Matthew R. Bernier
ASSOCIATE GENERAL COUNSEL

August 9, 2019

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*; Docket No. 20190002-EG

Dear Mr. Teitzmanr:

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

- DEF's Petition for Approval of Conservation Cost Recovery True-Up Calculations, Projected Program Expenditures, and Projected Cost Recovery Factors for the Period January through December 2020; and

- 2019 Actual/Estimated True-Up & 2020 Projection Testimony of Lori J. Cross with 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/cmk
Enclosures

cc: Parties of Record

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BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Energy Conservation Cost Recovery	Docket No. 20190002-EG Filed: August 9, 2019

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 THROUGH DECEMBER 2020

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 2020 through December 2020. In support thereof, the Company states:

1. DEF projects total conservation program costs of $117,692,778 for the period January 2020 through December 2020.

2. The net true up is an under-recovery of $2,984,652, which includes the final conservation under-recovery of $2,335,393 for the period January 2018 through December 2018 as shown on DEF's schedule CT-1 filed May 1, 2019, and the actual/estimated true-up under-recovery for January 2019 through December 2019 of $5,320,045.

3. The total recoverable conservation costs including prior period under-recoveries to be recovered during the January 2020 through December 2020 billing period are $120,710,133.

4. Based upon the required true-up and projected expenditures, DEF has calculated the required conservation cost recovery factors for the period January 2020 through December 2020 as follows:

2020 ECCR Billing Factors

Retail Rate Schedule	Secondary Voltage	Primary Voltage	Transmission Voltage
Residential (Cents/kWh)	.339	N/A	N/A
General-Service-Non-Demand (Cents/kWh)	.327	.324	.320
General Service 100% Load Factor (Cents/kWh)	.226	N/A	N/A
General Service Demand ($/kW)	1.09	1.08	1.07
Curtailable ($/kW)	.46	.46	.45
Interruptible ($/kW)	.95	.94	.93
Standby Monthly ($/kW)	.106	.105	.104
Standby Daily ($/kW)	.050	.050	.049
Lighting (Cents/kWh)	.103	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 2020 through December 2020 billing period.

RESPECTFULLY SUBMITTED this 9th day of August, 2019.

/s/ Matthew R. Bernier

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CERTIFICATE OF SERVICE - (Dkt. No. 20190002-EG)

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished to the following by electronic mail this 9th day of August, 2019, to all parties of record as indicated below.

/s/ Matthew R. Bernier
Attorney

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

DUKE ENERGY FLORIDA

DOCKET NO. 20190002-EG

Energy Conservation Cost Recovery
2019 Actual / Estimated and 2020 Projected Costs

DIRECT TESTIMONY OF
Lori J. Cross

August 9, 2019

Q. State your name and business address.

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

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

A. I am employed by Duke Energy Business Services, LLC ("DEBS"), as Strategy Collaboration Director Regulatory Strategy in the Customer Programs Department. DEBS is a service-company affiliate of Duke Energy Florida, LLC ("Duke Energy Florida", "DEF", or the "Company").

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

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

Q. What is the purpose of your testimony?

A. The purpose of my testimony is to describe the components and costs of the Company's DSM programs. I will detail the projected costs for each program, explain how these costs are presented in my attached exhibit, and show the resulting projected Energy Conservation Cost Recovery ("ECCR") factors for 2019 customer billings.

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

A. Pursuant to Rule 25-17.015, F.A.C., Duke Energy Florida seeks recovery through the ECCR clause of costs related to the following conservation programs approved by the Commission as part of the Company's DSM Plan on August 20, 2015 (see Order No. PSC-15-0332-PAA-EG), as well as for common administrative expenses not linked to a specific program:

- Home Energy Check
- Residential Incentive Program
- Neighborhood Energy Saver
- Low-Income Weatherization Assistance Program
- Energy Management (Residential and Commercial)
- Business Energy Check
- Better Business
- Florida Custom Incentive
- Standby Generation
- Interruptible Service

- 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 2019 actual/estimated period and the 2020 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 2019 along with an updated projection of program costs for 2019. The 2019 updated projection of costs includes the actual costs incurred for the period from January 2019 through June 2019 and forecasted costs for July through December 2019. Schedule C-5 provides a brief summary report for each program that includes a program description, estimated annual program expenditures for 2019, and a summary of program accomplishments through the period ending June 2019. 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 2020 by rate class.

Q. What does Schedule C-2 show?

A. Schedule C-2 provides annual and monthly conservation program cost estimates for the 2019 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 2019 (actual) and July through December 2019 (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 2019 actual/estimated period.

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

A. Schedule C-4 provides the projected ECCR revenues for the 2020 projection period.

Q. Would you please discuss Schedule C-5?

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

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

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

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

A. Yes. Schedule C-2, Page 1 of 8, Line 22, shows total 2020 projected program costs of $117,692,778 plus a prior period under-recovery of $2,984,652 resulting in estimated net revenue requirements in 2020 of $120,710,133, after applying the revenue expansion factor of 1.000271. The following table includes DEF's proposed ECCR billing factors, by retail rate class and voltage level for calendar year 2020, as contained in Schedule C-1, Page 2 of 2.

2020 ECCR Billing Factors

Retail Rate Schedule	Secondary Voltage	Primary Voltage	Transmission Voltage
Residential (Cents/kWh)	.339	N/A	N/A
General-Service-Non-Demand (Cents/kWh)	.327	.324	.320
General Service 100% Load Factor (Cents/kWh)	.226	N/A	N/A
General Service Demand ($/kW)	1.09	1.08	1.07
Curtailable ($/kW)	.46	.46	.45
Interruptible ($/kW)	.95	.94	.93
Standby Monthly ($/kW)	.106	.105	.104
Standby Daily ($/kW)	.050	.050	.049
Lighting (Cents/kWh)	.103	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 2020 - December 2020

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	20,570,483	4,275.04	0.9356728	21,984,697	4,568.95	2,502.81	52.312%	60.038%	59.444%
General Service Non-Demand										
GS-1, GST-1										
Secondary	0.576	2,111,508	417.57	0.9356728	2,256,673	446.28	256.91	5.370%	5.864%	5.826%
Primary	0.576	20,599	4.07	0.9735768	21,158	4.18	2.41	0.050%	0.055%	0.055%
Transmission	0.576	2,540	0.50	0.9835768	2,582	0.51	0.29	0.006%	0.007%	0.007%
								5.426%	5.926%	5.887%
General Service										
GS-2 Secondary	1.000	203,276	23.14	0.9356728	217,251	24.73	24.73	0.517%	0.325%	0.340%
General Service Demand										
GSD-1, GSDT-1										
Secondary	0.742	11,560,312	1,772.76	0.9356728	12,355,079	1,894.63	1,406.54	29.399%	24.896%	25.243%
Primary	0.742	2,210,723	339.01	0.9735768	2,270,723	348.21	258.51	5.403%	4.576%	4.639%
Sec Del/Primary Mtr	0.742	27,874	4.27	0.9735768	28,631	4.39	3.26	0.068%	0.058%	0.058%
Transmission	0.742	0	0.00	0.9735768	0	0.00	0.00	0.000%	0.000%	0.000%
SS-1 Primary	0.796	32,819	4.69	0.9735768	33,710	4.82	3.84	0.080%	0.063%	0.065%
Transm Del/ Transm Mtr	0.796	6,147	0.88	0.9835768	6,250	0.89	0.71	0.015%	0.012%	0.012%
Transm Del/ Primary Mtr	0.796	1,889	0.27	0.9735768	1,940	0.28	0.22	0.005%	0.004%	0.004%
								34.970%	29.608%	30.021%
Curtailable										
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	70,228	7.39	0.9735768	72,134	7.59	8.21	0.172%	0.100%	0.105%
SS-3 Primary	1.248	52,769	4.81	0.9735768	54,201	4.94	6.17	0.129%	0.065%	0.070%
								0.301%	0.165%	0.175%
Interrupt ble										
IS-1, IST-1, IS-2, IST-2										
Secondary	0.911	311,838	38.96	0.9356728	333,277	41.64	37.94	0.793%	0.547%	0.566%
Sec Del/Primary Mtr	0.911	5,039	0.63	0.9735768	5,176	0.65	0.59	0.012%	0.008%	0.009%
Primary Del / Primary Mtr	0.911	1,146,956	143.29	0.9735768	1,178,085	147.18	134.12	2.803%	1.934%	2.001%
Primary Del / Transm Mtr	0.911	214	0.03	0.9835768	218	0.03	0.02	0.001%	0.000%	0.000%
Transm Del/ Transm Mtr	0.911	374,835	46.83	0.9835768	381,094	47.61	43.38	0.907%	0.626%	0.647%
Transm Del/ Primary Mtr	0.911	305,362	38.15	0.9735768	313,650	39.18	35.71	0.746%	0.515%	0.533%
SS-2 Primary	0.686	62,736	10.41	0.9735768	64,439	10.70	7.34	0.153%	0.141%	0.142%
Transm Del/ Transm Mtr	0.686	38,936	6.46	0.9835768	39,586	6.57	4.51	0.094%	0.086%	0.087%
Transm Del/ Primary Mtr	0.686	10,244	1.70	0.9735768	10,522	1.75	1.20	0.025%	0.023%	0.023%
								5.535%	3.880%	4.008%
Lighting										
LS-1 (Secondary)	10.191	369,250	4.12	0.9356728	394,635	4.41	44.93	0.939%	0.058%	0.126%
		39,496,576	7,145.00		42,025,709	7,610.12	4,784.35	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))
(2) Projected kWh sales for the period January 2020 to December 2020
(3) Calculated: Column 2 / (8,760 hours x Column 1)
(4) Based on system average line loss analysis for 2018
(5) Column 2 / Column 4
(6) Column 3 / Column 4
(7) Column 5 / 8,760 hours
(8) Column 5/ Total Column 5
(9) Column 6/ Total Column 6
(10) Column 8 x 1/13 + 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 2020 - December 2020

