



Stephanie A. Cuello
SENIOR COUNSEL

August 4, 2023

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. 20230002-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 No. ___(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. 20230002-EG

Filed: August 4, 2023

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 2024 THROUGH DECEMBER 2024

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 2024 through December 2024. In support thereof, the Company states:

1. DEF projects total conservation program costs of \$122,129,669 for the period January 2024 through December 2024.
2. The net true-up is an over-recovery of \$5,554,754, which includes the final conservation over-recovery of \$862,479, for the period January 2022 through December 2022, as shown on DEF’s schedule CT-1 filed May 2, 2023, and the actual/estimated true-up over-recovery for January 2023 through December 2023 of \$4,692,275.
3. The total recoverable conservation costs including prior period over-recoveries to be reimbursed during the January 2024 through December 2024 billing period are \$116,574,915.
4. Based upon the required true-up and projected expenditures, DEF has calculated the required conservation cost recovery factors for the period January 2024 through December 2024 as follows:

2024 ECCR Billing Factors

<u>Retail Rate Schedule</u>	<u>Secondary Voltage</u>	<u>Primary Voltage</u>	<u>Transmission Voltage</u>
Residential (Cents/kWh)	.330	N/A	N/A
General-Service-Non-Demand (Cents/kWh)	.290	.287	.284
General Service 100% Load Factor (Cents/kWh)	.227	N/A	N/A
General Service Demand (\$/kW)	.93	.92	.91
Curtaillable (\$/kW)	.79	.78	.77
Interruptible (\$/kW)	.76	.75	.74
Standby Monthly (\$/kW)	.090	.089	.088
Standby Daily (\$/kW)	.043	.043	.042
Lighting (Cents/kWh)	.117	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 2024 through December 2024 billing period.

RESPECTFULLY SUBMITTED this 4th day of August, 2023.

/s/Stephanie A. Cuello

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CERTIFICATE OF SERVICE

Docket No. 20230002-EG

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished via electronic mail to the following this 4th day of August, 2023.

/s/ Stephanie A. Cuello

Attorney

<p>Jacob Imig Timothy Sparks Office of General Counsel Florida Public Service Commission 2540 Shumard Oak Blvd. Tallahassee, FL 32399-0850 jimig@psc.state.fl.us tsparks@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 W. Baker PCS Phosphate 1025 Thomas Jefferson Street, N.W. Eighth Floor, West Tower Washington, D.C. 20007 jbrew@smxblaw.com lwb@smxblaw.com</p> <p>Peter J. Mattheis / Michael K. Lavanga / Joseph R. Briscar Nucor c/o Stone Mattheis Xenopoulos & Brew, PC 1025 Thomas Jefferson St., NW, Ste. 800 West Washington DC 20007 pjm@smxblaw.com jrb@smxblaw.com mkl@smxblaw.com</p>	<p>M. Wessling / C. Rehwinkel / P. Christensen Office of Public Counsel 111 West Madison Street, Room 812 Tallahassee, FL 32399-1400 wessling.mary@leg.state.fl.us christensen.patty@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 FPUC 215 South Monroe Street, Suite 601 Tallahassee, FL 32301 bkeating@gunster.com</p> <p>Mike Cassel / Derrick Craig Florida Public Utilities Company 208 Wildlight Avenue Yulee, FL 32097 mcassel@fpuc.com 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>Paula K. Brown Tampa Electric Company P.O. Box 111 Tampa, FL 33601 regdept@tecoenergy.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. 20230002-EG**

7 **August 4, 2023**

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 2024 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

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- Qualifying Facility

Q. Do you have any exhibits to your testimony?

A. Yes. Exhibit No._(KR-1P) supports DEF’s energy conservation calculations for the 2023 actual/estimated period and the 2024 projection period. There are six (6) schedules included in this exhibit.

Q. Will you please explain your exhibit?

A. Yes. Exhibit No._(KR-1P) presents Schedules C-1 through C-6. Schedules C-1 to C-4 provide projected program costs for calendar year 2024 along with an updated projection of program costs for 2023. The 2023 updated projection of costs includes the actual costs incurred for the period from January 2023 through June 2023 and forecasted costs for July through December 2023. Schedule C-5 provides a summary report for each program that includes a program description, estimated annual program expenditures for 2024, and a summary of program accomplishments through the period ending June 2023. 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 2024 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 2024 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 2023 (actual) and July
11 through December 2023 (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 2023
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 2024 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 2024 projected program costs of
7 \$122,129,669 plus a prior period over-recovery of \$ 5,554,754 resulting in estimated net
8 revenue requirements in 2024 of \$116,574,915. The following table includes DEF's
9 proposed ECCR billing factors, by retail rate class and voltage level for calendar year
10 2024, as contained in Schedule C-1, Page 2 of 2.

11
12 **2024 ECCR Billing Factors**

	Secondary	Primary	Transmission
<u>Retail Rate Schedule</u>	<u>Voltage</u>	<u>Voltage</u>	<u>Voltage</u>
15 Residential (Cents/kWh)	.330	N/A	N/A
16 General-Service-Non-Demand (Cents/kWh)	.290	.287	.284
17 General Service 100% Load Factor (Cents/kWh)	.227	N/A	N/A
18 General Service Demand (\$/kW)	.93	.92	.91
19 Curtailable (\$/kW)	.79	.78	.77
20 Interruptible (\$/kW)	.76	.75	.74
21 Standby Monthly (\$/kW)	.090	.089	.088
22 Standby Daily (\$/kW)	.043	.043	.042
23 Lighting (Cents/kWh)	.117	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 2024 - December 2024

