

Matthew R. Bernier
ASSOCIATE GENERAL COUNSEL
Duke Energy Florida, LLC

August 10, 2018

Ms. Carlotta Stauffer, Commission Clerk Florida Public Service Commission 2540 Shumard Oak Boulevard Tallahassee, Florida 32399-0850

RE: Energy Conservation Cost Recovery; Docket No. 20180002-EG

Dear Ms. Stauffer:

On behalf of Duke Energy Florida ("DEF"), please find attached 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 2019; and
- 2017 Actual/Estimated True-Up & 2019 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/at Enclosures cc: parties of record BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Energy Conservation Cost Recovery

Clause

Docket No. 20180002-EG

Dated: August 10, 2018

PETITION OF DUKE ENERGY FLORIDA, LLC FOR APPROVAL OF CONSERVATION COST RECOVERY TRUE-UP CALCULATIONS, PROJECTED PROGRAM EXPENDITURES AND PROJECTED COST RECOVERY FACTORS FOR THE PERIOD JANUARY THROUGH DECEMBER 2019

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 2019 through December 2019. In support thereof, the Company states:

- 1. DEF projects total conservation program costs of \$113,136,259 for the period January 2019 through December 2019.
- 2. The net true up is an over-recovery of \$8,314,779 which includes the final conservation over-recovery of \$2,815,663 for the period January 2017 through December 2017 as shown on DEF's schedule CT-1 filed May 2, 2018, and the actual/estimated true-up overrecovery for January 2018 through December 2018 of \$5,499,116.
- 3. The total recoverable conservation costs including prior period over-recoveries to be recovered during the January 2019 through December 2019 billing period are \$104,853,136.
- 4. Based upon the required true-up and projected expenditures, DEF has calculated the required conservation cost recovery factors for the period January 2019 through December 2019 as follows:

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# 2019 ECCR Billing Factors

	Secondary	Primary	Transmission
Retail Rate Schedule	<u>Voltage</u>	<u>Voltage</u>	<u>Voltage</u>
Residential (Cents/kWh)	.297	N/A	N/A
General-Service-Non-Demand (Cents/kWh)	.286	.283	.280
General Service 100% Load Factor (Cents/kWh	n) .194	N/A	N/A
General Service Demand (\$/kW)	.94	.93	.92
Curtailable (\$/kW)	.41	.41	.40
Interruptible (\$/kW)	.79	.78	.77
Standby Monthly (\$/kW)	.091	.090	.089
Standby Daily (\$/kW)	.043	.043	.042
Lighting (Cents/kWh)	.081	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 2019 through December 2019 billing period.

RESPECTFULLY SUBMITTED this 10th day of August, 2018.

/s/ Matthew R. Bernier

MATTHEW R. BERNIER Associate General Counsel Duke Energy Florida, LLC 106 East College Avenue, Suite 800 Tallahassee, FL 32301 Telephone: (850) 521-1428 DIANNE M. TRIPLETT General Counsel Duke Energy Florida, LLC 299 First Avenue North St. Petersburg, FL 33701 Telephone: (727) 820-4692

## **CERTIFICATE OF SERVICE**

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished by electronic mail this 10<sup>th</sup> day of August, 2018, to all parties of record as indicated below.

/s/ Matthew R. Bernier

Matthew R. Bernier

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# DUKE ENERGY FLORIDA DOCKET No. 20180002-EG

# **Energy Conservation Cost Recovery 2018 Actual / Estimated and 2019 Projected Costs**

# DIRECT TESTIMONY OF Lori J. Cross

# August 10, 2018

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A. My name is Lori 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.

 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.

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# 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

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Curtailable Service

Technology Development

Qualifying Facility

Do you have any exhibits to your testimony?

Α. Yes. Exhibit No. (LJC-1P) supports Duke Energy Florida's energy conservation calculations for the 2018 actual/estimated period and the 2019 projection period. There are six (6) schedules included in this exhibit.

#### Will you please explain your exhibit? Q.

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 2018. The 2018 updated projection of costs includes the actual costs incurred for the period from January 2018 through June 2018 and forecasted costs for July through December 2018. 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 2018. Schedule C-6 is the capital structure and cost rates used to calculate the return for each applicable conservation program.

Would you please discuss Schedule C-1?

Schedule C-1 provides the calculation of the cost recovery factors for 2019 by Α. 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 2018 (actual) and July through December 2018 (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 2018 actual/estimated period.

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

A. Schedule C-4 provides the projected ECCR revenues for the 2019 projection period.

# Q. Would you please discuss Schedule C-5?

# 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 2019 projected program costs of \$113,136,259 partially offset by a prior period over-recovery of \$8,314,779 resulting in estimated net revenue requirements in 2019 of \$104,853,136, after applying the revenue expansion factor of 1.000302. The following table includes DEF's proposed ECCR billing factors, by retail rate class and voltage level for calendar year 2019, as contained in Schedule C-1, Page 2 of 2.

# **2019 ECCR Billing Factors**

2		Secondary	Primary	Transmission
3	Retail Rate Schedule	<u>Voltage</u>	<u>Voltage</u>	<u>Voltage</u>
4	Residential (Cents/kWh)	.297	N/A	N/A
5	General-Service-Non-Demand (Cents/kWh)	.286	.283	.280
6	General Service 100% Load Factor (Cents/kWh)	.194	N/A	N/A
7	General Service Demand (\$/kW)	.94	.93	.92
8	Curtailable (\$/kW)	.41	.41	.40
9	Interruptible (\$/kW)	.79	.78	.77
10	Standby Monthly (\$/kW)	.091	.090	.089
11	Standby Daily (\$/kW)	.043	.043	.042
12	Lighting (Cents/kWh)	.081	N/A	N/A

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# Q. Does this conclude your testimony?

A. Yes.

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# FPSC Docket No. 20180002-EG Duke Energy Florida, LLC Witness Lori J. Cross Exhibit No. (LJC-1P) Schedule C-1 Page 1 of 2

### Duke Energy Florida, LLC Energy Conservation Cost Recovery Calculation of Energy & Demand Allocation % by Rate Class January 2019 - December 2019

		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Rate Cla	ass	Average 12CP Load Factor at Meter (%)	Sales at Meter (mWh)	Avg 12 CP at Meter (MW) (2)/(8760hrsx(1))	Delivery Efficiency Factor	Sales at Source (Generation) (mWh) (2)/(4)	Avg 12 CP at Source (MW) (3)/(4)	Annual Average Demand (5)/(8760hrs)	mWh Sales at Source Energy Allocator (%)	12 CP Demand Allocator (%)	12CP & 1/13 AD Demand Allocator (%)
Residen	tial										
	ST-1, RSL-1, RSL-2, RSS-1										
	Secondary	0.548	20,593,148	4,291.48	0 9413447	21,876,309	4,558 88	2,497.30	52 591%	60.276%	59.685%
General GS-1, G	Service Non-Demand ST-1										
	Secondary	0.576	2,001,248	396.85	0 9413447	2,125,946	421 58	242.69	5.111%	5.574%	5.538%
	Primary	0.576	15,976	3.17	0 9719653	16,437	3 26	1.88	0 040%	0.043%	0.043%
	Transmission	0.576	2,484	0.49	0 9819653	2,530	0 50	0.29	0 006%	0.007%	0.007%
General	Candaa							-	5.156%	5.624%	5.588%
GS-2	Secondary	1.000	177,263	20.24	0 9413447	188,308	21 50	21.50	0.453%	0.284%	0.297%
00 2	Coolinary	1.000	177,200	20.24	0 0410441	100,000	2100	21.00	0.40070	0.20470	0.237 70
General GSD-1,											
	Secondary	0.742	11,774,036	1,810.48	0 9413447	12,507,677	1,923 29	1,427.82	30 069%	25.429%	25.786%
	Primary	0.742	2,216,857	340.88	0 9719653	2,280,799	350.72	260.37	5.483%	4.637%	4.702%
00.4	Transmission	0.742	0	0.00	0 9819653	0	0.00	0.00	0 000%	0.000%	0.000%
SS-1	Primary	0.796 0.796	44,079	6.32 1.22	0 9719653	45,350	6.51 1.25	5.18 0.99	0.109%	0.086%	0.088% 0.017%
	Transm Del/ Transm Mtr Transm Del/ Primary Mtr	0.796 0.796	8,533 1,872	1.22 0.27	0 9819653 0 9719653	8,690 1,926	1.25 0.28	0.99	0 021% 0 005%	0.016% 0.004%	0.017%
	Transm Del/ Frimary Mili	0.796	1,072	0.27	0 97 19655	1,920	0.20	0.22	35 686%	30.172%	30.596%
Curtailat CS-1, C	<u>ole</u> ST-1, CS-2, CST-2							-	00 00070	00.11270	00:00070
	Secondary	1.082	(0)	(0.00)	0 9413447	(0)	(0 00)	(0.00)	0 000%	0.000%	0.000%
	Primary	1.082	71,221	7.51	0 9719653	73,275	7.73	8.36	0.176%	0.102%	0.108%
SS-3	Primary	1.248	66,505	6.08	0 9719653	68,423	6 26	7.81	0.164%	0.083%	0.089%
									0 341%	0.185%	0.197%
Interrupt											
15-1, 151	T-1, IS-2, IST-2 Secondary	0.911	89,356	11.19	0 9413447	94,924	11 89	10.84	0 228%	0.157%	0.163%
	Sec Del/Primary Mtr	0.911	4,978	0.62	0 9719653	5,122	0 64	0.58	0 228%	0.008%	0.009%
	Primary Del / Primary Mtr	0.911	1,113,149	139.45	0 9719653	1,145,256	143.47	130.74	2.753%	1.897%	1.963%
	Primary Del / Transm Mtr	0.911	249	0.03	0 9819653	254	0 03	0.03	0 001%	0.000%	0.000%
	Transm Del/ Transm Mtr	0.911	346,705	43.43	0 9819653	353,073	44.23	40.31	0 849%	0.585%	0.605%
	Transm Del/ Primary Mtr	0.911	223,444	27.99	0 9719653	229,889	28.80	26.24	0 553%	0.381%	0.394%
SS-2	Primary	0.686	60,525	10.07	0 9719653	62,271	10.37	7.11	0.150%	0.137%	0.138%
	Transm Del/ Transm Mtr	0.686	92,935	15.47	0 9819653	94,642	15.75	10.80	0 228%	0.208%	0.210%
	Transm Del/ Primary Mtr	0.686	11,069	1.84	0 9719653	11,388	1.90	1.30	0 027%	0.025%	0.025%
								-	4 800%	3.399%	3.507%
<u>Lighting</u> LS-1 (Se	econdary)	10.191	380,801	4.27	0 9413447	404,528	4 53	46.18	0 972%	0.060%	0.130%
			39,296,432	7,139.36	-	41,597,015	7,563 34	4,748.52	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 2019 to December 2019
- (3) Calculated: Column 2 / (8,760 hours x Column 1)
- (4) Based on system average line loss analysis for 2017
- (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 2019 - December 2019

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)
<u>Residential</u>										
RS-1, RST-1, RSL-1, RSL-2, RSS-1	52.591%	59 685% \$	10,681,203 \$	50,459,469 \$	C4 440 C70	20,593,148				0.297
Secondary	52.591%	59 685% \$	10,681,203 \$	50,459,469 \$	61,140,672	20,593,148				0.297
General Service Non-Demand GS-1, GST-1										
Secondary						2,001,248				0.286
Primary Transmission						15,816				0.283 0.280
TOTAL GS	5.156%	5 588% \$	1,047,263 \$	4,724,035 \$	5,771,298	2,434 2,019,498				0.280
		•	, , , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , , ,	, , ,	,, ,, ,,				
General Service GS-2 Secondary	0.453%	0 297% \$	91,942 \$	251,244 \$	343,186	177,263				0.194
						•				
General Service Demand GSD-1, GSDT-1, SS-1*										
Secondary						11,774,036			0.94	
Primary						2,240,180			0.93	
Transmission TOTAL GSD	35.686%	30 596% \$	7,247,863 \$	25,867,199 \$	33,115,062	8,362 14,022,578	54.40%	35,310,682	0.92	
101712 000		σο σσο γι	1,211,000 ψ	20,001,100 ψ	55,115,552	1 1,022,010	01.1070	00,010,002		
Curtailable CS-1, CST-1, CS-2, CST-2, CS-3, CST-3, SS-3*										
Secondary						(0)			0.41	
Primary						136,349			0.41	
Transmission TOTAL CS	0.341%	0.197% \$	69,185 \$	166,492 \$	235,677	136,349	32.20%	580,059	0.40	
TOTAL CO	0.541/6	0.19776 <b>\$</b>	09,105 φ	100,492 \$	233,077	130,349	32.20 /6	360,039		
Interruptible										
IS-1, IST-1, IS-2, IST-2, SS-2* Secondary						89,356			0.79	
Primary						1,399,033			0.78	
Transmission						431,091			0.77	
TOTAL IS	4.800%	3 507% \$	974,955 \$	2,964,773 \$	3,939,728	1,919,481	52.60%	4,998,909		
<u>Lighting</u>										
LS-1 Secondary	0.972%	0.130% \$	197,513 \$	110,000 \$	307,512	380,801				0.081
	100.000%	100 000% \$	20,309,924 \$	84,543,212 \$	104,853,136	39,249,117				0.267
	•			•						

#### 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	\$37,290,467	40,889,650	0.91
SS-1 2 3 - \$/kW-mo	Secondary	Primary	Transmission
Monthly - \$0.91/kW * 10%	0.091	0 090	0.089
Daily - \$0.91/kW / 21	0.043	0 043	0.042

### Duke Energy Florida, LLC Energy Conservation Cost Recovery Estimated Conservation Program Costs January 2019 - December 2019

FPSC Docket No. 20180002-EG
Duke Energy Florida, LLC
Witness: Lori J. Cross
Exhibit No.\_\_\_(LJC-1P)
Schedule C-2
Page 1 of 5

Line	Program	12 Month				
No.	Demand (D) or Energy (E)	Total				
1	Home Energy Check (E)	\$5,462,447				
2	Residential Incentive Program (E)	7,388,880				
3	Business Energy Check (E)	858,893				
4	Better Business (E)	3,242,712				
5	Technology Development (E)	800,000				
6	Florida Custom Incentive (Innovation Incentive) (E)	645,319				
7	Interruptible Service (D)	35,299,564				
8	Curtailable Service (D)	2,195,256				
9	Energy Management (Residential & Commercial) (D)	44,104,674				
10	Low Income Weatherization Assistance Program (E)	354,813				
11	Standby Generation (D)	4,469,693				
12	Qualifying Facility (E)	1,211,168				
13	Neighborhood Energy Saver (E)	2,994,366				
14	Conservation Program Admin (E)	2,593,059				
15	Conservation Program Admin (D)	1,515,413				
16	Total ECCR Program Costs	\$113,136,259				
					_	
17			2018		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	\$25,551,658	(\$5,247,866)	\$20,303,792	1.000302	\$20,309,924
21	Demand	87,584,601	(3,066,913)	84,517,688	1.000302	84,543,212
22	Total Demand & Energy Costs	\$113,136,259	(\$8,314,779)	\$104,821,480		\$104,853,136

FPSC Docket No. 20180002-EG Duke Energy Florida, LLC Witness Lori J. Cross Exhibit No. (LJC-1P) Schedule C-2 Page 2 of 5

### Duke Energy Florida, LLC Energy Conservation Cost Recovery Estimated Conservation Program Costs January 2019 - December 2019

Line	Program	Est												
No.	Demand (D) or Energy (E)	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Total
1	Home Energy Check (E)	\$416,252	\$494,490	\$451,932	\$442,287	\$429,209	\$402,179	\$403,257	\$396,444	\$442,917	\$483,823	\$474,219	\$625,438	\$5,462,447
2	Residential Incentive Program (E)	609,544	606,436	635,016	617,435	617,404	613,041	612,467	624,024	618,600	611,675	610,336	612,902	7,388,880
3	Business Energy Check (E)	43,782	43,782	45,138	62,138	44,638	45,138	329,720	45,217	45,714	45,212	62,709	45,704	858,893
4	Better Business (E)	267,759	267,759	273,486	269,904	269,904	270,786	269,904	272,115	270,646	269,904	269,904	270,639	3,242,712
5	Technology Development (E)	66,666	66,666	66,666	66,666	66,666	66,666	66,666	66,666	66,666	66,666	66,666	66,669	800,000
6	Florida Custom Incentive Program (E)	43,727	43,727	44,609	44,007	44,007	44,608	44,007	44,007	44,611	44,007	94,009	109,994	645,319
7	Interruptible Service (D)	2,937,466	2,938,158	2,939,081	2,939,826	2,940,569	2,941,307	2,942,042	2,942,774	2,943,503	2,944,227	2,944,947	2,945,665	35,299,564
8	Curtailable Service (D)	182,938	182,938	182,938	182,938	182,938	182,938	182,938	182,938	182,938	182,938	182,938	182,938	2,195,256
9	Energy Management (Residential & Commercial) (D)	3,577,788	3,649,844	3,334,206	3,120,390	3,469,636	3,711,329	3,790,833	3,844,306	3,859,285	3,677,047	4,235,411	3,834,598	44,104,674
10	Low Income Weatherization Assistance Program (E)	33,654	27,154	33,911	26,898	29,898	31,898	26,898	31,911	30,898	26,898	27,898	26,898	354,813
11	Standby Generation (D)	372,746	372,404	372,580	372,576	372,573	372,569	372,565	372,440	372,314	372,311	372,310	372,308	4,469,693
12	Qualifying Facility (E)	100,089	100,389	100,089	101,389	101,889	101,389	101,089	101,389	100,089	100,089	101,889	101,389	1,211,168
13	Neighborhood Energy Saver (E)	190,715	213,692	272,487	269,902	264,218	266,768	311,208	290,069	262,929	264,092	207,463	180,823	2,994,366
14	Conservation Program Admin (E)	197,763	193,591	251,982	200,280	197,204	251,417	202,510	197,550	250,857	200,214	198,715	250,975	2,593,059
15	Conservation Program Admin (D)	115,575	113,137	147,261	117,046	115,248	146,931	118,349	115,450	146,604	117,008	116,131	146,672	1,515,413
16	Total ECCR Program Costs	\$9,156,465	\$9,314,167	\$9,151,382	\$8,833,683	\$9,146,002	\$9,448,964	\$9,774,455	\$9,527,300	\$9,638,571	\$9,406,113	\$9,965,545	\$9,773,613	\$113,136,259
17	Demand & Energy Summary													
18	Energy	\$1,969,952	\$2,057,686	\$2,175,316	\$2,100,907	\$2,065,038	\$2,093,890	\$2,367,728	\$2,069,392	\$2,133,928	\$2,112,582	\$2,113,808	\$2,291,432	\$25,551,658
19	Demand	7,186,513	7,256,481	6,976,066	6,732,776	7,080,964	7,355,074	7,406,727	7,457,908	7,504,643	7,293,531	7,851,737	7,482,181	87,584,601
20	Total Demand & Energy Costs	\$9,156,465	\$9,314,167	\$9,151,382	\$8,833,683	\$9,146,002	\$9,448,964	\$9,774,455	\$9,527,300	\$9,638,571	\$9,406,113	\$9,965,545	\$9,773,613	\$113,136,259

FPSC Docket No. 20180002-EG
Duke Energy Florida, LLC
Witness Lori J. Cross
Exhibit No. (LJC-1P)
Schedule C-2
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### Duke Energy Florida, LLC Energy Conservation Cost Recovery Estimated Conservation Program Costs January 2019 - December 2019