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	52.312%	59.444%	$ 14,803,062	$ 54,933,398	$ 69,736,460	20,570,483				0.339
General Service Non-Demand										
GS-1, GST-1										
Secondary						2,111,508				0.327
Primary						20,393				0.324
Transmission						2,489				0.320
TOTAL GS	5.426%	5.887%	$ 1,535,482	$ 5,440,799	$ 6,976,281	2,134,390				
General Service										
GS-2 Secondary	0.517%	0.340%	$ 146,283	$ 313,983	$ 460,266	203,276				0.226
General Service Demand										
GSD-1, GSDT-1, SS-1*										
Secondary						11,560,312			1.09	
Primary						2,250,572			1.08	
Transmission						6,024			1.07	
TOTAL GSD	34.970%	30.021%	$ 9,895,553	$ 27,742,999	$ 37,638,552	13,816,908	54.70%	34,601,958		
Curtailable										
CS-1, CST-1, CS-2, CST-2, CS-3, CST-3, SS-3*										
Secondary						-			0.46	
Primary						121,767			0.46	
Transmission						-			0.45	
TOTAL CS	0.301%	0.175%	$ 85,066	$ 161,858	$ 246,924	121,767	31.30%	532,920		
Interrupt ble										
IS-1, IST-1, IS-2, IST-2, SS-2*										
Secondary						311,838			0.95	
Primary						1,515,034			0.94	
Transmission						405,705			0.93	
TOTAL IS	5.535%	4.008%	$ 1,566,207	$ 3,703,553	$ 5,269,760	2,232,577	55.30%	5,530,424		
Lighting										
LS-1 Secondary	0.939%	0.126%	$ 265,722	$ 116,169	$ 381,890	369,250				0.103
	100.000%	100.000%	$ 28,297,375	$ 92,412,759	$ 120,710,133	39,448,650				0.306

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	$43,155,236	40,665,302	1.06
SS-1, 2, 3 - $/kW-mo	Secondary	Primary	Transmission
Monthly - $1.06/kW * 10%	0.106	0.105	0.104
Daily - $1.06/kW / 21	0.050	0.050	0.049

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Estimated Conservation Program Costs
January 2020 - December 2020

Line No.	Program Demand (D) or Energy (E)	12 Month Total
1	Home Energy Check (E)	$6,160,119
2	Residential Incentive Program (E)	7,771,262
3	Business Energy Check (E)	855,568
4	Better Business (E)	3,137,573
5	Technology Development (E)	800,000
6	Florida Custom Incentive (Innovation Incentive) (E)	897,885
7	Interrupt ble Service (D)	40,787,022
8	Curtailable Service (D)	2,227,041
9	Energy Management (Residential & Commercial) (D)	42,091,938
10	Low Income Weatherization Assistance Program (E)	318,990
11	Standby Generation (D)	5,292,572
12	Qualifying Facility (E)	1,294,116
13	Neighborhood Energy Saver (E)	2,562,059
14	Conservation Program Admin (E)	2,423,494
15	Conservation Program Admin (D)	1,073,140
16	Total ECCR Program Costs	$117,692,778

17			2019		Revenue	Total
18		12 Months	End of Period Net True-Up		Expansion	Recoverable
19	Demand & Energy Summary	Total	(Over)/Under Recovery	Total Costs	Factor	Costs
20	Energy	$26,221,065	$2,068,643	$28,289,708	1.000271	$28,297,375
21	Demand	91,471,713	916,009	92,387,722	1.000271	92,412,759
22	Total Demand & Energy Costs	$117,692,778	$2,984,652	$120,677,430		$120,710,133

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Estimated Conservation Program Costs
January 2020 - December 2020

Line No.	Program Demand (D) or Energy (E)	Est Jan-20	Est Feb-20	Est Mar-20	Est Apr-20	Est May-20	Est Jun-20	Est Jul-20	Est Aug-20	Est Sep-20	Est Oct-20	Est Nov-20	Est Dec-20	Total
1	Home Energy Check (E)	$465,272	$456,201	$596,947	$478,841	$471,837	$600,865	$488,372	$476,583	$596,292	$469,359	$463,433	$596,115	$6,160,119
2	Residential Incentive Program (E)	650,093	637,918	650,951	649,294	642,324	650,039	656,399	645,551	648,506	643,636	641,749	654,803	7,771,262
3	Business Energy Check (E)	67,339	67,066	69,061	86,193	67,973	68,133	68,336	68,550	69,347	68,544	86,042	68,982	855,568
4	Better Business (E)	262,760	257,577	262,076	261,186	264,739	260,908	259,928	259,910	266,912	259,739	259,739	262,098	3,137,573
5	Technology Development (E)	40,458	40,458	40,748	92,682	92,682	92,682	40,748	40,748	40,748	92,682	92,682	92,679	800,000
6	Florida Custom Incentive Program (E)	76,413	73,563	74,263	74,172	74,171	74,222	77,121	74,217	74,218	74,171	74,171	77,182	897,885
7	Interrupt ble Service (D)	2,950,396	3,110,880	3,200,203	3,214,699	3,346,949	3,675,921	3,712,107	3,800,134	3,555,732	3,471,190	3,496,118	3,252,691	40,787,022
8	Curtailable Service (D)	185,484	185,484	185,646	185,598	185,598	185,598	185,598	185,646	185,598	185,598	185,598	185,598	2,227,041
9	Energy Management (Residential & Commercial) (D)	3,579,507	3,606,133	3,224,377	2,991,710	3,321,116	3,548,749	3,667,350	3,652,895	3,632,085	3,367,146	3,973,737	3,527,134	42,091,938
10	Low Income Weatherization Assistance Program (E)	30,710	24,119	30,897	23,897	26,897	28,897	23,991	28,897	27,897	23,897	24,897	23,991	318,990
11	Standby Generation (D)	453,047	426,313	429,992	465,101	427,210	431,272	471,488	428,704	432,644	462,854	429,949	433,997	5,292,572
12	Qualifying Facility (E)	103,648	107,648	113,171	111,824	110,724	106,724	106,724	108,461	106,724	105,724	106,724	106,024	1,294,116
13	Neighborhood Energy Saver (E)	164,943	183,437	233,179	230,662	225,296	227,846	267,425	246,543	224,022	225,087	177,778	155,839	2,562,059
14	Conservation Program Admin (E)	182,905	177,962	239,819	184,817	181,341	240,094	188,014	181,193	239,462	184,485	182,885	240,517	2,423,494
15	Conservation Program Admin (D)	80,992	78,803	106,193	81,838	80,299	106,315	83,254	80,234	106,035	81,691	80,983	106,502	1,073,140
16	Total ECCR Program Costs	$9,293,966	$9,433,561	$9,457,524	$9,132,515	$9,519,158	$10,298,265	$10,296,856	$10,278,267	$10,206,224	$9,715,805	$10,276,485	$9,784,152	$117,692,778
17	Demand & Energy Summary													
18	Energy	$2,044,542	$2,025,949	$2,311,112	$2,193,569	$2,157,986	$2,350,410	$2,177,059	$2,130,654	$2,294,130	$2,147,325	$2,110,101	$2,278,230	$26,221,065
19	Demand	7,249,425	7,407,612	7,146,412	6,938,946	7,361,172	7,947,855	8,119,797	8,147,613	7,912,094	7,568,479	8,166,384	7,505,922	91,471,713
20	Total Demand & Energy Costs	$9,293,966	$9,433,561	$9,457,524	$9,132,515	$9,519,158	$10,298,265	$10,296,856	$10,278,267	$10,206,224	$9,715,805	$10,276,485	$9,784,152	$117,692,778

