



Matthew R. Bernier
ASSOCIATE GENERAL COUNSEL

August 7, 2020

VIA ELECTRONIC DELIVERY

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. 20200002-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 Petition; and
- Direct Testimony of Lori Cross with attached Exhibit No. ___ (LJC-1P).

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

Sincerely,

s/ Matthew R. Bernier

Matthew R. Bernier

MRB/cmw
Enclosures

cc: Parties of Record

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Energy Conservation Cost Recovery

Docket No. 20200002-EG

Filed: August 7, 2020

**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 2021 THROUGH DECEMBER 2021**

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 2021 through December 2021. In support thereof, the Company states:

1. DEF projects total conservation program costs of \$119,042,633 for the period January 2021 through December 2021.

2. The net true-up is an under-recovery of \$1,488,738, which includes the final conservation under-recovery of \$762,858 for the period January 2019 through December 2019 as shown on DEF’s schedule CT-1 filed May 1, 2020, and the actual/estimated true-up under-recovery for January 2020 through December 2020 of \$725,880.

3. The total recoverable conservation costs including prior period under-recoveries to be recovered during the January 2021 through December 2021 billing period are \$120,561,022.

4. Based upon the required true-up and projected expenditures, DEF has calculated the required conservation cost recovery factors for the period January 2021 through December 2021 as follows:

2021 ECCR Billing Factors

<u>Retail Rate Schedule</u>	<u>Secondary Voltage</u>	<u>Primary Voltage</u>	<u>Transmission Voltage</u>
Residential (Cents/kWh)	.338	N/A	N/A
General-Service-Non-Demand (Cents/kWh)	.326	.323	.319
General Service 100% Load Factor (Cents/kWh)	.223	N/A	N/A
General Service Demand (\$/kW)	1.08	1.07	1.06
Curtaillable (\$/kW)	.35	.35	.34
Interruptible (\$/kW)	.94	.93	.92
Standby Monthly (\$/kW)	.104	.103	.102
Standby Daily (\$/kW)	.050	.050	.049
Lighting (Cents/kWh)	.098	N/A	N/A

WHEREFORE, Duke Energy Florida, LCC, 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 2021 through December 2021 billing period.

RESPECTFULLY SUBMITTED this 7th day of August, 2020.

/s/ Matthew R. Bernier

DIANNE M. TRIPLETT
Deputy General Counsel
Duke Energy Florida, LLC.
299 First Avenue North
St. Petersburg, FL 33701
T: 727.820.4692
F: 727.820.5041
E: Dianne.Triplett@duke-energy.com

MATTHEW R. BERNIER
Associate General Counsel
Duke Energy Florida, LLC
106 East College Avenue
Suite 800
Tallahassee, Florida 32301
T: 850.521.1428
F: 727.820.5041
E: Matthew.Bernier@duke-energy.com

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished to the following by electronic mail this 7th day of August, 2020, to all parties of record as indicated below.

s/ Matthew R. Bernier

Attorney

<p>Margo DuVal Office of General Counsel Florida Public Service Commission 2540 Shumard Oak Blvd. Tallahassee, FL 32399-0850 mduval@psc.state.fl.us</p> <p>J. Beasley / J. Wahlen / M. Means P.O. Box 391 Tallahassee, FL 32302 jbeasley@ausley.com jwahlen@ausley.com mmeans@ausley.com</p> <p>Russell A. Badders Gulf Power Company One Energy Place Pensacola, FL 32520-0780 russell.badders@nexteraenergy.com</p> <p>Holly Henderson Gulf Power Company 215 S. Monroe St., Ste. 618 Tallahassee, FL 32301 holly.henderson@nexteraenergy.com</p> <p>Steven R. Griffin P.O. Box 12950 Pensacola, FL 32591 srg@beggslane.com</p> <p>Jon C. Moyle, Jr. 118 North Gadsden Street Tallahassee, FL 32301 jmoyle@moylelaw.com mqualls@moylelaw.com</p> <p>Maria Moncada Florida Power & Light Company 700 Universe Boulevard (LAW/JB) Juno Beach, FL 33408-0420 maria.moncada@fpl.com</p>	<p>James W. Brew / Laura A. Wynn 1025 Thomas Jefferson Street, N.W. Eighth Floor, West Tower Washington, D.C. 20007 jbrew@smxblaw.com law@smxblaw.com</p> <p>Beth Keating 215 South Monroe Street, Suite 601 Tallahassee, FL 32301 bkeating@gunster.com</p> <p>Ms. Paula K. Brown Tampa Electric Company P.O. Box 111 Tampa, FL 33601 regdept@tecoenergy.com</p> <p>Kenneth A. Hoffman Florida Power & Light Company 215 S. Monroe Street, Suite 810 Tallahassee, FL 32301-1858 ken.hoffman@fpl.com</p> <p>C. Rehwinkel / J. R. Kelly / T. David / P. Christensen Office of Public Counsel c/o The Florida Legislature 111 West Madison Street, Room 812 Tallahassee, FL 32399 rehwinkel.charles@leg.state.fl.us kelly_jr@leg.state.fl.us david.tad@leg.state.fl.us christensen.patty@leg.state.fl.us</p> <p>Mike Cassel Florida Public Utilities Company 1750 S. 14th Street, Suite 200 Fernandina Beach, FL 32034 mcassel@fpuc.com</p>
--	---

DUKE ENERGY FLORIDA
DOCKET No. 20200002-EG

Energy Conservation Cost Recovery
2020 Actual / Estimated and 2021 Projected Costs

DIRECT TESTIMONY OF
Lori J. Cross

August 7, 2020

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

2 A. My name is Lori J. Cross. My business address is 299 First Avenue North, St.
3 Petersburg, FL 33701.

4

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

6 A. I am employed by Duke Energy Business Services, LLC (“DEBS”), as Strategy
7 Collaboration Director in the Portfolio Analysis and Regulatory Strategy
8 Department. DEBS is a service-company affiliate of Duke Energy Florida, LLC
9 (“Duke Energy Florida”, “DEF”, or the “Company”).

10

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

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

16

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
3 Company's DSM programs. I will detail the projected costs for each program,
4 explain how these costs are presented in my attached exhibit, and show the
5 resulting projected Energy Conservation Cost Recovery ("ECCR") factors for
6 2021 customer billings.

7
8 **Q. For what programs does Duke Energy Florida seek recovery?**

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

- 14 • Home Energy Check
- 15 • Residential Incentive Program
- 16 • Neighborhood Energy Saver
- 17 • Low-Income Weatherization Assistance Program
- 18 • Energy Management (Residential and Commercial)
- 19 • Business Energy Check
- 20 • Better Business
- 21 • Florida Custom Incentive
- 22 • Standby Generation
- 23 • Interruptible Service

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24

- Curtailable Service
- Technology Development
- Qualifying Facility

Q. Do you have any exhibits to your testimony?

A. Yes. Exhibit No._(LJC-1P) supports Duke Energy Florida’s energy conservation calculations for the 2020 actual/estimated period and the 2021 projection period. There are six (6) schedules included in this exhibit.

Q. Will you please explain your exhibit?

A. Yes. Exhibit No._(LJC-1P) presents Schedules C-1 through C-6. Schedules C-1 to C-4 provide projected program costs for calendar year 2021 along with an updated projection of program costs for 2020. The 2020 updated projection of costs includes the actual costs incurred for the period from January 2020 through June 2020 and forecasted costs for July through December 2020. Schedule C-5 provides a brief summary report for each program that includes a program description, estimated annual program expenditures for 2021, and a summary of program accomplishments through the period ending June 2020. 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 2021 by rate class.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22

Q. What does Schedule C-2 show?

A. Schedule C-2 provides annual and monthly conservation program cost estimates for the 2021 projection period for each conservation program, as well as for common administration expenses. Additionally, Schedule C-2 presents program costs by specific category (e.g., payroll, materials, incentives, etc.) and includes a schedule of estimated capital investments, depreciation and return for the projection period.

Q. Would you please discuss Schedule C-3?

A. Schedule C-3 contains a detailed breakdown of conservation program costs by specific category and by month for the period of January through June 2020 (actual) and July through December 2020 (estimated). In addition, Schedule C-3 presents a schedule of capital investment, depreciation and return, an energy conservation adjustment calculation of true-up, and a calculation of interest provision for the 2020 actual/estimated period.

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

A. Schedule C-4 provides the projected ECCR revenues for the 2021 projection period.

Q. Would you please discuss Schedule C-5?

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

4

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

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

8

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

10 A. Yes. Schedule C-2, Page 1 of 5, Line 22, shows total 2021 projected program
11 costs of \$119,042,633 plus a prior period under-recovery of \$1,488,738
12 resulting in estimated net revenue requirements in 2021 of \$120,561,022, after
13 applying the revenue expansion factor of 1.000246. The following table includes
14 DEF's proposed ECCR billing factors, by retail rate class and voltage level for
15 calendar year 2021, as contained in Schedule C-1, Page 2 of 2.