	Depreciation,								Program	
Line Program	Amortization	Payroll &	Materials &	Outside					Revenues	
No. Demand (D) or Energy (E)	& Return	Benefits	Supplies	Services	Advertising	Incentives	Vehicles	Other	(Credits)	Total
1 Home Energy Check (E)	\$13,939	\$2,816,043	\$151,310	\$998,582	\$845,569	\$437,779	\$92,516	\$106,708	\$0	\$5,462,447
2 Residential Incentive Program (E)	0	2,511,427	19,316	197,239	29,340	4,476,744	88,824	65,989	0	7,388,880
3 Business Energy Check (E)	2,950	452,200	13,944	316,000	18,922	35,000	5,702	14,175	0	858,893
4 Better Business (E)	0	1,215,233	8,579	141,200	36,141	1,800,000	14,360	27,201	0	3,242,712
5 Technology Development (E)	0	150,189	75,000	489,811	0	60,000	5,000	20,000	0	800,000
6 Florida Custom Incentive Program (E)	0	184,798	11,050	117,143	24,000	300,000	2,518	5,811	0	645,319
7 Interruptible Service (D)	80,773	227,161	0	0	0	34,985,928	1,107	4,595	0	35,299,564
8 Curtailable Service (D)	0	8,400	0	0	0	2,186,856	0	0	0	2,195,256
9 Energy Management (Residential & Commercial) (D)	15,180,772	1,731,494	11,323	1,721,766	779,512	24,546,197	63,402	70,209	0	44,104,674
10 Low Income Weatherization Assistance Program (E)	0	128,953	0	2,100	32,500	182,260	500	8,500	0	354,813
11 Standby Generation (D)	8,175	355,643	158,400	0	0	3,933,996	7,285	6,194	0	4,469,693
12 Qualifying Facility (E)	0	1,178,868	3,000	4,800	0	0	4,500	20,000	0	1,211,168
13 Neighborhood Energy Saver (E)	0	188,374	0	272,573	84,435	2,430,265	2,120	16,600	0	2,994,366
14 Conservation Program Admin (E)	0	1,758,798	47,223	514,993	0	0	2,204	269,840	0	2,593,059
15 Conservation Program Admin (D)	0	1,027,861	27,598	300,968	0	0	1,288	157,698	0	1,515,413
16 Total ECCR Program Costs	\$15,286,609	\$13,935,442	\$526,742	\$5,077,175	\$1,850,419	\$75,375,025	\$291,328	\$793,520	\$0	\$113,136,259
17 Demand & Energy Summary										
18 Energy	<u>\$16,889</u>	\$10,584,883	\$329,421	\$3,054,441	\$1,070,907	\$9,722,048	\$218,245	\$554,824	\$0	\$25,551,658
19 Demand	15,269,720	3,350,559	197,321	2,022,734	779,512	65,652,977	73,083	238,696	0	87,584,601
20 Total Demand & Energy Costs	\$15,286,609	\$13,935,442	\$526,742	\$5,077,175	\$1,850,419	\$75,375,025	\$291,328	\$793,520	\$0	\$113,136,259

FPSC Docket No. 20180002 EG Duke Energy Florida, LLC Witness: Lori J. Cross Exhibit No... (LJC 1P) Schedule C 2 Page 4 of 5

# Duke Energy Florida, LLC Energy Conservation Cost Recovery Schedule of Cap tal Investment, Depreciation & Return January 2019 December 2019

3 Refumence   0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Est Jan-19	Est Feb-19	Est Mar-19	Est Apr-19	Est May-19	Est Jun-19	Est Jul-19	Est Aug-19	Est Sep-19	Est Oct-19	Est Nov-19	Est Dec-19	Total
Progression   10		Home Energy Check (E)														
3 Refumence				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Depreciation Experience   1912   19																0
Consider Ferror	4	Depreciation Base		82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	
1		Depreciation Expense		982	982	982	982	982	982	982	982	982	982	982	982	11,784
1	, ,	Cumulative Investment	82.462	82.462	82 462	82 462	82 462	82 462	82 462	82 462	82 462	82 462	82 462	82 462	82.462	82 462
10 Novement   33.48   32.36   33.34   30.40   24.40   24.40   24.40   24.40   24.40   24.50   23.268   22.56   21.564																60 898
1   Augus processment   22,867   31,875   30,803   29,911   28,203   27,947   28,906   29,818   25,001   24,019   22,027   22,005   175   175   175   195			33,348							26,474						21,564
Part	11	Average Investment		32,857	31,875	30,893	29,911	28,929	27,947	26,965	25,983	25,001	24,019	23,037		
14   Button Registements		Return on Average Investment		175	169	165	159	154	149	144	138	133	128	122	117	1,753
Popular Total   St. 1979   St. 1980   St. 1985   St. 1777   St. 1771   St. 1980   St.																
16   Popular Total		Return Requirements	_	215	208	203	195	189	183	177	170	164	157	150	144	2,155
18   Investments		Program Total	_	\$1 197	\$1 190	\$1 185	\$1 177	\$1 171	\$1 165	\$1 159	\$1 152	\$1 146	\$1 139	\$1 132	\$1 126	\$13 939
19   Returnments				***	***	***	**	***	***	#0F 000	**		***		***	<b>#05.000</b>
20 Depreciation Rane 0 0 0 0 0 0 0 0 0 0 25,000 25,																\$25,000
22   Depreciation Expense						-										· ·
2 Depreciation Expense		Depressalish Daba		ŭ			Ü	Ü	ŭ	Ü	20,000	20,000	20,000	20,000	20,000	
24 Cumulative Investments 0 0 0 0 0 0 0 0 0 0 25,00	22	Depreciation Expense		0	0	0	0	0	0	0	417	417	417	417	417	2,085
28 Net Investment	24	Cumulative Investment	0	0	0	0	0	0	0	25,000	25,000	25,000	25,000	25,000	25,000	25,000
27 Average Investment 0 0 0 0 0 0 0 0 12,500 24,782 24,776 25,088 23,541 22,124 20,125 120 120 120 120 120 120 120 120 120 120	25	Less Accumulated Depreciation														2 085
28 Return on Average Investment 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0													22,915
Return Requirements 0 0 0 0 0 0 0 0 0 82 162 159 157 154 151 888 31   31 Program Total 50 50 50 50 50 50 50 50 50 50 50 50 50						-										
80 Return Requirements 0 0 0 0 0 0 82 162 159 157 154 151 886 32 86		Return on Average Investment		0	0	0	0	0	0	67	132	129	128	125	123	704
Second Control   Seco	30	Return Requirements	_	0	0	0	0	0	0	82	162	159	157	154	151	865
34   Investments   \$33,100   \$30,100   \$30,1		Program Total	_	\$0	\$0	\$0	\$0	\$0	\$0	\$82	\$579	\$576	\$574	\$571	\$568	\$2,950
34 Investments	22	Interruptible Service (D)														
Separation   Sep				\$33,100	\$33 100	\$33 100	\$33 100	\$33,100	\$33,100	\$33 100	\$33 100	\$33 100	\$33,100	\$33 100	\$33,100	\$397 200
38 Depreciation Expense 2,095 2,587 3,079 3,630 4,182 4,734 5,285 5,837 6,389 6,940 7,492 8,044 60,29   39	35	Retirements														7,153
38 Depreciation Expanse 2,095 2,587 3,079 3,630 4,182 4,734 5,285 5,837 6,389 6,940 7,492 8,044 60,29 39 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	36	Depreciation Base		125,673	155,197	184,720	217,820	250,920	284,020	317,120	350,220	383,320	416,420	449,520	482,620	
99 Unulative Investment 125,673 158,773 184,720 217,820 259,920 284,020 317,120 350,220 383,320 416,420 449,520 482,620 515,720 515,721 41 Less Accumulated Depreciation 39,435 41,530 38,084 40,043 43,873 47,855 52,589 57,874 63,711 70,100 77,040 84,532 92,576 92,571 42, Netwerther 101,741 132,500 162,787 192,512 221,706 250,348 278,439 305,378 332,965 359,400 385,284 410,816 42,814 424,444 43,814	37															
40 Cumulative Investment   125,673   158,773   194,720   217,820   250,920   284,020   317,120   350,220   383,320   416,420   449,520   449,520   425,756   25,7577   25,757   25,757   25,757   25,757   25,757   25,757   25,7577		Depreciation Expense		2,095	2,587	3,079	3,630	4,182	4,734	5,285	5,837	6,389	6,940	7,492	8,044	60,294
41 Less Accumulated Depreciation 39.435 41.530 38.6984 40.043 43.673 47.865 52.589 57.874 63.711 70.100 77.040 84.532 92.576 92.576 92.574  2 Net Investment 86.238 117.243 147.756 177.77 20.7167 228.165 264.531 92.346 319.609 346.320 372.460 386.088 4231.44 4231.44  43. Average Investment 101.741 132.500 162.767 192.512 22.706 25.0348 278.499 305.378 332.965 359.400 385.284 410.616  44. Return On Average Investment 1 .01.741 132.500 162.767 192.512 22.706 25.0348 278.499 305.378 332.965 359.400 385.284 410.616  45. The standard Program of Progr		Computation Investment	105 670	150 772	104 720	247 920	250 020	204.020	247 420	250 220	202 220	446 420	440 520	402 620	E4E 700	E4E 700
42 Net Investment																
43 Average Investment 101,741 132,500 162,787 192,512 221,706 250,448 278,439 305,378 332,965 359,400 385,284 410,616 48 Return Average Investment 541 704 866 1,024 1,179 1,331 1,481 1,627 1,771 1,912 2,049 2,184 16,666 45 665 865 1,064 1,258 1,449 1,635 1,819 1,999 2,176 2,349 2,517 2,883 20,477 47 8 Program Total \$2,760 \$3,452 \$4,143 \$4,888 \$5,631 \$6,369 \$7,104 \$7,836 \$8,565 \$9,289 \$10,009 \$10,727 \$80,775 48 Program Total \$5 \$0 \$0 \$0 \$0 \$0 \$7,104 \$7,836 \$8,565 \$9,289 \$10,009 \$10,727 \$80,775 49 \$1																
44 Return on Average Investment 541 704 866 1.024 1.179 1.331 1.481 1.627 1.771 1.912 2.049 2.184 16.686   45 Return Requirements 665 865 1.064 1.258 1.449 1.635 1.819 1.999 2.176 2.349 2.517 2.683 20.477   48 Program Total \$2.760 \$3.452 \$4.143 \$4.888 \$5.631 \$5.369 \$7.104 \$7.836 \$8.665 \$9.289 \$10,009 \$10,727 \$80,772   49 Standby Generation (O)   50 Investments \$ \$0 \$50 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0			,													120,
46 Returm Requirements 665 865 1,064 1,258 1,449 1,635 1,819 1,999 2,176 2,349 2,517 2,683 20,477 47 48 Program Total \$2,760 \$3,462 \$4,143 \$4,888 \$5,631 \$8,369 \$7,104 \$7,836 \$8,565 \$9,289 \$10,009 \$10,727 \$80,772 49 \$2,547 \$1,000 \$10,000 \$				541	704	866	1,024	1,179	1,331	1,481	1,627	1,771	1,912	2,049	2,184	16,669
48 Program Total \$2,760 \$3.452 \$4,143 \$4.888 \$5.631 \$6.369 \$7,104 \$7.836 \$8.565 \$9.299 \$10,009 \$10,727 \$80,775 \$80,775 \$10,775		Return Requirements		665	865	1,064	1,258	1,449	1,635	1,819	1,999	2,176	2,349	2,517	2,683	20,479
Sandby Generation (IO)   So   So   So   So   So   So   So   S			_													
50 Investments	48	Program Total	-	\$2,760	\$3,452	\$4,143	\$4,888	\$5,631	\$6,369	\$7,104	\$7,836	\$8,565	\$9,289	\$10,009	\$10,727	\$80,773
51 Retirements 0 35,171 0 0 0 0 0 12,367 0 0 0 0 0 47,535 52 Depreciation Base 67,538 49,952 32,367 32,367 32,367 32,367 32,367 26,183 20,000 20,000 20,000 20,000 20,000 53 Depreciation Expense 1,126 833 539 539 539 539 539 436 333 333 333 333 333 6,422 55 Cumulative Investment 67,538 67,538 32,367 32,367 32,367 32,367 32,367 32,367 20,000 20,																
52 Depreciation Bases 67,538 49,952 32,367 3																\$0
53																47,538
54 Depreciation Expense 1,126 833 539 539 539 539 539 436 333 333 333 333 333 333 6,427 55 55 55 55 55 55 55 55 55 55 55 55 55		Depreciation Base		67,538	49,952	32,367	32,367	32,367	32,367	32,367	26,183	20,000	20,000	20,000	20,000	
66 Cumulative Investment         67,538         67,538         32,367	54	Depreciation Expense		1,126	833	539	539	539	539	539	436	333	333	333	333	6,422
57 Less Accumulated Depreciation 39 008 40 134 5 796 6 335 6874 7 413 7 952 8 401 2 666 2 999 3 332 3 865 3 998 3 998  58 Net Investment 28,530 27,404 26,571 26,032 25,43 24,964 224,165 23,876 17,334 17,001 16,689 16,335 16,002 16,002  59 Average Investment 27,967 26,988 26,002 25,763 25,224 24,865 24,146 20,605 17,1168 16,835 16,002 16,169  60 Return on Average Investment 149 144 140 137 134 131 128 110 91 89 88 86 1,427  61  62 Return Requirements 183 177 172 168 165 161 157 135 112 109 108 106 1.755  63		Cumulative Investment	67 539	67 539	32 367	32 367	32 367	32 367	32 367	32 367	20.000	20.000	20.000	20.000	20,000	20,000
58 Net Investment 28,530 27,404 26,571 26,032 25,483 24,954 24,415 23,876 17,334 17,001 16,688 16,355 16,002 16,002 59 Average Investment 27,967 26,988 26,302 25,763 25,224 24,885 24,146 20,665 17,168 16,835 16,502 16,169 60 Return on Average Investment 149 144 140 137 134 131 128 110 91 89 88 86 1,427 61 62 Return Requirements 183 177 172 168 165 161 157 135 112 109 108 106 1,755 63																3 998
59 Average Investment 27,967 26,988 26,302 25,783 25,224 24,885 24,146 20,605 17,168 16,835 16,502 16,169 60 Return on Average Investment 149 144 140 137 134 131 128 110 91 89 88 86 1,427 61 62 Return Requirements 183 177 172 168 165 161 157 135 112 109 108 106 1.753 63																16.002
60 Return on Average Investment 149 144 140 137 134 131 128 110 91 89 88 86 1,427 61 61 62 Return Requirements 183 177 172 168 165 161 157 135 112 109 108 106 1.755 63																,502
61 62 Return Requirements																1,427
63	61															
64 Program Total \$1 309 \$1 010 \$711 \$707 \$704 \$700 \$696 \$571 \$445 \$442 \$441 \$439 \$8175	63	•	-													1 753
	64	Program Total	-	\$1 309	\$1 010	\$711	\$707	\$704	\$700	\$696	\$571	\$445	\$442	\$441	\$439	\$8 175

Notes

- 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 120007-EI.
- 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 DEFs Settlement Agreement in Docket No. 2017/0183-EI, Order No. PSC-2017-0451-AS-EU

Duke Energy Florida, LLC Energy Conservation Cost Recovery Schedule of Cap tal Investment, Depreciation & Return January 2019 December 2019

