for up to 20,000 qualifying low-income customers through this program.

Program Fiscal Costs - January 2025 - December 2025: Costs for this program are projected to be \$4,732,797.

Program Progress Summary: As of June 30, 2024, 17,033 customers have participated in this program this year. DEF will continue to inform customers about cost effective energy efficiency measures that will provide savings through this Program.

Program Description and Progress

Program Title: Residential Incentive Program

Program Description: The Residential Incentive Program provides to residential customers that have participated in the Home Energy Check Program with incentives for energy efficiency improvements in existing homes. The Residential Incentive Program includes incentives for measures such as duct testing, duct repair, attic insulation, replacement windows, high efficiency heat pump replacing resistance heat, and high efficiency heat pump replacing a heat pump.

Program Projections - January 2025 - December 2025: DEF estimates that 14,379 completions will be performed through this program during the projection period.

Program Fiscal Costs - January 2025 - December 2025: Costs for this program are projected to be \$7,705,236 and include the Multi-Family New Builder Construction Program.

Program Progress Summary: As of June 30, 2024, DEF has provided incentives to customers for a total of 5,328 measure installations.

Program Description and Progress

Program Title: Neighborhood Energy Saver Program

Program Description: The Neighborhood Energy Saver Program is designed to assist customers in selected neighborhoods where approximately 50% of the households have incomes equal to or less than 200% of the poverty level as established by the U.S. Government. DEF or a third-party contractor directly installs energy conservation measures, identified through an energy assessment, in customer homes to increase energy efficiency. Customers also receive a comprehensive package of energy efficiency education materials which inform them on ways to better manage their energy usage. The energy conservation measures are installed, and energy efficiency education is provided at no cost to the participants.

Program Projections - January 2025 - December 2025: DEF's projections assume that energy conservation measures will be installed in 5,775 homes. Consistent with terms of the Memo of Understanding included in DEF's 2021 Rate Settlement Agreement (see Order No. PSC-2021-0202-AS-EI), the projection includes the targeted increase of 5% or 250 homes above the projected participation included in DEF's 2020 Program Plan.

Program Fiscal Costs for January 2025 - December 2025: Costs for this program are projected to be \$5,025,032.

Program Progress Summary: As of June 30, 2024, DEF has installed measures on 3,022 homes.

Program Description and Progress

Program Title: Low-Income Weatherization Assistance Program

Program Description: The Low-Income Weatherization Assistance Program is designed to integrate DEF's program measures with assistance provided by the Florida Department of Economic Opportunity (DEO) and local weatherization providers to deliver energy efficiency measures to low-income eligible families. Through this partnership, DEF assists local weatherization agencies and other non-profit or government agencies by providing energy education materials and financial incentives to weatherize the homes of low-income families.

Program Projections - January 2025 - December 2025: It is estimated that energy efficiency weatherization measures will be installed on approximately 240 residential homes.

Program Fiscal Costs - January 2025 - December 2025: Costs for this program are projected to be \$428,770.

Program Progress Summary: As of June 30, 2024, measures have been installed on 144 homes through this program. DEF continues to work to engage with the weatherization agencies and recently added Pinellas County Housing Authority to the list of agencies participating in the program.

Program Description and Progress

Program Title: Load Management Program (Residential & Commercial)

Program Description: The Residential Load Management Program (a/k/a EnergyWise) is a voluntary program that incorporates direct control of selected customer equipment to reduce system demand during winter and summer peak capacity periods and/or emergency conditions by temporarily interrupting selected customer appliances for specified periods of time. Residential customers have a choice of options and receive a credit on their monthly electric bills depending on the load control options selected and their monthly kWh usage.

The Commercial program was closed to new participants as of July 20, 2000.

Program Projections - January 2025 - December 2025: During this period, DEF anticipates adding approximately 2,500 new participants to this program.

Program Fiscal Costs - January 2025 - December 2025: Program costs during this period are projected to be \$41,052,036.

Program Progress Summary: Through June 30, 2024, DEF added a total of 1,433 new participants to this program. In 2025 DEF plans to continue to implement a demand response switch upgrade and replacement program to reconnect, replace and install new equipment to maintain long-term program capabilities.

Program Description and Progress

Program Title: Business Energy Check Program

Program Description: The Business Energy Check Program provides no-cost energy audits at non-residential facilities. This program acts as a motivational tool to identify, evaluate, and inform consumers about cost-effective, energy saving measures that can be installed at their facility. The Business Energy Check Program serves as the foundation for the Better Business Program.

Program Projections - January 2025 - December 2025: It is estimated that 400 customers will participate in this program during the projection period.

Program Fiscal Costs - January 2025 - December 2025: Costs for this program are projected to be \$623,019.