16

17

18

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

2021 ECCR Billing Factors

	Secondary	Primary	Transmission
<u>Retail Rate Schedule</u>	<u>Voltage</u>	<u>Voltage</u>	<u>Voltage</u>
Residential (Cents/kWh)	.338	N/A	N/A
General-Service-Non-Demand (Cents/kWh)	.326	.323	.319
General Service 100% Load Factor (Cents/kWh)	.223	N/A	N/A
General Service Demand (\$/kW)	1.08	1.07	1.06
Curtable (\$/kW)	.35	.35	.34
Interruptible (\$/kW)	.94	.93	.92
Standby Monthly (\$/kW)	.104	.103	.102
Standby Daily (\$/kW)	.050	.050	.049
Lighting (Cents/kWh)	.098	N/A	N/A

Q. Does this conclude your testimony?

A. Yes.

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Calculation of Energy & Demand Allocation % by Rate Class
January 2021 - December 2021

Duke Energy Florida, LLC
Witness Lori J. Cross
Exhibit No. (LJC-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) (2)/(8760hrsx(1))	(4) Delivery Efficiency Factor	(5) Sales at Source (Generation) (mWh) (2)/(4)	(6) Avg 12 CP at Source (MW) (3)/(4)	(7) Annual Average Demand (5)/(8760hrs)	(8) mWh Sales at Source Energy Allocator (%)	(9) 12 CP Demand Allocator (%)	(10) 12CP & 1/13 AD Demand Allocator (%)
Residential										
RS-1, RST-1, RSL-1, RSL-2, RSS-1 Secondary	0.548	21,141,521	4,405.75	0.9307248	22,715,115	4,733.68	2,593.05	53.677%	61.440%	60.843%
General Service Non-Demand										
GS-1, GST-1										
Secondary	0.576	2,057,599	408.02	0.9307248	2,210,749	438.39	252.37	5.224%	5.690%	5.654%
Primary	0.576	14,043	2.78	0.9736607	14,423	2.86	1.65	0.034%	0.037%	0.037%
Transmission	0.576	2,593	0.51	0.9836607	2,636	0.52	0.30	0.006%	0.007%	0.007%
								5.264%	5.734%	5.698%
General Service GS-2 Secondary	1.000	194,563	22.21	0.9307248	209,044	23.86	23.86	0.494%	0.310%	0.324%
General Service Demand										
GSD-1, GSDT-1										
Secondary	0.742	10,950,999	1,683.92	0.9307248	11,766,098	1,809.26	1,343.16	27.804%	23.483%	23.815%
Primary	0.742	2,001,891	307.83	0.9736607	2,056,046	316.16	234.71	4.859%	4.104%	4.162%
Sec Del/Primary Mtr	0.742	28,262	4.35	0.9736607	29,027	4.46	3.31	0.069%	0.058%	0.059%
Transmission	0.742	103,104	15.85	0.9836607	104,817	16.12	11.97	0.248%	0.209%	0.212%
SS-1 Primary	0.796	36,645	5.26	0.9736607	37,636	5.40	4.30	0.089%	0.070%	0.072%
Transm Del/ Transm Mtr	0.796	5,412	0.78	0.9836607	5,502	0.79	0.63	0.013%	0.010%	0.010%
Transm Del/ Primary Mtr	0.796	1,821	0.26	0.9736607	1,870	0.27	0.21	0.004%	0.003%	0.004%
								33.085%	27.938%	28.334%
Curtaillable										
CS-1, CST-1, CS-2, CST-2										
Secondary	1.082	0	0.00	0.0000000	0	0.00	0.00	0.000%	0.000%	0.000%
Primary	1.082	61,840	6.52	0.9736607	63,513	6.70	7.25	0.150%	0.087%	0.092%
SS-3 Primary	1.248	68,295	6.25	0.9736607	70,142	6.42	8.01	0.166%	0.083%	0.090%
								0.316%	0.170%	0.181%
Interruptible										
IS-1, IST-1, IS-2, IST-2										
Secondary	0.911	445,099	55.76	0.9307248	478,228	59.91	54.59	1.130%	0.778%	0.805%
Sec Del/Primary Mtr	0.911	5,866	0.73	0.9736607	6,025	0.75	0.69	0.014%	0.010%	0.010%
Primary Del / Primary Mtr	0.911	1,226,102	153.60	0.9736607	1,259,270	157.75	143.75	2.976%	2.048%	2.119%
Primary Del / Transm Mtr	0.911	301	0.04	0.9836607	306	0.04	0.03	0.001%	0.000%	0.001%
Transm Del/ Transm Mtr	0.911	459,412	57.55	0.9836607	467,043	58.51	53.32	1.104%	0.759%	0.786%
Transm Del/ Primary Mtr	0.911	369,971	46.35	0.9736607	379,979	47.60	43.38	0.898%	0.618%	0.639%
SS-2 Primary	0.686	14,726	2.45	0.9736607	15,124	2.52	1.73	0.036%	0.033%	0.033%
Transm Del/ Transm Mtr	0.686	3,450	0.57	0.9836607	3,507	0.58	0.40	0.008%	0.008%	0.008%
Transm Del/ Primary Mtr	0.686	45,318	7.54	0.9736607	46,544	7.75	5.31	0.110%	0.101%	0.101%
								6.276%	4.353%	4.501%
Lighting										
LS-1 (Secondary)	10.191	349,344	3.91	0.9307248	375,347	4.20	42.85	0.887%	0.055%	0.119%
		39,588,176	7,198.81		42,317,991	7,704.50	4,830.82	100.000%	100.000%	100.000%

Notes:

- | | |
|--|---|
| (1) Average 12CP load factor based on load research study filed July 31, 2018 (Rule 25-6-0437 (7)) | (6) Column 3 / Column 4 |
| (2) Projected kWh sales for the period January 2021 to December 2021 | (7) Column 5 / 8,760 hours |
| (3) Calculated: Column 2 / (8,760 hours x Column 1) | (8) Column 5 / Total Column 5 |
| (4) Based on system average line loss analysis for 2019 | (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 2021 - December 2021

Rate Class	(1) mWh Sales at Source Energy Allocator (%)	(2) 12CP & 1/13 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	53.677%	60.843%	\$ 13,819,818	\$ 57,688,464	\$ 71,508,282	21,141,521				0.338
General Service Non-Demand										
GS-1, GST-1										
Secondary						2,057,599				0.326
Primary						13,903				0.323
Transmission						2,541				0.319
TOTAL GS	5.264%	5.698%	\$ 1,355,393	\$ 5,402,423	\$ 6,757,815	2,074,042				
General Service										
GS-2 Secondary	0.494%	0.324%	\$ 127,182	\$ 307,113	\$ 434,295	194,563				0.223
General Service Demand										
GSD-1, GSDT-1, SS-1*										
Secondary						10,950,999			1.08	
Primary						2,047,933			1.07	
Transmission						106,346			1.06	
TOTAL GSD	33.085%	28.334%	\$ 8,518,170	\$ 26,864,395	\$ 35,382,565	13,105,277	54.71%	32,811,189		
Curtable										
CS-1, CST-1, CS-2, CST-2, CS-3, CST-3, SS-3*										
Secondary						-			0.35	
Primary						128,834			0.35	
Transmission						-			0.34	
TOTAL CS	0.316%	0.181%	\$ 81,316	\$ 172,032	\$ 253,347	128,834	24.10%	732,258		
Interruptible										
IS-1, IST-1, IS-2, IST-2, SS-2*										
Secondary						445,099			0.94	
Primary						1,645,363			0.93	
Transmission						453,900			0.92	
TOTAL IS	6.276%	4.501%	\$ 1,615,920	\$ 4,267,984	\$ 5,883,905	2,544,362	55.84%	6,242,183		
Lighting										
LS-1 Secondary	0.887%	0.119%	\$ 228,360	\$ 112,452	\$ 340,812	349,344				0.098
	100.000%	100.000%	\$ 25,746,159	\$ 94,814,863	\$ 120,561,022	39,537,943				0.305

- Notes:
- (1) From Schedule C-1 1P, Column 8
 - (2) From Schedule C-1 1P, 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	\$41,519,817	39,785,630	1.04
SS-1 2 3 - \$/kW-mo	Secondary	Primary	Transmission
Monthly - \$1.04/kW * 10%	0.104	0.103	0.102
Daily - \$1.04/kW / 21	0.050	0.050	0.049

**Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Estimated Conservation Program Costs
January 2021 - December 2021**

FPSC Docket No. 2020002-EG
Duke Energy Florida, LLC
Witness: Lori J. Cross
Exhibit No. ___(LJC-1P)
Schedule C-2
Page 1 of 5

Line No.	Program Demand (D) or Energy (E)	12 Month Total
1	Home Energy Check (E)	\$4,753,922
2	Residential Incentive Program (E)	6,837,563
3	Business Energy Check (E)	687,465
4	Better Business (E)	2,193,766
5	Technology Development (E)	607,117
6	Florida Custom Incentive (Innovation Incentive) (E)	804,410
7	Interruptible Service (D)	45,016,922
8	Curtable Service (D)	2,503,096
9	Energy Management (Residential & Commercial) (D)	40,649,516
10	Low Income Weatherization Assistance Program (E)	367,239
11	Standby Generation (D)	5,333,281
12	Qualifying Facility (E)	1,725,910
13	Neighborhood Energy Saver (E)	4,950,451
14	Conservation Program Admin (E)	1,791,975
15	Conservation Program Admin (D)	820,000
16	Total ECCR Program Costs	<u><u>\$119,042,633</u></u>

Line	12 Months	2020 End of Period Net True-Up (Over)/Under Recovery	Total Costs	Revenue Expansion Factor	Total Recoverable Costs
17					
18					
19	<u>Total</u>				
20	\$24,719,819	\$1,020,008	\$25,739,827	1.000246	\$25,746,159
21	94,322,814	468,730	94,791,544	1.000246	94,814,863
22	<u><u>\$119,042,633</u></u>	<u><u>\$1,488,738</u></u>	<u><u>\$120,531,371</u></u>		<u><u>\$120,561,022</u></u>

Duke Energy Florida, LLC
 Energy Conservation Cost Recovery
 Estimated Conservation Program Costs
 January 2021 - December 2021