FPSC Docket No. 20180002 EG
Duke Energy Florida, LLC
Witness: Lori J. Cross
Exhibit No... (LJC 1P)
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Line															
	Program	Beginning	Est	Est	Est	Est	Est	Est	Est	Est	Est	Est	Est	Est	
No.	Demand (D) or Energy (E)	Balance	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Total
	Residential Energy Management Summ Expenditures Booked Directly to Plant	mary (Itemized Be	elow) \$1.031.497	\$1,031,497	\$1,031,497	\$1.031.497	\$1,031,497	\$1.031.497	\$1.031.497	\$1.031.497	\$1.031.497	\$1.031.497	\$1.031.497	\$1.031.497	\$12,377,964
	Retirements		71,164	158,154	479,651	460,980	44,892	55,407	21,054	89,890	24,267	73,394	24,668	19,943	1,523,464
4 I	Investments Booked to CWIP		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
	Closings to Plant Depreciation Base		62,838,123	63,754,960	64,467,555	65,028,736	65,807,297	66,788,644	67 704 044	68,757,935	69,732,354	70 745 020	71,697,487	493,992 72,706,678	493,992
о I	Depreciation Base		62,838,123	63,754,960	64,467,555	65,028,736	65,807,297	66,788,644	67,781,911	68,757,935	69,732,354	70,715,020	71,697,487	72,706,678	
8 9	Depreciation Expense		993,552	1,008,833	1,020,710	1,030,063	1,043,039	1,059,395	1,075,950	1,092,218	1,108,458	1,124,836	1,141,211	1,158,031	12,856,296
0 (	Cumulative Plant Investment	62,873,704	63,834,037	64,707,380	65,259,226	65,829,743	66,816,348	67,792,438	68,802,881	69,744,488	70,751,717	71,709,821	72,716,650	74,222,196	74,222,196
	Less Accumulated Depreciation Cumulative CWIP Investment	33,412,683	34,335,071 41 166	35,185,750 82 332	35,726,809 123 498	36,295,892 164,664	37,294,039 205 830	38,298,027 246 996	39,352,923 288 162	40,355,250 329 328	41,439,441 370 494	42,490,883 411 660	43,607,427 452,826	44,745,515 0	44,745,515
	Net Plant Investment	29,461,021	29,540,132	29,603,962	29,655,915	29,698,515	29,728,139	29,741,407	29,738,120	29,718,565	29,682,770	29,630,597	29,562,049	29,476,681	29,476,681
	Average Investment		29,500,577	29,572,047	29,629,939	29,677,215	29,713,327	29,734,773	29,739,764	29,728,343	29,700,668	29,656,684	29,596,323	29,519,365	
5 F	Return on Average Investment		156,890 0	157,270	157,578	157,829	158,022	158,136	158,162 0	158,101 0	157,954	157,720	157,400	156,989	1,892,051
7	Return Requirements	-	192 747	193 214	193 592	193 901	194 138	194 277	194 309	194 234	194 054	193 767	193 374	192 869	2 324 476
8 9 F	Program Total	_	\$1 186 299	\$1 202 047	\$1 214 302	\$1 223 964	\$1 237 177	\$1 253 672	\$1 270 259	\$1 286 452	\$1 302 512	\$1 318 603	\$1 334 585	\$1 350 900	\$15 180 772
	Residential Energy Management NGDF	R Hardware for O	DS, LMS, APPDI	EV. Also includ	es NGDR TELEC										
	Expenditures Booked Directly to Plant		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Retirements Investments Booked to CWIP		0	0	0	0	0	0	0	0	0	0	0	0	0
4 (	Closings to Plant		0	0	ō	0	ō	0	0	0	ō	0	ō	0	0
5 [	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	
6 7	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
8															
	Cumulative Plant Investment Less Accumulated Depreciation	10,587,391 7,408,702	10,587,391 7,531,391	10,587,391 7,654,080	10,587,391 7,776,769	10,587,391 7,899,458	10,587,391 8,022,147	10,587,391 8,144,836	10,587,391 8,267,525	10,587,391 8,390,214	10,587,391 8,512,903	10,587,391 8,635,592	10,587,391 8,758,281	10,587,391 8,880,970	10,587,391 8,880,970
1 (	Cumulative CWIP Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	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
	Average Investment		3,117,345 16,579	2,994,656 15,926	2,871,967 15,273	2,749,278 14,621	2,626,589 13,969	2,503,900 13,316	2,381,211 12,664	2,258,522 12,011	2,135,833 11,359	2,013,144 10,706	1,890,455 10,054	1,767,766 9,401	155,879
5	Return on Average Investment		16,579	15,926	15,273	14,621	13,969	13,316	12,664	12,011	11,359	10,706	10,054	9,401	155,878
3	Return Requirements	_	20 368	19 566	18 764	17 963	17 162	16 359	15 558	14 756	13 955	13 153	12 352	11 550	191 50€
7 3 F	Program Total		\$143 057	\$142 255	\$141 453	\$140 652	\$139 851	\$139 048	\$138 247	\$137 445	\$136 644	\$135 842	\$135 041	\$134 239	\$1 663 774
		-													
	Residential Energy Management NGDF			. (D)											
9															
0 6	Expenditures Booked Directly to Plant	R Software for OL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
0 1	Expenditures Booked Directly to Plant Retirements	R Software for OL	\$0 49,149	\$0 119,856	459,532	426,261	0	0	0	0	0	0	0	0	1,054,798
0 E	Expenditures Booked Directly to Plant	R Software for OL	\$0	\$0											
D E E E E E E E E E E E E E E E E E E E	Expenditures Booked Directly to Plant Retirements Investments Booked to CWIP	K Software for OL	\$0 49,149 41,166	\$0 119,856 41,166	459,532 41,166	426,261 41,166	0 41,166	0 41,166	0 41,166	0 41,166	0 41,166	0 41,166	0 41,166	0 41,166	1,054,798 493,992
D II 1 II 2 II 3 (4 II	Expenditures Booked Directly to Plant Retirements Investments Booked to CWIP Closings to Plant Depreciation Base	K Software for Oi	\$0 49,149 41,166 0 17,874,462	\$0 119,856 41,166 0	459,532 41,166 0 17,500,265	426,261 41,166 0 17,057,369	0 41,166 0	0 41,166 0 16,844,238	0 41,166 0	0 41,166 0 16,844,238	0 41,166 0 16,844,238	0 41,166 0	0 41,166 0	0 41,166 493,992	1,054,798 493,992 493,992
D E E E E E E E E E E E E E E E E E E E	Expenditures Booked Directly to Plant Retirements Investments Booked to CWIP Closings to Plant Depreciation Base Depreciation Expense		\$0 49,149 41,166 0 17,874,462 297,914	\$0 119,856 41,166 0 17,789,959 296,505	459,532 41,166 0 17,500,265 291,677	426,261 41,166 0 17,057,369 284,295	0 41,166 0 16,844,238 280,743	0 41,166 0 16,844,238 280,743	0 41,166 0 16,844,238 280,743	0 41,166 0 16,844,238 280,743	0 41,166 0 16,844,238 280,743	0 41,166 0 16,844,238 280,743	0 41,166 0 16,844,238 280,743	0 41,166 493,992 16,844,238 280,743	1,054,798 493,992 493,992 3,416,335
1	Expenditures Booked Directly to Plant Retirements Retirements Booked to CWIP Closings to Plant Depreciation Base Depreciation Expense	17,899,036	\$0 49,149 41,166 0 17,874,462 297,914 17,849,887	\$0 119,856 41,166 0 17,789,959 296,505 17,730,031	459,532 41,166 0 17,500,265 291,677 17,270,499	426,261 41,166 0 17,057,369 284,295 16,844,238	0 41,166 0 16,844,238 280,743 16,844,238	0 41,166 0 16,844,238 280,743 16,844,238	0 41,166 0 16,844,238 280,743 16,844,238	0 41,166 0 16,844,238 280,743 16,844,238	0 41,166 0 16,844,238 280,743 16,844,238	0 41,166 0 16,844,238 280,743 16,844,238	0 41,166 0 16,844,238 280,743 16,844,238	0 41,166 493,992 16,844,238 280,743 17,338,230	1,054,798 493,992 493,992 3,416,335
D II 1 II 2 II 3 (4 II 5 II 7 II	Expenditures Booked Directly to Plant Retirements Investments Booked to CWIP Closings to Plant Depreciation Base Depreciation Expense Cumulative Plant Investment Less Accumulated Depreciation		\$0 49,149 41,166 0 17,874,462 297,914 17,849,887 13,567,096	\$0 119,856 41,166 0 17,789,959 296,505 17,730,031 13,743,744	459,532 41,166 0 17,500,265 291,677 17,270,499 13,575,890	426,261 41,166 0 17,057,369 284,295 16,844,238 13,433,924	0 41,166 0 16,844,238 280,743 16,844,238 13,714,667	0 41,166 0 16,844,238 280,743 16,844,238 13,995,410	0 41,166 0 16,844,238 280,743 16,844,238 14,276,153	0 41,166 0 16,844,238 280,743 16,844,238 14,556,896	0 41,166 0 16,844,238 280,743 16,844,238 14,837,639	0 41,166 0 16,844,238 280,743 16,844,238 15,118,382	0 41,166 0 16,844,238 280,743 16,844,238 15,399,125	0 41,166 493,992 16,844,238 280,743	1,054,798 493,992 493,992 3,416,335
00 E E E E E E E E E E E E E E E E E E	Expenditures Booked Directly to Plant Retirements Retirements Booked to CWIP Closings to Plant Depreciation Base Depreciation Expense Cumulative Plant Investment Less Accumulated Depreciation Cumulative CWIP Investment New Plant Investment	17,899,036	\$0 49,149 41,166 0 17,874,462 297,914 17,849,887	\$0 119,856 41,166 0 17,789,959 296,505 17,730,031	459,532 41,166 0 17,500,265 291,677 17,270,499	426,261 41,166 0 17,057,369 284,295 16,844,238	0 41,166 0 16,844,238 280,743 16,844,238	0 41,166 0 16,844,238 280,743 16,844,238	0 41,166 0 16,844,238 280,743 16,844,238	0 41,166 0 16,844,238 280,743 16,844,238	0 41,166 0 16,844,238 280,743 16,844,238	0 41,166 0 16,844,238 280,743 16,844,238	0 41,166 0 16,844,238 280,743 16,844,238	0 41,166 493,992 16,844,238 280,743 17,338,230	1,054,798 493,992 493,992 3,416,335 17,338,230 15,679,868
00 E E E E E E E E E E E E E E E E E E	Expenditures Booked Directly to Plant Retirements Retirements Booked to CWIP Closings to Plant Depreciation Base Depreciation Expense Cumulative Plant Investment Less Accumulated Depreciation Cumulative UWIP Investment Vet Plant Investment Vet Plant Investment	17,899,036 13,318,331 0	\$0 49,149 41,166 0 17,874,462 297,914 17,849,887 13,567,096 41 166 4,323,957 4,452,331	\$0 119,856 41,166 0 17,789,959 296,505 17,730,031 13,743,744 82 332 4,088,618 4,196,288	459,532 41,166 0 17,500,265 291,677 17,270,499 13,575,890 123 498 3,818,107 3,943,363	426,261 41,166 0 17,057,369 284,295 16,844,238 13,433,924 164 664 3,574,978 3,696,543	0 41,166 0 16,844,238 280,743 16,844,238 13,714,667 205,830 3,335,401 3,455,190	0 41,166 0 16,844,238 280,743 16,844,238 13,995,410 246 996 3,095,824 3,215,613	0 41,166 0 16,844,238 280,743 16,844,238 14,276,153 288 162 2,856,247 2,976,036	0 41,166 0 16,844,238 280,743 16,844,238 14,556,896 329,328 2,616,670 2,736,459	0 41,166 0 16,844,238 280,743 16,844,238 14,837,639 370,494 2,377,093 2,496,882	0 41,166 0 16,844,238 280,743 16,844,238 15,118,382 411,660 2,137,516 2,257,305	0 41,166 0 16,844,238 280,743 16,844,238 15,399,125 452,826 1,897,939 2,017,728	0 41,166 493,992 16,844,238 280,743 17,338,230 15,679,868 0 1,658,362 1,778,151	1,054,798 493,992 493,992 3,416,335 17,338,230 15,679,868 0
00 E E E E E E E E E E E E E E E E E E	Expenditures Booked Directly to Plant Retirements Retirements Booked to CWIP Closings to Plant Depreciation Base Depreciation Expense Cumulative Plant Investment Less Accumulated Depreciation Cumulative CWIP Investment New Plant Investment	17,899,036 13,318,331 0	\$0 49,149 41,166 0 17,874,462 297,914 17,849,887 13,567,096 41166 4,323,957	\$0 119,856 41,166 0 17,789,959 296,505 17,730,031 13,743,744 82,332 4,068,618	459,532 41,166 0 17,500,265 291,677 17,270,499 13,575,890 123,498 3,818,107	426,261 41,166 0 17,057,369 284,295 16,844,238 13,433,924 164 664 3,574,978	0 41,166 0 16,844,238 280,743 16,844,238 13,714,667 205,830 3,335,401	0 41,166 0 16,844,238 280,743 16,844,238 13,995,410 246 996 3,095,824	0 41,166 0 16,844,238 280,743 16,844,238 14,276,153 288 162 2,856,247	0 41,166 0 16,844,238 280,743 16,844,238 14,556,896 329,328 2,616,670	0 41,166 0 16,844,238 280,743 16,844,238 14,837,639 370 494 2,377,093	0 41,166 0 16,844,238 280,743 16,844,238 15,118,382 411,660 2,137,516	0 41,166 0 16,844,238 280,743 16,844,238 15,399,125 452,826 1,897,939	0 41,166 493,992 16,844,238 280,743 17,338,230 15,679,888 0 1,658,362	1,054,798 493,992 493,992 3,416,335 17,338,230 15,679,868
00 H H 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Expenditures Booked Directly to Plant Retirements Retirements Booked to CWIP Closings to Plant Depreciation Base Depreciation Expense Cumulative Plant Investment Less Accumulated Depreciation Cumulative UWIP Investment Vet Plant Investment Vet Plant Investment	17,899,036 13,318,331 0	\$0 49,149 41,166 0 17,874,462 297,914 17,849,887 13,567,096 41 166 4,323,957 4,452,331	\$0 119,856 41,166 0 17,789,959 296,505 17,730,031 13,743,744 82 332 4,088,618 4,196,288	459,532 41,166 0 17,500,265 291,677 17,270,499 13,575,890 123 498 3,818,107 3,943,363	426,261 41,166 0 17,057,369 284,295 16,844,238 13,433,924 164 664 3,574,978 3,696,543	0 41,166 0 16,844,238 280,743 16,844,238 13,714,667 205,830 3,335,401 3,455,190	0 41,166 0 16,844,238 280,743 16,844,238 13,995,410 246 996 3,095,824 3,215,613	0 41,166 0 16,844,238 280,743 16,844,238 14,276,153 288 162 2,856,247 2,976,036	0 41,166 0 16,844,238 280,743 16,844,238 14,556,896 329,328 2,616,670 2,736,459	0 41,166 0 16,844,238 280,743 16,844,238 14,837,639 370,494 2,377,093 2,496,882	0 41,166 0 16,844,238 280,743 16,844,238 15,118,382 411,660 2,137,516 2,257,305	0 41,166 0 16,844,238 280,743 16,844,238 15,399,125 452,826 1,897,939 2,017,728	0 41,166 493,992 16,844,238 280,743 17,338,230 15,679,868 0 1,658,362 1,778,151	1,054,798 493,992 493,992 3,416,335 17,338,230 15,679,868 1,658,362
0 H H H H H H H H H H H H H H H H H H H	Expenditures Booked Directly to Plant Retirements Hooked to CWIP Closings to Plant Depreciation Base Depreciation Expense Cumulative Plant Investment Less Accumulated Depreciation Cumulative WIP Investment Vet Plant Investment Vet Plant Investment Return on Average Investment Return on Average Investment Return Requirements	17,899,036 13,318,331 0	\$0 49,149 41,166 0 17,874,462 297,914 17,849,887 13,567,096 41,166 4,323,957 4,452,331 23,678	\$0 119,856 41,166 0 17,789,959 296,505 17,730,031 13,743,744 82,332 4,068,618 4,196,288 22,317	459,532 41,166 0 17,500,265 291,677 17,270,499 13,575,890 123 498 3,818,107 3,943,363 20,972	426,261 41,166 0 17,057,369 284,295 16,844,238 13,433,924 164 664 3,574,978 3,696,543 19,659	0 41,166 0 16,844,238 280,743 16,844,238 13,714,667 205,830 3,335,401 3,455,190 18,375	0 41,166 0 16,844,238 280,743 16,844,238 13,995,410 246,996 3,095,824 3,215,613 17,102 21,011	0 41,166 0 16,844,238 280,743 16,844,238 14,276,153 288 162 2,856,247 2,976,036 15,827	0 41,166 0 16,844,238 280,743 16,844,238 14,556,896 329 328 2,616,670 2,736,459 14,553	0 41,166 0 16,844,238 280,743 16,844,238 14,837,639 370,494 2,377,093 2,496,882 13,279	0 41,166 0 16,844,238 280,743 16,844,238 15,118,382 411 660 2,137,516 2,257,305 12,005	0 41,166 0 16,844,238 280,743 16,844,238 15,399,125 452,826 1,897,939 2,017,728 10,731 13,184	0 41,166 493,992 16,844,238 280,743 17,338,230 15,679,868 0 1,658,362 1,778,151 9,456	1,054,798 493,992 493,992 3,416,335 17,338,230 15,679,868 1,658,362
1	Expenditures Booked Directly to Plant Retirements Retirements Booked to CWIP Closings to Plant Depreciation Base Depreciation Expense Cumulative Plant Investment Less Accumulated Depreciation Cumulative CWIP Investment Vet Plant Investment Vet Plant Investment Return on Average Investment Return on Average Investment	17,899,036 13,318,331 0	\$0 49,149 41,166 0 17,874,462 297,914 17,849,887 13,567,096 41 166 4,323,957 4,452,331 23,678 29 090	\$0 119,856 41,166 0 17,789,959 296,505 17,730,031 13,743,744 82,332 4,068,618 4,196,288 22,317 27,418	459,532 41,166 0 17,500,265 291,677 17,270,499 13,575,890 123 498 3,818,107 3,943,363 20,972 25 765	426,261 41,166 0 17,057,369 284,295 16,844,238 13,433,924 164 664 3,574,978 3,696,543 19,659 24 152	0 41,166 0 16,844,238 280,743 16,844,238 13,714,667 205 830 3,335,401 18,375 22 575	0 41,166 0 16,844,238 280,743 16,844,238 13,995,410 246 996 3,095,824 3,215,613 17,102	0 41,166 0 16,844,238 280,743 16,844,238 14,276,153 288 162 2,856,247 2,976,036 15,827	0 41,166 0 16,844,238 280,743 16,844,238 14,556,896 329,328 2,616,670 2,736,459 14,553	0 41,166 0 16,844,238 280,743 16,844,238 14,837,639 370 494 2,377,093 2,496,882 13,279	0 41,166 0 16,844,238 280,743 16,844,238 15,118,382 411,660 2,137,516 2,257,305 12,005	0 41,166 0 16,844,238 280,743 16,844,238 15,399,125 452,826 1,897,939 2,017,728 10,731	0 41,166 493,992 16,844,238 280,743 17,338,230 15,679,888 0 1,658,362 1,778,151 9,456	1,054,798 493,992 493,992 3,416,335 17,338,230 15,679,886 0 1,658,362 197,954
0 I I I I I I I I I I I I I I I I I I I	Expenditures Booked Directly to Plant Reteriements Recreaments Parkeriements Becked to CWIP Closings to Plant Depreciation Base Depreciation Expense Cumulative Plant Investment Less Accumulated Depreciation Cumulative WIIP Investment New Plant Investment New Plant Investment New Plant Investment Return on Average Investment Return on Average Investment Return Requirements Program Total	17,899,036 13,318,331 0 4,580,705	\$0 49,149 41,166 0 17,874,462 297,914 17,849,887 13,567,096 41 166 4,323,957 4,452,331 23,678 29 090 \$327,004	\$0 119,856 41,166 0 17,789,959 296,505 17,730,031 13,743,744 82,332 4,088,618 4,196,288 22,317 27,418 \$323,923	459,532 41,166 0 17,500,265 291,677 17,270,499 13,575,890 123 498 3,818,107 3,943,363 20,972 25 765	426,261 41,166 0 17,057,369 284,295 16,844,238 13,433,924 164 664 3,574,978 3,696,543 19,659 24 152	0 41,166 0 16,844,238 280,743 16,844,238 13,714,667 205 830 3,335,401 18,375 22 575	0 41,166 0 16,844,238 280,743 16,844,238 13,995,410 246,996 3,095,824 3,215,613 17,102 21,011	0 41,166 0 16,844,238 280,743 16,844,238 14,276,153 288 162 2,856,247 2,976,036 15,827	0 41,166 0 16,844,238 280,743 16,844,238 14,556,896 329,328 2,616,670 2,736,459 14,553	0 41,166 0 16,844,238 280,743 16,844,238 14,837,639 370,494 2,377,093 2,496,882 13,279	0 41,166 0 16,844,238 280,743 16,844,238 15,118,382 411 660 2,137,516 2,257,305 12,005	0 41,166 0 16,844,238 280,743 16,844,238 15,399,125 452,826 1,897,939 2,017,728 10,731 13,184	0 41,166 493,992 16,844,238 280,743 17,338,230 15,679,888 0 1,658,362 1,778,151 9,456	1,054,798 493,992 493,992 3,416,335 17,338,234 15,679,86 (1,658,36;
0 II	Expenditures Booked Directly to Plant Retirements Hooked to CWIP Closings to Plant Depreciation Base Depreciation Expense Cumulative Plant Investment Less Accumulated Depreciation Cumulative WIP Investment Vet Plant Investment Vet Plant Investment Return on Average Investment Return on Average Investment Return Requirements	17,899,036 13,318,331 0 4,580,705	\$0 49,149 41,166 0 17,874,462 297,914 17,849,887 13,567,096 41,166 4,323,957 4,452,331 23,678 29,090 \$327,004	\$0 119,856 41,166 0 17,789,959 296,505 17,730,031 13,743,744 82,332 4,088,618 4,196,288 22,317 27,418 \$323,923	459,532 41,186 0 17,500,285 291,677 17,270,499 13,575,890 123,498 3,818,107 3,943,363 20,972 25,765 \$317,442	426,261 41,166 0 17,057,369 284,295 16,844,238 13,433,924 164,664 3,574,978 24,152 \$308,447	0 41,166 0 16,844,238 280,743 16,844,238 13,714,667 205,830 3,335,401 18,375 22,575 \$303,318	0 41,166 16,844,238 280,743 16,844,238 13,995,410 246,996 3,095,824 17,102 21,011 \$301,754	0 41,166 0 0 16,844,238 280,743 16,844,238 14,276,153 288 162 2,856,247 2,976,036 15,827 19 444 \$300,187	0 41,166 0 16,844,238 280,743 16,844,238 14,556,896 329,328 2,616,670 17,879 \$298,622	0 41,166 0 16,844,238 280,743 16,844,238 14,837,639 370,494 2,377,093 2,496,882 13,279	0 41,166 0 16,844,238 280,743 16,844,238 15,118,32 411,660 2,137,516 2,257,305 12,005 14,749 \$295,492	0 41,166 0 16,844,238 280,743 16,844,238 15,399,125 452,826 1,897,939 2,017,728 10,731 13,184 \$293,927	0 41,166 493,992 16,844,238 280,743 17,338,230 15,679,888 0 1,658,362 1,778,151 9,456	1,054,738 493,992 3,416,335 17,338,230 15,679,886 197,956 243,196 \$3,659,533