Program Progress Summary: As of June 30, 2024, DEF has performed a total of 198 commercial audits.

Program Description and Progress

Program Title: Smart \$aver Business Program

Program Description: This umbrella efficiency program provides prescriptive incentives to existing commercial, industrial, and governmental customers for heating, air conditioning, ceiling insulation, duct leakage and repair, demand-control ventilation, high efficiency energy recovery ventilation and HVAC-optimization-qualifying measures.

Program Projections - January 2025 - December 2025: DEF's 2025 projected costs are based on the measures and projected participation included in the 2025 Program Plan and include approximately \$577,007 in incentives to customers.

Program Fiscal Costs - January 2025 - December 2025: Costs for this program are projected to be \$1,810,793.

Program Progress Summary: As of June 30, 2024, DEF has provided \$400,000 in incentives to 390 customers through this program and expects to provide an additional \$290,000 through year-end.

Program Description and Progress

Program Title: Smart \$aver Custom Incentive Program (f/k/a Florida Custom Incentive Program)

Program Description: The Smart \$aver Custom Incentive Program is designed to encourage non-residential customers to make capital investments for energy efficiency measures which reduce peak KW and provide energy savings. This program provides incentives for individual custom projects, which are cost effective, but not otherwise addressed through DEF's prescriptive program. Examples of energy-efficient technologies that would be considered under this program include, but are not limited to, new construction measures and new thermal energy storage systems.

Program Projections - January 2025 - December 2025: DEF estimates that 50 customers will participate in the program during the projection period.

Program Fiscal Costs - January 2025 - December 2025: Costs for this program are projected to be \$606,385.

Program Progress Summary: As of June 30, 2024, no customers have participated in this program. However, continued evaluation of measures is taking place for participation.

Program Description and Progress

Program Title: Standby Generation

Program Description: The Standby Generation Program is a demand control program that is designed to reduce DEF's system demand based on control of customer equipment. It is a voluntary program available to commercial and industrial customers who have on-site generation capability and are willing to reduce their DEF demand when necessary. This program is offered to customers through DEF's General Service Load Management-2 (GSLM-2) rate schedule.

Program Projections - January 2025 - December 2025: DEF estimates that 10 new installations will be completed during the projection period.

Program Fiscal Costs - January 2025 - December 2025: Expenses for this program are projected to be \$7,364,348.

Program Progress Summary: As of June 30, 2024, there are currently a total of 189 accounts participating in this program.

Program Description and Progress

Program Title: Interruptible Service

Program Description: Interruptible Service is a direct load control DSM program in which customers contract to allow DEF to interrupt their electrical service during times of capacity shortages during peak or emergency conditions. In return, customers receive a monthly credit on their bill based on their monthly peak demand.

Program Projections - January 2025 - December 2025: 3 new accounts are estimated to sign up for this program during the projection period.

Program Fiscal Costs - January 2025 - December 2025: Costs for this program are projected to be \$55,220,937.

Program Progress Summary: As of June 30, 2024, there are currently a total of 175 accounts participating in this program.

Program Description and Progress

Program Title: Curtailable Service

Program Description: Curtailable Service is an indirect load control DSM program in which customers contract to curtail or reduce a portion of their electric load during times of capacity shortages. The curtailment is managed by the customer when notified by DEF. In return, customers receive a monthly rebate for the curtailable portion of their load.

Program Projections - January 2025 - December 2025: DEF is projecting to add 1 new participant during the projection period.

Program Fiscal Costs - January 2025 - December 2025: Costs for this program are projected to be \$3,142,977.

Program Progress Summary: As of June 30, 2024, there are 3 customers participating in this program.

Program Description and Progress

Program Title: Technology Development

Program Description: The Technology Development Program allows DEF to investigate technologies that support the development of cost-effective demand reduction and energy efficiency programs.

Program Projections - January 2025 - December 2025: DEF has partnered with various research organizations including, the University of South Florida (USF), the University of Central Florida (UCF) and the Electric Power Research Institute (EPRI) to evaluate energy efficiency, energy storage, demand response, and smart-charging technologies. Several research projects associated with these four focus areas will continue and/or launch in 2025:

- Advanced Indirect Evaporative Cooling Air Conditioning Project
- Vehicle to Grid Pilot
- UCF Long Duration Energy Storage
- USF Renewable Energy Storage System
- EPRI Solar PV Evaluation Project
- EVSE Monitoring and Control Platform Pilot
- USF Renewable Energy Storage
- Smart Charging for Electric Transportation
- UCF Research 1 Renewable Microgrid Evaluation
- EPRI programs (energy efficiency, energy storage, integration of renewable resources, electric transportation infrastructure)

Program Fiscal Costs - January 2025 - December 2025: Costs for this program are projected to be \$800,000.