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Estimated Conservation Program Costs
January 2020 - December 2020

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	2,841,700	151,217	1,499,345	920,619	587,189	84,256	75,792	0	6,160,119
2	Residential Incentive Program (E)	0	2,252,253	20,438	454,626	565,041	4,342,558	89,402	46,945	0	7,771,262
3	Business Energy Check (E)	2,937	485,617	5,440	243,792	55,053	35,000	5,565	22,164	0	855,568
4	Better Business (E)	0	1,067,846	10,496	305,800	75,644	1,620,000	17,957	39,830	0	$3,137,573
5	Technology Development (E)	0	160,081	200,000	414,915	0	0	0	25,004	0	800,000
6	Florida Custom Incentive Program (E)	0	268,999	4,733	217,596	48,135	300,000	4,671	53,751	0	897,885
7	Interruptible Service (D)	213,417	149,511	12,000	0	0	40,396,051	9,600	6,443	0	40,787,022
8	Curtailable Service (D)	0	39,652	0	0	0	2,186,856	0	533	0	2,227,041
9	Energy Management (Residential & Commercial) (D)	12,566,945	1,462,849	16,165	1,600,920	370,562	25,930,906	15,393	128,197	0	42,091,938
10	Low Income Weatherization Assistance Program (E)	0	151,273	0	2,100	32,500	122,220	500	10,397	0	318,990
11	Standby Generation (D)	66,859	284,985	14,400	0	0	4,903,152	15,189	7,987	0	5,292,572
12	Qualifying Facility (E)	0	1,179,592	2,500	80,000	0	0	4,000	28,025	0	1,294,116
13	Neighborhood Energy Saver (E)	0	208,068	0	290,418	80,664	1,949,033	2,820	31,057	0	2,562,059
14	Conservation Program Admin (E)	0	1,724,350	47,030	388,024	0	0	2,396	261,694	0	2,423,494
15	Conservation Program Admin (D)	0	763,554	20,825	171,820	0	0	1,061	115,880	0	1,073,140
16	Total ECCR Program Costs	$12,850,158	$13,040,328	$505,244	$5,669,354	$2,148,218	$82,372,966	$252,810	$853,698	$0	$117,692,778
17	Demand & Energy Summary										
18	Energy	$2,937	$10,339,778	$441,854	$3,896,615	$1,777,657	$8,956,000	$211,567	$594,658	$0	$26,221,065
19	Demand	12,847,221	2,700,550	63,391	1,772,740	370,562	73,416,966	41,243	259,040	0	91,471,713
20	Total Demand & Energy Costs	$12,850,158	$13,040,328	$505,244	$5,669,354	$2,148,218	$82,372,966	$252,810	$853,698	$0	$117,692,778

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

Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Est Jan-20	Est Feb-20	Est Mar-20	Est Apr-20	Est May-20	Est Jun-20	Est Jul-20	Est Aug-20	Est Sep-20	Est Oct-20	Est Nov-20	Est Dec-20	Total
1	**Home Energy Check (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		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	0	0
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	0	0
11	Average Investment		0	0	0	0	0	0	0	0	0	0	0	0	
12	Return on Average Investment		0	0	0	0	0	0	0	0	0	0	0	0	0
13															
14	Return Requirements		0	0	0	0	0	0	0	0	0	0	0	0	0
15															
16	Program Total		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
17	**Business Energy Check (E)**														
18	Investments		$0	$0	$0	$0	$0	$0	$25,000	$0	$0	$0	$0	$0	$25,000
19	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
20	Depreciation Base		0	0	0	0	0	0	0	25,000	25,000	25,000	25,000	25,000	
21															
22	Depreciation Expense		0	0	0	0	0	0	0	417	417	417	417	417	2,085
23															
24	Cumulative Investment	0	0	0	0	0	0	0	25,000	25,000	25,000	25,000	25,000	25,000	25,000
25	Less: Accumulated Depreciation	0	0	0	0	0	0	0	0	417	834	1,251	1,668	2,085	2,085
26	Net Investment	0	0	0	0	0	0	0	25,000	24,583	24,166	23,749	23,332	22,915	22,915
27	Average Investment		0	0	0	0	0	0	12,500	24,792	24,375	23,958	23,541	23,124	
28	Return on Average Investment		0	0	0	0	0	0	65	130	127	125	123	121	691
29															
30	Return Requirements		0	0	0	0	0	0	80	160	157	154	152	149	852
31															
32	Program Total		$0	$0	$0	$0	$0	$0	$80	$577	$574	$571	$569	$566	$2,937
33	**Interruptible Service (D)**														
34	Investments		$72,000	$72,000	$72,000	$72,000	$72,000	$72,000	$72,000	$72,000	$72,000	$72,000	$72,000	$68,000	$860,000
35	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
36	Depreciation Base		396,373	468,373	540,373	612,373	684,373	756,373	828,373	900,373	972,373	1,044,373	1,116,373	1,188,373	
37															
38	Depreciation Expense		6,606	7,806	9,006	10,206	11,406	12,606	13,806	15,007	16,207	17,407	18,607	19,807	158,477
39															
40	Cumulative Investment	396,373	468,373	540,373	612,373	684,373	756,373	828,373	900,373	972,373	1,044,373	1,116,373	1,188,373	1,256,373	1,256,373
41	Less: Accumulated Depreciation	52,976	59,582	67,388	76,394	86,600	98,006	110,612	124,418	139,425	155,632	173,039	191,646	211,453	211,453
42	Net Investment	343,397	408,791	472,985	535,979	597,773	658,367	717,761	775,955	832,948	888,741	943,334	996,727	1,044,920	1,044,920
43	Average Investment		376,094	440,888	504,482	566,876	628,070	688,064	746,858	804,452	860,845	916,038	970,031	1,020,824	
44	Return on Average Investment		1,966	2,305	2,637	2,963	3,283	3,597	3,904	4,205	4,500	4,788	5,071	5,337	44,556
45															
46	Return Requirements		2,424	2,842	3,251	3,654	4,048	4,435	4,814	5,185	5,549	5,904	6,253	6,581	54,940
47															
48	Program Total		$9,030	$10,648	$12,257	$13,860	$15,454	$17,041	$18,620	$20,192	$21,756	$23,311	$24,860	$26,388	$213,417
49	**Standby Generation (D)**														
50	Investments		$21,056	$21,056	$21,056	$21,056	$21,056	$21,056	$21,056	$21,056	$21,056	$21,056	$21,056	$21,056	$252,675
51	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
52	Depreciation Base		132,593	153,649	174,705	195,761	216,818	237,874	258,930	279,986	301,043	322,099	343,155	364,211	
53															
54	Depreciation Expense		2,210	2,561	2,912	3,263	3,614	3,965	4,316	4,667	5,017	5,368	5,719	6,070	49,682
55															
56	Cumulative Investment	132,593	153,649	174,705	195,761	216,818	237,874	258,930	279,986	301,043	322,099	343,155	364,211	385,268	385,268
57	Less: Accumulated Depreciation	16,200	18,410	20,971	23,883	27,146	30,760	34,725	39,041	43,708	48,725	54,093	59,812	65,882	65,882
58	Net Investment	116,393	135,239	153,734	171,879	189,672	207,114	224,205	240,946	257,335	273,374	289,062	304,400	319,386	319,386
59	Average Investment		125,816	144,487	162,807	180,775	198,393	215,660	232,576	249,140	265,355	281,218	296,731	311,893	
60	Return on Average Investment		658	756	851	945	1,037	1,127	1,216	1,302	1,387	1,470	1,551	1,630	13,930
61															
62	Return Requirements		811	932	1,049	1,165	1,279	1,390	1,499	1,606	1,710	1,813	1,913	2,010	17,177
63															
64	Program Total		$3,021	$3,493	$3,961	$4,428	$4,893	$5,355	$5,815	$6,273	$6,727	$7,181	$7,632	$8,080	$66,859

Notes:
- Return on average investment is calculated using an annual rate of 6.27% 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-EI.
- Return Requirements are calculated using a combined statutory tax rate of 25.345%.