0 I I I 2 I 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	Expenditures Booked Directly to Plant Reteriements Recreaments Honorary Continguation Plant Depreciation Base Depreciation Base Depreciation Expense Cumulative Plant Investment Less Accumulation Composition Committee OWIP Investment Not Plant Not Pla	17,899,036 13,318,331 0 4,580,705	\$0 49,149 41,166 0 17,874,462 297,914 17,849,887 13,567,936 41,166 4,323,957 4,452,331 23,673 29,090 \$327,004 \$1,031,497 2,2,015	\$0 119,856 41,166 017,789,959 296,505 17,730,031 13,743,744 82,332 4,088,618 4,196,288 22,317 27,418 \$323,923	459,532 41,160 0 17,500,285 291,677 17,270,499 13,575,898 3,818,107 3,943,363 20,972 25,765 \$317,442	426,261 41,166 0 17,057,369 284,295 16,844,238 13,433,924 164,664 3,574,978 3,696,543 19,659 24,152 \$308,447 \$1,031,497 3,4719	0 41,166 0 16,844,238 280,743 16,844,238 13,714,667 205,830 13,355,401 3,455,190 18,375 22,575 \$303,318	0 41,166 0 16,844,238 280,743 16,844,238 13,995,410 246,996 3,095,824 3,215,613 17,102 21,011 \$301,754	0 41,166 16,844,238 280,743 16,844,238 14,276,153 288,162 2,856,247 2,976,036 15,827 19,444 \$300,187	0 41,166 16,844,238 28,07,43 16,844,238 14,556,98 2,616,670 2,736,459 14,553 17,879 \$298,622	0 41,166 16,844,238 280,743 16,844,238 14,837,633 370,494 2,377,093 2,496,882 13,279 16,314 \$297,057	0 41,166 16,844,238 280,743 16,844,238 15,118,382 411,660 2,137,516 2,257,305 12,005 14,749 \$295,492	0 41,166 0 16,844,238 280,743 16,844,238 15,399,125 452,826 1,897,939 2,017,728 10,731 13,184 \$293,927	0 41,166 493,992 16,844,238 280,743 17,338,230 15,679,868 0 1,658,362 1,778,151 9,456 111 617 \$292,360	1,054,798 493,992 493,992 3,416,335 17,338,234 15,679,868 197,955 243,199 \$3,659,533 \$12,377,964 468,666
0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Expenditures Booked Directly to Plant Reteriements  Merchant Booked to CWIP Closings to Plant  Depreciation Base  Depreciation Expense  Cumulative Plant Investment  Less Accumulated Depreciation  Cumulative WIIP Investment  New Plant Investment  New Plant Investment  New Plant Investment  Return on Average Investment  Return on Average Investment  Return Control Plant  Program Total  Residential Energy Management Load  Expenditures Booked Directly to Plant  Retirements  Investments Booked to CWIP	17,899,036 13,318,331 0 4,580,705	\$0 49,149 41,166 0 17,874,462 297,914 17,849,887 13,567,096 41,166 4,323,957 4,452,331 23,678 29,090 \$327,004	\$0 119,856 41,166 0 17,789,959 296,505 17,730,031 13,743,744 82,332 4,088,618 4,196,288 22,317 27,418 \$323,923	459,532 41,60 0 17,500,285 291,677 17,270,498 3,818,107 3,943,363 20,972 25,765 \$317,442 \$1,031,497 20,119	426,261 41,166 0 17,057,369 284,295 16,844,238 13,433,924 164 664 3,574,978 24 152 \$3,086,543 19,659 24 152 \$3,084,47	0 41,168 0 16,844,238 16,844,238 13,714,667 205,830 3,335,401 18,375 22,575 \$303,318	0 41,166 16,844,238 280,743 16,844,238 13,995,410 246,996 3,095,824 17,102 21,011 \$301,754	0 41,168 0 16,844,238 16,844,238 16,844,238 14,276,153 288,162 2,976,036 15,827 19,444 \$300,187 \$1,031,497 21,054	0 41,168 0 16,844,238 16,844,238 14,556,896 329,328 2,616,670 14,553 17,879 \$298,622	0 41,166 0 16,844,238 286,743 16,844,238 14,837,639 370,494 2,377,093 12,496,882 13,279 16,314 \$297,057	0 41,168 0 16,844,238 280,743 16,844,238 411,680 2,137,516 12,005 12,005 14,749 \$295,492 \$1,031,497 73,394	0 41,166 16,844,238 280,742 16,844,238 16,844,238 15,399,125 452,266 1,807,339 10,731 13,184 \$293,927 \$1,031,497 24,668	0 41,166 493,992 16,844,238 280,743 17,338,230 15,679,888 15,679,888 1,778,151 9,456 11,617 \$292,360	1.054,798 493,992 3,416,335 17,338,233 15,679,885 197,954 243,198 \$3,659,533 \$12,377,964 468,666
11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Expenditures Booked Directly to Plant Reteriements Recreaments Honorary Continguation Plant Depreciation Base Depreciation Base Depreciation Expense Cumulative Plant Investment Less Accumulation Composition Committee OWIP Investment Not Plant Not Pla	17,899,036 13,318,331 0 4,580,705	\$0 49,149 41,166 017,874,462 297,914 17,849,887 13,567,964 41,166 4,323,967 4,452,331 23,678 29,090 \$327,004 ***********************************	\$0 119,856 41,166 017,789,959 296,505 17,730,031 13,743,744 82,332 4,088,618 4,196,288 22,317 27,418 \$323,923	459,532 41,160 0 17,500,285 291,677 17,270,499 13,575,898 3,818,107 3,943,363 20,972 25,765 \$317,442	426,261 41,166 0 17,057,369 284,295 16,844,238 13,433,924 164,664 3,574,978 3,696,543 19,659 24,152 \$308,447 \$1,031,497 3,4719	0 41,166 0 16,844,238 280,743 16,844,238 13,714,667 205,830 13,355,401 3,455,190 18,375 22,575 \$303,318	0 41,168 0 16,844,238 280,743 16,844,238 13,995,410 24,996 3,095,824 3,215,813 17,102 21,011 \$301,754 \$1,031,497 55,407 55,407	0 41,166 16,844,238 280,743 16,844,238 14,276,153 288,162 2,856,247 2,976,036 15,827 19,444 \$300,187	0 41,166 16,844,238 28,07,43 16,844,238 14,556,98 2,616,670 2,736,459 14,553 17,879 \$298,622	0 41,166 16,844,238 280,743 16,844,238 14,837,633 370,494 2,377,093 2,496,882 13,279 16,314 \$297,057	0 41,166 16,844,238 280,743 16,844,238 15,118,382 411,660 2,137,516 2,257,305 12,005 14,749 \$295,492	0 41,166 0 16,844,238 280,743 16,844,238 15,399,125 452,826 1,897,939 2,017,728 10,731 13,184 \$293,927	0 41,166 493,992 16,844,238 280,743 17,338,230 15,679,868 0 1,658,382 1,778,151 9,456 11 617 \$292,360 \$1,031,497 19,943 0	1,054,738 493,992 493,992 3,416,335 17,338,23( 15,679,868 (1,658,362 197,954 243,198 \$3,659,533
	Expenditures Booked Directly to Plant Reteriements Reteriements Reteriements Booked to CWIP Closings to Plant Depreciation Base Depreciation Expense Cumulative Plant Investment Less Accumulative CWIP Investment Ness Accumulated Depreciation Cumulative CWIP Investment New Plant Investment New Plant Investment Return on Average Investment Return on Average Investment Program Total Returns Requirements Program Total Returns Requirements Program Total Colonigus to Plant Returns Return Colonigus Debat October 100 Debat Returns Return	17,899,036 13,318,331 0 4,580,705	\$0 49,149 41,166 117,874,462 297,914 17,849,887 13,567,006 41,166 4,323,97 23,678 29,000 \$327,004 \$1,031,497 22,015 0 0 34,376,270	\$0 119,856 41,166 641,166 17,789,959 296,505 17,730,031 13,743,744 18,232 4,098,618 4,196,288 22,317 27,418 \$323,923 1(D) \$1,031,497 38,298 0 0 35,377,610	459,532 41,166 17,500,265 291,677 17,270,499 13,575,890 123,498 3,818,107 3,943,363 20,972 25,765 \$317,442	426,261 41,166 0 17,057,369 288,295 16,844,238 13,433,924 164,664 3,574,978 3,696,543 19,659 24 152 \$308,447	0 41.168 0 16.844.238 2280,743 16.844.238 13.714.667 205.830 3.335.401 3.455.190 18.375 22.675 \$303.318	0 41,166 0 16,844,238 280,743 16,844,238 13,995,410 246 996 3,095,824 3,215,613 17,102 21 011 \$301,754	0 41,166 0 16,844,238 16,844,238 16,844,238 14,276,153 2816,22 2,856,247 2,976,036 15,827 19,444 \$300,187	0 41,166 0 16,844,238 16,844,238 16,844,238 14,556,996 329 328 2,616,670 2,736,459 14,553 17 879 \$298,622	0 41,166 0 16,844,238 16,844,238 16,844,238 14,837,639 370,494 2,377,093 2,496,882 13,279 13,279 13,279 51,031,497 24,267 0 0 42,300,725	0 41,166 0 16,844,238 16,844,238 15,118,382 411660 2,257,305 12,005 14,749 \$295,492 \$1,031,497 73,394 0 0 43,283,391	0 41,166 0 16,844,238 280,743 16,844,238 15,399,125 452,826 1,897,939 210,731 13,184 \$293,927 \$1,031,497 24,668 0 0 44,265,858	0 41,166 493,992 16,844,238 280,743 17,338,230 15,679,868 0 1,658,362 1,778,151 9,456 11 617 \$292,360 \$1,031,497 19,943 0 45,275,049	1,054,788,403,992 493,992 3,416,335 17,338,23( 15,679,866,362 197,954 493,199 \$1,656,366,533 \$12,377,964 68,666 0 0
11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Expenditures Booked Directly to Plant Reteriements Reteriements Reteriements Booked to CWIP Closings to Plant Depreciation Base Depreciation Expense Cumulative Plant Investment Less Accumulative Office Plant Depreciation Cumulative CWIP Investment Average Investment Average Investment Return on Average Investment Program Total Plant Investments Program Total Residential Energy Management Load Expenditures Booked Directly to Plant Returnments Booked Directly to Plant Returnments Booked to CWIP Closings to Plant Investments Booked to CWIP Closings to Plant Investment Investment Booked to CWIP Closings to Plant Investment Investment Booked to CWIP Closings to Plant Investment Booked to CWIP Closings to Plant Investment Investment Booked to CWIP Closings to Plant Investment Booked to CWIP	17,899,036 13,318,331 0 4,580,705	\$0 49,149 41,166 017,874,462 297,914 17,849,887 13,567,006 13,567,006 13,23,957 29,090 \$3,27,004 \$1,031,497 22,015 0 0	\$0 119,856 41,166 61,789,959 296,505 17,730,031 13,743,744 82,332 4,088,618 4,196,288 22,317 27,418 \$323,923	459,532 41,166 0 17,500,265 291,677 17,270,499 13,575,890 123,498 3,818,107 3,943,363 20,972 25,765 \$317,442 \$1,031,497 20,119 0 0	426,261 41,105 0 17,057,369 288,295 16,844,238 13,433,924 164,664 3,574,978 3,696,543 19,650 24 152 \$308,447	0 41,166 0 16,844,238 16,844,238 113,714,667 205,830 3,335,401 13,475,190 18,375 22,575 \$303,318	0 41,166 0 16,844,238 280,743 16,844,238 13,995,407 17,102 21 011 \$301,754	0 41,166 0 16,844,238 16,844,238 14,276,153 288 162 2,856,247 2,976,036 15,827 19,444 \$300,187	0 41,166 0 16,844,238 16,844,238 14,556,996 27,326,459 14,553 17,879 \$298,622	0 41,166 0 16,844,238 16,844,238 14,837,639 370,494 2,377,093 2,496,882 13,279 16,314 \$297,057	0 41,166 0 16,844,238 16,844,238 15,118,382 411,660 2,257,305 12,005 14,749 \$295,492 \$1,031,497 73,394 0 0	0 41,166 0 16,844,238 16,844,238 116,844,238 116,399,125 452,226 10,737 13,184 \$293,927	0 41,166 493,992 16,844,238 280,743 17,338,230 15,679,868 0 1,688,362 1,778,151 9,456 11,617 \$292,360 \$1,031,497 19,943 0	1.054,798 493,992 3,416,335 17,338,233 15,679,885 197,954 243,198 \$3,659,533 \$12,377,964 468,666
11234	Expenditures Booked Directly to Plant Retirements  Merchant Booked to CWIP Closings to Plant  Depreciation Base  Depreciation Expense  Cumulative Plant Investment  Less Accumulated Depreciation  Cumulative WIP Investment  New Plant Investment  Return on Average Investment  Return on Average Investment  Return Construction  Requirements  Program Total  Residential Energy Management Load  Expenditures Booked Directly to Plant  Retirements  Investments Booked to CWIP  Closings to Plant  Amortization Base  Amortization Expense  Cumulative Plant Investment	17,899,036 13,318,331 0 4,580,705	\$0 49.149 41.166 17.874.462 297.914 17.849.887 13.567.096 41.166 43.23,957 4.452,331 23.673 23.673 23.004 \$1.031,497 22.015 0 4.376,270 572,949 35,396,759	\$0 119,856 41,166 6,117,789,959 296,505 17,730,031 13,743,744 82,332 4,068,618 4,196,288 22,317 27,418 \$323,923 0,00 1,00 1,00 1,00 1,00 1,00 1,00 1,0	459,532 41,166 0 17,500,265 291,677 17,270,499 13,575,890 12,498 3,818,107 3,943,35 20,972 25,765 \$317,442 \$1,031,497 20,119 0 36,379,899 606,344 37,401,336	426,261 41,168 0 17,057,369 284,295 16,844,238 13,433,924 194,697 3,696,543 19,659 19,659 19,659 308,447 \$1,031,497 34,719 0 37,383,976 623,079	0 41,166 0 16,844,238 13,714,667 20,583 0 3,335,401 3,455,901 8,375 \$303,318 \$1,031,497 44,892 0 38,375,686 39,607 39,384,719	0 41,166 0 16,844,238 280,743 16,844,238 13,955,410 246,996 3,005,824 3,215,613 17,102 21,011 \$3,01,754 \$1,031,497 55,407 0 39,357,015 655,963 40,360,809	0 41.168 0 16.844.238 280,743 16.844.238 14.276.153 288.162 2.856.247 2.976.036 15.827 19.444 \$300,187 21.054 0 0 40.350,282 672.518 41,371,252	0 41,166 0 16,844,238 14,556,896 22,734,497 89,990 0 41,326,339 41,326,339 622	0 41,166 0 16,844,238 280,743 16,844,238 14,837,639 370,404 2,377,093 2,496,882 13,279 16,314 \$297,057 24,267 0 0 42,300,725 705,026 43,320,088	0 41,166 0 16,844,238 280,743 16,844,238 15,118,382 411,860 2,257,305 12,005 14,749 \$295,492 \$1,031,497 73,394 0 0 43,283,391 721,404 44,278,191	0 41,166 0 16,844,238 15,309,125 452,926 1,897,939 2,017,731 13,184 \$293,927 \$1,031,497 24,668 0 0 44,265,858 737,779	0 41,166 493,992 16,844,238 280,743 17,338,230 15,679,868 0 1,658,362 1,778,151 9,456 11 617 \$292,360 \$1,031,497 19,943 0 0 45,275,049 754,599 46,296,575	1,054,786 493,992 493,992 3,416,335 17,338,234 15,679,866 197,954 243,196 \$3,659,533 \$12,377,964 468,666 0 0
11234	Expenditures Booked Directly to Plant Reteriements Referements Referements Booked to CWIP Closings to Plant Depreciation Base Depreciation Base Depreciation Expense Cumulative Plant Investment Less Accumulative Officer Plant Investment Average Investment Return on Average Investment Return on Average Investment Program Total Residential Energy Management Load Expenditures Booked Directly to Plant Return Requirements Program Total Colonings to Plant Investment Booked to CWIP Closings to Plant Amortization Base Accumulative Plant Investment Less Accumulative Plant Investm	17,899,036 13,318,331 0 4,580,705	\$0 49,149 41,166 117,874,462 297,914 17,849,887 13,567,006 4,1166 4,323,97 23,678 29,000 \$327,004 \$1,031,497 22,015 0 0 34,376,270 572,949	\$0 119,856 41,166 61,789,959 296,505 17,730,031 13,743,744 13,743,744 14,196,288 22,317 27,418 \$323,923 1(D) \$1,031,497 38,298 0 0 35,377,610 589,639	459,532 41,166 0 17,500,265 291,677 17,270,499 13,575,890 123,498 3,818,107 3,943,363 20,972 25,765 \$3,17,442 \$1,031,497 20,119 0 0 36,379,899 606,344	426,281 426,281 10 17,057,389 2284,295 16,844,238 13,433,924 164,664 3,574,978 3,696,543 19,659 24 152 \$308,447 \$1,031,497 3,719 0 0 37,383,976 623,079	0 41.168 0 16.844.238 280.743 16.844.238 13.714.667 205.830 3.335.401 3.455.190 18.375 22.575 \$303.318 \$1,031,497 44.892 0 0 38.375.688 639.607 39.384.719 15.557.25	0 41,166 0 16,844,238 280,743 16,844,238 13,995,410 246,996 3,005,824 3,215,613 3,215,613 3,215,613 5,5407 0 0 0 39,357,015 655,963	0 41.166 0 16.844.238 289.743 16.844.238 14.276.153 288.162 2.856.247 2.976.036 15.827 19.444 \$300.187 \$1.031.497 21.054 0 0 40.350.282 672.518	0 41.166 0 16.844.238 280,743 16.844.238 14.556.896 329 328 2.616.670 2.566.82 \$1.031.497 \$9.890 0 0 41.326.306 688.786	0 41.166 0 16.844.238 280,743 16.844.238 14.837,639 370.494 2.377,093 2.496,882 13.279 16.314 \$297.057 \$1.031,497 24.267 0 0 42.300,725 705,026 43.300,088	0 41.166 0 16.844.238 280.743 16.844.238 15.118.382 411.660 12.257.305 12.005 14.749 \$295.492 \$1.031.497 73.394 0 0 43.283.391 721.404	0 41,166 0 16,844,238 280,743 16,844,238 15,399,125 452,826 1,897,739 210,731 13,184 \$203,927 \$1,031,497 24,668 0 0 44,265,858	0 41,166 493,992 16,844,238 280,743 17,338,230 15,679,868 0 1,658,362 1,778,151 9,456 11 617 \$292,360 \$1,031,497 19,943 0 45,275,049 754,599	1,064,788 493,992 493,992 3,416,335 17,338,234 15,679,861 197,95- 243,191 \$3,659,533 \$12,377,964 468,666 0 0
0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Expenditures Booked Directly to Plant Retriements  Retriements Booked to CWIP   Closings to Plant   Depreciation Base   Depreciation Expense   Cumulative Plant Investment   Less Accumulated Depreciation   Cumulative WIP Investment   Retriement   Return on Average Investment   Return on Average Investment   Return Canada   Return on Average Investment   Return Requirements   Retriement   Return Depreciation   Complete   Retriement   Return Depreciation   Complete   Retriement   Retr	17,899,036 13,318,331 0 4,580,705  Management Sw 34,387,277 12,685,650	\$0 49.149 41.166 17.874.462 297.914 17.849,887 13.567,096 41.166 43.23,957 4.452,331 23.673 23.673 23.074 23.075 51.031,497 20.015 0 0 572,949 35,396,759 13.236,584	\$0 119,856 41,166 61,1789,859 296,505 17,730,031 13,743,744 82,332 4,088,618 4,196,288 22,317 27,418 \$323,923 0 0 5,1031,497 38,298 0 0 5,377,610 599,639 36,389,958 13,787,925	459,532 41,166 1,500,265 291,677 17,270,499 13,575,890 13,575,890 3,818,107 3,943,367 20,197 25,765 \$317,442 \$1,031,497 20,119 0 36,379,899 606,344 37,401,336 14,374,150	426,261 41,168 0 17,057,369 284,295 16,844,238 13,433,924 194,669 13,574,979 3,686,543 19,659 19,659 24,152 \$308,447 \$1,031,497 34,719 0 37,383,976 623,079 36,398,114	0 41,166 0 16,844,238 13,714,667 20,583 0 3,335,401 3,455,601 8,375 \$303,318 \$1,031,497 44,892 0 38,375,688 639,607 39,384,719 15,557,225	0 41,166 0 16,844,238 280,743 16,844,238 13,995,410 246,996 3,005,824 3,215,813 17,102 21,011 \$3,01,754 \$1,031,497 55,407 0 39,357,015 655,963 40,360,809 16,157,781	0 41.166 0 16.844.238 280.743 16.844.238 14.275.153 288.162 2.856.247 2.976.036 15.827 19.444 \$300.187 21.054 0.0 0.0 40.350.282 672.518 41,371.252 16.809.244	0 41,166 0 16,844,238 14,556,896 22,784,859 0 0 41,326,339,328 28,859,90 0 0 41,326,336,336,336,336,336,336,336,336,336	0 41,166 0 16,844,238 280,743 16,844,238 14,837,639 370,404 2,377,003 2,496,882 13,279 16,314 \$297,057 24,267 0 0 42,300,725 705,026 43,320,088 18,088,899	0 41,166 0 16,844,238 280,743 16,844,238 15,118,382 411,860 22,137,516 2,257,305 12,005 14,749 \$295,482 0 0 43,283,391 721,404 44,278,191 18,736,909	0 41,166 0 16,844,238 15,309,125 452,926 1,897,939 2,017,731 13,184 \$293,927 \$1,031,497 24,668 0 0 44,265,858 737,779	0 41,166 493,992 16,844,238 280,743 17,338,230 15,679,888 0 1,658,382 1,778,151 9,456 11 617 \$292,360 \$1,031,497 19,943 0 0 45,275,049 754,599 46,296,575 20,184,677 0	1,054,786 493,992 493,992 3,416,335 71,338,234 15,679,866 197,954 243,199 \$3,659,533 \$12,377,964 468,666 0 0 7,967,693 46,296,577 20,184,677
0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Expenditures Booked Directly to Plant Reteriements Referements Referements Booked to CWIP Closings to Plant Depreciation Base Depreciation Base Depreciation Expense Cumulative Plant Investment Less Accumulative Officer Plant Investment Average Investment Return on Average Investment Return on Average Investment Program Total Residential Energy Management Load Expenditures Booked Directly to Plant Return Requirements Program Total Colonings to Plant Investment Booked to CWIP Closings to Plant Amortization Base Accumulative Plant Investment Less Accumulative Plant Investm	17,899,036 13,318,331 0 4,580,705	\$0 49.149 41.166 17.874.462 297.914 17.849.887 13.567.096 41.166 43.23,957 4.452,331 23.673 23.673 23.004 \$1.031,497 22.015 0 4.376,270 572,949 35,396,759	\$0 119,856 41,166 6,117,789,959 296,505 17,730,031 13,743,744 82,332 4,068,618 4,196,288 22,317 27,418 \$323,923 0,00 1,00 1,00 1,00 1,00 1,00 1,00 1,0	459,532 41,166 0 17,500,265 291,677 17,270,499 13,575,890 12,498 3,818,107 3,943,35 20,972 25,765 \$317,442 \$1,031,497 20,119 0 36,379,899 606,344 37,401,336	426,261 41,168 0 17,057,369 284,295 16,844,238 13,433,924 194,697 3,696,543 19,659 19,659 19,659 308,447 \$1,031,497 34,719 0 37,383,976 623,079	0 41.168 0 16.844.238 280.743 16.844.238 13.714.667 205.830 3.335.401 3.455.190 18.375 22.575 \$303.318 \$1,031,497 44.892 0 0 38.375.688 639.607 39.384.719 15.557.25	0 41,166 0 16,844,238 280,743 16,844,238 13,955,410 246,996 3,005,824 3,215,613 17,102 21,011 \$3,01,754 \$1,031,497 55,407 0 39,357,015 655,963 40,360,809	0 41.168 0 16.844.238 280,743 16.844.238 14.276.153 288.162 2.856.247 2.976.036 15.827 19.444 \$300,187 21.054 0 0 40.350,282 672.518 41,371,252	0 41,166 0 16,844,238 14,556,896 22,734,497 89,990 0 41,326,339 41,326,339 622	0 41.166 0 16.844.238 280,743 16.844.238 14.837,639 370.494 2.377,093 2.496,882 13.279 16.314 \$297.057 \$1.031,497 24.267 0 0 42.300,725 705,026 43.300,088	0 41,166 0 16,844,238 280,743 16,844,238 15,118,382 411,860 2,257,305 12,005 14,749 \$295,492 \$1,031,497 73,394 0 0 43,283,391 721,404 44,278,191	0 41,166 0 16,844,238 15,309,125 452,926 1,897,939 2,017,731 13,184 \$293,927 \$1,031,497 24,668 0 44,265,858 737,779	0 41,166 493,992 16,844,238 280,743 17,338,230 15,679,868 0 1,658,362 1,778,151 9,456 11 617 \$292,360 \$1,031,497 19,943 0 0 45,275,049 754,599 46,296,575	1,054,786 493,992 493,992 3,416,335 71,338,234 15,679,866 197,954 243,199 \$3,659,533 \$12,377,964 468,666 0 0 7,967,693 46,296,577 20,184,677