Line No.	Program Demand (D) or Energy (E)	Est Jan-21	Est Feb-21	Est Mar-21	Est Apr-21	Est May-21	Est Jun-21	Est Jul-21	Est Aug-21	Est Sep-21	Est Oct-21	Est Nov-21	Est Dec-21	Total
1	Home Energy Check (E)	\$667,037	\$363,336	\$381,853	\$374,682	\$371,856	\$379,590	\$385,400	\$375,937	\$363,194	\$369,488	\$357,787	\$363,760	\$4,753,922
2	Residential Incentive Program (E)	569,005	476,922	566,515	601,546	585,876	635,996	586,214	623,547	580,010	576,415	571,022	464,495	6,837,563
3	Business Energy Check (E)	51,402	51,402	61,845	52,647	52,167	61,077	77,479	52,167	61,557	52,167	60,917	52,639	687,465
4	Better Business (E)	184,127	179,127	183,000	182,850	186,170	182,800	181,378	181,170	187,800	181,170	181,170	183,008	2,193,766
5	Technology Development (E)	30,344	29,726	29,414	25,975	32,441	32,441	32,441	32,441	46,891	62,124	126,441	126,441	607,117
6	Florida Custom Incentive Program (E)	66,398	66,398	66,848	66,848	66,848	66,848	68,410	66,848	66,848	66,848	66,848	68,418	804,410
7	Interruptible Service (D)	3,686,608	3,691,211	3,697,744	3,751,448	3,757,641	3,761,323	3,766,246	3,771,158	3,776,059	3,780,951	3,785,832	3,790,700	45,016,922
8	Curtailable Service (D)	208,591	208,591	208,591	208,591	208,591	208,591	208,591	208,591	208,591	208,591	208,591	208,591	2,503,096
9	Energy Management (Residential & Commercial) (D)	3,384,122	3,357,713	3,395,841	3,417,663	3,390,234	3,379,512	3,367,105	3,401,488	3,389,470	3,368,913	3,405,653	3,391,802	40,649,516
10	Low Income Weatherization Assistance Program (E)	30,582	27,103	36,947	28,437	31,437	33,437	28,527	34,947	35,457	29,947	29,437	20,983	367,239
11	Standby Generation (D)	462,736	427,311	426,541	466,843	429,929	431,623	470,570	433,317	435,011	474,297	436,705	438,399	5,333,281
12	Qualifying Facility (E)	186,601	186,651	173,965	164,015	163,965	104,015	145,195	104,015	143,965	104,015	143,965	105,544	1,725,910
13	Neighborhood Energy Saver (E)	344,690	393,453	447,915	423,801	421,604	424,154	442,004	444,750	458,964	440,186	410,052	298,879	4,950,451
14	Conservation Program Admin (E)	146,919	146,917	149,273	149,269	149,265	149,263	152,041	149,255	149,252	149,249	149,247	152,025	1,791,975
15	Conservation Program Admin (D)	67,217	67,217	68,301	68,301	68,301	68,301	69,579	68,301	68,301	68,301	68,301	69,579	820,000
16	Total ECCR Program Costs	\$10,086,381	\$9,673,079	\$9,894,592	\$9,982,916	\$9,916,324	\$9,918,970	\$9,981,180	\$9,947,931	\$9,971,370	\$9,932,662	\$10,001,965	\$9,735,264	\$119,042,633
17	<u>Demand & Energy Summary</u>													
18	Energy	\$2,277,106	\$1,921,035	\$2,097,574	\$2,070,069	\$2,061,628	\$2,069,620	\$2,099,088	\$2,065,075	\$2,093,937	\$2,031,609	\$2,096,884	\$1,836,193	\$24,719,819
19	Demand	7,809,275	7,752,043	7,797,017	7,912,847	7,854,696	7,849,350	7,882,092	7,882,855	7,877,433	7,901,053	7,905,081	7,899,071	94,322,814
20	Total Demand & Energy Costs	\$10,086,381	\$9,673,079	\$9,894,592	\$9,982,916	\$9,916,324	\$9,918,970	\$9,981,180	\$9,947,931	\$9,971,370	\$9,932,662	\$10,001,965	\$9,735,264	\$119,042,633

Duke Energy Florida, LLC
 Energy Conservation Cost Recovery
 Estimated Conservation Program Costs
 January 2021 - December 2021

Line No.	Program Demand (D) or Energy (E)	Depreciation, Amortization & Return	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Incentives	Vehicles	Other	Program Revenues (Credits)	Total
1	Home Energy Check (E)	\$0	\$2,806,855	\$32,089	\$588,166	\$638,000	\$496,499	\$113,844	\$78,468	\$0	\$4,753,922
2	Residential Incentive Program (E)	0	1,893,720	17,702	296,564	472,000	4,070,099	54,133	33,344	0	6,837,563
3	Business Energy Check (E)	0	381,354	29,620	165,608	53,543	35,000	7,440	14,900	0	687,465
4	Better Business (E)	0	1,078,802	21,120	302,828	67,278	670,200	18,100	35,439	0	\$2,193,766
5	Technology Development (E)	0	159,129	24,000	398,396	0	0	10,592	15,000	0	607,117
6	Florida Custom Incentive Program (E)	0	233,093	4,470	274,204	39,600	208,400	4,360	40,284	0	804,410
7	Interruptible Service (D)	165,416	203,648	82,248	0	0	44,550,800	9,600	5,210	0	45,016,922
8	Curtable Service (D)	0	16,240	0	0	0	2,486,856	0	0	0	2,503,096
9	Energy Management (Residential & Commercial) (D)	10,016,721	2,076,561	19,241	1,612,336	312,000	26,441,171	51,708	119,777	0	40,649,516
10	Low Income Weatherization Assistance Program (E)	0	126,181	0	0	32,500	202,058	1,000	5,500	0	367,239
11	Standby Generation (D)	0	229,654	265,000	0	0	4,827,086	4,787	6,754	0	5,333,281
12	Qualifying Facility (E)	0	1,106,334	1,000	600,000	0	0	3,000	15,575	0	1,725,910
13	Neighborhood Energy Saver (E)	0	201,683	0	293,250	78,856	4,349,239	499	26,925	0	4,950,451
14	Conservation Program Admin (E)	7,569	1,279,909	6,851	342,575	0	0	685	154,387	0	1,791,975
15	Conservation Program Admin (D)	0	588,165	3,149	157,425	0	0	315	70,946	0	820,000
16	Total ECCR Program Costs	\$10,189,706	\$12,381,327	\$506,490	\$5,031,353	\$1,693,777	\$88,337,407	\$280,063	\$622,509	\$0	\$119,042,633
17	Demand & Energy Summary										
18	Energy	\$7,569	\$9,267,060	\$136,853	\$3,261,591	\$1,381,777	\$10,031,495	\$213,653	\$419,821	\$0	\$24,719,819
19	Demand	10,182,137	3,114,268	369,638	1,769,762	312,000	78,305,913	66,410	202,687	0	94,322,814
20	Total Demand & Energy Costs	\$10,189,706	\$12,381,327	\$506,490	\$5,031,353	\$1,693,777	\$88,337,407	\$280,063	\$622,509	\$0	\$119,042,633

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Schedule of Capital Investment, Depreciation & Return
January 2021 - December 2021

FPSC Docket No. 2020002-EG
Duke Energy Florida, LLC
 Witness: Lori J. Cross
 Exhibit No. (LJC-1P)
 Schedule C-2
 Page 4 of 5

Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Est Jan-21	Est Feb-21	Est Mar-21	Est Apr-21	Est May-21	Est Jun-21	Est Jul-21	Est Aug-21	Est Sep-21	Est Oct-21	Est Nov-21	Est Dec-21	Total
1	Conservation Program Admin (E)														
2	Investments		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
4	Depreciation Base		29,481	29,481	29,481	29,481	29,481	29,481	29,481	29,481	29,481	29,481	29,481	29,481	29,481
5															
6	Depreciation Expense		491	491	491	491	491	491	491	491	491	491	491	491	5,892
7															
8	Cumulative Investment	29,481	29,481	29,481	29,481	29,481	29,481	29,481	29,481	29,481	29,481	29,481	29,481	29,481	29,481
9	Less: Accumulated Depreciation	5,401	5,892	6,383	6,874	7,365	7,856	8,347	8,838	9,329	9,820	10,311	10,802	11,293	11,293
10	Net Investment	24,080	23,589	23,098	22,607	22,116	21,625	21,134	20,643	20,152	19,661	19,170	18,679	18,188	18,188
11	Average Investment		23,835	23,344	22,853	22,362	21,871	21,380	20,889	20,398	19,907	19,416	18,925	18,434	
12	Return on Average Investment		127	126	123	120	117	115	112	109	106	104	102	99	1,360
13															
14	Return Requirements		157	155	152	148	144	142	138	134	131	128	126	122	1,677
15															
16	Program Total		\$648	\$646	\$643	\$639	\$635	\$633	\$629	\$625	\$622	\$619	\$617	\$613	\$7,569
17	Interruptible Service (D)														
18	Investments		95,575	95,575	95,575	95,575	95,575	95,575	95,575	95,575	95,575	95,575	95,575	95,575	\$1,146,900
19	Retirements		44,502	0	0	0	48	0	0	0	0	0	0	0	44,500
20	Depreciation Base		94,122	167,446	263,021	358,596	454,147	549,698	645,273	740,848	836,423	931,998	1,027,573	1,123,148	
21															
22	Depreciation Expense		1,569	2,791	4,384	5,977	7,569	9,162	10,755	12,348	13,941	15,534	17,127	18,720	119,877
23															
24	Cumulative Investment	116,373	167,446	263,021	358,596	454,171	549,698	645,273	740,848	836,423	931,998	1,027,573	1,123,148	1,218,723	1,218,723
25	Less: Accumulated Depreciation	73,923	30,990	33,781	36,165	44,142	51,663	60,825	71,580	83,928	97,869	113,403	130,530	149,250	149,250
26	Net Investment	42,450	136,456	229,240	320,431	410,029	498,035	594,448	669,268	752,495	834,129	914,170	992,618	1,069,473	1,069,473
27	Average Investment		89,453	182,848	274,836	365,230	454,032	541,242	628,858	710,882	793,312	874,150	953,394	1,031,046	
28	Return on Average Investment		479	979	1,472	1,956	2,432	2,899	3,358	3,808	4,250	4,683	5,108	5,523	36,947
29															
30	Return Requirements		590	1,207	1,814	2,411	2,998	3,573	4,139	4,694	5,238	5,772	6,296	6,807	45,539
31															
32	Program Total		\$2,159	\$3,998	\$6,198	\$8,388	\$10,567	\$12,735	\$14,894	\$17,042	\$19,179	\$21,306	\$23,423	\$25,527	\$165,416
33	Residential Energy Management - Summary (Itemized Below)														
34	Expenditures Booked Directly to Plant		\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$6,000,000
35	Retirements		14,017,782	1,527,280	173,186	115,510	716,048	520,148	546,159	478,289	494,594	400,226	780,483	436,751	20,206,457
36	Investments Booked to CWIP		0	0	0	0	0	0	0	0	0	0	0	0	0
37	Closings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
38	Depreciation Base		45,511,375	43,883,277	43,497,978	43,888,696	43,972,917	43,854,818	43,821,665	43,809,441	43,822,999	43,875,589	43,785,234	43,676,616	
39															
40	Depreciation Expense		743,407	725,754	722,103	727,956	729,281	727,315	726,765	726,561	726,787	727,664	726,158	724,348	8,734,099
41															
42	Cumulative Plant Investment	58,164,698	44,646,917	43,619,637	43,946,451	44,330,941	44,114,892	44,094,745	44,048,586	44,070,297	44,075,702	44,175,476	43,894,992	43,958,241	43,958,241
43	Less: Accumulated Depreciation	40,341,003	27,305,283	26,503,225	27,055,648	27,668,094	27,681,327	27,888,494	28,069,100	28,317,372	28,549,565	28,877,002	28,822,677	29,110,274	29,110,274
44	Cumulative CWIP Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	Net Plant Investment	17,823,695	17,341,633	17,116,412	16,890,803	16,662,847	16,433,566	16,206,251	15,979,486	15,752,925	15,526,138	15,298,474	15,072,316	14,847,968	14,847,968
46	Average Investment		17,582,664	17,229,023	17,001,854	16,776,825	16,548,206	16,319,908	16,092,868	15,866,205	15,285,111	15,412,306	15,185,395	14,960,142	
47	Return on Average Investment		94,189	92,294	91,077	89,872	88,647	87,424	86,207	84,994	81,881	82,562	81,346	80,140	1,040,633
48															
49	Return Requirements		116,092	113,756	112,256	110,771	109,261	107,753	106,254	104,759	100,921	101,761	100,262	98,776	1,282,622
50															
51	Program Total		\$859,499	\$839,510	\$834,359	\$838,727	\$838,542	\$835,068	\$833,019	\$831,320	\$827,708	\$829,425	\$826,420	\$823,124	\$10,016,721

Notes:

- Return on average investment is calculated using an annual rate of 6.428% using the 2021 WACC methodology prescribed in Order No. PSC-2020-0165-PAE-EU Docket No. 20200118-EU.
- Return Requirements are calculated using a combined statutory tax rate of 24.522%.