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

Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Est Jan-20	Est Feb-20	Est Mar-20	Est Apr-20	Est May-20	Est 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 - Summary (Itemized Below)**														
2	Expenditures Booked Directly to Plant		$75,166	$75,166	$75,166	$75,166	$75,166	$75,166	$75,166	$75,166	$75,166	$75,166	$75,166	$75,166	$901,992
3	Retirements		39,150	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	8,726,617
4	Investments Booked to CWIP		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
6	Depreciation Base		60,488,859	60,539,140	60,600,417	60,621,269	60,593,176	60,609,156	59,479,133	57,555,044	56,628,319	56,278,761	54,828,781	53,103,003	
7															
8	Depreciation Expense		954,397	955,235	956,256	956,603	956,409	956,948	943,497	919,624	907,099	901,186	882,299	859,915	11,149,468
9															
10	Cumulative Plant Investment	60,508,434	60,544,450	60,608,996	60,667,003	60,650,700	60,610,819	60,682,660	58,350,773	56,834,481	56,497,322	56,135,366	53,597,361	52,683,809	52,683,809
11	Less: Accumulated Depreciation	36,957,769	37,873,016	38,817,631	39,756,728	40,621,862	41,463,223	42,416,846	40,953,291	40,281,457	40,776,231	41,240,295	39,509,423	39,380,620	39,380,620
12	Cumulative CWIP Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Net Plant Investment	23,550,665	22,671,434	21,791,365	20,910,275	20,028,838	19,147,595	18,265,813	17,397,482	16,553,024	15,721,091	14,895,071	14,087,938	13,303,189	13,303,189
14	Average Investment		23,111,050	22,231,400	21,350,820	20,469,557	19,588,217	18,706,704	17,831,648	16,975,253	16,137,058	15,308,081	14,491,505	13,695,564	
15	Return on Average Investment		120,818	116,220	111,616	107,009	102,402	97,792	93,218	88,741	84,361	80,026	75,758	71,597	1,149,558
16			0	0	0	0	0	0	0	0	0	0	0	0	
17	Return Requirements		148,976	143,307	137,630	131,949	126,268	120,584	114,943	109,423	104,022	98,677	93,414	88,284	1,417,477
18															
19	Program Total		$1,103,373	$1,098,542	$1,093,886	$1,088,552	$1,082,677	$1,077,532	$1,058,440	$1,029,047	$1,011,121	$999,863	$975,713	$948,199	$12,566,945
20	**Residential Energy Management - NGDR Hardware for ODS, LMS, APPDEV. Also includes NGDR TELECOM. (D)**														
21	Expenditures Booked Directly to Plant		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
22	Retirements		0	0	0	0	114,564	0	2,260,944	1,181,478	45,337	(81,649)	2,298,780	380,458	6,199,911
23	Investments Booked to CWIP		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
25	Depreciation Base		10,587,391	10,587,391	10,587,391	10,587,391	10,530,109	10,472,827	9,342,355	7,621,144	7,007,737	7,025,893	5,917,328	4,577,709	
26															
27	Depreciation Expense		122,689	122,689	122,689	122,689	122,007	121,325	107,867	87,376	80,073	80,289	67,092	51,144	1,207,929
28															
29	Cumulative Plant Investment	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391	10,472,827	10,472,827	8,211,883	7,030,405	6,985,069	7,066,718	4,767,938	4,387,480	4,387,480
30	Less: Accumulated Depreciation	8,880,970	9,003,659	9,126,348	9,249,037	9,371,726	9,379,169	9,500,494	7,347,417	6,253,315	6,288,052	6,449,990	4,218,302	3,888,988	3,888,988
31	Cumulative CWIP Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Net Plant Investment	1,706,421	1,583,732	1,461,043	1,338,354	1,215,665	1,093,658	972,333	864,466	777,090	697,017	616,728	549,636	498,492	498,492
33	Average Investment		1,645,077	1,522,388	1,399,699	1,277,010	1,154,662	1,032,996	918,400	820,778	737,054	656,873	583,182	524,064	
34	Return on Average Investment		8,600	7,959	7,317	6,676	6,036	5,400	4,801	4,291	3,853	3,434	3,049	2,740	64,156
35															
36	Return Requirements		10,604	9,814	9,022	8,232	7,443	6,659	5,920	5,291	4,751	4,234	3,760	3,379	79,109
37															
38	Program Total		$133,293	$132,503	$131,711	$130,921	$129,450	$127,984	$113,787	$92,667	$84,824	$84,523	$70,852	$54,523	$1,287,038
39	**Residential Energy Management - NGDR Software for ODS, LMS, APPDEV (D)**														
40	Expenditures Booked Directly to Plant		$41,166	$41,166	$41,166	$41,166	$41,166	$41,166	$41,166	$41,166	$41,166	$41,166	$41,166	$41,166	$493,992
41	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
42	Investments Booked to CWIP		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
44	Depreciation Base		11,267,418	11,308,584	11,349,750	11,390,916	11,432,082	11,473,248	11,514,414	11,555,580	11,596,746	11,637,912	11,679,078	11,720,244	
45															
46	Depreciation Expense		187,794	188,480	189,166	189,852	190,539	191,225	191,911	192,597	193,283	193,969	194,655	195,341	2,298,812
47															
48	Cumulative Plant Investment	11,267,418	11,308,584	11,349,750	11,390,916	11,432,082	11,473,248	11,514,414	11,555,580	11,596,746	11,637,912	11,679,078	11,720,244	11,761,410	11,761,410
49	Less: Accumulated Depreciation	8,743,669	8,931,463	9,119,943	9,309,109	9,498,961	9,689,500	9,880,725	10,072,636	10,265,233	10,458,516	10,652,485	10,847,140	11,042,481	11,042,481
50	Cumulative CWIP Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	Net Plant Investment	2,523,748	2,377,120	2,229,806	2,081,806	1,933,120	1,783,747	1,633,688	1,482,943	1,331,512	1,179,395	1,026,592	873,103	718,928	718,928
52	Average Investment		2,450,434	2,303,463	2,155,806	2,007,463	1,858,434	1,708,718	1,558,316	1,407,228	1,255,454	1,102,994	949,848	796,016	
53	Return on Average Investment		12,810	12,042	11,270	10,494	9,716	8,932	8,146	7,356	6,564	5,766	4,966	4,162	102,224
54															
55	Return Requirements		15,796	14,849	13,897	12,940	11,980	11,014	10,044	9,070	8,094	7,110	6,123	5,132	126,049
56															
57	Program Total		$203,590	$203,329	$203,063	$202,792	$202,519	$202,239	$201,955	$201,667	$201,377	$201,079	$200,778	$200,473	$2,424,861

Notes:
- Return on average investment is calculated using an annual rate of 6.27% 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-EI.
- Return Requirements are calculated using a combined statutory tax rate of 25.345%.

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

Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Est Jan-20	Est Feb-20	Est Mar-20	Est Apr-20	Est May-20	Est 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 - Load Management Switches (9080120) (D)**														
2	Expenditures Booked Directly to Plant		$34,000	$34,000	$34,000	$34,000	$34,000	$34,000	$34,000	$34,000	$34,000	$34,000	$34,000	$34,000	$408,000
3	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
4	Investments Booked to CWIP		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
6	Amortization Base		38,634,050	38,643,165	38,663,276	38,642,962	38,630,985	38,663,081	38,622,364	38,378,320	38,023,836	37,614,956	37,232,375	36,805,050	
7															
8	Amortization Expense		643,914	644,066	644,401	644,062	643,863	644,398	643,719	639,651	633,743	626,928	620,552	613,430	7,642,727
9															
10	Cumulative Plant Investment	38,653,625	38,648,475	38,671,855	38,688,696	38,631,227	38,664,744	38,695,419	38,583,310	38,207,330	37,874,342	37,389,571	37,109,180	36,534,920	36,534,920
11	Less: Accumulated Depreciation	19,333,130	19,937,894	20,571,340	21,198,582	21,751,174	22,394,554	23,035,627	23,533,237	23,762,908	24,029,663	24,137,820	24,443,981	24,449,151	24,449,151
12	Cumulative CWIP Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Net Plant Investment	19,320,496	18,710,582	18,100,516	17,490,115	16,880,053	16,270,190	15,659,792	15,050,073	14,444,422	13,844,679	13,251,751	12,665,199	12,085,769	12,085,769
14	Average Investment		19,015,539	18,405,549	17,795,315	17,185,084	16,575,121	15,964,991	15,354,932	14,747,247	14,144,550	13,548,215	12,958,475	12,375,484	
15	Return on Average Investment		99,408	96,219	93,029	89,839	86,650	83,460	80,271	77,094	73,944	70,826	67,743	64,695	983,178
16															
17	Return Requirements		122,576	118,644	114,711	110,777	106,845	102,911	98,979	95,062	91,177	87,333	83,531	79,773	1,212,319
18															
19	Program Total		$766,490	$762,710	$759,112	$754,839	$750,708	$747,309	$742,698	$734,713	$724,920	$714,261	$704,083	$693,203	$8,855,046
20	**Demand & Energy Summary**														
21	Energy		$0	$0	$0	$0	$0	$0	$80	$577	$574	$571	$569	$566	$2,937
22	Demand		1,115,424	1,112,683	1,110,104	1,106,840	1,103,024	1,099,928	1,082,875	1,055,512	1,039,604	1,030,355	1,008,205	982,667	$12,847,221
23	Total Depreciation & Return		$1,115,424	$1,112,683	$1,110,104	$1,106,840	$1,103,024	$1,099,928	$1,082,955	$1,056,089	$1,040,178	$1,030,926	$1,008,774	$983,233	$12,850,158

Notes:
- Return on average investment is calculated using an annual rate of 6.27% 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-EI.
- Return Requirements are calculated using a combined statutory tax rate of 25.345%.