01 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Expenditures Booked Directly to Plant Reteriements Reteriements Reteriements Booked to CWIP Closings to Plant Peters and Plant Peters P	17,899,036 13,318,331 0 4,580,705  Management Sw 34,387,277 12,685,650	\$0 49,149 41,166 117,874,462 297,914 17,849,887 13,567,006 4,1166 4,323,97 29,000 \$1,327,004 \$1,321,497 22,015 0 34,376,270 572,949 35,367,270 42,205,5684 0 22,160,175	\$0 119,856 41,166 61,17,789,959 296,505 17,730,031 13,743,744 82,332 4,088,618 22,317 27,418 \$323,923 10D \$1,031,497 38,298 0 0,35,377,610 589,395 36,389,958 13,787,925 0 22,602,033	459,532 41,166 0 17,500,265 291,677 17,270,499 13,575,890 123,498 3,818,107 3,943,363 20,972 25,765 \$3,17,442 \$1,031,497 20,119 0 0 36,379,899 666,344 37,40,336 14,374,150 0 23,027,186	426,261 41,166 17,057,369 284,295 16,844,238 13,433,324 164,664 3,574,978 3,696,543 19,659 24 152 \$308,447 \$1,031,497 34,719 0 0 37,383,976 623,079 38,388,114 41,962,509 38,388,114	0 41.168 0 16.844.238 280,743 16.844.238 13.714.667 205.830 3.335.401 3.455.190 18.375 22.676 \$303.318 \$1.031.497 44.892 0 0 38.375.668 639.607 39.384.719 15.557.225 0 23.827.494	0 41,166 0 16,844,238 280,743 16,844,238 13,995,410 246,996 3,095,824 3,215,613 3,215,613 3,215,613 9,357,015 65,563 40,360,809 15,157,781 0 0 24,2203,028	0 41.166 0 16.844.238 289.743 16.844.238 14.276.153 288.162 2.856.247 2.976.036 15.827 19.444 \$300,187 \$1.031,497 21.054 6.0 0 40.350.282 672.518 41.371.26 16.809.244 0 24.562.007 24.562.007 24.562.007 0 24.562.00	0 41.166 0 16.844.238 289.743 16.844.238 14.556.896 2.736.459 14.553 17.879 \$298.622 \$1.031,497 89.899 0 0 41.326.306 688.786 42.312.858 17.408.140 0 24.904,718	0 41.166 0 16.844.238 280,743 16.844.238 14.837.639 370.944 2.377.093 2.496.882 13.279 16.314 \$297.057 \$1.031.497 24.267 0 0 42.300,725 705,026 43.30,088 15.088,089 0 0 25.231.189 0	0 41.166 0 16.844.238 280,743 16.844.238 15.118.382 411.660 12.257.305 12.005 14.749 \$295.492 \$1.031,497 73.394 42.283,391 721,404 44.278,191 18,736.900 0 25.541.282 0 0 25.541.282	0 41,166 0 16,844,238 280,743 16,844,238 15,399,125 452,826 10,731 13 184 \$293,927 \$1,031,497 24,688 0 0 0 44,265,858 737,779 45,285,021 19,450,025	0 41,166 493,992 16,844,238 280,743 17,338,230 15,679,868 0 1,658,362 1,778,151 9,456 11 617 \$292,360 \$1,031,497 19,943 0 45,275,049 754,599 46,296,575 20,184,677 0 26,111,898	1,064,788 493,992 493,992 3,416,335 17,338,234 15,679,864 197,95- 243,191 \$3,659,533 \$12,377,964 468,666 0 0 7,967,693 46,296,577 20,184,677 20,184,677
0 1 1 2 1 1 1 2 1 1 1 1 2 1 1 1 1 1 1 1	Expenditures Booked Directly to Plant Retirements  Retirements Booked to CWIP   Closings to Plant   Depreciation Base   Depreciation Expense   Cumulative Plant Investment   Less Accumulated Depreciation   Cumulative WIP Investment   Retirement   Return on Average Investment   Return on Average Investment   Return Construction   Return on Average Investment   Load   Expenditures Booked to CWIP   Closings to Plant   Amortization Expense   Cumulative CWIP Investment   Less Accumulative CWIP Investment   Ret Plant Investment   Ret Plant Investment   Return on Average Investment   Return	17,899,036 13,318,331 0 4,580,705  Management Sw 34,387,277 12,685,650	\$0 49.149 41.166 17.874,462 297.914 17.849,897 13.567,096 41.166 43.23,957 4.452,331 23,673 23,673 23,004 \$1,031,497 22,015 0 4,376,270 572,949 35,396,759 13,236,684 22,160,175 22,1930,901	\$0 119,856 41,166 641,166 117,789,859 296,505 17,730,031 13,743,744 82,332 4,068,618 4,196,288 22,317 27,418 \$323,923 10(D) \$1,031,497 38,298 0 0 5,377,610 589,639 36,389,958 13,787,925 0,22,681,037,897,925	459,532 41,166 0 17,500,265 291,677 17,270,499 13,575,890 12,498 3,818,107 3,943,32 25,765 \$317,442 \$1,031,497 20,119 0 36,379,899 606,344 37,401,336 14,374,150 0 23,027,186 22,814,610	426,261 41,168 0 17,057,389 284,295 16,844,238 13,433,324 16,664 3,574,978 3,806,547 34,719 0 0 37,383,976 623,079 38,388,114 14,962,509 0 24,455,504 24,525 33,88,114 14,962,509 0 23,435,604 23,231,395	0 41,166 0 16,844,238 13,714,667 20,583 0 18,375,601 3,355,401 3,455,190 0 38,375,606 639,607 39,384,719 15,567,225 23,315,497 44,592 0 238,375,686 639,607 39,384,719 15,567,225 0 23,827,494 23,831,7497	0 41,166 0 16,844,238 280,743 18,844,238 13,905,410 246,996 30,058,824 3215,613 17,102 21,011 \$301,754 \$1,031,497 55,407 0 39,357,015 655,963 40,360,809 16,157,781 024,203,028 24,015,261	0 41.168 0 16.844.238 280,743 16.844.238 14.276.153 288.162 2.856.247 2.976.03 15.827 19.444 \$300,187 21.054 0.0 0.0 40.350.282 672.518 41.371.252 16.809.244 24.382.518	0 41,166 0 16,844,238 280,743 16,844,238 14,556,896 329 328 328 328 328 328 328 328 328 328 328	0 41,166 0 16,844,238 280,743 16,844,238 14,837,639 370,494 2,377,093 2,496,882 13,279 16,314 \$297,057 24,267 0 0 42,300,725 705,026 43,320,088 18,088,899 052,321,189 25,067,954 (17,00)	0 41,166 0 16,844,238 280,743 16,844,238 15,118,382 411,660 2,257,305 12,005 14,749 \$295,492 \$1,031,497 73,394 0 0 43,283,391 721,404 44,278,191 18,736,909 0 25,541,282 25,366,236	0 41,166 0 16,844,238 15,309,125 452,926 1,897,939 2,017,731 13,184 \$293,927 \$1,031,497 24,668 0 44,265,868 737,779 45,285,021 19,450,021 19,450,021 19,25,688,141	0 41,166 493,992 16,844,238 280,743 17,338,230 15,679,868 0 1,658,362 1,778,151 9,456 11 617 \$292,360 \$1,031,497 19,943 0 0 45,275,049 754,599 46,296,575 20,184,677 20,184,677 0 26,111,898	1,054,788 493,992 493,992 3,416,335 17,338,234 15,679,888 1,658,362 197,354 243,198 \$3,659,533 \$12,377,964 468,666 0 0 7,967,693 46,296,575 20,184,677 20,184,677
012345678901234567 891107	Expenditures Booked Directly to Plant Reteriements Referements Referements Booked to CWIP Closings to Plant Personal Per	17,899,036 13,318,331 0 4,580,705  Management Sw 34,387,277 12,685,650	\$0 49,149 41,166 17,874,462 297,914 17,849,887 13,567,096 41 166 4,323,957 4,452,331 23,673 23,673 23,004 \$1,031,497 22,015 0 0 572,949 35,396,759 13,236,584 21,930,901 116,633 143,289	\$0 119,856 41,166 41,166 117,789,859 296,505 17,730,031 13,743,744 82,332 4,088,618 4,196,288 22,317 27 418 \$323,923 0 5,1031,497 38,298 0 0 5,577,610 589,639 36,389,958 13,787,925 0 22,602,033 22,381,104 119,027	459,532 41,166 0 17,500,265 291,677 17,270,499 13,575,890 12,498 3,818,107 3,943,32 25,765 \$317,442 \$1,031,497 20,119 0 36,379,899 606,344 37,401,336 14,374,150 23,027,186 22,814,610 121,333 149,063	426,261 41,168 0 17,057,369 284,295 16,844,238 13,433,324 16,664 3,574,978 3,866,547 34,719 0 0 37,383,976 623,079 38,388,114 14,962,509 0 24,455 623,079 38,388,114 14,962,509 0 23,435,604 22,231,395 123,549 151,786	0 41,168 0 16,844,238 13,714,667 20,583 0 18,375 22,575 \$303,318 \$1,031,497 44,592 0 0 38,375,686 639,607 39,384,719 15,567,225 23,815,7494 22,831,5678 154,401	0 41,166 0 16,844,238 13,905,410 246,996 30,905,824 3215,613 17,102 21,011 \$301,754 \$1,031,497 55,407 0 39,357,015 655,963 40,360,809 15,157,781 127,718 156,907	0 41.168 0 16.844.238 14.276.153 288.162 2 2.856.247 2.976.03 15,827 19.444 \$300,187 21.054 0 0 0 2 4.562.007 24.382.518 14.371.252 16.809.244 129.671 159.307	0 41,166 0 16,844,238 14,556,896 22,734,395 14,553 17,879 \$298,622 \$1,031,497 89,890 0 41,326,306 688,786 42,312,858 17,408,140 24,904,718 24,733,338 131,537 161,599	0 41,166 0 16,844,238 280,743 16,844,238 14,837,639 370,494 2,377,093 2,496,882 13,279 16,314 \$297,057 24,267 0 0 42,300,725 705,026 43,320,088 18,088,899 052,321,189 25,067,954 133,316 163,785	0 41.166 0 16.844.238 280,743 16.844.238 15.118.382 411.660 2.257.305 12.005 14.749 \$295,492 \$1.031,497 73.394 0 0 43.283.391 721,404 44.278,191 18,736.909 0 25,541.282 25,366.236 135.009 165.865	0 41,166 0 16,844,238 15,399,125 452,926 1,897,939 2,017,731 13,184 \$293,927 \$1,031,497 24,688 737,779 45,285,021 19,450,021 19,450,021 19,450,021 19,558,500 25,688,141 136,615	0 41,166 493,992 16,844,238 280,743 17,338,230 15,679,868 0 1,658,362 1,778,151 9,456 11 617 \$292,360 \$1,031,497 19,943 0 0 45,275,049 754,599 46,296,575 20,184,677 0 26,111,898 25,973,449 138,132 169 702	1,054,798 493,992 493,992 3,416,335 17,338,236 15,679,888 243,198 \$3,659,533 \$12,377,964 468,666 0 0 7,967,693 46,296,575 20,184,677 20,184,677 20,184,677 20,184,677
00 1 1 1 2 1 0 1 1 1 2 1 1 1 1 2 1 1 1 1	Expenditures Booked Directly to Plant Retriements  Retriements Booked to CWIP  Closings to Plant  Depreciation Base  Depreciation Expense  Cumulative Plant Investment  Less Accumulated Depreciation  Cumulative WIP Investment  New Plant Investment  Return on Average Investment  Return on Average Investment  Return Consultation  Return  Re	17,899,036 13,318,331 0 4,580,705  Management Sw 34,387,277 12,685,650	\$0 49.149 41.166 17.874,462 297.914 17.849,879 13.567,096 41.166 43.23,957 4.452,331 23.673 23.673 23.673 23.673 5327,004  ***Citches (0005120 0 0.0 0.752,949 35,396,759 13.236,584 21,930,901 116,633	\$0 119,856 41,166 41,166 61,7789,859 296,505 17,730,031 13,743,744 82,332 4,088,618 4,196,288 22,317 27 418 \$323,923 0 0 5,1031,497 38,298 0 0 5,377,610 589,639 36,389,958 13,787,925 0 22,602,033 22,381,104 119,027	459,532 41,166 0 17,500,265 291,677 17,270,499 13,575,890 12,498 3,818,107 3,943,32 25,765 \$317,442 \$1,031,497 20,119 0 0 36,379,899 606,344 37,401,336 14,374,150 23,077,186 22,814,610 23,814,810 24,814,814,810 24,814,814,810 24,814,810 24,814,810 24,814,810 24,814,810 24,814,810 24,814,810 24,814,810 24,814,810 24,814,810 24,814,810 24,814,810 24,814,810 24,814,810 24,814,810 24,814,810 24,814,810 24,814,814,810 24,814,810 24,814,810 24,814,810 24,814,810 24,814,810 24,814,810 24,814,810 24,814,810 24,814,810 24,814,810 24,814,814,8	426,261 41,168 0 17,057,369 284,295 16,844,238 13,433,324 16,664 3,574,978 3,866,547 19,659 24 152 \$308,447 \$1,031,497 34,719 0 0 37,383,976 623,079 38,398,114 14,962,509 0 24,455,604 22,231,395 22,231,395 23,231,549	0 41,166 0 16,844,238 13,714,667 20,583 0 18,375,601 3,355,401 3,455,190 0 38,375,601 39,384,719 15,567,225 23,315,474 23,315,474 24,592 0 238,375,686 639,607 39,384,719 15,567,225 23,817,494 23,815,678	0 41,166 0 16,844,238 13,995,410 246,996 317,102 21,011 \$301,754 \$1,031,497 55,407 0 39,357,015 655,963 40,360,809 16,157,781 27,718	0 41.168 0 16.844.238 14.276.153 288.162 2 2.856.247 2.976.036 15,827 19.444 \$300,187 21.054 0.0 0 40.350.282 672.518 41,371.252 16.809.244 4.382.518 129.671	0 41,166 0 16,844,238 280,743 16,844,238 14,556,896 329 328 328 328 328 328 328 328 328 328 328	0 41,166 0 16,844,238 280,743 16,844,238 14,837,639 370,494 2,377,093 2,496,882 13,279 16,314 \$297,057 24,267 0 0 42,300,725 705,026 43,320,088 18,088,899 052,521,189 25,067,954 133,316	0 41,166 0 16,844,238 280,743 16,844,238 15,118,382 411,660 2,257,305 12,005 14,749 \$295,492 \$1,031,497 73,394 0 0 43,283,391 721,404 44,278,191 18,736,909 0,25,541,282 25,386,236 51,35,009	0 41,166 0 16,844,238 15,309,125 452,926 1,897,939 2,017,731 13,184 \$293,927 \$1,031,497 24,668 0,44,265,868 737,779 45,285,021 19,450,021 19,450,021 19,588,141 19,685	0 41,166 493,992 16,844,238 280,743 17,338,230 15,679,868 0 1,658,362 1,778,151 9,456 11 617 \$292,360 \$1,031,497 19,943 0 0 45,275,049 754,599 46,296,575 20,184,677 20,184,677 0 26,111,888 25,973,449 138,132	1,064,798 493,992 493,992 3,416,335 17,338,236 15,679,888 243,198 \$3,659,533 \$12,377,964 468,666 0 0 7,967,693 46,296,575 20,184,677 20,184,677 20,184,677
10	Expenditures Booked Directly to Plant Referements Referements Hereiments Hereiments Booked to CWIP Closings to Plant Depreciation Base Depreciation Base Depreciation Base Depreciation Base Depreciation Base Depreciation Expense Cumulative Plant Investment Less Accumulated Depreciation Cumulative CWIP Investment New Plant Investment Return On Average Investment Return on Average Investment Return on Average Investment Return Requirements Program Total Residential Energy Management Load Expenditures Booked Objectly to Plant Return Control	17,899,036 13,318,331 0 4,580,705  Management Sw 34,387,277 12,685,650	\$0 49,149 41,166 017,874,462 297,914 17,849,887 13,567,066 41 166 43323,957 4,452,331 23,678 29,090 \$327,004 \$1,031,497 22,015 0 0 34,376,270 572,949 35,367,524 0 22,160,175 21,930,301 116,633 1143,289 \$716,238	\$0 119,856 41,166 61,1789,959 296,505 17,780,031 13,743,744 82,332 4,196,288 22,317 27,418 \$323,923 100) \$1,031,497 38,298 0 0 35,377,610 589,639 36,389,639 36,389,639 22,602,033 22,381,104 119,027 146,230 \$735,669	459,532 41,166 0 17,500,265 0 17,500,265 291,677 17,270,499 13,575,890 123,498 3,818,107 3,943,363 20,972 25,765 \$317,442 \$1,031,497 20,119 0 0 36,379,899 606,344 37,401,336 143,374,150 23,027,186 22,814,610 121,333 149,063	426,261 41,166 0 17,057,369 284,295 16,844,238 13,433,924 164,664 3,574,978 3,696,543 19,659 24 152 \$308,447 \$1,031,497 34,719 0 0 37,383,976 623,079 38,388,114 41,962,509 12,435,604 22,21,395 123,435,604 23,21,395 123,435,604 23,21,395 123,435,604 23,21,395 123,435,604 21,21,395 123,435,604 21,21,395 123,435,604 21,21,395 123,435,604 21,21,395 123,435,604 21,21,395 123,435,604 21,21,395 123,435,604 21,21,395 123,435,604 21,21,395 123,435,604 21,21,395	0 41.168 0 16.844.238 2280,743 16.844.238 13.714.667 205.830 3.335.401 3.355.401 3.455.190 18.375 22.676 \$303.318 \$1.031.497 44.892 0 0 38.375.668 639.607 39.384.719 15.557.225 20 23.827.944 23.631.549 125.678 15.579.4008	0 41,166 0 16,844,238 280,743 16,844,238 13,995,410 246,996 3,095,824 3,215,613 3,215,613 40,361,497 55,407 0 0 39,357,015 655,963 40,360,809 15,157,754 127,718 127,718 156,907 \$812,670	0 41.166 0 16.844.238 14.276.153 288 162 2.856.247 2.976.036 15.827 19.444 \$300.187 \$1.031.497 21.054 67.251 81.031.497 24.350.282 67.2.518 41.371.252 42.562.007 24.382.518 129.671 159.307 \$831.825	0 41.166 0 16.844.238 289.743 16.844.238 14.556.896 2.736.56.896 14.553 17.879 \$298.622 \$1.031,497 89.899 0 0 41.326.306 688.786 42.312.858 17.408.140 0 24.904.718 24.733.363 131.53 131.53 161.599 \$8550.385	0 41.166 0 16.844.238 280,743 16.844.238 14.837.639 370.944 2.377.093 2.496.882 13.279 16.314 \$297.057 24.267 0 0 42.300,725 705.026 43.300,088 18.088.890 0 25.231.189 25.067.954 133.316 163.785 \$868.811	0 41.166 0 16.844.238 280,743 16.844.238 15.118.382 411.660 2.137.516 2.257.305 12.005 14.749 \$295.492 \$1.031,497 73.394 42.283,391 721,404 44.278,191 18,736.809 0 25.541.282 25.386.236 135.009 165.865 \$887.269	0 41,166 0 16,844,238 280,743 16,844,238 15,399,125 452 626 1,897,599 20,731 13 184 \$293,927 \$1,031,497 24,688 0 0 0 44,265,858 737,779 45,285,021 19,450,025 6,881,141 136,615 1167 838 \$905,617	0 41,166 493,992 16,844,238 280,743 17,338,230 15,679,868 0 1,658,362 1,778,151 9,456 11 617 \$292,360 \$1,031,497 19,943 0 45,275,049 754,599 46,296,575 20,184,677 0 26,111,898 25,973,449 138,132 169,702	1,054,788 493,992 493,992 3,416,335 17,338,230 15,679,868 197,954 243,198 \$3,659,533 \$12,377,964 468,660 0 0 7,967,693 46,296,575 2,114,879 1,538,218 1,538,218 1,538,218
012345678901234567 8901234567890123456 78	Expenditures Booked Directly to Plant Reteriements Referements Recked to CWIP Closings to Plant Personal Progression Base Depreciation Expense Cumulative Plant Investment Less Accumulative Plant Investment Less Accumulative OWIP Investment New Plant Investment Return on Average Investment Return on Average Investment Return Requirements Program Total Residential Energy Management Load Expenditures Booked Directly to Plant Retirements Program Total Retirements Plant Investment Booked to CWIP Closings to Plant Amortization Base Amortization Expense Cumulative Plant Investment Less Accumulated Depreciation Cumulative CWIP Investment New Plant Investment Return on Average Investment Return on Average Investment Return on Average Investment Return on Average Investment Return Requirements	17,899,036 13,318,331 0 4,580,705  Management Sw 34,387,277 12,685,650	\$0 49,149 41,166 17,874,462 297,914 17,849,887 13,567,096 41 166 4,323,957 4,452,331 23,673 23,673 23,004 \$1,031,497 22,015 0 0 572,949 35,396,759 13,236,584 21,930,901 116,633 143,289	\$0 119,856 41,166 41,166 117,789,859 296,505 17,730,031 13,743,744 82,332 4,088,618 4,196,288 22,317 27 418 \$323,923 0 5,1031,497 38,298 0 0 5,577,610 589,639 36,389,958 13,787,925 0 22,602,033 22,381,104 119,027	459,532 41,166 0 17,500,265 291,677 17,270,499 13,575,890 12,498 3,818,107 3,943,32 25,765 \$317,442 \$1,031,497 20,119 0 36,379,899 606,344 37,401,336 14,374,150 23,027,186 22,814,610 121,333 149,063	426,261 41,168 0 17,057,369 284,295 16,844,238 13,433,324 16,664 3,574,978 3,866,547 34,719 0 0 37,383,976 623,079 38,388,114 14,962,509 0 24,455 623,079 38,388,114 14,962,509 0 23,435,604 22,231,395 123,549 151,786	0 41,168 0 16,844,238 13,714,667 20,583 0 18,375 22,575 \$303,318 \$1,031,497 44,592 0 0 38,375,686 639,607 39,384,719 15,567,225 23,815,7494 22,831,5678 154,401	0 41,166 0 16,844,238 13,905,410 246,996 30,905,824 3215,613 17,102 21,011 \$301,754 \$1,031,497 55,407 0 39,357,015 655,963 40,360,809 15,157,781 127,718 156,907	0 41.168 0 16.844.238 14.276.153 288.162 2 2.856.247 2.976.03 15.827 19.444 \$300.187 21.054 0 0 0 2 4.562.007 24.382.518 14.371.252 16.809.244 129.671 159.307	0 41,166 0 16,844,238 14,556,896 22,734,395 14,553 17,879 \$298,622 \$1,031,497 89,890 0 41,326,306 688,786 42,312,858 17,408,140 24,904,718 24,733,338 131,537 161,599	0 41,166 0 16,844,238 280,743 16,844,238 14,837,639 370,494 2,377,093 2,496,882 13,279 16,314 \$297,057 24,267 0 0 42,300,725 705,026 43,320,088 18,088,899 052,321,189 25,067,954 133,316 163,785	0 41.166 0 16.844.238 280,743 16.844.238 15.118.382 411.660 2.257.305 12.005 14.749 \$295,492 \$1.031,497 73.394 0 0 43.283.391 721,404 44.278,191 18,736.909 0 25,541.282 25,366.236 135.009 165.865	0 41,166 0 16,844,238 15,399,125 452,926 1,897,939 2,017,731 13,184 \$293,927 \$1,031,497 24,688 737,779 45,285,021 19,450,021 19,450,021 19,450,021 19,558,500 25,688,141 136,615	0 41,166 493,992 16,844,238 280,743 17,338,230 15,679,868 0 1,658,362 1,778,151 9,456 11 617 \$292,360 \$1,031,497 19,943 0 0 45,275,049 754,599 46,296,575 20,184,677 0 26,111,898 25,973,449 138,132 169 702	1,054,798 493,992 493,992 493,992 3,416,335 17,338,230 15,679,868 1,558,362 243,198 \$3,659,533 \$12,377,964 468,666 0 0 7,967,693 46,296,575 20,184,677 20,184,677 1,538,218 1,538,218