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, RSS-1 Secondary	0.534	20,955,189	4,465.4	0.9500866	22,056,083	4,700.0	2,510.94	53.075%	62.948%	60.480%
General Service Non-Demand										
GS-1, GST-1										
Secondary	0.651	2,158,371	377.2	0.9500866	2,271,762	397.1	258.6	5.467%	5.318%	5.355%
Primary	0.651	26,874	4.7	0.9752373	27,557	4.8	3.1	0.066%	0.065%	0.065%
Sec Del/Primary Mtr	0.651	0	0.0	0.9752373	0	0.0	0.000%	0.000%	0.000%	0.000%
Transmission	0.651	3,183	0.6	0.9858571	3,229	0.6	0.4	0.008%	0.008%	0.008%
		<u>2,188,428</u>	<u>382.5</u>		<u>2,302,548</u>	<u>402.4</u>	<u>262.1</u>	<u>5.541%</u>	<u>5.390%</u>	<u>5.428%</u>
General Service										
GS-2 Secondary	1.000	208,022	23.68	0.9500866	218,950	24.9	24.9	0.527%	0.334%	0.382%
General Service Demand										
GSD-1, GSDT-1										
Secondary	0.777	10,868,384	1,592.5	0.9500866	11,439,361	1,676.1	1,302.3	27.527%	22.449%	23.719%
Primary	0.777	1,745,199	255.7	0.9752373	1,789,512	262.2	203.7	4.306%	3.512%	3.710%
Sec Del/Primary Mtr	0.777	0	0.0	0.9752373	0	0.0	0.0	0.000%	0.000%	0.000%
Primary Del/Secondary Mtr	0.777	4,243	0.6	0.9752373	0	0.0	0.0	0.000%	0.000%	0.000%
Transm Del/ Primary Mtr	0.777	0	0.0	0.9752373	0	0.0	0.0	0.000%	0.000%	0.000%
Transmission	0.777	480,935	70.5	0.9852373	488,142	71.5	55.6	1.175%	0.958%	1.012%
SS-1 Primary	0.985	55,818	6.4	0.9752373	57,235	6.6	6.5	0.138%	0.089%	0.101%
Transm Del/ Transm Mtr	0.985	5,650	0.7	0.9858571	5,731	0.7	0.7	0.014%	0.009%	0.010%
Transm Del/ Primary Mtr	0.985	2,870	0.3	0.9752373	2,943	0.3	0.3	0.007%	0.005%	0.005%
		<u>13,163,099</u>	<u>1,926.7</u>		<u>13,782,923</u>	<u>2,017.5</u>	<u>1,569.09</u>	<u>33.167%</u>	<u>27.021%</u>	<u>28.557%</u>
Curtable										
CS-2, CST-2										
Secondary	1.002	(0)	(0.0)	0.9500866	(0)	(0.0)	(0.0)	0.000%	0.000%	0.000%
Primary	1.002	65,512	7.4	0.9752373	67,176	7.6	7.6	0.162%	0.102%	0.117%
SS-3 Primary	1.207	139,893	13.2	0.9752373	143,445	13.5	16.3	0.345%	0.181%	0.222%
		<u>205,405</u>	<u>20.6</u>		<u>210,620</u>	<u>21.2</u>	<u>24.0</u>	<u>0.507%</u>	<u>0.284%</u>	<u>0.339%</u>
Interruptible										
IS-2, IST-2										
Secondary	1.012	366,440	41.2	0.9500866	385,691	43.4	43.9	0.928%	0.581%	0.668%
Sec Del/Primary Mtr	1.012	0	0.0	0.9752373	0	0.0	0.0	0.000%	0.000%	0.000%
Primary Del / Primary Mtr	1.012	969,647	109.1	0.9752373	994,268	111.8	113.2	2.393%	1.498%	1.721%
Primary Del / Transm Mtr	1.012	0	0.0	0.9858571	0	0.0	0.0	0.000%	0.000%	0.000%
Transm Del/ Transm Mtr	1.012	960,084	108.0	0.9858571	973,857	109.5	110.9	2.343%	1.467%	1.686%
Transm Del/ Primary Mtr	1.012	220,214	24.8	0.9752373	225,806	25.4	25.7	0.543%	0.340%	0.391%
SS-2 Primary	0.838	9,645	1.3	0.9752373	9,889	1.3	1.1	0.024%	0.018%	0.019%
Transm Del/ Transm Mtr	0.838	2,255	0.3	0.9858571	2,287	0.3	0.3	0.006%	0.004%	0.004%
Transm Del/ Primary Mtr	0.838	42,586	5.8	0.9752373	43,668	5.9	5.0	0.105%	0.079%	0.086%
		<u>2,570,870</u>	<u>290.4</u>		<u>2,635,465</u>	<u>297.7</u>	<u>300.0</u>	<u>6.342%</u>	<u>3.987%</u>	<u>4.576%</u>
Lighting										
LS-1 (Secondary)	14.969	332,423	2.5	0.9500866	349,887	2.7	39.8	0.842%	0.036%	0.237%
		<u>39,623,435</u>	<u>7,112</u>		<u>41,556,477</u>	<u>7,466</u>	<u>4,731</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)) | (6) Column 3 / Column 4 |
| (2) Projected mWh sales for the period Jan-Dec 2024 | (7) Column 5 / 8,784 hours |
| (3) Calculated: Column 2 / (8,784 hours x Column 1) | (8) Column 5 / Total Column 5 |
| (4) Based on system average line loss analysis for 2022 | (9) Column 6 / Total Column 6 |
| (5) Column 2 / Column 4 | (10) Column 8 x 1/13 + Column 9 x 12/13 |

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Calculation of Energy Conservation Cost Recovery Rate Factors by Rate Class
January 2024 - December 2024

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, RSS-1 Secondary	53.075%	60.480%	\$9,742,198	\$ 59,403,182	\$ 69,145,380	20,955,189				0.330
General Service Non-Demand										
GS-1, GST-1										
Secondary						2,158,371				0.290
Primary						26,606				0.287
Transmission						3,119				0.284
TOTAL GS	5.541%	5.428%	\$1,017,038	\$ 5,331,123	\$ 6,348,161	2,188,096				
General Service										
GS-2 Secondary	0.527%	0.382%	\$96,711	\$ 375,297	\$ 472,008	208,022				0.227
General Service Demand										
GSD-1, GSDT-1, SS-1*										
Secondary						10,872,627			0.93	
Primary						1,785,848			0.92	
Transmission						476,853			0.91	
TOTAL GSD	33.167%	28.557%	\$6,087,934	\$ 28,048,919	\$ 34,136,853	13,135,328	48.66%	36,873,655		
Curtable										
CS-2, CST-2, CS-3, CST-3, SS-3*										
Secondary						-			0.79	
Primary						203,351			0.78	
Transmission						-			0.77	
TOTAL CS	0.507%	0.339%	\$93,031	\$ 333,305	\$ 426,336	203,351	51.22%	542,340		
Interruptible										
IS-2, IST-2, SS-2*										
Secondary						366,440			0.76	
Primary						1,229,671			0.75	
Transmission						943,092			0.74	
TOTAL IS	6.342%	4.576%	\$1,164,088	\$ 4,494,549	\$ 5,658,637	2,539,203	46.48%	7,463,105		
Lighting										
LS-1 Secondary	0.842%	0.237%	\$154,545	\$ 232,994	\$ 387,540	332,423				0.117
	100.000%	100.000%	\$ 18,355,545	\$ 98,219,370	\$ 116,574,915	39,561,611				0.295

Notes:

- | | |
|----------------------------------------------------------|----------------------------------------------------------|
| (1) From Schedule C-1 1P, Column 8 | (6) kWh sales at effective secondary voltage |
| (2) From Schedule C-1 1P, Column 10 | (7) Class Billing kW Load Factor |
| (3) Column 1 x Total Energy Dollars, C-2 Page 1, line 20 | (8) Column 6 x 1000 / 8,784 / Column 7 x 12 |
| (4) Column 2 x Total Demand Dollars, C-2 Page 1, line 21 | (9) Column 5 / Column 8 (x voltage factor if applicable) |
| (5) Column 3 + Column 4 | (10) Column 5 / Column 6 / 10 |

Calculation of Standby Service kW Charges			
	ECCR Cost	Effective kW	\$/kW
Total GSD, CS, IS	\$40,221,826	44,879,099	0.90
SS-1, 2, 3 - \$/kW-mo			
	Secondary	Primary	Transmission
Monthly - \$0.90/kW * 10%	0.090	0.089	0.088
Daily - \$0.90/kW / 21	0.043	0.043	0.042

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Estimated Conservation Program Costs
January 2024 - December 2024

FPSC Docket No. 20230002-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)	\$5,308,465		
2	Residential Incentive Program (E)	4,411,806		
3	Business Energy Check (E)	1,005,202		
4	Better Business (E)	2,160,570		
5	Technology Development (E)	800,000		
6	Smart \$aver Custom Incentive (E)	596,883		
7	Interruptible Service (D)	52,579,018		
8	Curtable Service (D)	3,031,116		
9	Load Management (Residential & Commercial) (D)	37,728,186		
10	Low Income Weatherization Assistance Program (E)	343,500		
11	Standby Generation (D)	6,065,621		
12	Qualifying Facility (E)	857,800		
13	Neighborhood Energy Saver (E)	4,870,504		
14	Conservation Program Admin (E)	1,488,829		
15	Conservation Program Admin (D)	882,171		
16	Total ECCR Program Costs	<u>\$122,129,669</u>		
17			2023	
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	\$21,843,558	(\$3,488,013)	\$18,355,545
21	Demand	100,286,111	(2,066,741)	98,219,370
22	Total Demand & Energy Costs	<u>\$122,129,669</u>	<u>(\$5,554,754)</u>	<u>\$116,574,915</u>