Duke Energy Florida, LLC
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Line No.	Program Demand (D) or Energy (E)	Depreciation Amortization & Return	Operating & Maintenance Costs: Payroll & Benefits	Vehicles	Outside Services	Materials & Supplies	Advertising	Incentives	Other	Program Revenues (Credits)	Total
1	Home Energy Check (E)										
2	A. Actual	$7,085	$1,357,348	$45,679	$259,773	$21,914	$350,769	$277,851	$34,439	$0	$2,354,858
3	B. Estimated	4,020	1,380,000	46,500	526,000	18,000	210,000	185,000	29,000	0	2,398,520
4											
5	C. Total	$11,105	$2,737,348	$92,179	$785,773	$39,914	$560,769	$462,851	$63,439	$0	$4,753,378
6											
7	Residential Incentive Program (E)										
8	A. Actual	$0	$1,009,912	$33,511	$114,135	$10,548	$109,278	$2,573,887	$14,376	$0	$3,865,647
9	B. Estimated	0	1,020,000	36,000	105,000	3,400	60,000	2,463,000	15,000	0	3,702,400
10											
11	C. Total	$0	$2,029,912	$69,511	$219,135	$13,948	$169,278	$5,036,887	$29,376	$0	$7,568,047
12											
13	Business Energy Check (E)										
14	A. Actual	$0	$210,534	$3,597	$53,588	($22,386)	$62,645	$5,739	$11,880	$0	$325,597
15	B. Estimated	0	222,000	4,800	243,100	28,900	14,000	12,000	12,000	0	536,800
16											
17	C. Total	$0	$432,534	$8,397	$296,688	$6,514	$76,645	$17,739	$23,880	$0	$862,397
18											
19	Better Business (E)										
20	A. Actual	$0	$547,772	$4,363	$71,442	($22,683)	$77,165	$843,148	$22,928	$0	$1,544,135
21	B. Estimated	0	540,000	7,200	60,000	25,560	14,000	950,000	15,000	0	1,611,760
22											
23	C. Total	$0	$1,087,772	$11,563	$131,442	$2,877	$91,165	$1,793,148	$37,928	$0	$3,155,895
24											
25	Technology Development (E)										
26	A. Actual	$0	$99,965	$0	$30,960	$643	$0	$0	$6,700	$0	$138,268
27	B. Estimated	0	114,924	0	204,857	3,000	0	0	6,000	0	328,781
28											
29	C. Total	$0	$214,889	$0	$235,817	$3,643	$0	$0	$12,700	$0	$467,049
30											
31	Florida Custom Incentive Program (E)										
32	A. Actual	$0	$149,808	$293	$107,059	$19	$64,996	$59,770	$22,831	$0	$404,776
33	B. Estimated	0	150,000	600	102,000	3,000	12,000	245,000	27,000	0	539,600
34											
35	C. Total	$0	$299,808	$893	$209,059	$3,019	$76,996	$304,770	$49,831	$0	$944,376
36											
37	Interruptible Service (D)										
38	A. Actual	$12,490	$91,890	$174	$363	$192	$0	$17,566,082	$1,151	$0	$17,672,342
39	B. Estimated	18,538	113,812	774	0	0	0	19,790,500	2,970	0	19,926,594
40											
41	C. Total	$31,028	$205,702	$948	$363	$192	$0	$37,356,582	$4,121	$0	$37,598,936

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Line No.	Program Demand (D) or Energy (E)	Depreciation Amortization & Return	Operating & Maintenance Costs: Payroll & Benefits	Vehicles	Outside Services	Materials & Supplies	Advertising	Incentives	Other	Program Revenues (Credits)	Total
1	Curtailable Service (D)										
2	A. Actual	$0	$19,607	$0	$0	$0	$0	$1,201,824	$0	$0	$1,221,430
3	B. Estimated	0	19,200	0	0	0	0	1,093,428	0	0	1,112,628
4											
5	C. Total	$0	$38,807	$0	$0	$0	$0	$2,295,252	$0	$0	$2,334,058
6											
7	Neighborhood Energy Saver (E)										
8	A. Actual	$0	$107,840	$246	$133,245	$294	$34,891	$993,593	$12,343	$0	$1,282,452
9	B. Estimated	0	101,405	300	130,758	0	41,861	928,059	5,400	0	1,207,783
10											
11	C. Total	$0	$209,244	$546	$264,003	$294	$76,752	$1,921,653	$17,743	$0	$2,490,235
12											
13	Energy Management (Residential & Commercial) (D)										
14	A. Actual	$6,404,184	$950,519	$24,977	$820,538	$268,171	$444,665	$12,506,789	$64,135	$0	$21,483,978
15	B. Estimated	6,583,311	950,268	24,354	891,606	8,850	238,100	12,690,441	59,688	0	21,446,618
16											
17	C. Total	$12,987,495	$1,900,787	$49,331	$1,712,144	$277,021	$682,765	$25,197,230	$123,823	$0	$42,930,597
18											
19	Low Income Weatherization Assistance Program (E)										
20	A. Actual	$0	$72,285	$8	$612	$0	$11,000	$71,620	$3,497	$0	$159,023
21	B. Estimated	0	75,335	0	1,050	0	19,000	77,883	4,248	0	177,516
22											
23	C. Total	$0	$147,620	$8	$1,662	$0	$30,000	$149,503	$7,745	$0	$336,539
24											
25	Standby Generation (D)										
26	A. Actual	$15,020	$167,015	$3,284	$1,517	$8,856	$0	$2,232,539	$885	$0	$2,429,118
27	B. Estimated	18,539	178,296	3,621	8,260	105,000	0	2,427,190	3,097	0	2,744,004
28											
29	C. Total	$33,559	$345,312	$6,905	$9,777	$113,856	$0	$4,659,729	$3,982	$0	$5,173,121
30											
31	Qualifying Facility (E)										
32	A. Actual	$0	$581,329	$899	$391	$0	$0	$0	$8,994	$0	$591,612
33	B. Estimated	0	589,434	1,900	493,000	900	0	0	9,000	0	1,094,234
34											
35	C. Total	$0	$1,170,763	$2,799	$493,391	$900	$0	$0	$17,994	$0	$1,685,846
36											
37	Conservation Program Admin (E)										
38	A. Actual	$0	$1,182,161	$578	$376,773	$23,070	$0	$0	$154,816	$0	$1,737,397
39	B. Estimated	0	1,200,000	726	276,000	15,600	0	0	162,000	0	1,654,326
40											
41	C. Total	$0	$2,382,161	$1,304	$652,773	$38,670	$0	$0	$316,816	$0	$3,391,723
42	**ECCR Program Costs**	**$13,063,187**	**$13,202,658**	**$244,383**	**$5,012,028**	**$500,849**	**$1,764,372**	**$79,195,344**	**$709,378**	**$0**	**$113,692,199**