- Notes

   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 120007-EI.
   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 DEFs Settlement Agreement in Docket No. 2017/0183-EI, Order No. PSC-2017-0451-AS-EU

FPSC Docket No. 20180002-EG Duke Energy Florida, LLC Witness Lori J. Cross Exhibit No. (LJC-1P) Schedule C-3 Page 1 of 8

#### Duke Energy Florida, LLC Energy Conservation Cost Recovery Program Costs January - June 2018 Actuals July - December 2018 Estimates

Program			Depreciation			Operatir	ng & Maintenanc	e Costs			Program	
Home Entity Check (E)	Line		Amortization	Payroll &		Outside	Materials				Revenues	
A Actual   S7,644   S1,421,665   S47,172   S531,233   S48,204   S326,456   S20,066   S70,269   S0   S2,708,364   S1,621   S1,621   S1,621   S1,622   S1,041,233   S10,204   S0,603   S48,666   S10,606   S10,606   S10,607,40	No.	Demand (D) or Energy (E)	& Return	Benefits	Vehicles	Services	& Supplies	Advertising	Incentives	Other	(Credits)	Total
A Actual   S7,644   S1,421,665   S47,172   S531,233   S48,204   S326,456   S20,066   S70,269   S0   S2,708,364   S1,621   S1,621   S1,621   S1,622   S1,041,233   S10,204   S0,603   S48,666   S10,606   S10,606   S10,607,40												
B. Estimated   7,380   1,380,000   51,000   51,000   54,000   30,000   24,000   66,000   0   2,652,300   1   2,000			P7.044	£4 404 FCF	£47.400	<b>PE24 222</b>	£40.004	<b>#200 450</b>	<b>#</b> 055 000	£70.000	¢0	fo 700 004
C. Total   S15.024   S2801.665   S98.129   S10.41.233   S102.204   S676.453   S489.866   S136.269   S0   S5.360.744   S6.360.744   S6												
C. Total   S15.024   S2.801,565   S98.129   S1.041,233   S102,204   S676,453   S489,866   S136,269   S0   S5.360,744     Residential Incentive Program (E)   Residential Incentive Program (E)   Residential Incentive Program (E)     Residential Incentive Program (E)   S0   S1.168,127   S38,584   S97,086   S15.187   (S9.028)   S2.760,121   S19,114   S0   S4.091,201     Residential Incentive Program (E)   S0   S2.333,127   S80,084   S190,086   S29,867   S23,472   S5.20,121   S7.114   S0   S7.913,701     C. Total   S0   S2.333,127   S80,084   S190,086   S29,867   S23,472   S5.20,121   S7.114   S0   S7.913,701     S1.0222222222222222222222222222222222222		B. Estimated	7,300	1,360,000	31,000	310,000	34,000	330,000	234,000	00,000	0	2,032,300
Residential Incentive Program (E)   Su St. 1,169,127   S.39,584   S97,086   S15,187   S.30,289   S2,780,121   S19,114   S0 S.4,081,201   S.5,001	•	C. Total	\$15.024	\$2.801.565	\$98.129	\$1.041.233	\$102.204	\$676.453	\$489.866	\$136,269	\$0	\$5,360,744
Natival   Nati				<del></del>	***************************************	<b>*</b> ', ', ' ', ', ', ', ', ', ', ', ', ', '	****	40.0,.00	<del></del>	<del></del>	**	***************************************
Natival   Nati	7	Residential Incentive Program (E)										
	8		\$0	\$1,169,127	\$39,584	\$97,096	\$15,187	(\$9,028)	\$2,760,121	\$19,114	\$0	\$4,091,201
1   C. Total   S0   S2,333,127   S80,084   S190,096   S29,867   S23,472   S5,220,121   S37,114   S0   S7,913,701     2	9	B. Estimated	0	1,164,000	40,500	93,000	14,500	32,500	2,460,000	18,000	0	3,822,500
	10		-									
Subsence Feneroy Check (E)   Subsence Fener	11	C. Total	\$0	\$2,333,127	\$80,084	\$190,096	\$29,687	\$23,472	\$5,220,121	\$37,114	\$0	\$7,913,701
A Actual   A Actual   A Actual   A Actual   B Estimated   O   211,800   A 4,003   S14,610   S4,858   S5,938   S12,227   S10,466   S0   S269,118   SE Estimated   O   211,800   A 4,000   S5,000   S5,000   S20,000   S24,457   S2,465   S22,466   S0   S533,945   S24,457   S2,465   S22,466   S0   S533,945   S2,465   S2,465   S22,466   S2,465   S2,	12											
1	13	Business Energy Check (E)										
C. Total   \$4,119	14	A. Actual										
		B. Estimated	0	211,800	4,000	15,000	600	9,200	12,227	12,000	0	264,827
Setter Business (E)				_								
		C. Total	\$4,119	\$424,277	\$8,403	\$29,610	\$5,458	\$15,138	\$24,454	\$22,486	\$0	\$533,945
A Actual   S   S   S   S   S   S   S   S   S												
B. Estimated   Control			•			****	*****	*****	****	010010	•	
C. Total  So \$1,227,232 \$10,721 \$93,583 \$5,662 \$28,913 \$1,560,019 \$22,010 \$0 \$2,948,139  C. Total  So \$1,227,232 \$10,721 \$93,583 \$5,662 \$28,913 \$1,560,019 \$22,010 \$0 \$0 \$2,948,139  C. Total  So \$132,723 \$3 \$2,181 \$12,712 \$0 \$0 \$0 \$6,022 \$0 \$153,641  C. Total  So \$238,621 \$3 \$21,181 \$18,712 \$0 \$0 \$0 \$10,000 \$0 \$331,898  C. Total  So \$238,621 \$3 \$21,181 \$18,712 \$0 \$0 \$16,022 \$0 \$485,539  Florida Custom Incentive Program (E)  A Actual  So \$87,233 \$125 \$95,752 \$5,369 \$25,735 \$45,790 \$1,049 \$0 \$261,053  B. Estimated  O \$0,000 \$210 \$51,536 \$120 \$12,000 \$120,000 \$1,200 \$0 \$245,666  C. Total  So \$147,233 \$335 \$147,288 \$5,489 \$37,735 \$165,790 \$2,249 \$0 \$506,119  Florida Custom Incentive Program (E)  So \$147,233 \$335 \$147,288 \$5,489 \$37,735 \$165,790 \$2,249 \$0 \$506,119  Florida Custom Incentive Program (E)  So \$147,233 \$335 \$147,288 \$5,489 \$37,735 \$165,790 \$2,249 \$0 \$506,119  Florida Custom Incentive Program (E)  So \$147,233 \$335 \$147,288 \$5,489 \$37,735 \$165,790 \$2,249 \$0 \$506,119  Florida Custom Incentive Program (E)  So \$147,14,712 \$1,147,128 \$1,147,147,147,147,147,147,147,147,147,14												
C. Total   S.   S.   S.   S.   S.   S.   S.   S		B. Estimated	0	613,500	4,875	31,500	3,000	10,000	750,000	8,400	0	1,421,275
		C. Total	Φ0	¢1 227 222	¢10.721	¢02 502	<b>\$5.662</b>	\$29,012	\$1.560.010	\$22,010	Φ0	\$2,049,120
		C. Total	<b></b>	φ1,221,232	\$10,721	φ33,303	\$5,002	\$20,913	\$1,500,019	\$22,010	ΨΟ	Ψ2,940,139
Social   S		Tochnology Dovolonment (E)										
B. Estimated   0   105,898   0   210,000   6,000   0   0   10,000   0   331,898     C. Total			\$0	¢132 723	<b>¢</b> 3	\$2.181	¢12 712	\$0	90	\$6,022	\$0	\$153.6/1
28 C. Total \$0 \$238,621 \$3 \$212,181 \$18,712 \$0 \$0 \$16,022 \$0 \$485,539 \$0 \$16,022 \$0 \$485,539 \$0 \$16,022 \$0 \$485,539 \$0 \$16,022 \$0 \$485,539 \$0 \$16,022 \$0 \$485,539 \$0 \$16,022 \$0 \$485,539 \$0 \$16,022 \$0 \$16,023 \$0 \$16,022 \$0 \$16,022 \$0 \$16,022 \$0 \$16,023 \$0 \$16,022 \$0 \$16,023 \$0 \$16,022 \$0 \$16,023 \$0 \$16,022 \$0 \$16,023 \$0 \$16,022 \$0 \$16,023 \$0 \$16,022 \$0 \$16,023 \$0 \$16,022 \$0 \$16,023 \$0 \$16,022 \$0 \$16,023 \$0 \$16,022 \$0 \$16,023 \$0 \$16,022 \$0 \$16,023 \$0 \$16,022 \$0 \$16,023 \$0 \$16,022 \$0 \$16,023 \$0 \$16,022 \$0 \$16,023 \$0												
C. Total   \$0 \$238,621   \$3 \$212,181 \$18,712   \$0 \$0 \$0 \$16,022 \$0 \$485,539     C. Total   \$0 \$238,621   \$3 \$212,181 \$18,712   \$0 \$0 \$0 \$16,022 \$0 \$485,539     C. Total   \$0 \$87,233 \$125 \$95,752 \$5,369 \$25,735 \$45,790 \$1,049 \$0 \$261,053     C. Total   \$0 \$147,233 \$335 \$147,288 \$5,489 \$37,735 \$165,790 \$2,249 \$0 \$506,119     C. Total   \$0 \$147,233 \$335 \$147,288 \$5,489 \$37,735 \$165,790 \$2,249 \$0 \$506,119     C. Total   \$0 \$147,233 \$335 \$147,288 \$5,489 \$37,35 \$165,790 \$2,249 \$0 \$506,119     C. Total   \$0 \$147,233 \$335 \$147,288 \$5,489 \$37,35 \$165,790 \$2,249 \$0 \$506,119     C. Total   \$0 \$147,233 \$335 \$147,288 \$5,489 \$37,35 \$165,790 \$2,249 \$0 \$506,119     C. Total   \$0 \$147,233 \$335 \$147,288 \$5,489 \$37,35 \$165,790 \$2,249 \$0 \$506,119     C. Total   \$0 \$147,233 \$335 \$147,288 \$5,489 \$37,35 \$165,790 \$2,249 \$0 \$506,119     C. Total   \$0 \$147,233 \$167,288 \$147,288 \$168 \$17,488 \$18,712 \$18,71		B. Edinated		100,000		210,000	0,000		<u> </u>	10,000	<u> </u>	001,000
Section   Sect		C. Total	\$0	\$238,621	\$3	\$212,181	\$18,712	\$0	\$0	\$16,022	\$0	\$485,539
Section   Sect	30											
33       B. Estimated       0       60,000       210       51,536       120       12,000       120,000       1,200       0       245,066         34       S		Florida Custom Incentive Program (E)										
33       B. Estimated       0       60,000       210       51,536       120       12,000       120,000       1,200       0       245,066         34       S	32	A. Actual	\$0	\$87,233	\$125	\$95,752	\$5,369	\$25,735	\$45,790	\$1,049	\$0	\$261,053
35         C. Total         \$0         \$147,233         \$335         \$147,288         \$5,489         \$37,35         \$165,790         \$2,249         \$0         \$506,119           36         37         Interruptible Service (D)           38         A. Actual         \$7,906         \$130,752         \$323         \$68         \$714         \$0         \$17,573,696         \$1,252         \$0         \$17,714,712           39         B. Estimated         12,169         150,813         1,500         0         600         0         17,964,714         2,221         0         18,132,018           40	33	B. Estimated		60,000	210	51,536	120	12,000	120,000	1,200		245,066
36   Standard   Standa	34											<u>.</u>
37     Interruptible Service (D)       38     A. Actual     \$7,906     \$130,752     \$323     \$68     \$714     \$0     \$17,573,696     \$1,252     \$0     \$17,714,712       39     B. Estimated     12,169     150,813     1,500     0     600     0     17,964,714     2,221     0     18,132,018       40	35	C. Total	\$0	\$147,233	\$335	\$147,288	\$5,489	\$37,735	\$165,790	\$2,249	\$0	\$506,119
38     A. Actual     \$7,906     \$130,752     \$323     \$68     \$714     \$0     \$17,573,696     \$1,252     \$0     \$17,714,712       39     B. Estimated     12,169     150,813     1,500     0     600     0     17,964,714     2,221     0     18,132,018       40	36		-									
39 B. Estimated 12,169 150,813 1,500 0 600 0 17,964,714 2,221 0 18,132,018 40		Interruptible Service (D)										
40												
		B. Estimated	12,169	150,813	1,500	0	600	0	17,964,714	2,221	0	18,132,018
41 C. 10tal \$20,075 \$261,505 \$1,823 \$68 \$1,314 \$0 \$35,538,410 \$3,473 \$0 \$35,846,729		C Tatal	#00.07F	\$204 FCF	£4.000	<b>#</b> 00	<b>64.04.4</b>	<b>#</b> ^	POE 500 440	<b>CO 470</b>	<b>#</b> ^	POE 040 700
	41	C. Total	\$20,075	\$∠81,565	\$1,823	804	\$1,314	φ0	<b></b>	\$3,473	φ0	φ35,846,729