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Estimated Conservation Program Costs
January 2024 - December 2024

Line No.	Program Demand (D) or Energy (E)	Est Jan-24	Est Feb-24	Est Mar-24	Est Apr-24	Est May-24	Est Jun-24	Est Jul-24	Est Aug-24	Est Sep-24	Est Oct-24	Est Nov-24	Est Dec-24	Total
1	Home Energy Check (E)	\$444,454	\$452,320	\$470,945	\$474,334	\$466,885	\$462,492	\$483,157	\$453,061	\$433,925	\$424,359	\$374,047	\$368,487	\$5,308,465
2	Residential Incentive Program (E)	329,218	342,280	378,687	373,105	381,313	395,971	405,788	403,492	406,102	375,731	332,177	287,942	\$4,411,806
3	Business Energy Check (E)	81,031	80,506	97,045	81,591	81,657	95,343	83,375	79,868	92,425	76,778	69,818	85,766	\$1,005,202
4	Better Business (E)	188,503	182,408	185,616	184,738	189,800	182,072	188,372	181,082	181,017	174,662	160,160	162,141	\$2,160,570
5	Technology Development (E)	67,841	67,569	68,366	68,131	68,165	67,484	69,054	67,238	65,974	65,638	62,025	62,516	\$800,000
6	Smart \$aver Custom Incentive (E)	50,249	50,129	50,479	50,398	50,388	50,094	50,776	49,986	49,440	49,291	47,722	47,932	\$596,883
7	Interruptible Service (D)	4,182,093	4,223,597	4,237,070	4,244,422	4,252,486	4,258,725	4,270,789	4,274,132	4,626,315	4,666,711	4,666,260	4,676,419	\$52,579,018
8	Curtailable Service (D)	246,285	246,256	246,341	246,316	246,319	246,247	246,414	246,221	265,386	265,351	264,967	265,015	\$3,031,116
9	Load Management (Residential & Commercial) (D)	2,950,748	3,122,848	3,216,206	2,861,407	2,752,932	3,080,273	3,210,097	3,262,922	3,245,748	2,982,071	3,848,823	3,194,112	\$37,728,186
10	Low Income Weatherization Assistance Program (E)	28,454	27,072	29,480	29,196	30,351	29,581	30,396	28,242	29,325	29,559	26,683	25,161	\$343,500
11	Standby Generation (D)	495,104	498,660	505,361	507,697	507,702	506,677	511,026	508,256	506,350	507,828	505,131	505,831	\$6,065,621
12	Qualifying Facility (E)	76,127	70,303	77,526	71,999	76,991	70,478	79,660	69,723	76,254	65,561	60,635	62,543	\$857,800
13	Neighborhood Energy Saver (E)	313,960	400,248	453,802	429,148	407,633	427,881	531,039	423,348	420,564	408,397	377,507	276,977	\$4,870,504
14	Conservation Program Admin (E)	127,997	127,086	129,753	128,966	129,081	126,804	132,056	125,981	121,751	120,629	108,540	110,186	\$1,488,829
15	Conservation Program Admin (D)	75,841	75,302	76,882	76,416	76,484	75,135	78,246	74,647	72,141	71,476	64,313	65,288	\$882,171
16	Total ECCR Program Costs	\$9,657,903	\$9,966,583	\$10,223,556	\$9,827,863	\$9,718,188	\$10,075,254	\$10,370,242	\$10,248,199	\$10,592,715	\$10,284,041	\$10,968,809	\$10,196,315	\$122,129,669
17	Demand & Energy Summary													
18	Energy	\$1,707,833	\$1,799,921	\$1,941,698	\$1,891,606	\$1,882,265	\$1,908,199	\$2,053,671	\$1,882,021	\$1,876,776	\$1,790,606	\$1,619,315	\$1,489,650	\$21,843,558
19	Demand	7,950,071	8,166,662	8,281,859	7,936,257	7,835,923	8,167,056	8,316,571	8,366,178	8,715,940	8,493,436	9,349,494	8,706,665	100,286,111
20	Total Demand & Energy Costs	\$9,657,903	\$9,966,583	\$10,223,556	\$9,827,863	\$9,718,188	\$10,075,254	\$10,370,242	\$10,248,199	\$10,592,715	\$10,284,041	\$10,968,809	\$10,196,315	\$122,129,669

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Estimated Conservation Program Costs
January 2024 - December 2024

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	3,521,948	154,499	242,643	29,280	600,000	655,977	104,117	5,308,465
2	Residential Incentive Program (E)	0	1,403,711	30,354	193,479	12,484	252,000	2,402,275	117,503	4,411,806
3	Business Energy Check (E)	0	543,799	13,680	218,856	33,400	96,000	60,000	39,467	1,005,202
4	Better Business (E)	0	1,129,897	17,730	283,204	14,904	84,000	575,555	55,280	2,160,570
5	Technology Development (E)	0	281,552	60,960	346,140	111,348	0	0	0	800,000
6	Smart \$aver Custom Incentive (E)	0	122,281	3,250	169,200	5,196	60,000	216,800	20,156	596,883
7	Interruptible Service (D)	1,165,312	726,715	40,080	0	27,096	0	50,553,891	65,924	52,579,018
8	Curtaillable Service (D)	0	29,929	0	0	0	0	2,997,590	3,596	3,031,116
9	Load Management (Residential & Commercial) (D)	6,185,385	2,112,064	39,486	2,344,980	31,047	312,000	26,600,714	102,509	37,728,186
10	Low Income Weatherization Assistance Program (E)	0	183,782	3,000	0	300	35,004	115,834	5,580	343,500
11	Standby Generation (D)	0	424,377	28,488	0	34,447	0	5,550,523	27,786	6,065,621
12	Qualifying Facility (E)	0	750,000	2,700	100,000	500	0	0	4,600	857,800
13	Neighborhood Energy Saver (E)	0	207,691	6,000	604,768	0	490,396	3,539,649	22,000	4,870,504
14	Conservation Program Admin (E)	0	941,899	628	313,966	94,190	0	0	138,145	1,488,829
15	Conservation Program Admin (D)	0	558,101	372	186,034	55,810	0	0	81,855	882,171
16	Total ECCR Program Costs	\$7,350,697	\$12,937,747	\$401,227	\$5,003,270	\$450,002	\$1,929,400	\$93,268,808	\$788,518	\$122,129,669
17	Demand & Energy Summary									
18	Energy	\$0	\$9,086,560	\$292,801	\$2,472,256	\$301,602	\$1,617,400	\$7,566,090	\$506,848	\$21,843,558
19	Demand	7,350,697	3,851,186	108,426	2,531,014	148,400	312,000	85,702,718	281,670	100,286,111
20	Total Demand & Energy Costs	\$7,350,697	\$12,937,747	\$401,227	\$5,003,270	\$450,002	\$1,929,400	\$93,268,808	\$788,518	\$122,129,669

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Schedule of Capital Investment, Depreciation & Return
January 2024 - December 2024

FPSC Docket No. 20230002-EG
Duke Energy Florida, LLC
Witness: Karla Rodriguez
Exhibit No. ___(KR-1P)
Schedule C-2
Page 4 of 4

Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Est Jan-24	Est Feb-24	Est Mar-24	Est Apr-24	Est May-24	Est 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		\$0	\$36,548	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$36,548
3	Retirements		0	59,853	0	0	0	0	0	0	0	0	0	0	59,853
4	Depreciation Base		4,528,994	4,499,067	4,505,688	4,505,688	4,505,688	4,505,688	4,505,688	4,505,688	4,505,688	4,505,688	4,505,688	4,505,688	
5															
6	Depreciation Expense		75,485	74,986	75,096	75,096	75,096	75,096	75,096	75,096	75,096	75,096	75,096	75,096	901,431
7															
8	Cumulative Investment	4,528,994	4,528,994	4,505,688	4,505,688	4,505,688	4,505,688	4,505,688	4,505,688	4,505,688	4,505,688	4,505,688	4,505,688	4,505,688	4,505,688
9	Less: Accumulated Depreciation	832,095	907,580	922,713	997,809	1,072,905	1,148,001	1,223,097	1,298,193	1,373,289	1,448,385	1,523,481	1,598,577	1,673,673	1,673,673
10	Net Investment	3,696,899	3,621,414	3,582,976	3,507,880	3,432,784	3,357,688	3,282,592	3,207,496	3,132,400	3,057,304	2,982,208	2,907,112	2,832,016	2,832,016
11	Average Investment		3,659,156	3,602,195	3,545,428	3,470,332	3,395,236	3,320,140	3,245,044	3,169,948	3,094,852	3,019,756	2,944,660	2,869,564	
12	Return on Average Investment		24,547	24,164	23,784	23,280	22,776	22,273	21,769	21,265	20,761	20,258	19,754	19,250	263,881
13															
14	Program Total		\$100,032	\$99,150	\$98,880	\$98,376	\$97,872	\$97,369	\$96,865	\$96,361	\$95,857	\$95,354	\$94,850	\$94,346	\$1,165,312

Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Est Jan-24	Est Feb-24	Est Mar-24	Est Apr-24	Est May-24	Est 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	Expenditures Booked Directly to Plant		\$983,333	\$983,333	\$983,333	\$983,333	\$983,333	\$983,333	\$0	\$983,333	\$983,333	\$983,333	\$983,333	\$983,333	\$983,337
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	Investments Booked to CWIP		0	0	0	0	0	0	0	0	0	0	0	0	0
19	Closings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
20	Amortization Base		21,731,778	22,314,179	22,723,420	23,045,863	23,111,918	23,317,565	23,593,582	22,942,160	23,560,639	23,831,073	23,950,327	24,305,039	
21															
22	Amortization Expense		362,204	371,910	378,731	384,105	385,206	388,634	393,234	382,377	392,685	397,192	399,180	405,092	4,640,550
23															
24	Cumulative Plant Investment	21,821,254	22,625,636	22,986,054	23,444,119	23,630,940	23,576,229	24,042,233	23,144,931	23,722,722	24,381,889	24,263,589	24,620,398	24,973,012	24,973,012
25	Less: Accumulated Depreciation	13,509,603	13,692,857	13,441,852	13,295,315	12,882,908	12,230,070	12,101,375	11,597,306	11,574,142	11,642,661	10,938,220	10,710,876	10,485,249	10,485,249
26	Cumulative CWIP Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Net Plant Investment	8,311,650	8,932,779	9,544,202	10,148,804	10,748,032	11,346,159	11,940,858	11,547,624	12,148,580	12,739,228	13,325,369	13,909,522	14,487,763	14,487,763
28	Average Investment		8,622,215	9,238,491	9,846,503	10,448,418	11,047,096	11,643,509	11,744,241	11,848,102	12,443,904	13,032,299	13,617,446	14,198,643	
29	Return on Average Investment		57,840	61,975	66,053	70,091	74,107	78,108	78,784	79,481	83,478	87,425	91,350	95,249	923,941
30															
31	Program Total		\$420,044	\$433,885	\$444,784	\$454,196	\$459,313	\$466,742	\$472,018	\$461,858	\$476,163	\$484,617	\$490,530	\$500,341	\$5,564,491

Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Est Jan-24	Est Feb-24	Est Mar-24	Est Apr-24	Est May-24	Est Jun-24	Est Jul-24	Est Aug-24	Est Sep-24	Est Oct-24	Est Nov-24	Est Dec-24	Total
1	Residential Load Mgt Software (D)														
2	Investments		\$41,166	\$41,166	\$41,166	\$41,166	\$41,166	\$41,166	\$0	\$41,166	\$41,166	\$41,166	\$41,166	\$41,166	\$452,826
3	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
4	Depreciation Base		2,061,939	2,103,105	2,144,271	2,185,437	2,226,603	2,267,769	2,308,935	2,308,935	2,350,101	2,391,267	2,432,433	2,473,599	
5															
6	Depreciation Expense		34,366	35,052	35,739	36,425	37,111	37,797	38,483	38,483	39,169	39,855	40,541	41,227	454,248
7															
8	Cumulative Investment	2,061,939	2,103,105	2,144,271	2,185,437	2,226,603	2,267,769	2,308,935	2,308,935	2,350,101	2,391,267	2,432,433	2,473,599	2,514,765	2,514,765
9	Less: Accumulated Depreciation	0	34,366	69,418	105,157	141,582	178,693	216,490	254,973	293,456	332,625	372,480	413,021	454,248	454,248
10	Net Investment	2,061,939	2,068,739	2,074,853	2,080,280	2,085,021	2,089,076	2,092,445	2,053,962	2,056,645	2,058,642	2,059,953	2,060,578	2,060,517	2,060,517
11	Average Investment		2,065,339	2,071,796	2,077,567	2,082,651	2,087,049	2,090,761	2,073,204	2,055,304	2,057,644	2,059,298	2,060,266	2,060,548	
12	Return on Average Investment		13,855	13,899	13,937	13,971	14,001	14,025	13,908	13,788	13,803	13,815	13,821	13,823	166,646
13															
14	Program Total		\$48,221	\$48,951	\$49,676	\$50,396	\$51,112	\$51,822	\$52,391	\$52,271	\$52,972	\$53,670	\$54,362	\$55,050	\$620,894

14	Demand & Energy Summary														
15	Energy		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
16	Demand		568,297	581,986	593,340	602,968	608,297	615,933	621,274	610,490	624,992	633,641	639,742	649,737	\$7,350,697
17	Total Depreciation & Return		\$568,297	\$581,986	\$593,340	\$602,968	\$608,297	\$615,933	\$621,274	\$610,490	\$624,992	\$633,641	\$639,742	\$649,737	\$7,350,697

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Program Costs
January - June 2023 Actuals
July - December 2023 Estimates