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Schedule of Capital Investment, Depreciation & Return
January 2021 - December 2021

FPSC Docket No. 202002-EG
Duke Energy Florida, LLC
 Witness: Lori J. Cross
 Exhibit No. (LJC-1P)
 Schedule C-2
 Page 5 of 5

Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Est Jan-21	Est Feb-21	Est Mar-21	Est Apr-21	Est May-21	Est Jun-21	Est Jul-21	Est Aug-21	Est Sep-21	Est Oct-21	Est Nov-21	Est Dec-21	Total
1	Residential Energy Management - NGDR Hardware for ODS, LMS, APPDEV. Also includes NGDR TELECOM. (D)														
2	Expenditures Booked Directly to Plant	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	Retirements	2,580,678	1,411,568	(244,581)	(33,029)	0	1,002	0	0	0	0	0	0	0	3,715,638
4	Investments Booked to CWIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Closings to Plant	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Depreciation Base	3,185,395	1,189,272	605,778	744,583	761,097	760,596	760,095	760,095	760,095	760,095	760,095	760,095	760,095	0
7															
8	Depreciation Expense	37,960	14,173	7,219	8,873	9,070	9,064	9,058	9,058	9,058	9,058	9,058	9,058	9,058	140,707
9															
10	Cumulative Plant Investment	4,475,734	1,895,056	483,488	728,068	761,097	761,097	760,095	760,095	760,095	760,095	760,095	760,095	760,095	760,095
11	Less: Accumulated Depreciation	4,012,309	1,469,591	72,196	323,996	365,898	374,968	383,030	392,088	401,146	410,204	419,262	428,320	437,378	437,378
12	Cumulative CWIP Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Net Plant Investment	463,424	425,464	411,291	404,072	395,199	386,129	377,065	368,007	358,949	349,891	340,833	331,775	322,717	322,717
14	Average Investment	444,444	444,444	418,378	407,682	399,636	390,664	381,597	372,536	363,478	0	345,362	336,304	327,246	0
15	Return on Average Investment	2,381	2,241	2,184	2,141	2,093	2,044	1,995	1,947	0	1,850	1,801	1,753	1,705	22,430
16															
17	Return Requirements	2,935	2,762	2,692	2,639	2,580	2,519	2,459	2,400	0	2,280	2,220	2,161	2,103	27,647
18															
19	Program Total	\$40,895	\$16,935	\$9,911	\$11,512	\$11,650	\$11,583	\$11,517	\$11,458	\$9,058	\$11,338	\$11,278	\$11,219	\$11,160	\$168,354
20	Residential Energy Management - NGDR Software for ODS, LMS, APPDEV (D)														
21	Expenditures Booked Directly to Plant	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0
22	Retirements	11,288,866	15,263	70,131	0	0	0	0	0	0	0	0	0	0	11,374,260
23	Investments Booked to CWIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Closings to Plant	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Depreciation Base	85,394	77,762	0	0	0	0	0	0	0	0	0	0	0	0
26															
27	Depreciation Expense	1,423	1,296	0	0	0	0	0	0	0	0	0	0	0	2,719
28															
29	Cumulative Plant Investment	11,374,260	85,394	70,131	0	0	0	0	0	0	0	0	0	0	0
30	Less: Accumulated Depreciation	11,129,912	81,124	66,624	0	0	0	0	0	0	0	0	0	0	0
31	Cumulative CWIP Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Net Plant Investment	244,347	4,270	3,507	0	0	0	0	0	0	0	0	0	0	0
33	Average Investment	124,309	124,309	3,888	0	0	0	0	0	0	0	0	0	0	0
34	Return on Average Investment	666	21	0	0	0	0	0	0	0	0	0	0	0	687
35															
36	Return Requirements	821	26	0	0	0	0	0	0	0	0	0	0	0	847
37															
38	Program Total	\$2,244	\$1,322	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,566
39	Residential Energy Management - Load Management Switches (9080120) (D)														
40	Expenditures Booked Directly to Plant	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$6,000,000
41	Retirements	148,238	100,449	347,636	148,538	716,048	519,146	546,159	478,289	494,594	400,226	780,483	436,751	5,116,559	
42	Investments Booked to CWIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Closings to Plant	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	Amortization Base	42,240,586	42,616,243	42,892,200	43,144,113	43,211,820	43,094,222	43,061,570	43,049,346	43,062,904	43,115,494	43,025,139	42,916,521	0	
45															
46	Amortization Expense	704,024	710,285	714,884	719,083	720,211	718,251	717,707	717,503	717,729	718,606	717,100	715,290	8,590,673	
47															
48	Cumulative Plant Investment	42,314,705	42,666,467	43,066,018	43,218,382	43,569,844	43,353,796	43,334,649	43,288,490	43,310,201	43,315,607	43,415,381	43,134,897	43,198,146	43,198,146
49	Less: Accumulated Depreciation	25,198,782	25,754,568	26,364,404	26,731,652	27,302,197	27,306,359	27,505,464	27,677,012	27,916,226	28,139,361	28,457,741	28,394,357	28,672,896	28,672,896
50	Cumulative CWIP Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	Net Plant Investment	17,115,923	16,911,899	16,701,614	16,486,730	16,267,647	16,047,436	15,829,185	15,611,478	15,393,975	15,176,246	14,957,640	14,740,540	14,525,250	14,525,250
52	Average Investment	17,013,911	17,013,911	16,806,757	16,594,172	16,377,189	16,157,542	15,938,311	15,720,332	15,502,727	15,285,111	15,066,943	14,849,090	14,632,895	0
53	Return on Average Investment	20,504,527	91,142	90,032	88,893	87,731	86,554	85,380	84,212	83,047	81,881	80,712	79,545	78,387	1,017,516
54															
55	Return Requirements	112,336	110,968	109,564	108,132	106,681	105,234	103,795	102,359	100,921	99,481	98,042	96,615	95,188	1,254,128
56															
57	Program Total	\$816,360	\$821,253	\$824,448	\$827,215	\$826,892	\$823,485	\$821,502	\$819,862	\$818,650	\$818,087	\$815,142	\$811,905	\$808,801	\$9,844,801
58	Demand & Energy Summary														
59	Energy	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
60	Demand	\$61,658	\$43,508	\$40,557	\$47,115	\$49,109	\$47,803	\$47,913	\$48,362	\$46,887	\$50,731	\$49,843	\$48,651	\$48,137	\$10,182,137
61	Total Depreciation & Return	\$61,658	\$43,508	\$40,557	\$47,115	\$49,109	\$47,803	\$47,913	\$48,362	\$46,887	\$50,731	\$49,843	\$48,651	\$48,137	\$10,182,137

Notes:
 - Return on average investment is calculated using an annual rate of 6.428% using the 2021 WACC methodology prescribed in Order No. PSC-2020-0165-PAE-EU Docket No. 20200118-EU.
 - Return Requirements are calculated using a combined statutory tax rate of 24.522%.

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Program Costs
January - June 2020 Actuals
July - December 2020 Estimates

FPSC Docket No. 2020002-EG
Duke Energy Florida, LLC
Witness Lori J. Cross
Exhibit No. (LJC-1P)
Schedule C-3
Page 1 of 7

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	\$1,323,113	\$31,811	\$226,673	\$9,903	\$330,899	\$194,631	\$16,174	\$0	\$2,133,205
3	B. Estimated	0	1,358,631	42,117	359,138	18,000	310,195	358,090	7,747	0	2,453,918
4											
5	C. Total	\$0	\$2,681,743	\$73,928	\$585,812	\$27,903	\$641,094	\$552,721	\$23,921	\$0	\$4,587,123
6											
7	<u>Residential Incentive Program (E)</u>										
8	A. Actual	\$0	\$964,438	\$21,896	\$112,951	\$2,905	\$22,151	\$2,261,630	\$7,041	\$0	\$3,393,013
9	B. Estimated	0	1,045,591	24,000	140,000	7,581	144,216	2,170,839	10,983	0	3,543,209
10											
11	C. Total	\$0	\$2,010,029	\$45,896	\$252,951	\$10,485	\$166,367	\$4,432,469	\$18,024	\$0	\$6,936,222
12											
13	<u>Business Energy Check (E)</u>										
14	A. Actual	\$0	\$209,442	\$2,629	\$41,000	\$7,455	\$12,842	\$0	\$6,307	\$0	\$279,675
15	B. Estimated	0	233,026	2,279	107,580	2,467	24,941	35,000	9,636	0	414,929
16											
17	C. Total	\$0	\$442,469	\$4,907	\$148,580	\$9,921	\$37,783	\$35,000	\$15,943	\$0	\$694,604
18											
19	<u>Better Business (E)</u>										
20	A. Actual	\$0	\$539,854	\$3,064	\$55,993	\$2,158	\$22,363	\$880,359	\$8,222	\$0	\$1,512,012
21	B. Estimated	0	552,000	7,188	100,000	2,400	30,921	761,000	19,720	0	1,473,229
22											
23	C. Total	\$0	\$1,091,854	\$10,252	\$155,993	\$4,558	\$53,284	\$1,641,359	\$27,942	\$0	\$2,985,241
24											
25	<u>Technology Development (E)</u>										
26	A. Actual	\$0	\$103,829	\$857	\$19,509	\$421	\$0	\$0	\$2,620	\$0	\$127,236
27	B. Estimated	0	75,898	5,296	341,713	12,000	0	0	5,301	0	440,208
28											
29	C. Total	\$0	\$179,727	\$6,153	\$361,222	\$12,421	\$0	\$0	\$7,921	\$0	\$567,444
30											
31	<u>Florida Custom Incentive Program (E)</u>										
32	A. Actual	\$0	\$149,980	\$44	\$107,631	\$1,132	\$17,811	\$156,774	\$17,692	\$0	\$451,063
33	B. Estimated	0	90,000	500	108,798	1,576	20,075	150,000	24,422	0	395,370
34											
35	C. Total	\$0	\$239,980	\$544	\$216,429	\$2,708	\$37,885	\$306,774	\$42,114	\$0	\$846,433
36											
37	<u>Interruptible Service (D)</u>										
38	A. Actual	\$13,938	\$108,297	\$407	\$0	\$135	\$0	\$19,179,457	\$5,572	\$0	\$19,307,807
39	B. Estimated	13,492	110,400	5,000	0	0	0	21,121,633	9,000	0	21,259,525
40											
41	C. Total	\$27,430	\$218,697	\$5,407	\$0	\$135	\$0	\$40,301,090	\$14,572	\$0	\$40,567,332