Program Progress Summary: The following provides a summary of projects that DEF is currently supporting through this program:

- **Advanced Indirect Evaporative Cooling Air Conditioning Project:** This project will evaluate the energy efficiency and demand response capability of an energy storing, ultra—efficient, commercial packaged air conditioner technology that combines dew-point-style sensible cooling with liquid desiccant dehumidification. This technology implements indirect evaporative cooling using a liquid desiccant. This desiccant can be recharged and stored in a tank for use later. This stored energy can be used to

Program Description and Progress

make the peak power consumption extremely low. We are piloting this technology compared to standard packaged units at a volunteer customer site. The energy consumption of this technology will be documented. If the testing is successful, this technology could be included in future EE and DR programs.

- **Vehicle to Grid Pilot:** This project will evaluate the demand response capability of the Ford Lightning Electric Pickup Truck in a Vehicle-to-Grid (V2G) configuration. The pilot will consist of lab testing of the vehicle, electric vehicle charger and home integration system. We will also test the system in four employee volunteer DEF customer homes. This project will focus on the capabilities of the Ford Lightning EV to provide V2G demand response, Vehicle-to-Home backup power and EV charging control. These systems could be a valuable future potential resource as a component of DEF's DR Portfolio.
- **UCF Long-Duration Energy Storage Project:** This project with the University of Central Florida (UCF) will document the value of long-duration customer-side energy storage systems. This project is using the technology at UCF's Microgrid Control lab to directly test a long-duration energy storage system. Use cases to be investigated include study of battery performance during charging and discharging, documenting the effects of cycling on battery performance (battery degradation, efficiency, etc.), optimal operation of a battery energy storage system in a distribution system with high penetration of solar energy, control of behind-the-meter distributed energy storage resources to provide services including, peak capacity management, demand response (consuming or generating), frequency regulation, ramping capability and voltage management.
- **USF Renewable Energy Storage System:** This project with the University of South Florida (USF) will leverage customer-sited solar PV and energy storage at the USF 5th Avenue Garage Microgrid. The system provides load smoothing, islanding, and demand response. A publicly available dashboard that shows live data, project specific facts and the capability of downloading data for further study is available for the site at <https://dashboards.epri.com/duke-usfsp-parking>. Results of this research may be used for design of a potential cost-effective, DR program. USF continued its research on the microgrid operation.
- **EPRI Solar PV Evaluation Project:** This project is utilizing the Electric Power Research Institute (EPRI) Solar DPV project for data collection to document customer

Program Description and Progress

solar resources with a focus on larger PV arrays with and without energy storage. This project also provides the data stream for the dashboard mentioned above.

- **EVSE Monitoring and Control Platform Pilot:** This project will develop and test a EVSE monitoring and control platform. This platform is comprised of hardware, firmware, and central management system software. It will enable DEF to remotely monitor and manage electric vehicle chargers. The platform will allow us to control the large loads associated with private and public EVSEs during peak demand periods. It will also monitor EVSE for functionality and increase the availability of operational EVSE through remote reset and reporting disabled equipment for repair.
- **UCF Research 1 Renewable Microgrid Evaluation:** This project will evaluate the performance and operation of the microgrid at the UCF Research 1 building. The microgrid will include two linear generators that will operate on a renewable fuel blend. It will also include solar PV generation and battery energy storage. The evaluation will include fuel efficiency, emissions, power output and power quality for both interconnected and islanded operation. This technology could become a part of future renewable generation and distributed energy resources programs.
- **Research programs (energy efficiency, energy storage, integration of renewable resources, electric transportation infrastructure):** We will partner with EPRI and other research organizations to evaluate EE, energy storage, and alternative energy/innovative technologies.

Program Description and Progress

Program Title: Qualifying Facility

Program Description: This program supports the costs to administer and facilitate the interconnection and purchase of as-available energy and firm energy and capacity from qualifying facilities (QFs), including those that utilize renewable sources and distributed energy resources.

Program Projections - January 2025 - December 2025: DEF, on behalf of its customers, will continue to engage with interested parties wanting to provide cogeneration, renewable, or distributed resource, (DR) power to DEF. Discussions are expected to include potential projects, designs, commitments, grid access, and the Florida Public Service Commission's QF rules with renewable, energy storage, and combined heat and power parties. DEF expects most parties to explore renewable small power production and options to engage with DEF as the technologies advance, markets and incentives remain in place, technology costs decline, technology accessibility becomes common, and natural gas prices remain volatile or increase. DEF expects that the number of potential QFs that engage the company will remain steady for 2025 due to federal clean energy subsidies under the Inflation Reduction Act; therefore, DEF requires planning, forecasting, screening techniques and robust QF/DR business practices and policies as the size and number of QFs and DRs continues to evolve. For example, DEF will engage in continued research and analytics to support grid interconnections, good faith and non-discriminatory contract negotiations, system impact studies and thorough state jurisdictional interconnection processes. DEF will attempt to monitor the existing potential QFs under development inside DEF's balancing authority for: land control, permitting, interconnection and/or transmission study progress, construction, financing, insurance, and performance. DEF will continue to prudently administer all executed and in-service QF contracts for compliance and defend, on behalf of its customers, against all disputes or claims originating from QFs/DRs. Finally, DEF will unwind, coordinate, and engage with existing waste-to-energy and natural gas-fired cogeneration QFs, since these contracts will be expiring at the end of 2024 and throughout 2025.