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	\$1,716,057	\$57,500	\$226,820	\$21,295	\$85,719	\$304,819	\$52,733	\$0	\$2,464,943
3	B. Estimated	0	1,713,330	67,500	123,253	18,000	325,000	310,000	27,767	0	2,584,850
4											
5	C. Total	\$0	\$3,429,387	\$125,000	\$350,073	\$39,295	\$410,719	\$614,819	\$80,500	\$0	\$5,049,793
6											
7	<u>Residential Incentive Program (E)</u>										
8	A. Actual	\$0	\$626,627	\$22,916	\$83,591	\$7,626	\$21,695	\$932,614	\$50,240		\$1,745,308
9	B. Estimated	0	632,817	28,800	75,000	7,500	227,000	995,000	55,000	0	2,021,117
10											
11	C. Total	\$0	\$1,259,444	\$51,716	\$158,591	\$15,126	\$248,695	\$1,927,614	\$105,240	\$0	\$3,766,425
12											
13	<u>Business Energy Check (E)</u>										
14	A. Actual	\$0	\$215,748	\$2,445	\$21,300	\$20,039	\$3,635	\$0	\$13,506	\$0	\$276,673
15	B. Estimated	0	228,142	4,200	63,000	14,500	26,000	0	16,800	0	352,642
16											
17	C. Total	\$0	\$443,890	\$6,645	\$84,300	\$34,539	\$29,635	\$0	\$30,306	\$0	\$629,315
18											
19	<u>Better Business (E)</u>										
20	A. Actual	\$0	\$518,198	\$899	\$70,115	\$384	\$11,562	\$198,174	\$19,496	\$0	\$818,828
21	B. Estimated	0	520,469	2,200	84,000	3,000	21,000	195,000	18,000	0	843,669
22											
23	C. Total	\$0	\$1,038,667	\$3,099	\$154,115	\$3,384	\$32,562	\$393,174	\$37,496	\$0	\$1,662,497
24											
25	<u>Technology Development (E)</u>										
26	A. Actual	\$0	\$131,640	\$21,187	\$33,779	\$773	\$0	\$0	\$1,819	\$0	\$189,197
27	B. Estimated	0	135,104	22,917	56,991	43,390	0	0	2,184	0	260,586
28											
29	C. Total	\$0	\$266,745	\$44,103	\$90,769	\$44,163	\$0	\$0	\$4,003	\$0	\$449,783
30											
31	<u>Smart \$aver Custom Incentive Program (E)</u>										
32	A. Actual	\$0	\$59,686	\$103	\$43,286	\$70	\$3,970	\$0	\$7,948	\$0	\$115,062
33	B. Estimated	0	51,587	300	35,000	1,100	10,500	20,000	7,800	0	126,287
34											
35	C. Total	\$0	\$111,273	\$403	\$78,286	\$1,170	\$14,470	\$20,000	\$15,748	\$0	\$241,349
36											
37	<u>Interruptible Service (D)</u>										
38	A. Actual	\$312,201	\$349,074	\$15,109	\$2,813	\$8,914	\$0	\$23,604,543	\$28,950	\$0	\$24,321,604
39	B. Estimated	400,184	348,000	19,446	0	15,030	0	24,886,282	30,000	0	25,698,942
40											
41	C. Total	\$712,385	\$697,074	\$34,555	\$2,813	\$23,944	\$0	\$48,490,825	\$58,950	\$0	\$50,020,546

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Program Costs
January - June 2023 Actuals
July - December 2023 Estimates

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>Curtailable Service (D)</u>										
2	A. Actual	\$0	\$7,095	\$0	\$938	\$0	\$0	\$1,019,589	\$1,876	\$0	\$1,029,498
3	B. Estimated	0	7,200	0	0	0	0	1,460,195	1,800	0	1,469,195
4											
5	C. Total	\$0	\$14,295	\$0	\$938	\$0	\$0	\$2,479,784	\$3,676	\$0	\$2,498,693
6											
7	<u>Load Management (Residential & Commercial) (D)</u>										
8	A. Actual	\$2,575,102	\$1,052,306	\$20,508	\$1,049,807	\$42,091	\$2,249	\$10,956,139	\$31,365	\$0	\$15,729,565
9	B. Estimated	2,415,790	1,002,000	21,000	1,107,000	6,000	30,000	12,342,108	27,000	0	16,950,898
10											
11	C. Total	\$4,990,892	\$2,054,306	\$41,508	\$2,156,807	\$48,091	\$32,249	\$23,298,247	\$58,365	\$0	\$32,680,463
12											
13	<u>Low Income Weatherization Assistance Program (E)</u>										
14	A. Actual	\$0	\$89,852	\$464	\$235	\$794	\$0	\$47,350	\$2,549	\$0	\$141,244
15	B. Estimated	0	90,000	1,025	0	0	100	59,112	2,400	0	152,637
16											
17	C. Total	\$0	\$179,852	\$1,489	\$235	\$794	\$100	\$106,462	\$4,949	\$0	\$293,881
18											
19	<u>Standby Generation (D)</u>										
20	A. Actual	\$0	\$203,879	\$9,260	\$4,678	\$1,954	\$0	\$2,743,941	\$11,350	\$0	\$2,975,062
21	B. Estimated	0	204,000	13,830	0	15,000	0	2,732,076	11,400	0	2,976,306
22											
23	C. Total	\$0	\$407,879	\$23,090	\$4,678	\$16,954	\$0	\$5,476,017	\$22,750	\$0	\$5,951,368
24											
25	<u>Qualifying Facility (E)</u>										
26	A. Actual	\$0	\$361,763	\$564	\$0	\$46	\$0	\$0	\$1,936	\$0	\$364,310
27	B. Estimated	0	363,000	1,225	55,000	250	0	0	2,600	0	422,075
28											
29	C. Total	\$0	\$724,763	\$1,789	\$55,000	\$296	\$0	\$0	\$4,536	\$0	\$786,385
30											
31	<u>Neighborhood Energy Saver (E)</u>										
32	A. Actual	\$0	\$100,089	\$1,880	\$190,710	\$792	\$35,131	\$3,228,859	\$7,843	\$0	\$3,565,305
33	B. Estimated	0	87,325	2,600	304,600	300	45,000	2,542,200	8,166	0	2,990,191
34											
35	C. Total	\$0	\$187,415	\$4,480	\$495,310	\$1,092	\$80,131	\$5,771,059	\$16,009	\$0	\$6,555,497
36											
37	<u>Conservation Program Admin (D)+(E)</u>										
38	A. Actual	\$0	\$703,091	\$601	\$87,790	\$62,917	\$0	\$0	\$96,564	\$0	\$950,963
39	B. Estimated	0	709,752	480	210,000	72,000	0	0	102,000	0	1,094,232
40											
41	C. Total	\$0	\$1,412,843	\$1,081	\$297,790	\$134,917	\$0	\$0	\$198,564	\$0	\$2,045,195
42	ECCR Program Costs	\$5,703,277	\$12,227,832	\$338,959	\$3,929,704	\$363,765	\$848,561	\$88,578,001	\$641,091	\$0	\$112,631,189

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Schedule of Capital Investment, Depreciation & Return
January - June 2023 Actuals
July - December 2023 Estimates

FPSC Docket No. 20230002-EG
Duke Energy Florida, LLC
Witness: Karla Rodriguez
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Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Act Jan-23	Act Feb-23	Act Mar-23	Act Apr-23	Act May-23	Act Jun-23	Est Jul-23	Est Aug-23	Est Sep-23	Est Oct-23	Est Nov-23	Est Dec-23	Total
1	Interruptible Service (D)														
2	Investments		\$0	\$398,103	\$93,722	\$177,711	\$260,173	\$0	\$70,000	\$70,000	\$70,000	\$70,000	\$64,375	\$1,344,084	\$2,618,168
3	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
4	Depreciation Base		1,910,826	1,910,826	2,308,929	2,402,651	2,580,362	2,840,535	2,840,535	2,910,535	2,980,535	3,050,535	3,120,535	3,184,910	
5															
6	Depreciation Expense		31,848	31,848	38,483	40,045	43,007	47,343	47,343	48,510	49,677	50,843	52,010	53,083	534,040
7															
8	Cumulative Investment	1,910,826	1,910,826	2,308,929	2,402,651	2,580,362	2,840,535	2,840,535	2,910,535	2,980,535	3,050,535	3,120,535	3,184,910	4,528,994	4,528,994
9	Less: Accumulated Depreciation	298,055	329,903	361,751	400,234	440,279	483,286	530,629	577,972	626,482	676,159	727,002	779,012	832,095	832,095
10	Net Investment	1,612,771	1,580,923	1,947,178	2,002,417	2,140,083	2,357,249	2,309,906	2,332,563	2,354,053	2,374,376	2,393,533	2,405,898	3,696,899	3,696,899
11	Average Investment		1,596,847	1,764,050	1,974,797	2,071,250	2,248,666	2,333,577	2,321,234	2,343,308	2,364,214	2,383,954	2,399,715	3,051,398	
12	Return on Average Investment		10,605	11,716	13,116	13,757	14,934	15,499	15,416	15,563	15,702	15,833	15,938	20,266	178,345
13															
14	Program Total		\$42,453	\$43,564	\$51,599	\$53,802	\$57,941	\$62,842	\$62,759	\$64,073	\$65,379	\$66,676	\$67,948	\$73,349	\$712,385

Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Act Jan-23	Act Feb-23	Act Mar-23	Act Apr-23	Act May-23	Act Jun-23	Est Jul-23	Est Aug-23	Est Sep-23	Est Oct-23	Est Nov-23	Est Dec-23	Total
15	Residential Load Management Switches (D)														
16	Expenditures Booked Directly to Plant		\$137,108	\$243,528	\$424,134	\$117,482	\$369,751	\$155,770	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$4,447,773
17	Retirements		791,351	611,611	903,634	983,421	611,854	1,067,446	316,488	316,488	316,488	316,488	316,488	316,488	6,868,246
18	Investments Booked to CWIP		0	0	0	0	0	0	0	0	0	0	0	0	0
19	Closings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
20	Amortization Base		23,846,051	23,281,678	22,767,583	22,248,190	21,568,034	21,098,136	20,561,939	20,745,451	20,928,962	21,112,474	21,295,986	21,479,498	
21															
22	Amortization Expense		397,442	388,036	379,467	370,811	359,474	351,643	342,706	345,764	348,823	351,882	354,940	357,999	4,348,987
23															
24	Cumulative Plant Investment	24,241,727	23,587,484	23,219,400	22,739,900	21,873,962	21,631,858	20,720,183	20,903,695	21,087,206	21,270,718	21,454,230	21,637,742	21,821,254	21,821,254
25	Less: Accumulated Depreciation	16,028,862	15,634,954	15,411,378	14,887,211	14,274,602	14,022,221	13,306,419	13,332,636	13,361,912	13,394,247	13,429,641	13,468,093	13,509,603	13,509,603
26	Cumulative CWIP Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Net Plant Investment	8,212,864	7,952,530	7,808,022	7,852,689	7,599,360	7,609,637	7,413,764	7,571,058	7,725,294	7,876,471	8,024,589	8,169,649	8,311,650	8,311,650
28	Average Investment		8,082,697	7,880,276	7,830,355	7,726,024	7,604,499	7,511,701	7,492,411	7,648,176	7,800,883	7,950,530	8,097,119	8,240,650	
29	Return on Average Investment		53,681	52,337	52,005	51,312	50,505	49,889	49,761	50,796	51,809	52,803	53,777	54,730	623,405
30															
31	Program Total		\$451,123	\$440,373	\$431,472	\$422,123	\$409,979	\$401,532	\$392,467	\$396,560	\$400,632	\$404,685	\$408,717	\$412,729	\$4,972,392

Duke Energy Florida, LLC
 Energy Conservation Cost Recovery
 Schedule of Capital Investment, Depreciation & Return
 January - June 2023 Actuals
 July - December 2023 Estimates

FPSC Docket No. 20230002-EG
 Duke Energy Florida, LLC
 Witness: Karla Rodriguez
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Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Act Jan-23	Act Feb-23	Act Mar-23	Act Apr-23	Act May-23	Act Jun-23	Est Jul-23	Est Aug-23	Est Sep-23	Est Oct-23	Est Nov-23	Est Dec-23	Total
1	Residential Load Mgt Software (D)														
2	Investments		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$493,992	\$493,992
3	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
4	Depreciation Base		0	0	0	0	0	0	0	0	0	0	0	0	0
5															
6	Depreciation Expense		0	0	0	0	0	0	0	0	0	0	0	0	0
7															
8	Cumulative Investment	0	0	0	0	0	0	0	0	0	0	0	0	493,992	493,992
9	Less: Accumulated Depreciation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Net Investment	0	0	0	0	0	0	0	0	0	0	0	0	493,992	493,992
11	Average Investment		0	0	0	0	0	0	0	0	0	0	0	246,996	
12	Return on Average Investment		0	0	0	0	0	0	0	0	0	0	0	1,640	1,640
13															
14	Program Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,640	\$1,640

Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Act Jan-23	Act Feb-23	Act Mar-23	Act Apr-23	Act May-23	Act Jun-23	Est Jul-23	Est Aug-23	Est Sep-23	Est Oct-23	Est Nov-23	Est Dec-23	Total
15	Residential Load Mgt Upgrades (D)														
16	Investments		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
17	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
18	Investments Booked to CWIP		104	645	652,333	193,323	7,632	7,902	0	400,000	0	400,000	0	400,000	2,061,939
19	Closings to Plant		0	0	0	0	0	0	0	0	0	0	0	2,061,939	
20	Depreciation Base		0	0	0	0	0	0	0	0	0	0	0	0	0
21															
22	Depreciation Expense		0	0	0	0	0	0	0	0	0	0	0	0	0
23															
24	Cumulative Investment	0	0	0	0	0	0	0	0	0	0	0	0	2,061,939	2,061,939
25	Less: Accumulated Depreciation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Cumulative CWIP investment	0	104	749	653,082	846,405	854,038	861,939	861,939	1,261,939	1,261,939	1,661,939	1,661,939	0	0
27	Net Investment	0	104	749	653,082	846,405	854,038	861,939	861,939	1,261,939	1,261,939	1,661,939	1,661,939	2,061,939	2,061,939
28	Average Investment		52	427	326,916	749,744	850,221	857,988	861,939	1,061,939	1,261,939	1,461,939	1,661,939	1,861,939	
29	Return on Average Investment		0	3	2,172	4,979	5,647	5,699	5,725	7,053	8,382	9,710	11,038	12,367	72,775
30															
31	Program Total		\$0	\$3	\$2,172	\$4,979	\$5,647	\$5,699	\$5,725	\$7,053	\$8,382	\$9,710	\$11,038	\$12,367	\$72,775

32	Demand & Energy Summary														
33	Energy		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
34	Demand		493,576	483,940	485,243	480,904	473,567	470,073	460,951	467,686	474,393	481,071	487,703	500,085	5,759,192
35	Total Depreciation & Return		\$493,576	\$483,940	\$485,243	\$480,904	\$473,567	\$470,073	\$460,951	\$467,686	\$474,393	\$481,071	\$487,703	\$500,085	\$5,759,192

**Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Calculation of Interest Provision
January 2023 - December 2023**

Line No.	Act Jan-23	Act Feb-23	Act Mar-23	Act Apr-23	Act May-23	Act Jun-23	Est Jul-23	Est Aug-23	Est Sep-23	Est Oct-23	Est Nov-23	Est Dec-23	Total
1 Beginning True-Up Amount (C3, Page 6 of 6, Line 8)	(\$7,706,868)	(\$6,410,605)	(\$5,213,870)	(\$3,748,155)	(\$3,725,453)	(\$4,062,343)	(\$4,251,151)	(\$5,485,186)	(\$7,241,628)	(\$8,790,542)	(\$9,161,527)	(\$7,594,606)	
2 Ending True-Up Amount Before Interest (C3, Page 6 of 6, Lines 5, 7, 8, 9)	(6,384,243)	(5,191,464)	(3,730,434)	(3,710,117)	(4,045,894)	(4,233,436)	(5,464,500)	(7,214,588)	(8,756,479)	(9,123,385)	(7,559,005)	(5,526,816)	
3 Total Beginning & Ending True-Up (Line 1 + Line 2)	(14,091,111)	(11,602,069)	(8,944,304)	(7,458,272)	(7,771,346)	(8,295,778)	(9,715,651)	(12,699,773)	(15,998,107)	(17,913,927)	(16,720,532)	(13,121,422)	
4 Average True-Up Amount (50% of Line 3)	(7,045,556)	(5,801,035)	(4,472,152)	(3,729,136)	(3,885,673)	(4,147,889)	(4,857,825)	(6,349,887)	(7,999,053)	(8,956,963)	(8,360,266)	(6,560,711)	
5 Interest Rate: First Day Reporting Business Month	4.37%	4.61%	4.66%	4.85%	5.02%	5.14%	5.11%	5.11%	5.11%	5.11%	5.11%	5.11%	
6 Interest Rate: First Day Subsequent Business Month	4.61%	4.66%	4.85%	5.02%	5.14%	5.11%	5.11%	5.11%	5.11%	5.11%	5.11%	5.11%	
7 Total (Line 5 & Line 6) (Line 5 + Line 6)	8.98%	9.27%	9.51%	9.87%	10.16%	10.25%	10.22%	10.22%	10.22%	10.22%	10.22%	10.22%	
8 Average Interest Rate (50% of Line 7)	4.490%	4.635%	4.755%	4.935%	5.080%	5.125%	5.110%	5.110%	5.110%	5.110%	5.110%	5.110%	
9 Interest Provision (Line 4 * Line 8) / 12	(\$26,362)	(\$22,406)	(\$17,721)	(\$15,336)	(\$16,449)	(\$17,715)	(\$20,686)	(\$27,040)	(\$34,063)	(\$38,142)	(\$35,601)	(\$27,938)	(\$299,459)

Duke Energy Florida, LLC
 Energy Conservation Cost Recovery
 Energy Conservation Adjustment
 Calculation of True-Up
 January 2023 - December 2023

Line No.	Act Jan-23	Act Feb-23	Act Mar-23	Act Apr-23	Act May-23	Act Jun-23	Est Jul-23	Est Aug-23	Est Sep-23	Est Oct-23	Est Nov-23	Est Dec-23	Total
1	\$8,556,739	\$7,145,949	\$8,171,424	\$8,419,998	\$8,645,278	\$10,176,466	\$10,894,868	\$11,401,284	\$11,188,037	\$10,001,689	\$8,058,987	\$7,590,225	\$110,250,945
2	642,239	642,239	642,239	642,239	642,239	642,239	642,239	642,239	642,239	642,239	642,239	642,239	7,706,868
3	9,198,978	7,788,188	8,813,663	9,062,237	9,287,517	10,818,705	11,537,106	12,043,523	11,830,276	10,643,928	8,701,226	8,232,464	117,957,813
4	9,879,364	8,365,091	9,654,860	8,458,036	8,324,837	10,005,373	9,681,518	9,671,882	9,673,185	9,668,846	9,661,509	9,658,015	112,702,518
5	680,385	576,903	841,197	(604,201)	(962,680)	(813,332)	(1,855,588)	(2,371,641)	(2,157,091)	(975,082)	960,283	1,425,551	(5,255,295)
6	(26,362)	(22,406)	(17,721)	(15,336)	(16,449)	(17,715)	(20,686)	(27,040)	(34,063)	(38,142)	(35,601)	(27,938)	(299,459)
7	0	0	0	0	0	0	0	0	0	0	0	0	0
8	(7,706,868)	(6,410,605)	(5,213,870)	(3,748,155)	(3,725,453)	(4,062,343)	(4,251,151)	(5,485,186)	(7,241,628)	(8,790,542)	(9,161,527)	(7,594,606)	(7,706,868)
9	642,239	642,239	642,239	642,239	642,239	642,239	642,239	642,239	642,239	642,239	642,239	642,239	7,706,868
10	(\$6,410,605)	(\$5,213,870)	(\$3,748,155)	(\$3,725,453)	(\$4,062,343)	(\$4,251,151)	(\$5,485,186)	(\$7,241,628)	(\$8,790,542)	(\$9,161,527)	(\$7,594,606)	(\$5,554,754)	(\$5,554,754)

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Calculation of ECCR Revenues
January 2024 - December 2024

Line No.	Month	Jurisdictional mWh Sales	Revenues
1	January	3,110,139	\$9,102,365
2	February	2,716,615	8,082,418
3	March	2,606,534	7,639,048
4	April	2,872,842	8,508,272
5	May	3,229,302	9,211,975
6	June	3,649,380	10,732,540
7	July	4,015,483	11,863,930
8	August	3,997,277	11,855,953
9	September	4,016,336	11,869,663
10	October	3,693,045	10,837,166
11	November	2,962,091	8,593,173
12	December	2,754,392	8,005,520
13	Total	39,623,435	\$116,302,024

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 2024 - December 2024: 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 2024 - December 2024: Costs for this program are projected to be \$5,308,465.

Program Progress Summary: As of June 30, 2023, 19,485 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 2024 - December 2024: DEF estimates that 14,379 completions will be performed through this program during the projection period.

Program Fiscal Costs - January 2024 - December 2024: Costs for this program are projected to be \$4,411,806.

Program Progress Summary: As of June 30, 2023, DEF has provided incentives to customers for a total of 5,078 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 2024 - December 2024: DEF's projections assume that energy conservation measures will be installed in 5,250 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 2024 - December 2024: Costs for this program are projected to be \$4,870,504.

Program Progress Summary: As of June 30, 2023, DEF has installed measures on 3,242 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 2024 - December 2024: It is estimated that energy efficiency weatherization measures will be installed on approximately 244 residential homes.

Program Fiscal Costs - January 2024 - December 2024: Costs for this program are projected to be \$343,500.

Program Progress Summary: As of June 30, 2023, measures have been installed on 109 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 2024 - December 2024: During this period, DEF anticipates adding 2,500 new participants to this program.

Program Fiscal Costs - January 2024 - December 2024: Program costs during this period are projected to be \$37,728,186.

Program Progress Summary: Through June 30, 2023, DEF added a total of 896 new participants to this program. In 2024 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 2024 - December 2024: It is estimated that 600 customers will participate in this program during the projection period.

Program Fiscal Costs - January 2024 - December 2024: Costs for this program are projected to be \$1,005,202.

Program Progress Summary: As of June 30, 2023, DEF has performed a total of 245 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 2024 - December 2024: DEF's 2024 projected costs are based on the measures and projected participation included in the 2020 Program Plan and include approximately \$600,000 in incentives to customers.

Program Fiscal Costs - January 2024 - December 2024: Costs for this program are projected to be \$2,160,570.

Program Progress Summary: As of June 30, 2023, DEF has provided \$198,174 in incentives to 113 customers through this program and expects to provide an additional \$195,000 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 2024 - December 2024: DEF estimates that 50 customers will participate in the program during the projection period.

Program Fiscal Costs - January 2024 - December 2024: Costs for this program are projected to be \$596,883.

Program Progress Summary: As of June 30, 2023, 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 2024 - December 2024: DEF estimates that 8 new installations will be completed during the projection period.