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Program Costs
January - June 2020 Actuals
July - December 2020 Estimates

FPSC Docket No. 2020002-EG
Duke Energy Florida, LLC
Witness Lori J. Cross
Exhibit No. (LJC-1P)
Schedule C-3
Page 2 of 7

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	\$21,247	\$0	\$0	\$0	\$0	\$849,842	\$206,695	\$0	\$1,077,784
3	B. Estimated	0	21,600	0	0	0	0	1,325,000	0	0	1,346,600
4											
5	C. Total	\$0	\$42,847	\$0	\$0	\$0	\$0	\$2,174,842	\$206,695	\$0	\$2,424,384
6											
7	<u>Neighborhood Energy Saver (E)</u>										
8	A. Actual	\$0	\$129,008	\$357	\$53,391	\$2,398	\$9,586	\$777,091	\$8,179	\$0	\$980,011
9	B. Estimated	0	150,000	0	105,929	0	13,692	406,000	8,100	0	683,722
10											
11	C. Total	\$0	\$279,008	\$357	\$159,321	\$2,398	\$23,279	\$1,183,091	\$16,279	\$0	\$1,663,733
12											
13	<u>Energy Management (Residential & Commercial) (D)</u>										
14	A. Actual	\$6,905,681	\$911,108	\$20,823	\$950,448	\$5,710	\$158,668	\$12,485,056	\$39,679	\$0	\$21,477,173
15	B. Estimated	6,567,223	879,900	18,000	978,000	13,200	60,000	14,747,467	42,000	0	23,305,790
16											
17	C. Total	\$13,472,904	\$1,791,008	\$38,823	\$1,928,448	\$18,910	\$218,668	\$27,232,523	\$81,679	\$0	\$44,782,963
18											
19	<u>Low Income Weatherization Assistance Program (E)</u>										
20	A. Actual	\$0	\$45,254	\$0	\$30	\$189	\$0	\$39,922	\$3,041	\$0	\$88,435
21	B. Estimated	0	64,740	0	0	0	0	26,000	3,000	0	93,740
22											
23	C. Total	\$0	\$109,994	\$0	\$30	\$189	\$0	\$65,922	\$6,041	\$0	\$182,175
24											
25	<u>Standby Generation (D)</u>										
26	A. Actual	(\$40,916)	\$149,386	\$2,864	\$19,093	\$228,694	\$0	\$1,970,473	\$1,838	\$0	\$2,331,432
27	B. Estimated	0	150,336	0	0	24,000	0	2,321,111	2,400	0	2,497,847
28											
29	C. Total	(\$40,916)	\$299,723	\$2,864	\$19,093	\$252,694	\$0	\$4,291,584	\$4,238	\$0	\$4,829,280
30											
31	<u>Qualifying Facility (E)</u>										
32	A. Actual	\$0	\$566,303	\$501	\$802,486	\$311	\$0	\$0	\$2,910	\$0	\$1,372,512
33	B. Estimated	0	570,000	650	1,198,054	350	0	0	2,700	0	1,771,754
34											
35	C. Total	\$0	\$1,136,303	\$1,151	\$2,000,540	\$661	\$0	\$0	\$5,610	\$0	\$3,144,266
36											
37	<u>Conservation Program Admin (E)</u>										
38	A. Actual	\$3,452	\$990,352	\$74	\$228,286	\$49,798	\$0	\$0	\$108,719	\$0	\$1,380,680
39	B. Estimated	3,925	1,020,000	150	246,641	1,800	0	0	120,000	0	1,392,516
40											
41	C. Total	\$7,377	\$2,010,352	\$224	\$474,926	\$51,598	\$0	\$0	\$228,719	\$0	\$2,773,196
42	ECCR Program Costs	\$13,466,795	\$12,533,734	\$190,506	\$6,303,344	\$394,582	\$1,178,360	\$82,217,376	\$699,699	\$0	\$116,984,395

Duke Energy Florida, LLC
 Energy Conservation Cost Recovery
 Schedule of Capital Investment, Depreciation & Return
 January - June 2020 Actuals
 July - December 2020 Estimates

FPSC Docket No. 202002-EG
 Duke Energy Florida, LLC
 Witness: Lori J. Cross
 Exhibit No. (LJC-1P)
 Schedule C-3
 Page 3 of 7

Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Act Jan-20	Act Feb-20	Act Mar-20	Act Apr-20	Act May-20	Act Jun-20	Est Jul-20	Est Aug-20	Est Sep-20	Est Oct-20	Est Nov-20	Est Dec-20	Total
1	Conservation Program Admin (E)														
2	Investments		\$29,481	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$29,481
3	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
4	Depreciation Base		0	29,481	29,481	29,481	29,481	29,481	29,481	29,481	29,481	29,481	29,481	29,481	0
5															
6	Depreciation Expense		0	491	491	491	491	491	491	491	491	491	491	491	5,401
7															
8	Cumulative Investment	0	29,481	29,481	29,481	29,481	29,481	29,481	29,481	29,481	29,481	29,481	29,481	29,481	29,481
9	Less: Accumulated Depreciation	0	0	491	982	1,473	1,964	2,455	2,946	3,437	3,928	4,419	4,910	5,401	5,401
10	Net Investment	0	29,481	28,990	28,499	28,008	27,517	27,026	26,535	26,044	25,553	25,062	24,571	24,080	24,080
11	Average Investment		14,741	29,236	28,745	28,254	27,763	27,272	26,781	26,290	25,799	25,308	24,817	24,326	24,326
12	Return on Average Investment		77	153	150	147	146	143	139	136	135	132	129	126	1,613
13															
14	Return Requirements		94	187	183	180	178	175	171	167	166	162	158	155	1,976
15															
16	Program Total		\$94	\$678	\$674	\$671	\$669	\$666	\$662	\$658	\$657	\$653	\$649	\$646	\$7,377
17	Standby Generation (D)														
18	Investments		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19	Retirements		222,782	0	0	0	0	0	0	0	0	0	0	0	222,782
20	Depreciation Base		0	0	0	0	0	0	0	0	0	0	0	0	0
21															
22	Depreciation Expense		(29,615)	0	0	0	0	0	0	0	0	0	0	0	(29,615)
23															
24	Cumulative Investment	222,782	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Less: Accumulated Depreciation	23,509	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Net Investment	199,273	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Average Investment		0	0	0	0	0	0	0	0	0	0	0	0	0
28	Return on Average Investment		(11,301)	0	0	0	0	0	0	0	0	0	0	0	(11,301)
29															
30	Return Requirements		(11,301)	0	0	0	0	0	0	0	0	0	0	0	(11,301)
31															
32	Program Total		(\$40,916)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$40,916)

Notes:

- Investments made into the Standby program in 2019 should have been classified as O&M (not Capital). The adjustment shown is to credit the Depreciation Expense and Return on those Investments.
- Jan - Jun return on average investment is calculated using an annual rate of 6.273% based on May 2019 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 20120002-EG.
- Jul - Dec return on average investment is calculated using an annual rate of 6.247% based on May 2019 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 20120002-EG.
- Return Requirements are calculated using a combined statutory tax rate of 24.522%.

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Schedule of Capital Investment, Depreciation & Return
January - June 2020 Actuals
July - December 2020 Estimates

FPSC Docket No. 2020002-EG
Duke Energy Florida, LLC
Witness: Lori J. Cross
Exhibit No. (LJC-1P)
Schedule C-3
Page 4 of 7

Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Act Jan-20	Act Feb-20	Act Mar-20	Act Apr-20	Act May-20	Act Jun-20	Est Jul-20	Est Aug-20	Est Sep-20	Est Oct-20	Est Nov-20	Est Dec-20	Total
1	Interruptible Service (D)														
2	Investments		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
4	Depreciation Base		116,373	116,373	116,373	116,373	116,373	116,373	116,373	116,373	116,373	116,373	116,373	116,373	116,373
5	Depreciation Expense		1,940	1,940	1,940	1,940	1,940	1,940	1,940	1,940	1,940	1,940	1,940	1,940	23,280
7	Cumulative Investment	116,373	116,373	116,373	116,373	116,373	116,373	116,373	116,373	116,373	116,373	116,373	116,373	116,373	116,373
8	Less: Accumulated Depreciation	50,643	52,583	54,523	56,463	58,403	60,343	62,283	64,223	66,163	68,103	70,043	71,983	73,923	73,923
9	Net Investment	65,730	63,790	61,850	59,910	57,970	56,030	54,090	52,150	50,210	48,270	46,330	44,390	42,450	42,450
10	Average Investment		64,760	62,820	60,880	58,940	57,000	55,060	53,120	51,180	49,240	47,300	45,360	43,420	43,420
11	Return on Average Investment		338	328	318	309	298	288	277	267	257	247	236	226	3,389
13	Return Requirements		413	401	389	378	365	352	340	327	315	303	290	277	4,150
15	Program Total		<u>\$2,353</u>	<u>\$2,341</u>	<u>\$2,329</u>	<u>\$2,318</u>	<u>\$2,305</u>	<u>\$2,292</u>	<u>\$2,280</u>	<u>\$2,267</u>	<u>\$2,255</u>	<u>\$2,243</u>	<u>\$2,230</u>	<u>\$2,217</u>	<u>\$27,430</u>
			2,353	2,341	2,329	2,318	2,305	2,292	2,280	2,268	2,256	2,243	2,230	2,218	
17	Residential Energy Management - Summary (Itemized below) (D)														
18	Expenditures Booked Directly to Plant		\$723,783	\$557,714	\$85,487	\$137,758	(\$2,598)	\$8,058	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$4,510,201
19	Retirements		(\$49,104)	\$10,620	\$17,159	\$91,469	\$115,047	\$3,325	\$2,407,052	\$1,591,458	\$412,325	\$437,122	\$2,613,171	\$988,718	8,638,363
20	Investments Booked to CWIP		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0
21	Closings to Plant		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0
22	Depreciation Base		\$62,317,413	\$63,060,438	\$63,604,262	\$63,635,435	\$63,669,934	\$63,608,150	\$62,411,019	\$60,911,764	\$60,409,872	\$60,485,149	\$59,460,003	\$58,159,058	
24	Depreciation Expense		\$985,924	\$997,573	\$1,006,636	\$1,007,156	\$1,008,003	\$1,004,668	\$995,410	\$978,597	\$973,146	\$974,314	\$962,494	\$947,174	11,841,095
26	Cumulative Plant Investment	62,292,861	\$63,065,748	\$63,612,841	\$63,681,169	\$63,727,457	\$63,609,812	\$63,614,545	\$61,707,493	\$60,616,035	\$60,703,710	\$60,766,588	\$58,653,417	\$58,164,698	58,164,698
27	Less: Accumulated Depreciation	37,138,272	\$38,173,300	\$39,160,253	\$40,149,730	\$41,065,417	\$41,958,372	\$42,959,715	\$41,548,073	\$40,935,212	\$41,496,033	\$42,033,225	\$40,382,548	\$40,341,003	40,341,003
28	Cumulative CWIP Investment	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0
29	Net Plant Investment	25,154,589	24,892,448	24,452,588	23,531,439	22,662,041	21,651,440	20,654,830	20,159,420	19,680,823	19,207,677	18,733,363	18,270,869	17,823,695	17,823,695
30	Average Investment		25,023,518	24,672,518	23,992,014	23,096,740	22,156,740	21,153,135	20,407,125	19,920,122	19,444,250	18,970,520	18,502,116	18,047,282	
31	Return on Average Investment		130,816	128,981	125,423	120,742	115,830	110,583	106,227	103,692	101,216	98,749	96,311	93,943	1,332,513
32	Return Requirements		130,816	128,981	125,423	120,742	115,830	110,583	106,227	103,692	101,216	98,749	96,311	93,943	1,332,513
35	Program Total		<u>\$1,145,917</u>	<u>\$1,155,321</u>	<u>\$1,160,033</u>	<u>\$1,154,827</u>	<u>\$1,149,667</u>	<u>\$1,139,916</u>	<u>\$1,125,702</u>	<u>\$1,105,778</u>	<u>\$1,097,291</u>	<u>\$1,095,432</u>	<u>\$1,080,622</u>	<u>\$1,062,398</u>	<u>\$13,472,904</u>
36	Residential Energy Management - SmartGrid Hardware for ODS, LMS, APPDEV & TELECOM (D)														
37	Expenditures Booked Directly to Plant		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
38	Retirements		(\$8,254)	0	0	0	114,564	0	2,260,944	1,181,478	45,337	(\$1,649)	2,298,780	380,458	6,111,657
39	Investments Booked to CWIP		0	0	0	0	0	0	0	0	0	0	0	0	0
40	Closings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
41	Depreciation Base		10,631,518	10,675,645	10,675,645	10,675,645	10,618,363	10,561,081	9,430,609	7,709,398	7,095,991	7,114,147	6,005,582	4,665,963	
42	Depreciation Expense		124,475	124,475	124,475	124,475	123,792	120,532	112,385	91,873	84,563	84,779	71,569	55,604	1,242,997
44	Cumulative Plant Investment	10,587,391	10,675,645	10,675,645	10,675,645	10,675,645	10,561,081	10,561,081	8,300,137	7,118,659	7,073,323	7,154,972	4,856,192	4,475,734	4,475,734
46	Less: Accumulated Depreciation	8,880,970	9,093,699	9,218,174	9,342,649	9,467,124	9,476,352	9,596,884	7,448,325	6,358,720	6,397,946	6,564,374	4,337,163	4,012,309	4,012,309
47	Cumulative CWIP Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	Net Plant Investment	1,706,421	1,581,946	1,457,471	1,332,996	1,208,521	1,084,729	964,197	851,812	759,939	675,376	590,597	519,028	463,424	463,424
49	Average Investment		1,644,184	1,519,709	1,395,234	1,270,759	1,146,625	1,024,463	908,005	805,876	717,658	632,987	554,813	491,226	
50	Return on Average Investment		8,596	7,945	7,294	6,643	5,994	5,356	4,727	4,195	3,736	3,295	2,888	2,557	63,226
51	Return Requirements		10,513	9,717	8,921	8,124	7,331	6,551	5,798	5,145	4,582	4,041	3,542	3,136	77,401
54	Program Total		<u>\$134,988</u>	<u>\$134,192</u>	<u>\$133,396</u>	<u>\$132,599</u>	<u>\$131,123</u>	<u>\$127,083</u>	<u>\$118,183</u>	<u>\$97,018</u>	<u>\$89,145</u>	<u>\$88,820</u>	<u>\$75,111</u>	<u>\$58,740</u>	<u>\$1,320,398</u>

Notes:

- Jan - Jun return on average investment is calculated using an annual rate of 6.273% based on May 2019 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 20120002-EG.
- Jul - Dec return on average investment is calculated using an annual rate of 6.247% based on May 2019 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 20120002-EG.
- Return Requirements are calculated using a combined statutory tax rate of 24.522%.

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Schedule of Capital Investment, Depreciation & Return
January - June 2020 Actuals
July - December 2020 Estimates

FPSC Docket No. 202002-EG
Duke Energy Florida, LLC
Witness: Lori J. Cross
Exhibit No. (LJC-1P)
Schedule C-3
Page 5 of 7

Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Act Jan-20	Act Feb-20	Act Mar-20	Act Apr-20	Act May-20	Act Jun-20	Est Jul-20	Est Aug-20	Est Sep-20	Est Oct-20	Est Nov-20	Est Dec-20	Total
1	Residential Energy Management - SmartGrid Software for ODS, LMS, APPDEV (D)														
2	Expenditures Booked Directly to Plant	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	Retirements	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Investments Booked to CWIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Closings to Plant	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Depreciation Base		11,374,260	11,374,260	11,374,260	11,374,260	11,374,260	11,374,260	11,374,260	11,374,260	11,374,260	11,374,260	11,374,260	11,374,260	11,374,260
7															
8	Depreciation Expense		189,575	189,575	189,575	189,575	189,575	189,575	189,575	189,575	189,575	189,575	189,575	189,575	2,274,900
9															
10	Cumulative Plant Investment	11,374,260	11,374,260	11,374,260	11,374,260	11,374,260	11,374,260	11,374,260	11,374,260	11,374,260	11,374,260	11,374,260	11,374,260	11,374,260	11,374,260
11	Less: Accumulated Depreciation	8,855,012	9,044,587	9,234,162	9,423,737	9,613,312	9,802,887	9,992,462	10,182,037	10,371,612	10,561,187	10,750,762	10,940,337	11,129,912	11,129,912
12	Cumulative CWIP Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Net Plant Investment	2,519,247	2,329,672	2,140,097	1,950,522	1,760,947	1,571,372	1,381,797	1,192,222	1,002,647	813,072	623,497	433,922	244,347	244,347
14	Average Investment	2,424,460	2,234,885	2,045,310	1,855,735	1,666,160	1,476,585	1,287,010	1,097,435	907,860	718,285	528,710	339,135	171,152	339,135
15	Return on Average Investment	12,674	11,684	10,692	9,701	8,711	7,719	6,699	5,712	4,726	3,739	2,752	1,765	765	86,574
16															
17	Return Requirements	15,501	14,290	13,077	11,865	10,654	9,441	8,217	7,006	5,797	4,586	3,375	2,165	1,057	105,974
18															
19	Program Total		\$205,076	\$203,865	\$202,652	\$201,440	\$200,229	\$199,016	\$197,792	\$196,581	\$195,372	\$194,161	\$192,950	\$191,740	\$2,380,874
20	Residential Energy Management - Load Management Switches (D)														
21	Expenditures Booked Directly to Plant	\$723,783	\$557,714	\$85,487	\$137,758	(\$2,598)	\$8,058	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$4,510,201
22	Retirements	39,150	10,620	17,159	91,469	483	3,325	146,108	409,980	366,988	518,771	314,391	608,260	2,526,706	2,526,706
23	Investments Booked to CWIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Closings to Plant	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Amortization Base	40,311,635	41,010,533	41,554,357	41,585,530	41,677,311	41,672,809	41,606,150	41,828,106	41,939,621	41,996,742	42,080,161	42,118,835	42,118,835	42,118,835
26															
27	Amortization Expense	671,874	683,523	692,586	693,106	694,636	694,561	693,450	697,149	699,008	699,960	701,350	701,995	701,995	8,323,198
28															
29	Cumulative Plant Investment	40,331,210	41,015,843	41,562,937	41,631,264	41,677,553	41,674,471	41,679,204	42,033,096	42,123,116	42,256,127	42,237,356	42,422,965	42,314,705	42,314,705
30	Less: Accumulated Depreciation	19,402,290	20,035,014	20,707,917	21,383,344	21,984,980	22,679,133	23,370,369	23,917,710	24,204,879	24,536,899	24,718,088	25,105,047	25,198,782	25,198,782
31	Cumulative CWIP Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Net Plant Investment	20,928,920	20,980,829	20,855,020	20,247,921	19,692,572	18,995,338	18,308,835	18,115,385	17,918,236	17,719,228	17,519,268	17,317,918	17,115,923	17,115,923
33	Average Investment	20,954,875	20,917,925	20,551,470	19,970,247	19,343,955	18,652,087	18,212,110	18,016,811	17,818,732	17,619,248	17,418,593	17,216,921	17,015,211	17,015,211
34	Return on Average Investment	109,546	109,352	107,437	104,398	101,125	97,508	94,801	93,785	92,754	91,715	90,671	89,621	88,571	1,182,713
35															
36	Return Requirements	133,979	133,741	131,399	127,682	123,679	119,256	116,277	115,030	113,766	112,491	111,211	109,923	108,644	1,448,434
37															
38	Program Total		\$805,853	\$817,264	\$823,985	\$820,788	\$818,315	\$813,817	\$809,727	\$812,179	\$812,774	\$812,451	\$812,561	\$811,918	\$9,771,632
39	Summary of Demand & Energy														
40	Energy		\$94	\$678	\$674	\$671	\$669	\$666	\$662	\$658	\$657	\$653	\$649	\$646	\$7,377
41	Demand		1,107,354	1,157,662	1,162,362	1,157,145	1,151,972	1,142,208	1,127,982	1,108,045	1,099,546	1,097,675	1,082,852	1,064,615	13,459,418
42	Total Return & Depreciation		\$1,107,448	\$1,158,340	\$1,163,036	\$1,157,816	\$1,152,641	\$1,142,874	\$1,128,644	\$1,108,703	\$1,100,203	\$1,098,328	\$1,083,501	\$1,065,261	\$13,466,795

Notes:

- Jan - Jun return on average investment is calculated using an annual rate of 6.273% based on May 2019 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 20120002-EG.
- Jul - Dec return on average investment is calculated using an annual rate of 6.247% based on May 2019 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 20120002-EG.
- Return Requirements are calculated using a combined statutory tax rate of 24.522%.