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
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Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Act Jan-19	Act Feb-19	Act Mar-19	Act Apr-19	Act May-19	Act Jun-19	Est Jul-19	Est Aug-19	Est Sep-19	Est Oct-19	Est Nov-19	Est Dec-19	Total
1	**Home Energy Check (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	82,462	0	0	82,462
4	Depreciation Base		82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	41,231	0	0	
5															
6	Depreciation Expense		982	982	982	982	982	982	982	982	982	491	0	0	9,329
7															
8	Cumulative Investment	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	0	0	0	0
9	Less: Accumulated Depreciation	49,114	50,096	51,078	52,060	53,042	54,024	55,006	55,988	56,970	57,952	0	0	0	0
10	Net Investment	33,348	32,366	31,384	30,402	29,420	28,438	27,456	26,474	25,492	24,510	0	0	0	0
11	Average Investment		32,857	31,875	30,893	29,911	28,929	27,947	26,965	25,983	25,001	12,255	0	0	
12	Return on Average Investment		175	169	165	159	154	149	141	136	131	64	0	0	1,443
13															
14	Return Requirements		215	208	203	195	189	183	174	168	162	79	0	0	1,776
15															
16	Program Total		$1,197	$1,190	$1,185	$1,177	$1,171	$1,165	$1,156	$1,150	$1,144	$570	$0	$0	$11,105
17	**Business Energy Check (E)**														
18	Investments		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
19	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
20	Depreciation Base		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	0	0
25	Less: Accumulated Depreciation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Net Investment	0	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	
28	Return on Average Investment		0	0	0	0	0	0	0	0	0	0	0	0	0
29															
30	Return Requirements		0	0	0	0	0	0	0	0	0	0	0	0	0
31															
32	Program Total		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
33	**Standby Generation (D)**														
34	Investments		$0	$132,593	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$132,593
35	Retirements		0	35,171	0	0	0	0	0	0	12,363	0	5	0	47,538
36	Depreciation Base		47,538	29,952	144,960	144,960	144,960	144,960	144,960	144,960	138,778	132,597	132,595	132,593	
37															
38	Depreciation Expense		792	499	2,416	2,416	2,416	2,416	2,416	2,416	2,313	2,210	2,210	2,210	24,730
39															
40	Cumulative Investment	47,538	47,538	144,960	144,960	144,960	144,960	144,960	144,960	144,960	132,597	132,597	132,593	132,593	132,593
41	Less: Accumulated Depreciation	39,008	39,800	5,128	7,544	9,960	12,376	14,792	17,208	19,624	9,574	11,784	13,990	16,200	16,200
42	Net Investment	8,530	7,738	139,832	137,416	135,000	132,584	130,168	127,752	125,336	123,023	120,813	118,603	116,393	116,393
43	Average Investment		8,134	73,785	138,624	136,208	133,792	131,376	128,960	126,544	124,179	121,918	119,708	117,498	
44	Return on Average Investment		43	392	738	724	711	699	674	661	650	638	626	615	7,171
45															
46	Return Requirements		53	482	907	890	874	859	831	815	801	787	772	758	8,829
47															
48	Program Total		$845	$981	$3,323	$3,306	$3,290	$3,275	$3,247	$3,231	$3,114	$2,997	$2,982	$2,968	$33,559

Notes:
- Jan - Jun return on average investment is calculated using an annual rate of 6.38% based on May 2018 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 6.27% 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 25.345%.
- The WACC used for 2019 has been adjusted in compliance with paragraph 19 of DEF's Settlement Agreement

Duke Energy Florida, LLC
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Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Act Jan-19	Act Feb-19	Act Mar-19	Act Apr-19	Act May-19	Act Jun-19	Est Jul-19	Est Aug-19	Est Sep-19	Est Oct-19	Est Nov-19	Est Dec-19	Total
1	**Interruptible Service (D)**														
2	Investments		$0	$59,853	$0	$0	$0	$0	$0	$0	$0	$0	$140,000	$140,000	$339,853
3	Retirements		0	7,153	0	0	0	0	0	0	0	0	0	0	7,153
4	Depreciation Base		63,673	60,097	116,373	116,373	116,373	116,373	116,373	116,373	116,373	116,373	116,373	256,373	
5															
6	Depreciation Expense		1,061	1,002	1,940	1,940	1,940	1,940	1,940	1,940	1,940	1,940	1,940	4,273	23,796
7															
8	Cumulative Investment	63,673	63,673	116,373	116,373	116,373	116,373	116,373	116,373	116,373	116,373	116,373	256,373	396,373	396,373
9	Less: Accumulated Depreciation	36,333	37,394	31,243	33,183	35,123	37,063	39,003	40,943	42,883	44,823	46,763	48,703	52,976	52,976
10	Net Investment	27,340	26,279	85,130	83,190	81,250	79,310	77,370	75,430	73,490	71,550	69,610	207,670	343,397	343,397
11	Average Investment		26,810	55,705	84,160	82,220	80,280	78,340	76,400	74,460	72,520	70,580	138,640	275,534	
12	Return on Average Investment		143	297	448	438	427	417	399	389	379	369	725	1,441	5,872
13															
14	Return Requirements		176	365	551	538	525	512	492	480	467	455	894	1,777	7,232
15															
16	Program Total		$1,237	$1,367	$2,491	$2,478	$2,465	$2,452	$2,432	$2,420	$2,407	$2,395	$2,834	$6,050	$31,028
17	**Residential Energy Management - Summary (Itemized below) (D)**														
18	Expenditures Booked Directly to Plant		$178,951	$622,915	$525,268	$794,814	$1,038,044	$517,329	$385,000	$385,000	$385,000	$385,000	$385,000	$385,000	$5,987,320
19	Retirements		$71,164	$158,154	$479,651	$460,980	($193,898)	$55,407	$21,054	$89,890	$24,267	$126,457	$24,668	$19,943	1,337,737
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		$55,823,269	$55,887,560	$56,191,572	$56,246,525	$56,907,798	$58,015,088	$58,494,186	$58,823,714	$59,151,635	$59,461,272	$59,770,711	$60,133,405	
23															
24	Depreciation Expense		$876,635	$877,707	$882,774	$883,690	$894,712	$913,166	$921,151	$926,643	$932,109	$937,270	$942,427	$948,472	10,936,756
25															
26	Cumulative Plant Investment	55,858,851	$55,966,638	$56,431,398	$56,477,016	$56,810,849	$58,042,791	$58,504,713	$58,868,658	$59,163,768	$59,524,501	$59,783,044	$60,143,376	$60,508,434	60,508,434
27	Less: Accumulated Depreciation	27,358,750	$28,164,221	$28,883,774	$29,286,897	$29,709,606	$30,798,216	$31,655,976	$32,556,072	$33,392,825	$34,300,667	$35,111,480	$36,029,239	$36,957,769	36,957,769
28	Cumulative CWIP Investment	0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0
29	Net Plant Investment	28,500,101	27,802,417	27,547,625	27,190,119	27,101,243	27,244,574	26,848,737	26,312,586	25,770,943	25,223,834	24,671,564	24,114,137	23,550,665	23,550,665
30	Average Investment		28,151,259	27,675,021	27,368,872	27,145,681	27,172,909	27,046,656	26,580,662	26,041,765	25,497,389	24,947,699	24,392,851	23,832,401	
31	Return on Average Investment		149,739	147,206	145,578	144,389	144,535	143,864	138,955	136,137	133,292	130,419	127,517	124,588	1,666,219
32															
33	Return Requirements		149,739	147,206	145,578	144,389	144,535	143,864	138,955	136,137	133,292	130,419	127,517	124,588	1,666,219
34															
35	Program Total		$1,060,620	$1,058,580	$1,061,647	$1,061,102	$1,072,303	$1,089,932	$1,092,490	$1,094,509	$1,096,467	$1,098,085	$1,099,663	$1,102,097	$12,987,495
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		0	0	0	0	0	0	0	0	0	0	0	0	0
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		10,587,391	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391	
42															
43	Depreciation Expense		122,689	122,689	122,689	122,689	122,689	122,689	122,689	122,689	122,689	122,689	122,689	122,689	1,472,268
44															
45	Cumulative Plant Investment	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391
46	Less: Accumulated Depreciation	7,408,702	7,531,391	7,654,080	7,776,769	7,899,458	8,022,147	8,144,836	8,267,525	8,390,214	8,512,903	8,635,592	8,758,281	8,880,970	8,880,970
47	Cumulative CWIP Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	Net Plant Investment	3,178,689	3,056,000	2,933,311	2,810,622	2,687,933	2,565,244	2,442,555	2,319,866	2,197,177	2,074,488	1,951,799	1,829,110	1,706,421	1,706,421
49	Average Investment		3,117,345	2,994,656	2,871,967	2,749,278	2,626,589	2,503,900	2,381,211	2,258,522	2,135,833	2,013,144	1,890,455	1,767,766	
50	Return on Average Investment		16,581	15,929	15,276	14,623	13,971	13,318	12,449	11,806	11,165	10,524	9,882	9,241	154,765
51															
52	Return Requirements		20,373	19,572	18,770	17,967	17,166	16,364	15,350	14,558	13,767	12,977	12,185	11,395	190,444
53															
54	Program Total		$143,062	$142,261	$141,459	$140,656	$139,855	$139,053	$138,039	$137,247	$136,456	$135,666	$134,874	$134,084	$1,662,712

Notes:
- Jan - Jun return on average investment is calculated using an annual rate of 6.38% based on May 2018 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 6.27% 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 25.345%.
- The WACC used for 2019 has been adjusted in compliance with paragraph 19 of DEF's Settlement Agreement

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Schedule of Capital Investment, Depreciation & Return
January - June 2019 Actuals
July - December 2019 Estimates

Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Act Jan-19	Act Feb-19	Act Mar-19	Act Apr-19	Act May-19	Act Jun-19	Est Jul-19	Est Aug-19	Est Sep-19	Est Oct-19	Est Nov-19	Est Dec-19	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
3	Retirements		49,149	119,856	459,532	426,261	(238,790)	0	0	0	0	53,063	0	0	869,071
4	Investments Booked to CWIP		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
6	Depreciation Base		12,111,914	12,027,411	11,737,717	11,294,821	11,201,086	11,320,481	11,320,481	11,320,481	11,320,481	11,293,949	11,267,418	11,267,418	
7															
8	Depreciation Expense		201,869	200,461	195,633	188,251	186,689	188,678	188,678	188,678	188,678	188,236	187,794	187,794	2,291,439
9															
10	Cumulative Plant Investment	12,136,489	12,087,340	11,967,483	11,507,952	11,081,691	11,320,481	11,320,481	11,320,481	11,320,481	11,320,481	11,267,418	11,267,418	11,267,418	11,267,418
11	Less: Accumulated Depreciation	7,321,301	7,474,021	7,554,626	7,290,727	7,052,717	7,478,196	7,666,874	7,855,552	8,044,230	8,232,908	8,368,081	8,555,875	8,743,669	8,743,669
12	Cumulative CWIP Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Net Plant Investment	4,815,187	4,613,318	4,412,857	4,217,224	4,028,973	3,842,284	3,653,606	3,464,928	3,276,250	3,087,572	2,899,336	2,711,542	2,523,748	2,523,748
14	Average Investment		4,714,253	4,513,088	4,315,041	4,123,099	3,935,629	3,747,945	3,559,267	3,370,589	3,181,911	2,993,454	2,805,439	2,617,645	
15	Return on Average Investment		25,076	24,006	22,952	21,931	20,934	19,936	18,606	17,620	16,634	15,649	14,666	13,684	231,694
16															
17	Return Requirements		30,811	29,496	28,201	26,947	25,722	24,495	22,942	21,727	20,511	19,296	18,084	16,873	285,105
18															
19	Program Total		$232,680	$229,957	$223,834	$215,198	$212,411	$213,173	$211,620	$210,405	$209,189	$207,532	$205,878	$204,667	$2,576,544
20	**Residential Energy Management - Load Management Switches (D)**														
21	Expenditures Booked Directly to Plant		$178,951	$622,915	$525,268	$794,814	$1,038,044	$517,329	$385,000	$385,000	$385,000	$385,000	$385,000	$385,000	$5,987,320
22	Retirements		22,015	38,298	20,119	34,719	44,892	55,407	21,054	89,890	24,267	73,394	24,668	19,943	468,666
23	Investments Booked to CWIP		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
25	Amortization Base		33,123,964	33,272,758	33,866,464	34,364,313	35,119,321	36,107,216	36,586,314	36,915,842	37,243,763	37,579,932	37,915,902	38,278,596	
26															
27	Amortization Expense		552,077	554,557	564,452	572,750	585,334	601,799	609,784	615,276	620,742	626,345	631,944	637,989	7,173,049
28															
29	Cumulative Plant Investment	33,134,971	33,291,907	33,876,524	34,381,673	35,141,767	36,134,919	36,596,841	36,960,787	37,255,896	37,616,629	37,928,236	38,288,568	38,653,625	38,653,625
30	Less: Accumulated Depreciation	12,628,746	13,158,809	13,675,068	14,219,400	14,757,431	15,297,873	15,844,265	16,432,995	16,958,381	17,554,856	18,107,807	18,715,083	19,333,130	19,333,130
31	Cumulative CWIP Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Net Plant Investment	20,506,225	20,133,098	20,201,456	20,162,273	20,384,336	20,837,046	20,752,576	20,527,792	20,297,516	20,061,774	19,820,429	19,573,485	19,320,496	19,320,496
33	Average Investment		20,319,661	20,167,277	20,181,864	20,273,304	20,610,691	20,794,811	20,640,184	20,412,654	20,179,645	19,941,101	19,696,957	19,446,990	
34	Return on Average Investment		108,082	107,271	107,350	107,835	109,630	110,610	107,900	106,711	105,493	104,246	102,969	101,663	1,279,760
35															
36	Return Requirements		132,801	131,805	131,902	132,498	134,703	135,907	133,047	131,581	130,080	128,542	126,967	125,357	1,575,190
37															
38	Program Total		$684,878	$686,362	$696,354	$705,248	$720,037	$737,706	$742,831	$746,857	$750,822	$754,887	$758,911	$763,346	$8,748,239
39	**Summary of Demand & Energy**														
40	Energy		$1,197	$1,190	$1,185	$1,177	$1,171	$1,165	$1,156	$1,150	$1,144	$570	$0	$0	$11,105
41	Demand		1,062,702	1,060,928	1,067,461	1,066,886	1,078,058	1,095,659	1,098,169	1,100,160	1,101,988	1,103,477	1,105,479	1,111,115	13,052,082
42	Total Return & Depreciation		$1,063,899	$1,062,118	$1,068,646	$1,068,063	$1,079,229	$1,096,824	$1,099,325	$1,101,310	$1,103,132	$1,104,047	$1,105,479	$1,111,115	$13,063,187

Notes:
- Jan - Jun return on average investment is calculated using an annual rate of 6.38% based on May 2018 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 6.27% 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 25.345%.

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Calculation of Interest Provision
January 2019 - December 2019

Line No.		Act Jan-19	Act Feb-19	Act Mar-19	Act Apr-19	Act May-19	Act Jun-19	Est Jul-19	Est Aug-19	Est Sep-19	Est Oct-19	Est Nov-19	Est Dec-19	Total
1	Beginning True-Up Amount (C3, Page 11, Lines 7 & 8)	($5,979,386)	($4,412,549)	($2,343,043)	($448,226)	$756,209	$1,107,286	$873,207	$397,917	($154,068)	($985,202)	($879,502)	$869,069	
2	Ending True-Up Amount Before Interest (C3, Page 11, Lines 5,7-10)	(4,402,103)	(2,336,266)	(445,385)	755,894	1,105,417	871,266	396,689	(154,303)	(984,102)	(877,701)	869,079	2,980,930	
3	Total Beginning & Ending True-Up (Line 1 + Line 2)	(10,381,489)	(6,748,815)	(2,788,428)	307,669	1,861,626	1,978,551	1,269,896	243,614	(1,138,170)	(1,862,903)	(10,423)	3,849,999	
4	Average True-Up Amount (50% of Line 3)	(5,190,744)	(3,374,408)	(1,394,214)	153,834	930,813	989,276	634,948	121,807	(569,085)	(931,452)	(5,212)	1,925,000	
5	Interest Rate: First Day Reporting Business Month	2.42%	2.41%	2.41%	2.48%	2.43%	2.39%	2.32%	2.32%	2.32%	2.32%	2.32%	2.32%	
6	Interest Rate: First Day Subsequent Business Month	2.41%	2.41%	2.48%	2.43%	2.39%	2.32%	2.32%	2.32%	2.32%	2.32%	2.32%	2.32%	
7	Total (Line 5 & Line 6) (Line 5 + Line 6)	4.83%	4.82%	4.89%	4.91%	4.82%	4.71%	4.64%	4.64%	4.64%	4.64%	4.64%	4.64%	
8	Average Interest Rate (50% of Line 7)	2.415%	2.410%	2.445%	2.455%	2.410%	2.355%	2.320%	2.320%	2.320%	2.320%	2.320%	2.320%	
9	Interest Provision (Line 4 * Line 8) / 12	($10,446)	($6,777)	($2,841)	$315	$1,869	$1,941	$1,228	$235	($1,100)	($1,801)	($10)	$3,722	($13,665)

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Energy Conservation Adjustment
Calculation of True-Up
January 2019 - December 2019

Line No.		Act Jan-19	Act Feb-19	Act Mar-19	Act Apr-19	Act May-19	Act Jun-19	Est Jul-19	Est Aug-19	Est Sep-19	Est Oct-19	Est Nov-19	Est Dec-19	Total
1	ECCR Revenues	$7,252,718	$7,524,175	$7,433,154	$7,626,727	$8,453,161	$10,052,167	$10,218,702	$10,296,389	$10,576,026	$9,639,406	$7,999,757	$7,642,114	$104,714,496
2	Prior Period True-Up Over/(Under) Recovery	498,282	498,282	498,282	498,282	498,282	498,282	498,282	498,282	498,282	498,282	498,282	498,282	5,979,386
3	ECCR Revenues Applicable to Period	7,751,000	8,022,457	7,931,437	8,125,009	8,951,444	10,550,449	10,716,984	10,794,671	11,074,308	10,137,688	8,498,039	8,140,396	110,693,882
4	ECCR Expenses	8,830,001	9,600,458	9,330,813	8,830,847	8,802,369	9,816,147	9,742,184	9,744,169	9,745,991	9,746,906	9,748,338	9,753,974	113,692,199
5	True-Up This Period (Over)/Under Recovery	1,079,000	1,578,001	1,399,377	705,838	(149,075)	(734,302)	(974,800)	(1,050,502)	(1,328,316)	(390,782)	1,250,299	1,613,579	2,998,317
6	Current Period Interest	(10,446)	(6,777)	(2,841)	315	1,869	1,941	1,228	235	(1,100)	(1,801)	(10)	3,722	(13,665)
7	Audit Adjustments	0	0	0	0	0	0	0	0	0	0	0	0	0
8	True-Up & Interest Provision Beginning of Period	(5,979,386)	(4,412,549)	(2,343,043)	(448,226)	756,209	1,107,286	873,207	397,917	(154,068)	(985,202)	(879,502)	869,069	(5,979,386)
9	GRT Refunded	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Prior Period True-Up Over/(Under) Recovery	498,282	498,282	498,282	498,282	498,282	498,282	498,282	498,282	498,282	498,282	498,282	498,282	5,979,386
11	End of Period Net True-Up	($4,412,549)	($2,343,043)	($448,226)	$756,209	$1,107,286	$873,207	$397,917	($154,068)	($985,202)	($879,502)	$869,069	$2,984,652	$2,984,652