Program Fiscal Costs - January 2025 - December 2025: Costs for this program are projected to be \$879,245.

Program Progress Summary: For 2024, DEF has approximately 412 MW under firm wholesale purchase contracts from in-service QFs and 5 non-firm as-available energy QF contracts. The total firm capacity from cogeneration facilities is 334 MW and the total firm capacity from renewable facilities is 78 MW. Approximately 42 MW of renewables, on average are delivering energy to the company under DEF's non-firm As-Available/COG-

Program Description and Progress

1 tariff contract. DEF is preparing for the expiration of the first of three firm wholesale purchase contracts from an in-service cogeneration QF totaling 115 MW in early August 2024. One waste-to-energy QF that has an existing firm contract in place with DEF has re-signed to deliver non-firm energy to DEF under its As-Available/COG-1 tariff contract starting on January 1, 2025. DEF continues to monitor the potential COG-1 renewable QFs that are under development in its balancing authority. DEF is managing about 4,000 MW as of June 2024 of renewables/distributed energy resources in its state and FERC jurisdictional generation interconnection queues. Further, DEF continues to prudently administer all in-service QF contracts for compliance and potential new contract negotiations underpinned by DEF's most current full avoided cost, on behalf of its customers.

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
January 2024 - December 2024
Budget Capital Structure and Cost Rates

FPSC Docket No. 20240002-EG
Duke Energy Florida, LLC
Witness: Karla Rodriguez
Exhibit No. (KR-1P)
Schedule C-6
Page 1 of 2

	(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	ITC	Weighted ITC	After Gross-up	
9	Common Equity	8,799,435	53%	10.1%	5.35%	71.1%	0.08%	0.0568%	0.076%
10	Preferred Equity	-	0%				0.08%	0.0000%	0.000%
11	Long Term Debt	7,824,944	47%	4.63%	2.18%	28.9%	0.08%	0.0232%	0.023%
12		16,624,379	100%		7.52%			0.0800%	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

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
January 2025 - December 2025
Projected Capital Structure and Cost Rates

FPSC Docket No. 20240002-EG
Duke Energy Florida, LLC
Witness: Karla Rodriguez
Exhibit No.(KR-1P)
Schedule C-6
Page 2 of 2

	(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	\$ 8,996,015	45.57%	10.30%	4.69%	6.29%	0.5242%
2 Long Term Debt	8,022,869	40.64%	4.49%	1.82%	1.82%	0.1520%
3 Short Term Debt	(38,461)	-0.19%	3.25%	-0.01%	-0.01%	-0.0005%
4 Cust Dep Active	150,303	0.76%	2.61%	0.02%	0.02%	0.0017%
5 Cust Dep Inactive	1,444	0.01%			0.00%	0.0000%
6 Invest Tax Cr	197,136	1.00%	7.56%	0.08%	0.10%	0.0083%
7 Deferred Inc Tax	2,411,191	12.21%			0.00%	0.0000%
8 Total	\$ 19,740,497	100.00%		6.61%	8.23%	0.6857%

	ITC split between Debt and Equity**:	Ratio	Cost Rate	Ratio	Ratio	ITC	Weighted ITC	After Gross-up	
9	Common Equity	8,996,015	53%	10.3%	5.44%	72.0%	0.08%	0.0576%	0.077%
10	Preferred Equity	-	0%				0.08%	0.0000%	0.000%
11	Long Term Debt	8,022,869	47%	4.49%	2.12%	28.0%	0.08%	0.0224%	0.022%
12	ITC Cost Rate	17,018,884	100%		7.56%			0.0800%	0.100%

<u>Breakdown of Revenue Requirement Rate of Return between Debt and Equity:</u>		
13	Total Equity Component (Lines 1 and 9)	6.367%
14	Total Debt Component (Lines 2, 3 , 4 , and 11)	1.860%
15	Total Revenue Requirement Rate of Return	8.227%

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 Docket No. 20240025 - Petition for Rate Increase by Duke Energy Florida, LLC - Joint Motion for Approval of Settlement Agreement filed 7/15/24.
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