Duke Energy Florida, LLC
 Energy Conservation Cost Recovery
 Calculation of Interest Provision
 January 2020 - December 2020

Line No.	Act Jan-20	Act Feb-20	Act Mar-20	Act Apr-20	Act May-20	Act Jun-20	Est Jul-20	Est Aug-20	Est Sep-20	Est Oct-20	Est Nov-20	Est Dec-20	Total
1 Beginning True-Up Amount (C3, Page 7, Lines 7 & 8)	\$3,747,214	\$4,986,982	\$6,915,955	\$7,415,860	\$6,531,041	\$6,957,010	\$4,600,141	\$2,670,933	\$507,459	(\$1,330,988)	(\$1,911,135)	(\$195,036)	
2 Ending True-Up Amount Before Interest (C3, Page 7, Lines 5,7-10)	4,980,891	6,908,025	7,404,612	6,524,448	6,956,617	4,599,684	2,670,600	507,313	(1,330,950)	(1,910,986)	(194,939)	1,488,679	
3 Total Beginning & Ending True-Up (Line 1 + Line 2)	8,728,105	11,895,007	14,320,567	13,940,308	13,487,658	11,556,694	7,270,741	3,178,246	(823,491)	(3,241,974)	(2,106,075)	1,293,643	
4 Average True-Up Amount (50% of Line 3)	4,364,052	5,947,503	7,160,283	6,970,154	6,743,829	5,778,347	3,635,370	1,589,123	(411,745)	(1,620,987)	(1,053,037)	646,821	
5 Interest Rate: First Day Reporting Business Month	1.71%	1.64%	1.56%	2.21%	0.06%	0.08%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%	
6 Interest Rate: First Day Subsequent Business Month	1.64%	1.56%	2.21%	0.06%	0.08%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%	
7 Total (Line 5 & Line 6) (Line 5 + Line 6)	3.35%	3.20%	3.77%	2.27%	0.14%	0.19%	0.22%	0.22%	0.22%	0.22%	0.22%	0.22%	
8 Average Interest Rate (50% of Line 7)	1.675%	1.600%	1.885%	1.135%	0.070%	0.095%	0.110%	0.110%	0.110%	0.110%	0.110%	0.110%	
9 Interest Provision (Line 4 * Line 8) / 12	\$6,091	\$7,930	\$11,248	\$6,593	\$393	\$457	\$333	\$146	(\$38)	(\$149)	(\$97)	\$59	\$32,966

Duke Energy Florida, LLC
 Energy Conservation Cost Recovery
 Energy Conservation Adjustment
 Calculation of True-Up
 January 2020 - December 2020

Line No.	Act Jan-20	Act Feb-20	Act Mar-20	Act Apr-20	Act May-20	Act Jun-20	Est Jul-20	Est Aug-20	Est Sep-20	Est Oct-20	Est Nov-20	Est Dec-20	Total	
1	ECCR Revenues	\$8,082,984	\$8,368,852	\$8,715,363	\$9,923,051	\$9,308,754	\$10,692,820	\$12,139,471	\$12,353,609	\$12,019,897	\$10,759,613	\$8,448,591	\$8,462,831	\$119,275,837
2	Prior Period True-Up Over/(Under) Recovery	(312,293)	(312,293)	(312,293)	(312,293)	(312,293)	(312,293)	(312,293)	(312,293)	(312,293)	(312,293)	(312,293)	(312,293)	(3,747,510)
3	ECCR Revenues Applicable to Period	7,770,691	8,056,559	8,403,071	9,610,759	8,996,461	10,380,527	11,827,178	12,041,317	11,707,605	10,447,320	8,136,299	8,150,539	115,528,327
4	ECCR Expenses	9,316,661	10,289,895	9,204,020	9,031,639	9,734,330	8,335,493	10,209,930	10,189,989	10,181,489	10,179,614	10,164,787	10,146,547	116,984,395
5	True-Up This Period (Over)/Under Recovery	1,545,969	2,233,336	800,949	(579,119)	737,869	(2,045,034)	(1,617,248)	(1,851,328)	(1,526,116)	(267,706)	2,028,488	1,996,008	1,456,068
6	Current Period Interest	6,091	7,930	11,248	6,593	393	457	333	146	(38)	(149)	(97)	59	32,966
7	Adjustments	(296)	0	0	0	0	0	0	0	0	0	0	0	(296)
8	True-Up & Interest Provision Beginning of Period	3,747,510	4,986,982	6,915,955	7,415,860	6,531,041	6,957,010	4,600,141	2,670,933	507,459	(1,330,988)	(1,911,135)	(195,036)	3,747,510
9	GRT Refunded	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Prior Period True-Up Over/(Under) Recovery	(312,293)	(312,293)	(312,293)	(312,293)	(312,293)	(312,293)	(312,293)	(312,293)	(312,293)	(312,293)	(312,293)	(312,293)	(3,747,510)
11	End of Period Net True-Up	\$4,986,982	\$6,915,955	\$7,415,860	\$6,531,041	\$6,957,010	\$4,600,141	\$2,670,933	\$507,459	(\$1,330,988)	(\$1,911,135)	(\$195,036)	\$1,488,738	\$1,488,738

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Calculation of ECCR Revenues
January 2021 - December 2021

Line No.	Month	Jurisdictional mWh Sales	ECCR Revenue Net of Revenue Taxes
1	January	3,019,064	\$9,268,561
2	February	2,828,367	8,635,318
3	March	2,610,944	7,898,901
4	April	2,660,944	7,951,104
5	May	2,992,526	8,922,755
6	June	3,618,140	10,957,869
7	July	3,984,399	12,148,629
8	August	4,016,879	12,232,154
9	September	4,115,362	12,554,102
10	October	3,815,333	11,555,844
11	November	3,167,483	9,485,997
12	December	2,758,734	8,348,501
13	Total	<u>39,588,176</u>	<u>\$119,959,736</u>

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 DEF the opportunity to promote and directly install cost-effective measures in customers' homes while also educating and encouraging customers to implement energy-saving practices.

Program Projections - January 2021 - December 2021: It is estimated that 25,000 customers will participate in this program during the projection period.

Program Fiscal Costs - January 2021 - December 2021: Costs for this program are projected to be \$4,753,922.

Program Progress Summary: As of year-to-date, June 30, 2020, 12,734 customers have participated in this program. Due to safety concerns related to COVID-19, DEF stopped performing walk-through audits in March of this year. DEF has now implemented a number of safety protocols and resumed walk-through audits in June and caught up on the backlog by the end of July. During the March through June time period, there was a significant increase in the number of phone-assisted and online audits completed by customers. The Home Energy Check will continue to inform and motivate consumers on cost effective energy efficiency improvements which result in implementation of energy efficiency measures and savings for customers.

Program Description and Progress

Program Title: Residential Incentive Program

Program Description: The Residential Incentive Program provides incentives to residential customers for energy efficiency improvements for both existing homes and new 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 2021 - December 2021: It is estimated that 15,933 completions will be performed in this program during the projection period.

Program Fiscal Costs - January 2021 - December 2021: Costs for this program are projected to be \$6,837,563.

Program Progress Summary: As of year-to-date, June 30, 2020, DEF has provided incentives to customers on a total of 8,968 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 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 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 2021 - December 2021: It is estimated that energy conservation measures will be installed on 5,000 homes.

Program Fiscal Costs for January 2021 - December 2021: Costs for this program are projected to be \$4,950,451.

Program Progress Summary: As of year-to-date, June 30, 2020, DEF has installed measures on 950 homes and has provided an average of 13,728 Home Energy Reports to customers each month. DEF suspended in home appointments in March and they remain suspended to date as DEF continues to evaluate the COVID situation. DEF continues to evaluate precautions that can be taken to make this work to ensure the safety of its customers.

Program Description and Progress

Program Title: Low-Income Weatherization Assistance Program

Program Description: The Low-Income Weatherization 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, energy education materials and financial incentives to weatherize the homes of low-income families.

Program Projections - January 2021 - December 2021: It is estimated that 786 weatherization measures will be installed on 244 residential homes.

Program Fiscal Costs - January 2021 - December 2021: Costs for this program are projected to be \$367,239.

Program Progress Summary: As of year-to-date, June 30, 2020, measures have been installed on 79 homes through this program. There has been significantly less participation in this program to date due to the impact of COVID-19.

Program Description and Progress

Program Title: Energy Management Program (Residential & Commercial)

Program Description: The Residential Energy Management program 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.

This program provides approximately 711 MW's of winter and 396 MW's of summer load reduction. Approximately 439,000 customers currently participate in the program.

Program Projections - January 2021 - December 2021: During this period, DEF anticipates adding 2,500 new participants to the current portfolio of approximately 439,000 participants.

Program Fiscal Costs - January 2021 - December 2021: Program costs during this period are projected to be \$40,649,516.

Program Progress Summary: Through year-to-date, June 30, 2020, DEF added a total of 1,233 new participants to this program.

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 2021 - December 2021: It is estimated that 540 customers will participate in this program during the projection period.

Program Fiscal Costs - January 2021 - December 2021: Costs for this program are projected to be \$687,465.

Program Progress Summary: As of year-to-date, June 30, 2020, DEF had performed 204 on site commercial audits. DEF temporarily suspended on-site audits in March, however, during this suspension DEF continued to support customers through phone calls and emails. DEF resumed on-site audits in June while taking precautions to protect both customers and DEF staff. DEF also recently implemented a new online assessment tool for commercial customers.