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Calculation of ECCR Revenues
January 2020 - December 2020

Line No.	Month	Jurisdictional mWh Sales	ECCR Revenue Net of Revenue Taxes
1	January	3,046,934	$9,418,258
2	February	2,851,309	8,755,754
3	March	2,713,732	8,291,156
4	April	2,759,453	8,331,889
5	May	2,960,871	8,876,134
6	June	3,602,477	10,954,291
7	July	3,872,304	11,816,785
8	August	4,088,899	12,472,025
9	September	3,980,798	12,142,920
10	October	3,683,169	11,246,790
11	November	3,018,516	9,058,574
12	December	2,918,116	8,895,324
13	Total	39,496,576	$120,259,901

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 2020 - December 2020: It is estimated that 30,000 customers will participate in this program during the projection period.

Program Fiscal Costs - January 2020 - December 2020: Costs for this program are projected to be $6,160,119.

Program Progress Summary: As of year-to-date, June 30, 2019, 15,901 customers have participated in this program. 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.

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, high efficiency heat pump replacing a heat pump, and newly constructed Energy Star homes.

Program Projections - January 2020 - December 2020: It is estimated that 21,183 completions will be performed in this program during the projection period.

Program Fiscal Costs - January 2020 - December 2020: Costs for this program are projected to be $7,771,262.

Program Progress Summary: As of year-to-date, June 30, 2019, 11,330 measure installations have taken place in the current year because of this program.

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 2020 - December 2020: It is estimated that energy conservation measures will be installed on 4,500 homes and approximately 15,000 customers will receive a comprehensive home energy report with information that will help them manage their energy usage.

Program Fiscal Costs for January 2020 - December 2020: Costs for this program are projected to be $2,562,059.

Program Progress Summary: As of year-to-date, June 30, 2019, we have provided measures to 2,273 homes and a monthly average of 15,010 Home Energy Reports have been provided to 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 2020 - December 2020: It is estimated that 786 weatherization measures will be installed on 265 residential homes.

Program Fiscal Costs - January 2020 - December 2020: Costs for this program are projected to be $318,990.

Program Progress Summary: As of year-to-date, June 30, 2019, there have been 546 measures installed on 234 homes through this program.

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 699 MW's of winter and 388 MW's of summer load reduction. Approximately 435,000 customers currently participate in the program.

Program Projections - January 2020 - December 2020: During this period DEF anticipates adding 2,500 new participants to the current portfolio of approximately 435,000 participants.

Program Fiscal Costs - January 2020 - December 2020: Program costs during this period are projected to be $42,091,938.

Program Progress Summary: Through year-to-date, June 30, 2019, a total of 3,384 new participant installations have been completed.

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 2020 - December 2020: It is estimated that 540 customers will participate in this program during the projection period.

Program Fiscal Costs - January 2020 - December 2020: Costs for this program are projected to be $855,568.

Program Progress Summary: As of year-to-date, June 30, 2019, 251 customers have participated in this program.

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, cool roof coating, high efficiency energy recovery ventilation, and HVAC optimization qualifying measures.

Program Projections - January 2020 - December 2020: It is estimated that 485 measure installations will take place because of this program during the projection period.

Program Fiscal Costs - January 2020 - December 2020: Costs for this program are projected to be $3,137,573.

Program Progress Summary: As of year-to-date, June 30, 2019, 350 measure installations have taken place because of 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 2020 - December 2020: It is estimated that 24 customers will participate in the program during the projection period.

Program Fiscal Costs - January 2020 - December 2020: Costs for this program are projected to be $897,885.

Program Progress Summary: As of year-to-date June 30, 2019, 12 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 part of DEF's General Service Load Management-2 (GSLM-2) rate schedule.

Program Projections - January 2020 - December 2020: It is estimated that 12 new installations will be completed during the projection period.

Program Fiscal Costs - January 2020 - December 2020: Expenses for this program are projected to be $5,292,572.

Program Progress Summary: There are currently a total of 178 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 2020 - December 2020: 22 new accounts are estimated to sign up for this program during the projection period.

Program Fiscal Costs - January 2020 - December 2020: Costs for this program are projected to be $40,787,022.

Program Progress Summary: There are a total of 173 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 2020 - December 2020: 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 2020 - December 2020: Costs for this program are projected to be $2,227,041 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, 2019, 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 2020 - December 2020: 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 2020:

- 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
- EPRI programs (energy efficiency, energy storage, integration of renewable resources, electric transportation infrastructure)

Program Fiscal Costs - January 2020 - December 2020: 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 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 is installed and operational data is being collected from appliances. In 2020 DEF will update the EMCB hardware to new commercial grade units and upgrade the communications path to prepare for large scale implementation by the vendor. This upgrade will give DEF the opportunity to test units and infrastructure that could be implemented in large scale. We will continue to test

Program Description and Progress

smart breaker applications including smart breakers that have electric vehicle charging capabilities in 2020. DEF will document the operation of these breakers and assess the cost-effectiveness for potential EE and DR programs.

- Smart charging for electric transportation: Testing will include 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, is testing: CTA-2045 thermostats, heat pump water heaters, electric water heaters, pool pump/timers, and electric vehicle chargers. DEF is also testing retrofit devices that could bring the features of CTA-2045 to existing appliances including water heaters, pool pumps, and electric vehicle chargers. The functionality of these devices is being verified in field demonstrations for 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 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.

- 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.

Program Description and Progress

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).

- 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 will use the technology at UCFs Microgrid Control lab to directly test a long duration 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.

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 2020 - December 2020: DEF will continue to engage with interested parties wanting to provide cogeneration or renewable resources to DEF. Discussions around potential projects, commitments, grid access and QF avoided cost with renewables, energy storage, and combined heat and power developers continue. These parties are exploring distributed generation options as the technologies advance, the markets and incentives change, including declining technology costs, and the associated policies are refined. As the number of potential QFs that engage DEF increase, additional planning, forecasting, screening techniques and QF business practices will need to evolve and expand. For example, more in depth research and analytics will be required to support grid interconnections, good faith QF purchased power negotiations, DEF system impacts, and associated contract structures. DEF will monitor the existing QF contracts under development for: construction milestones, financing status, permitting, transmission studies, insurance requirements, and performance security. DEF will continue to prudently administer all executed and in-service QF contracts for compliance and defend against all claims originating from terminated QF contracts.

Program Fiscal Costs - January 2020 - December 2020: Costs for this program are projected to be $1,294,116.

Program Progress Summary: DEF has approximately 728 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 250 MW of Qualified renewables are under development. Finally, DEF continues to manage about 6,000 MW of distributed energy resources and renewables as part of the QF Program in its State Pre-Application, State Application, and FERC jurisdictional generation interconnection request queues that represent an intention to interconnect inside DEF's Balancing Authority.

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

Class of Capital	Retail Amount	Ratio	Cost Rate	Weighted Cost Rate	PreTax Weighted Cost Rate
CE	$ 4,374,787,363	40.9%	10.50%	4.30%	5.75%
LTD	4,497,051,945	42.1%	4.90%	2.06%	2.06%
STD	(193,058,184)	-1.8%	0.88%	-0.02%	-0.02%
CD-Active	179,648,841	1.7%	2.35%	0.04%	0.04%
CD-Inactive	1,597,098	0.0%	0.00%	0.00%	0.00%
Deferred Tax	1,826,908,909	17.1%	0.00%	0.00%	0.00%
ITC	5,239,408	0.0%	7.85%	0.00%	0.00%
Total	$ 10,692,175,379	100.00%		6.38%	7.84%
			Total Debt	2.086%	2.086%
			Total Equity	4.296%	5.755%

May 2018 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 2019 - June 2019

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%	5.77%
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%	7.74%
			Total Debt	1.967%	1.967%
			Total Equity	4.307%	5.769%

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.
Used to Calculate July 2019 - December 2020