Program Fiscal Costs - January 2024 - December 2024: Expenses for this program are projected to be \$6,065,621.

Program Progress Summary: As of June 30, 2023, there are currently a total of 184 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 2024 - December 2024: 2 new accounts are estimated to sign up for this program during the projection period.

Program Fiscal Costs - January 2024 - December 2024: Costs for this program are projected to be \$52,579,018.

Program Progress Summary: As of June 30, 2023, there are currently a total of 172 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 2024 - December 2024: DEF is projecting to add 1 new participant during the projection period.

Program Fiscal Costs - January 2024 - December 2024: Costs for this program are projected to be \$3,031,116.

Program Progress Summary: As of June 30, 2023, there are 4 customers participating in this program.

Program Description and Progress

Program Title: Technology Development

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

Program Projections - January 2024 - December 2024: 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 2024:

- Energy Management Circuit Breakers
- Smart Charging for Electric Transportation
- USF Renewable Energy Storage
- UCF Long Duration Energy Storage
- Home Energy Management System Demand Response
- Vehicle to Grid Pilot
- EPRI programs (energy efficiency, energy storage, integration of renewable resources, electric transportation infrastructure)

Program Fiscal Costs - January 2024 - December 2024: 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:

- Energy Management Circuit Breaker (EMCB) Project: This project will continue to explore the potential for developing a Florida program for customer circuit breakers that include communication, metering and remote operation for potential applications including energy efficiency, demand response and integration of distributed energy resources. We will continue to test smart breaker applications including smart breakers that have electric vehicle charging capabilities in other projects including the Home Energy Management Project and V2G Demonstration Project. DEF will document the operation of these breakers and assess the cost-effectiveness for potential EE and DR programs.

Program Description and Progress

- EVSE Monitoring and Control Platform Pilot: This project will develop and test a EVSE monitoring and control platform. This DEF developed 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.
- USF Renewable Energy Storage System: This project will continue to evaluate the use of a customer-sited energy storage system and a solar photovoltaic (PV) installation to renewably control customer demand, including high demand spikes from fast electric vehicle charging. DEF will also determine the feasibility of a potential DSM program using the solar and energy storage systems. The renewable energy storage system will also have the capability to supply loads during a prolonged utility outage (due to storms, etc.). This project has an online dashboard that is open to the public and provides solar, energy storage and load data (<https://dashboards.epri.com/duke-usfsp-parking>).
- UCF Long-Duration Energy Storage Project: This project is a collaboration with UCF to document the value of long duration customer-side energy storage systems. Long duration energy storage (4 hours+) may be best achieved by employing technologies other than Lithium Ion. This project is using the technology at UCFs Microgrid Control lab to directly test a long duration vanadium flow battery energy storage system in multiple use cases, including integration of solar PV, operation, and control of smart building loads for demand response and study of battery performance.
- Home Energy Management for Energy Efficiency and Demand Response: This project will develop software, firmware and applications for a Smart Home Gateway that will enable demand response. The Smart Home Gateway currently includes processing and communications capabilities to perform on-site operations including receiving energy data from the AMI meter. DEF plans to develop local control integration with CTA-2045 (EcoPort) appliances and the Eaton Energy Management Circuit Breaker (EMCB) to test water heater, pool pump, electric vehicle service equipment and thermostats demand response. DEF also plans to develop bindings to control common IoT devices, such as commonly available

Program Description and Progress

thermostats, lighting, smart plugs, etc. Demand response capabilities will be developed using the CTA-2045 and Open ADR protocols. DEF will document this project for a potential Energy Efficiency and Demand Response Program.

- **Vehicle to Grid Pilot:** This project will evaluate the demand response capability of the Ford Lightning EV in a Vehicle-to-Grid configuration. The pilot will consist of lab testing of the vehicle, EVSE and home integration system. We will also test the system in 4 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 used as a part of DEF's Demand Response Program.

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 2024 - December 2024: 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 2024 due to new 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 2023 and throughout 2024.

Program Fiscal Costs - January 2024 - December 2024: Costs for this program are projected to be \$857,800.

Program Progress Summary: For 2023, 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

Program Description and Progress

average are delivering energy to the company under DEF's non-firm COG-1 tariff contract. DEF continues to monitor the potential COG-1 renewable QFs that are under development in its balancing authority. DEF is managing over 4,100 MW as of June 2023 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
Energy Conservation Cost Recovery
January 2023 - December 2023
Approved Capital Structure and Cost Rates**

FPSC Docket No. 20230002-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	\$ 8,189,446	44.99%	10.10%	4.54%	6.08%	0.5067%
2 Long Term Debt	6,956,821	38.22%	4.48%	1.71%	1.71%	0.1425%
3 Short Term Debt	217,724	1.20%	4.65%	0.06%	0.06%	0.0050%
4 Cust Dep Active	153,136	0.84%	2.50%	0.02%	0.02%	0.0017%
5 Cust Dep Inactive	1,472	0.01%			0.00%	0.0000%
6 Invest Tax Cr	190,777	1.05%	7.36%	0.08%	0.10%	0.0083%
7 Deferred Inc Tax	2,491,658	13.69%			0.00%	0.0000%
8 Total \$	18,201,033	100.00%		6.41%	7.97%	0.6642%

	ITC split between Debt and Equity**:	Ratio	Cost Rate	Ratio	Ratio	ITC	Weighted ITC	After Gross-up	
9	Common Equity	8,189,446	54%	10.1%	5.46%	72.6%	0.08%	0.0581%	0.078%
10	Preferred Equity	-	0%				0.08%	0.0000%	0.000%
11	Long Term Debt	6,956,821	46%	4.48%	2.06%	27.4%	0.08%	0.0219%	0.022%
12		15,146,266	100%		7.52%			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) 6.158%
14	Total Debt Component (Lines 2, 3, 4, and 11) 1.812%
15	Total Revenue Requirement Rate of Return 7.970%

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
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
Energy Conservation Cost Recovery
January 2024 - December 2024
Projected Capital Structure and Cost Rates

FPSC Docket No. 20230002-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	\$ 8,671,796	45.42%	10.10%	4.59%	6.15%	0.5125%
2 Long Term Debt	7,378,491	38.64%	4.43%	1.71%	1.71%	0.1425%
3 Short Term Debt	299,791	1.57%	4.19%	0.07%	0.07%	0.0058%
4 Cust Dep Active	154,823	0.81%	2.50%	0.02%	0.02%	0.0017%
5 Cust Dep Inactive	1,488	0.01%			0.00%	0.0000%
6 Invest Tax Cr	193,483	1.01%	7.46%	0.08%	0.10%	0.0083%
7 Deferred Inc Tax	2,394,306	12.54%			0.00%	0.0000%
8 Total \$	19,094,178	100.00%		6.47%	8.05%	0.6708%

	ITC split between Debt and Equity**:	Ratio	Cost Rate	Ratio	Ratio	ITC	Weighted ITC	After Gross-up	
9	Common Equity	8,671,796	54%	10.1%	5.46%	72.8%	0.08%	0.0583%	0.078%
10	Preferred Equity	-	0%				0.08%	0.0000%	0.000%
11	Long Term Debt	7,378,491	46%	4.43%	2.04%	27.2%	0.08%	0.0217%	0.022%
12	ITC Cost Rate	16,050,287	100%		7.49%			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) 6.228%
14	Total Debt Component (Lines 2, 3 , 4 , and 11) 1.822%
15	Total Revenue Requirement Rate of Return 8.050%

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
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