#### FPSC Docket No. 20180002-EG Duke Energy Florida, LLC Witness Lori J. Cross Exhibit No. (LJC-1P) Schedule C-3 Page 2 of 8

### Duke Energy Florida, LLC Energy Conservation Cost Recovery Program Costs January - June 2018 Actuals July - December 2018 Estimates

		Depreciation								Program	
Line	ŭ	Amortization	Payroll &		Outside	Materials				Revenues	
No.	Demand (D) or Energy (E)	& Return	Benefits	Vehicles	Services	& Supplies	Advertising	Incentives	Other	(Credits)	Total
1	Curtailable Service (D)										
2	A. Actual	\$0	\$20,359	\$0	\$0	\$0	\$0	\$1,025,731	\$187	\$0	\$1,046,277
3	B. Estimated	0	20,455	0	0	0	0	968,994	0	0	989,449
4	5. 25acc		20,100	-				000,001			555,115
5	C. Total	\$0	\$40,814	\$0	\$0	\$0	\$0	\$1,994,725	\$187	\$0	\$2,035,726
6											
7	Neighborhood Energy Saver (E)										
8	A. Actual	\$0	\$107,136	\$638	\$158,602	\$889	\$56,517	\$1,042,542	\$15,653	\$0	\$1,381,977
9	B. Estimated	0	107,400	250	174,000	0	18,000	1,526,000	7,500	0	1,833,150
10											
11	C. Total	\$0	\$214,536	\$888	\$332,602	\$889	\$74,517	\$2,568,542	\$23,153	\$0	\$3,215,127
12											
13	Energy Management (Residential & Commercial) (D)		<b>***</b>	000.05-	<b>*</b> * * * * * * * * * * * * * * * * * *		A 100 EF-	A40.474.0:-	001.05-	<b>^</b> -	004.40====
14	A. Actual	\$6,368,265	\$948,581	\$29,987	\$1,027,161	\$67,564	\$482,556	\$12,171,819	\$31,852	\$0	\$21,127,785
15	B. Estimated	6,863,521	929,989	40,791	600,000	5,276	487,278	12,362,522	30,119	0	21,319,495
16 17	C. Total	\$13,231,786	\$1,878,570	\$70,778	\$1,627,161	\$72,840	\$969,833	\$24,534,341	\$61,971	\$0	\$42,447,280
18	C. Total	ψ13,231,700	ψ1,070,370	ψιο,τιο	ψ1,027,101	ψ12,0 <del>1</del> 0	ψ303,033	Ψ24,004,041	ψ01,971	ΨΟ	ψτ2,ττ1,200
19	Low Income Weatherization Assistance Program (E)										
20	A. Actual	\$0	\$66,605	\$0	\$1,139	\$0	\$16,000	\$62,546	\$5,556	\$0	\$151,846
21	B. Estimated	0	66,600	0	1,140	0	18,000	74,000	5,500	0	165,240
22			,		, -			,	.,		
23	C. Total	\$0	\$133,205	\$0	\$2,279	\$0	\$34,000	\$136,546	\$11,056	\$0	\$317,086
24											
25	Standby Generation (D)										
26	A. Actual	\$7,248	\$163,823	\$2,686	\$1,891	\$12,456	\$0	\$1,909,711	\$1,098	\$0	\$2,098,912
27	B. Estimated	5,269	159,967	4,008	3,600	112,500	0	2,027,376	4,770	0	2,317,489
28	0.7.1		****				•			•	
29	C. Total	\$12,517	\$323,789	\$6,694	\$5,491	\$124,956	\$0	\$3,937,087	\$5,868	\$0	\$4,416,401
30	0 111 5 111 (5)										
31	Qualifying Facility (E)	ФО.	<b>#</b> FC0 000	£4.000	60	£40	<b>#</b> 0	<b>C</b> O	C45 474	r.o.	<b>PEDE 704</b>
32 33	A. Actual B. Estimated	\$0 0	\$569,092 594,000	\$1,088 2,760	\$0 30,000	\$48 155	\$0 0	\$0 0	\$15,474 14,100	\$0 0	\$585,701 641,015
34	b. Estimated		594,000	2,760	30,000	155	U	U	14,100	0	041,015
35	C. Total	\$0	\$1,163,092	\$3,848	\$30,000	\$203	\$0	\$0	\$29,574	\$0	\$1,226,716
36	5. Total	Ψ0	ψ1,100,00 <u>2</u>	φοιοιο	φου,σου	<b>\$200</b>	Ψ0		ψ <u>2</u> 0,01 :	Ψ0	<b>V</b> 1,220,110
37	Conservation Program Admin (E)										
38	A. Actual	\$0	\$1,260,688	\$792	\$388,823	\$48,386	\$0	\$0	\$199,551	\$0	\$1,898,240
39	B. Estimated	0	1,326,000	4,800	240,000	21,000	0	0	240,000	0	1,831,800
40				•	•					-	
41	C. Total	\$0	\$2,586,688	\$5,592	\$628,823	\$69,386	\$0	\$0	\$439,551	\$0	\$3,730,040
4.5		*** *** ***		<b>***</b>	*****	<b>***</b>	** ***	<b>A</b>	****	A-	****
42	ECCR Program Costs	\$13,283,521	\$13,794,314	\$287,298	\$4,340,416	\$436,800	\$1,860,062	\$76,169,900	\$810,982	\$0	\$110,983,292

#### Duke Energy Florida, LLC Energy Conservation Cost Recovery Schedule of Capital Investment, Depreciation & Return January - June 2018 Actuals July - December 2018 Estimates

Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Act Jan-18	Act Feb-18	Act Mar-18	Act Apr-18	Act May-18	Act Jun-18	Est Jul-18	Est Aug-18	Est Sep-18	Est Oct-18	Est Nov-18	Est Dec-18	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		82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	
5															
6	Depreciation Expense		982	982	982	982	982	982	982	982	982	982	982	982	11,784
7															
8 9	Cumulative Investment	82,462 37,330	82,462 38,312	82,462 39,294	82,462 40,276	82,462 41,258	82,462 42,240	82,462 43,222	82,462 44,204	82,462 45,186	82,462 46,168	82,462 47,150	82,462 48,132	82,462 49,114	82,462 49,114
10	Less: Accumulated Depreciation  Net Investment	45,132	44,150	43,168	42,186	41,204	40,222	39,240	38,258	37,276	36,294	35,312	34,330	33,348	33,348
11	Average Investment	45,132	44,641	43,659	42,100	41,204	40,713	39,731	38,749	37,276	36,785	35,803	34,821	33,839	33,340
12	Return on Average Investment		250	244	239	233	227	223	214	208	203	198	192	186	2,617
13	Return on Average investment		230	244	239	255	221	223	214	200	203	190	132	100	2,017
14	Return Requirements		309	302	296	288	281	276	265	258	252	245	238	230	3,240
15		-													
16	Program Total	_	\$1,291	\$1,284	\$1,278	\$1,270	\$1,263	\$1,258	\$1,247	\$1,240	\$1,234	\$1,227	\$1,220	\$1,212	\$15,024
		=													
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	69,415	0	0	0	0	0	0	0	0	69,415
20	Depreciation Base		69,415	69,415	69,415	34,707	0	0	0	0	0	0	0	0	
21															
22	Depreciation Expense		1,157	1,157	1,157	596	0	0	0	0	0	0	0	0	4,067
23						_	_				_		_		_
24	Cumulative Investment	69,415	69,415	69,415	69,415	0	0	0	0	0	0	0	0	0	0
25 26	Less: Accumulated Depreciation  Net Investment	65,348 4,067	66,505 2,910	67,662 1,753	68,819 596	0.00	0	0	0	0	0	0	0	0	0
27	Average Investment	4,067	3,488	2,331	1,174	298	0	0	0	0	0	0	0	0	U
28	Return on Average Investment		20	13	7	2	0	0	0	0	0	0	0	0	42
29					•	_	-	-	-	-	-	-	-	-	
30	Return Requirements		25	16	9	2	0	0	0	0	0	0	0	0	52
31	•	_													
32	Program Total	=	\$1,182	\$1,173	\$1,166	\$598	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,119
33	Standby Generation (D)														
34	Investments		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,000	\$20,000
35	Retirements		0	0	43,836	0	0	0	0	0	0	0	0	0	43,836
36	Depreciation Base		91,374	91,374	69,456	47,538	47,538	47,538	47,538	47,538	47,538	47,538	47,538	47,538	
37	Barrainting France		1,523	1,523	4.450	792	700	792	700	792	792	792	792	792	11,332
38 39	Depreciation Expense		1,523	1,523	1,158	792	792	792	792	792	792	792	792	792	11,332
39 40	Cumulative Investment	91,374	91.374	91.374	47.538	47,538	47,538	47,538	47,538	47,538	47,538	47,538	47,538	67,538	67,538
41	Less: Accumulated Depreciation	71,512	73,035	74,558	31,880	32,672	33,464	34,256	35,048	35,840	36,632	37,424	38,216	39,008	39,008
42	Net Investment	19,862	18,339	16,816	15,658	14,866	14,074	13,282	12,490	11,698	10,906	10,114	9,322	28,530	28,530
43	Average Investment	.0,002	19,101	17,578	16,237	15,262	14,470	13,678	12,886	12,094	11,302	10,510	9,718	18,926	20,000
44	Return on Average Investment		107	99	91	86	81	77	71	67	63	58	54	104	958
45				30	٠.	30	٥.	• •		3.	30	30	٥.	***	- 50
46	Return Requirements	_	132	122	113	106	100	95	88	83	78	72	67	129	1,185
47 48	Program Total		\$1,655	\$1,645	\$1,271	\$898	\$892	\$887	\$880	\$875	\$870	\$864	\$859	\$921	\$12,517
70	. rogram rotal	=	ψ1,000	ψ1,043	Ψι,ΖιΙ	ψ030	ψυσΖ	ψοσι	ψοσο	ψυτυ	ψ070	Ψ004	ΨΟΟΘ	Ψ32.1	Ψ12,517

- Jan Jun return on average investment is calculated using an annual rate of 6.71% based on May 2017 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 120007-EI.

   Jul Dec return on average investment is calculated using an annual rate of 6.62% based on May 2018 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 120007-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 - June 2018 Actuals July - December 2018 Estimates

Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Act Jan-18	Act Feb-18	Act Mar-18	Act Apr-18	Act May-18	Act Jun-18	Est Jul-18	Est Aug-18	Est Sep-18	Est Oct-18	Est Nov-18	Est Dec-18	Total
	Intermedials Comics (D)														
1 2	Interruptible Service (D) Investments		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$62,000	\$0	\$0	\$0	\$62,000
3	Retirements		0	0	165	0	0	0	0	0	0	0	0	0	165
4	Depreciation Base		63,838	63,838	63,756	63,673	63,673	63,673	63,673	63,673	63,673	125,673	125,673	125,673	
5															
6	Depreciation Expense		1,064	1,064	1,063	1,061	1,061	1,061	1,061	1,061	1,061	2,095	2,095	2,095	15,842
7 8	Cumulative Investment	63,838	63,838	63,838	63,673	63,673	63,673	63,673	63,673	63,673	125,673	125,673	125,673	125,673	125,673
9	Less: Accumulated Depreciation	23,758	24.822	25.886	26.784	27.845	28.906	29.967	31.028	32.089	33,150	35.245	37.340	39,435	39.435
10	Net Investment	40,080	39,016	37,952	36,889	35,828	34,767	33,706	32,645	31,584	92,523	90,428	88,333	86,238	86,238
11	Average Investment		39,548	38,484	37,421	36,359	35,298	34,237	33,176	32,115	62,054	91,476	89,381	87,286	
12	Return on Average Investment		221	216	209	203	197	192	183	177	342	505	493	481	3,419
13 14	Return Requirements		274	267	259	251	244	237	227	219	423	626	610	596	4,233
15	Return Requirements	-	214	207	259	251	244	231	221	219	423	020	610	390	4,233
16	Program Total		\$1,338	\$1,331	\$1,322	\$1,312	\$1,305	\$1,298	\$1,288	\$1,280	\$1,484	\$2,721	\$2,705	\$2,691	\$20,075
	-	=													
17	Residential Energy Management - Summary	(Itemized below) (D)													
18	Expenditures Booked Directly to Plant		\$791,351	\$611,611	\$903,634	\$983,421	\$611,854	\$1,067,446	\$916,175	\$916,175	\$916,175	\$916,175	\$916,175	\$916,175	\$10,466,367
19	Retirements		45,307	27,438	62,516	22,550	28,922	23,246	12,183	17,719	39,975	31,979	20,040	14,694	346,569
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		52,731,253	53,486,232	54,052,865	54,913,966	55,871,651	56,457,421	57,507,152	58,408,376	59,295,704	60,175,902	61,066,068	61,964,876	
23 24	Depreciation Expense		825,101	837,684	849,031	861,480	877,442	887,205	904,700	919,721	934,510	949,180	964,017	978,997	10,789,068
25	Depreciation Expense		023,101	007,004	043,031	001,400	011,442	001,200	304,700	313,721	334,510	343,100	304,017	310,331	10,703,000
26	Cumulative Plant Investment	52,753,907	53,499,951	54,084,124	54,925,242	55,886,112	56,469,044	57,513,244	58,417,236	59,315,692	60,191,892	61,076,088	61,972,223	62,873,704	62,873,704
27	Less: Accumulated Depreciation	22,970,184	23,749,978	24,560,224	25,346,739	26,185,668	27,034,188	27,898,148	28,790,664	29,692,667	30,587,201	31,504,402	32,448,380	33,412,683	33,412,683
28	Cumulative CWIP Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 30	Net Plant Investment	29,783,723	29,749,972 29,766,848	29,523,900 29,636,936	29,578,503 29,551,201	29,700,443 29,639,473	29,434,856 29,567,650	29,615,096 29,524,976	29,626,571 29,620,834	29,623,025 29.624,798	29,604,690 29,613,858	29,571,685 29,588,188	29,523,843 29,547,764	29,461,021 29,492,432	29,461,021
30	Average Investment Return on Average Investment		166,556	165,828	165,346	165,842	165,439	165,202	163,365	163,387	163,327	163,183	162,961	162,656	1,973,092
32	Notalli on Average investment		100,330	100,020	100,040	100,042	100,400	100,202	100,000	100,007	100,027	100,100	102,301	102,000	1,373,032
33	Return Requirements		206,111	205,209	204,611	205,226	204,729	204,436	202,337	202,363	202,289	202,112	201,836	201,459	2,442,718
34		-													
35	Program Total	-	\$1,031,212	\$1,042,893	\$1,053,642	\$1,066,706	\$1,082,171	\$1,091,641	\$1,107,037	\$1,122,084	\$1,136,799	\$1,151,292	\$1,165,853	\$1,180,456	\$13,231,786
36	Residential Energy Management - SmartGrid	Hardware for ODS, LMS,													
37	Expenditures Booked Directly to Plant		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
38 39	Retirements 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	Ü
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	5,936,434	6,059,123	6,181,812	6,304,501	6,427,190	6,549,879	6,672,568	6,795,257	6,917,946	7,040,635	7,163,324	7,286,013	7,408,702	7,408,702
47	Cumulative CWIP Investment	0	0	0	0	0	0	0 044 000	0 700 404	0 000 445	0 540 750	0 404 007	0 004 070	0	0
48 49	Net Plant Investment Average Investment	4,650,957	4,528,268 4,589,613	4,405,579 4,466,924	4,282,890 4,344,235	4,160,201 4,221,546	4,037,512 4,098,857	3,914,823 3,976,168	3,792,134 3,853,479	3,669,445 3,730,790	3,546,756 3,608,101	3,424,067 3,485,412	3,301,378 3,362,723	3,178,689 3,240,034	3,178,689
50	Return on Average Investment		25,681	24,994	24,307	23,621	22,934	22,248	21,253	20,576	19,900	19,222	18,546	17,869	261,151
51			20,001	2.,004	21,007	20,021	22,004	22,240	2.,230	20,070	.0,000	.0,222	.0,010	,000	20.,.01
52	Return Requirements	_	31,780	30,930	30,079	29,230	28,381	27,532	26,323	25,484	24,647	23,808	22,970	22,132	323,296
53		-	0454467	0450.07	A450 75-	0454.0:-	0454.05-	0450.05	0440.07	044045	04.47.05	011015	0445.05-		A1 705 5
54	Program Total	=	\$154,469	\$153,619	\$152,768	\$151,919	\$151,070	\$150,221	\$149,012	\$148,173	\$147,336	\$146,497	\$145,659	\$144,821	\$1,795,564

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   Jan Jun return on average investment is calculated using an annual rate of 6.71% based on May 2017 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 120007-EI.