Program Description and Progress

Program Title: Better Business Program

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

Program Projections - January 2021 - December 2021: It is estimated that 2,459 participants will take part in this program during the projection period.

Program Fiscal Costs - January 2021 - December 2021: Costs for this program are projected to be \$2,193,766.

Program Progress Summary: As of year-to-date, June 30, 2020, DEF had provided incentives on 181 energy efficiency measures through this program.

Program Description and Progress

Program Title: Florida Custom Incentive Program

Program Description: The Florida Custom Incentive Program is designed to encourage 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 programs. 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 2021 - December 2021: It is estimated that 60 customers will participate in the program during the projection period.

Program Fiscal Costs - January 2021 - December 2021: Costs for this program are projected to be \$804,410.

Program Progress Summary: As of year-to-date June 30, 2020, 32 customers have participated in this program and there are several other applications that are currently being evaluated.

Program Description and Progress

Program Title: Standby Generation

Program Description: The Standby Generation Program is a demand control program that reduces 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 2021 - December 2021: It is estimated that 9 new installations will be completed during the projection period.

Program Fiscal Costs - January 2021 - December 2021: Expenses for this program are projected to be \$5,333,281.

Program Progress Summary: There are currently a total of 174 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 2021 - December 2021: 12 new accounts are estimated to sign up for this program during the projection period.

Program Fiscal Costs - January 2021 - December 2021: Costs for this program are projected to be \$45,016,922.

Program Progress Summary: DEF added an additional 6 accounts to this program YTD through June adding an additional 13.4 KW of winter and 16.1 KW of summer load control. There are a total of 190 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 2021 - December 2021: DEF is not projecting to add any new participants during the projection period as DEF expects that customers are more likely to participate in the Interruptible or Stand-by load management programs.

Program Fiscal Costs - January 2021 - December 2021: Costs for this program are projected to be \$2,503,096 and 97% of these costs are attributable to incentives paid to customers who currently participate in the program.

Program Progress Summary: As of June 30, 2020, there are 4 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 2021 - December 2021: 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 2021:

- Energy Management Circuit Breakers
- Smart Charging for Electric Transportation
- Smart Appliances for Demand Management and Customer EE
- Advanced Variable Capacity HVAC
- USF Renewable Energy Storage
- Persistent Wi-Fi for Demand Side Management
- UCF Long Duration Energy Storage
- Precision Temperature Monitoring for Energy Efficiency Improvement
- EPRI programs (energy efficiency, energy storage, integration of renewable resources, electric transportation infrastructure)

Program Fiscal Costs - January 2021 - December 2021: Costs for this program are projected to be \$607,117.

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

- Energy Management Circuit Breaker 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. A field pilot consisting of 10 customer homes was installed and operational data was collected from appliances. In 2020, DEF upgraded the EMCB hardware to new commercial grade units and upgraded the communications path to prepare for large scale implementation by the vendor. This upgrade is giving DEF the opportunity to test units and infrastructure that could be implemented in large scale. We will continue to test smart breaker applications including smart breakers that have electric vehicle charging capabilities in 2021. DEF will document the operation of these breakers and assess the cost-effectiveness for potential EE and DR programs.

Program Description and Progress

- Smart charging for electric transportation: Testing includes analysis of residential and public charging, vehicle charging programs and Electric Vehicle Supply Equipment (EVSE) control technology. An EV charging load research project is providing data on residential customer charging behavior.
- CTA-2045 Testing Project: The CTA-2045 standard provides for a modular communications interface to residential appliances for demand management. CTA-2045 also provides standard signals for DSM to control appliances. DEF, in partnership with EPRI, tested: CTA-2045 thermostats, heat pump water heaters, electric water heaters, pool pump/timers, and electric vehicle chargers. DEF also tested retrofit devices that could bring the features of CTA-2045 to existing appliances including water heaters, pool pumps, and electric vehicle chargers. The functionality and commercialization of devices utilizing this standard are being verified in field demonstrations for potential program development.
- EPRI and National Labs HEMS EE/DR Project: This project will leverage the CTA-2045 Project to provide field testing of Home Energy Management Systems (HEMS) for energy efficiency and demand response. This project is in the field-testing phase of a FOA that is being executed by EPRI and a consortium of US National Labs. The project designed the hardware and software to enable customer appliance control through the HEMS. DEF will install the HEMS systems in 2020, and they will be tested through 2021.
- Advanced Variable Capacity HVAC Pilot: This project will evaluate the demand response capability of internet-connected variable capacity heat pumps. We will verify that variable capacity systems can provide greater peak power reduction while limiting discomfort to the customer (compared to traditional duty cycling strategies for single-speed systems). This pilot will test triggering of DSM using open standards and actuate through manufacturer cloud-based communication. DEF will utilize existing heat pumps resulting in minimal need for retrofit. Currently, these heat pumps cannot participate in our Residential Energy Management Program because of the type of thermostatic control employed in these systems.
- USF Renewable Energy Storage System: This project will evaluate the use of a customer-sited energy storage system and a solar 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>).

Program Description and Progress

- Persistent Wi-Fi for Demand Side Management Project: This project will design and test hardware and software to enable persistent connection of utility demand response equipment utilizing customer-provided internet connection in a secure Wi-Fi configuration.
- UCF Long-Duration Energy Storage Project: This project is a collaboration with the University of Central Florida (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.
- Precision Temperature Monitoring for Energy Efficiency Improvement: This project will determine the viability of using precision temperature measurement and analysis to determine issues with customer HVAC systems, duct work, or building envelope. Precision temperature measurements will be made at several points within the home. Analysis of the temperature data and rate of change of the temperature will provide conclusions about the energy efficiency of the home and suggest potential improvements.

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 including those that utilize renewable sources and distributed energy resources.

Program Projections - January 2021 - December 2021: DEF, on behalf of its customers, will continue to engage with interested parties wanting to provide cogeneration and renewable, or distributed resource (DR) power to DEF. Discussions are expected to include potential projects, designs, commitments, obligations, grid access, and the commission's QF rules with renewable, energy storage, and combined heat and power companies. DEF expects most parties to explore small power production and options to transact with DEF as the technologies advance, the markets and incentives remain in place, technology costs decline, and technology accessibility becomes even more common. DEF expects that the number of potential distributed resources and QFs that engage DEF will remain steady, therefore DEF will require additional planning, forecasting, screening techniques and expanded QF business practices. For example, DEF will engage in more in-depth research and analytics to support grid interconnections, good faith and non-discriminatory QF contract negotiations, system impacts studies, and thorough state jurisdictional interconnection processes. DEF will monitor the existing potential QFs under development inside DEF's balancing authority for: permitting, interconnection and/or transmission study progress, construction, financing, insurance, and performance as that information is made available to DEF. DEF will continue to prudently administer all executed and in-service QF contracts for compliance and defend, on behalf of its customers, against all claims originating from QFs and DRs.

Program Fiscal Costs - January 2021 - December 2021: Costs for this program are projected to be \$1,725,910.

Program Progress Summary: DEF has approximately 528 MW under purchase contract from QFs. The total firm capacity from cogeneration facilities is 334 MW and the total firm capacity from renewable facilities is 78 MW. Approximately 67 MW of renewables are delivering energy to the Company under DEF's COG-1, as-available QF contract and 74.9 MW of COG-1 contracted qualified renewables are under development. DEF continues to manage over 4,400 MW of third-party renewables or distributed energy resources in its state and FERC jurisdictional generation interconnection request queues that may represent an intention to interconnect QF generation inside DEF's balancing authority. Finally, DEF continues to prudently administer all QF contracts and negotiations for compliance and defend, arbitrate, or mediate, on behalf of its customers, against all claims.

**Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Capital Structure and Cost Rates**

FPSC Docket No. 20180002-EG
Duke Energy Florida, LLC
Witness Lori J. Cross
Exhibit No. (LJC-1P)
Schedule C-6
Page 1 of 1

Class of Capital	Retail Amount	Ratio	Cost Rate	Weighted Cost Rate	PreTax Weighted Cost Rate
CE	\$ 4,874,577,393	41.0%	10.50%	4.31%	5.71%
LTD	4,845,025,196	40.8%	4.70%	1.92%	1.92%
STD	(59,426,995)	-0.5%	-0.36%	0.00%	0.00%
CD-Active	176,756,874	1.5%	2.38%	0.04%	0.04%
CD-Inactive	1,853,499	0.0%	0.00%	0.00%	0.00%
Deferred Tax	2,026,313,275	17.0%	0.00%	0.00%	0.00%
ITC	19,805,922	0.2%	7.71%	0.01%	0.01%
Total	\$ 11,884,905,162	100.00%		6.27%	7.67%
			Total Debt	1.967%	1.97%
			Total Equity	4.307%	5.71%

May 2019 DEF Surveillance Report capital structure and cost rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Dockets 120001-EI, 120002-EI & 120007-EI. Consistent with Paragraph 19 of the RRSSA Used to Calculate January 2020 - June 2020

Class of Capital	Retail Amount	Ratio	Cost Rate	Weighted Cost Rate	PreTax Weighted Cost Rate
CE	\$ 5,587,139,333	41.5%	10.50%	4.36%	5.77%
LTD	\$ 5,219,534,862	38.8%	4.62%	1.79%	1.79%
STD	\$ 228,721,050	1.7%	2.10%	0.04%	0.04%
CD-Active	\$ 184,176,907	1.4%	2.43%	0.03%	0.03%
CD-Inactive	\$ 1,820,718	0.0%	0.00%	0.00%	0.00%
Deferred Tax	\$ 2,189,708,749	16.3%	0.00%	0.00%	0.00%
ITC	\$ 58,310,573	0.4%	7.66%	0.03%	0.03%
Total	\$ 13,469,412,193	100.00%		6.25%	7.66%
			Total Debt	1.891%	1.89%
			Total Equity	4.355%	5.77%

May 2020 DEF Surveillance Report capital structure and cost rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Dockets 120001-EI, 120002-EI & 120007-EI. Used to Calculate July 2020 - December 2020

WACC - Through 6/30/20		
Debt		1.967%
Equity		.3066%
Revenue Expans on Factor	1.32 889	

WACC - Beginning 7/1/19		
Debt		1.891%
Equity		.355%
Revenue Expansion Factor	1.32 889	

WACC - Beginning 1/1/19		
Debt		1.827%
Equity		.601%
Revenue Expans on Fac or	1.32 889	