   Jul Dec return on average investment is calculated using an annual rate of 6.62% based on May 2018 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 120007-EI.

   Return Requirements are calculated using a combined statutory tax rate of 25.345%.

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#### Duke Energy Florida, LLC Energy Conservation Cost Recovery Schedule of Capital Investment, Depreciation & Return January - June 2018 Actuals July - December 2018 Estimates

Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Act Jan-18	Act Feb-18	Act Mar-18	Act Apr-18	Act May-18	Act Jun-18	Est Jul-18	Est Aug-18	Est Sep-18	Est Oct-18	Est Nov-18	Est Dec-18	Total
1	Residential Energy Management - SmartGrid	Software for ODS, LMS, AF	PPDEV (D)												
2	Expenditures Booked Directly to Plant		\$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	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 7	Depreciation Base		17,899,036	17,899,036	17,899,036	17,899,036	17,899,036	17,899,036	17,899,036	17,899,036	17,899,036	17,899,036	17,899,036	17,899,036	
8 9	Depreciation Expense		298,323	298,323	298,323	298,323	298,323	298,323	298,323	298,323	298,323	298,323	298,323	298,323	3,579,876
10	Cumulative Plant Investment	17,899,036	17,899,036	17,899,036	17,899,036	17,899,036	17,899,036	17,899,036	17,899,036	17,899,036	17,899,036	17,899,036	17,899,036	17,899,036	17,899,036
11	Less: Accumulated Depreciation	9,738,455	10,036,778	10,335,101	10,633,424	10,931,747	11,230,070	11,528,393	11,826,716	12,125,039	12,423,362	12,721,685	13,020,008	13,318,331	13,318,331
12	Cumulative CWIP Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Net Plant Investment	8,160,581	7,862,258	7,563,935	7,265,612	6,967,289	6,668,966	6,370,643	6,072,320	5,773,997	5,475,674	5,177,351	4,879,028	4,580,705	4,580,705
14	Average Investment		8,011,420	7,713,097	7,414,774	7,116,451	6,818,128	6,519,805	6,221,482	5,923,159	5,624,836	5,326,513	5,028,190	4,729,867	
15	Return on Average Investment		44,827	43,157	41,487	39,819	38,149	36,481	34,313	32,668	31,022	29,376	27,731	26,086	425,116
16 17	Return Requirements		55,473	53,406	51,339	49,275	47,209	45,145	42,499	40,461	38,422	36,384	34,346	32,309	526,268
18 19	Program Total		\$353,796	\$351,729	\$349,662	\$347,598	\$345,532	\$343,468	\$340,822	\$338,784	\$336,745	\$334,707	\$332,669	\$330,632	\$4,106,144
15	riogram rotar	=	ψ000,130	ψ001,720	ψ043,002	ψ347,030	ψ040,00 <u>2</u>	4040,400	ψ040,022	4000,704	ψ330,7 <del>1</del> 3	ψ504,707	ψ332,003	ψ000,002	ψ+,100,144
20	Residential Energy Management - SmartGrid	AMI Meters (D)					nent Agreemen		•	•	•	•	•	•	••
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	0	0	0	0	0	0	0	0	0
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		0	0	0	0	0	0	0	0	0	0	0	0	
26 27	Depreciation Expense		0	0	0	0	0	0	0	0	0	0	0	0	0
28															
29	Cumulative Plant Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Less: Accumulated Depreciation	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Average Investment	· ·	0	0	0	0	0	0	0	0	0	0	0	0	ŭ
34	Return on Average Investment		0	0	0	0	0	0	0	0	0	0	0	0	0
35				_	_		_	_	_	_			_	_	
36	Return Requirements		0	0	0	0	0	0	0	0	0	0	0	0	0
37 38	Program Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	·	_				•									
39	Residential Energy Management - Non-Smart	tGrid Residential Projects (		60	60		<b>#</b> 0	60	60	<b>f</b> 0	60	60	60	<b>6</b> 0	***
40	Expenditures Booked Directly to Plant		\$0	\$0	\$0	\$0 0	\$0 0	\$0 0	\$0	\$0 0	\$0 0	\$0 0	\$0 0	\$0 0	\$0
41	Retirements		0	0	33,526	-			0	-			-		33,526
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		33,526	33,526	16,763	0	0	0	0	0	0	0	0	0	
45															
46 47	Depreciation Expense		559	559	2,183	0	0	0	0	0	0	0	0	0	3,301
48	Cumulative Plant Investment	33,526	33,526	33,526	0	0	0	0	0	0	0	0	0	0	0
49	Less: Accumulated Depreciation	30,225	30,784	31,343	0	0	0	0	0	0	0	0	0	0	0
50	Cumulative CWIP Investment	0	0	01,545	0	0	0	0	0	0	0	0	0	0	0
51	Net Plant Investment	3,301	2,742	2,183	0	0	0	0	0	0	0	0	0	0	0
52	Average Investment	5,301	3.022	2,163	1.092	0	0	0	0	0	0	0	0	0	U
52			3,022	2,463	1,092	0	0	0	0	0	0	0	0	0	37
54	Return on Average Investment													-	
55 56	Return Requirements	_	21	17	7	0	0	0	0	0	0	0	0	0	45
57	Program Total		\$580	\$576	\$2,190	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,346

#### Note

- Jan Jun return on average investment is calculated using an annual rate of 6.71% based on May 2017 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 120007-EI.
- Jul Dec return on average investment is calculated using an annual rate of 6.62% based on May 2018 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 120007-EI.
- Return Requirements are calculated using a combined statutory tax rate of 25.345%.

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#### Duke Energy Florida, LLC Energy Conservation Cost Recovery Schedule of Capital Investment, Depreciation & Return January - June 2018 Actuals July - December 2018 Estimates

Line	Program	Beginning	Act	Act	Act	Act	Act	Act	Est	Est	Est	Est	Est	Est	
No.	Demand (D) or Energy (E)	Balance	Jan 18	Feb 18	Mar 18	Apr 18	May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Total
1	Residential Energy Management - Load Man	agement Switches (D)													
2	Expenditures Booked Directly to Plant		\$791,351	\$611,611	\$903,634	\$983,421	\$611,854	\$1,067,446	\$916,175	\$916,175	\$916,175	\$916,175	\$916,175	\$916,175	\$10,466,367
3	Retirements		45,307	27,438	28,990	22,550	28,922	23,246	12,183	17,719	39,975	31,979	20,040	14,694	313,043
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	_	24,211,300	24,966,279	25,549,675	26,427,539	27,385,224	27,970,994	29,020,725	29,921,949	30,809,277	31,689,475	32,579,641	33,478,449	
7															
8	Amortization Expense		403,530	416,113	425,836	440,468	456,430	466,193	483,688	498,709	513,498	528,168	543,005	557,985	5,733,623
9															
10	Cumulative Plant Investment	24,233,953	24,979,998	25,564,171	26,438,814	27,399,685	27,982,617	29,026,817	29,930,808	30,829,265	31,705,464	32,589,661	33,485,796	34,387,277	34,387,277
11	Less: Accumulated Depreciation	7,265,070	7,623,293	8,011,968	8,408,814	8,826,731	9,254,239	9,697,187	10,168,691	10,649,682	11,123,204	11,619,393	12,142,359	12,685,650	12,685,650
12	Cumulative CWIP Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Net Plant Investment	16,968,883	17,356,704	17,552,202	18,030,000	18,572,953	18,728,378	19,329,630	19,762,117	20,179,583	20,582,260	20,970,267	21,343,437	21,701,627	21,701,627
14	Average Investment		17,162,794	17,454,453	17,791,101	18,301,477	18,650,665	19,029,004	19,545,874	19,970,850	20,380,922	20,776,264	21,156,852	21,522,532	
15	Return on Average Investment	_	96,031	97,663	99,546	102,402	104,356	106,473	107,799	110,143	112,405	114,585	116,684	118,701	1,286,788
16															
17	Return Requirements	_	118,837	120,856	123,186	126,721	129,139	131,759	133,515	136,418	139,220	141,920	144,520	147,018	1,593,109
18															
19	Program Total	_	\$522,367	\$536,969	\$549,022	\$567,189	\$585,569	\$597,952	\$617,203	\$635,127	\$652,718	\$670,088	\$687,525	\$705,003	\$7,326,732
		-													
20	Summary of Demand & Energy														
21	Energy		\$2,473	\$2,457	\$2,444	\$1,868	\$1,263	\$1,258	\$1,247	\$1,240	\$1,234	\$1,227	\$1,220	\$1,212	\$19,143
22	Demand	-	1,034,205	1,045,869	1,056,235	1,068,916	1,084,368	1,093,826	1,109,205	1,124,239	1,139,153	1,154,877	1,169,417	1,184,068	13,264,378
23	Total Return & Depreciation	_	\$1,036,678	\$1,048,326	\$1,058,679	\$1,070,784	\$1,085,631	\$1,095,084	\$1,110,452	\$1,125,479	\$1,140,387	\$1,156,104	\$1,170,637	\$1,185,280	\$13,283,521

- Jan Jun return on average investment is calculated using an annual rate of 6.71% based on May 2017 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 120007-EI.

   Jul Dec return on average investment is calculated using an annual rate of 6.62% based on May 2018 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 120007-EI.
- Return Requirements are calculated using a combined statutory tax rate of 25.345%.

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### Duke Energy Florida, LLC Energy Conservation Cost Recovery Calculation of Interest Provision January 2018 - December 2018

Line No.		Act Jan-18	Act Feb-18	Act Mar-18	Act Apr-18	Act May-18	Act Jun-18	Est Jul-18	Est Aug-18	Est Sep-18	Est Oct-18	Est Nov-18	Est Dec-18	Total
1	Beginning True-Up Amount (C3, Page 8, Lines 7 & 8)	(\$5,894,546)	(\$5,215,291)	(\$4,434,323)	(\$3,376,991)	(\$2,875,705)	(\$2,620,334)	(\$2,817,302)	(\$4,667,247)	(\$7,002,365)	(\$9,070,072)	(\$10,011,448)	(\$9,320,702)	
2	Ending True-Up Amount Before Interest (C3, Page 8, Lines 5,7-10)	(5,208,259)	(4,428,135)	(3,371,332)	(2,870,876)	(2,616,089)	(2,812,955)	(4,661,077)	(6,992,746)	(9,056,823)	(9,995,719)	(9,304,766)	(8,300,242)	
3	Total Beginning & Ending True-Up (Line 1 + Line 2)	(11,102,805)	(9,643,426)	(7,805,654)	(6,247,867)	(5,491,794)	(5,433,290)	(7,478,379)	(11,659,993)	(16,059,188)	(19,065,791)	(19,316,214)	(17,620,944)	
4	Average True-Up Amount (50% of Line 3)	(5,551,403)	(4,821,713)	(3,902,827)	(3,123,933)	(2,745,897)	(2,716,645)	(3,739,190)	(5,829,996)	(8,029,594)	(9,532,896)	(9,658,107)	(8,810,472)	
5	Interest Rate: First Day Reporting Business Month	1.58%	1.46%	1.62%	1 86%	1 85%	1 86%	1 98%	1.98%	1.98%	1.98%	1.98%	1.98%	
6	Interest Rate: First Day Subsequent Business Month	1.46%	1.62%	1.86%	1.85%	1 86%	1 98%	1 98%	1.98%	1.98%	1.98%	1.98%	1.98%	
7	Total (Line 5 & Line 6) (Line 5 + Line 6)	3.04%	3.08%	3.48%	3.71%	3.71%	3 84%	3 96%	3.96%	3.96%	3.96%	3.96%	3.96%	
8	Average Interest Rate (50% of Line 7)	1.520%	1 540%	1.740%	1 855%	1 855%	1.920%	1.980%	1.980%	1.980%	1.980%	1 980%	1 980%	
9	Interest Provision (Line 4 * Line 8) / 12	(\$7,032)	(\$6,188)	(\$5,659)	(\$4,829)	(\$4,245)	(\$4,347)	(\$6,170)	(\$9,619)	(\$13,249)	(\$15,729)	(\$15,936)	(\$14,537)	(\$107,540)

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#### Duke Energy Florida, LLC Energy Conservation Cost Recovery Energy Conservation Adjustment Calculation of True-Up January 2018 - December 2018

Line	Act	Act	Act	Act	Act	Act	Est	Est	Est	Est	Est	Est	
No.	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Total
1 ECCR Revenues	\$8,332,326	\$8,855,241	\$8,443,318	\$8,027,967	\$8,322,867	\$9,924,426	\$11,134,104	\$11,630,855	\$11,374,722	\$10,261,628	\$8,643,832	\$8,344,698	\$113,295,985
2 Prior Period True-Up Over/(Under) Recovery	491,212	491,212	491,212	491,212	491,212	491,212	491,212	491,212	491,212	491,212	491,212	491,212	5,894,544
3 ECCR Revenues Applicable to Period	8,823,538	9,346,453	8,934,530	8,519,179	8,814,079	10,415,638	11,625,316	12,122,067	11,865,934	10,752,840	9,135,044	8,835,910	119,190,529
4 ECCR Expenses	9,018,614	9,642,397	9,506,310	8,534,082	8,582,483	9,731,805	9,290,329	9,305,356	9,320,264	9,335,981	9,350,514	9,365,157	110,983,292
5 True-Up This Period (Over)/Under Recovery	195,076	295,944	571,779	14,903	(231,596)	(683,833)	(2,334,987)	(2,816,711)	(2,545,670)	(1,416,859)	215,470	529,248	(8,207,237)
6 Current Period Interest	(7,032)	(6,188)	(5,659)	(4,829)	(4,245)	(4,347)	(6,170)	(9,619)	(13,249)	(15,729)	(15,936)	(14,537)	(107,540)
7 Audit Adjustments	0	0	0	0	0	0	0	0	0	0	0	0	0
8 True-Up & Interest Provision Beginning of Period	(5,894,546)	(5,215,291)	(4,434,323)	(3,376,991)	(2,875,705)	(2,620,334)	(2,817,302)	(4,667,247)	(7,002,365)	(9,070,072)	(10,011,448)	(9,320,702)	(5,894,546)
9 GRT Refunded	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Prior Period True-Up Over/(Under) Recovery	491,212	491,212	491,212	491,212	491,212	491,212	491,212	491,212	491,212	491,212	491,212	491,212	5,894,544
11 End of Period Net True-Up	(\$5,215,291)	(\$4,434,323)	(\$3,376,991)	(\$2,875,705)	(\$2,620,334)	(\$2,817,302)	(\$4,667,247)	(\$7,002,365)	(\$9,070,072)	(\$10,011,448)	(\$9,320,702)	(\$8,314,779)	(\$8,314,779)

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Duke Energy Florida, LLC

Witness: Lori J. Cross

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## Duke Energy Florida, LLC Energy Conservation Cost Recovery Calculation of ECCR Revenues January 2019 - December 2019

Line No.	Month	Jurisdictional mWh Sales	ECCR Revenue Net of Revenue Taxes
1	January	2,910,658	\$7,829,801
2	February	2,865,578	7,669,191
3	March	2,726,453	7,249,529
4	April	2,827,964	7,443,420
5	May	3,072,144	8,052,573
6	June	3,633,132	9,647,403
7	July	3,867,657	10,319,234
8	August	3,885,511	10,364,074
9	September	3,970,304	10,592,430
10	October	3,614,731	9,590,583
11	November	3,056,719	8,055,702
12	December	2,865,582	7,644,713
13	Total	39,296,432	\$104,458,654

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

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Class of Capital	Retail Amount	Ratio	Cost Rate	Weighted Cost Rate	PreTax Weighted Cost Rate
CE	\$4,711,485,475	44.73%	10.50%	4.70%	6.29%
LTD	3,931,532,102	37.33%	5.29%	1.97%	1.97%
STD	102,874,989	0.98%	0.21%	0.00%	0.00%
CD-Active	191,024,808	1.81%	2.26%	0.04%	0.04%
CD-Inactive	1,455,315	0.01%	0.00%	0.00%	0.00%
Deferred Tax	1,772,932,910	16.83%	0.00%	0.00%	0.00%
FAS 109	(180,390,549)	-1.71%	0.00%	0.00%	0.00%
ITC	1,967,889	0.02%	0.00%	0.00%	0.00%
Total	\$10,532,882,939	100%		6.71%	8.31%
			Total Debt	2.018%	2.018%
			Total Equity	4.697%	6.291%

May 2017 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 January 2018 - June 2018

	Retail			Weighted	PreTax Weighted
Class of Capital	Amount	Ratio	Cost Rate	Cost Rate	Cost Rate
CE	\$5,022,459,234	44.29%	10.50%	4.65%	6.23%
LTD	4,497,051,945	39.66%	4.90%	1.94%	1.94%
STD	(193,058,184)	-1.70%	0.88%	-0.01%	-0.01%
CD-Active	179,648,841	1.58%	2.35%	0.04%	0.04%
CD-Inactive	1,597,098	0.01%	0.00%	0.00%	0.00%
Deferred Tax	1,826,908,909	16.11%	0.00%	0.00%	0.00%
ITC	5,239,408	0.05%	7.85%	0.00%	0.00%
Total	\$11,339,847,250	100.00%		6.62%	8.20%
	-				
			Total Debt	1.968%	1.968%
			Total Equity	4.651%	6.229%

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. Used to Calculate July 2018 - December 2018

Class of Capital	Retail Amount	Ratio	Cost Rate	Weighted Cost Rate	PreTax Weighted Cost Rate
CE	\$ 4,374,787,363	40.92%	10.50%	4.30%	5.75%
LTD	4,497,051,945	42.06%	4.90%	2.06%	2.06%
STD	(193,058,184)	-1.81%	0.94%	-0.02%	-0.02%
CD-Active	179,648,841	1.68%	2.35%	0.04%	0.04%
CD-Inactive	1,597,098	0.01%	0.00%	0.00%	0.00%
Deferred Tax	1,826,908,909	17.09%	0.00%	0.00%	0.00%
ITC	5,239,408	0.05%	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%

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# **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 2019 - December 2019:** It is estimated that 33,500 customers will participate in this program during the projection period.

**Program Fiscal Costs - January 2019 - December 2019:** Costs for this program are projected to be \$5,462,447.

**Program Progress Summary:** As of year-to-date, June 30, 2018, 18,902 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.

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# **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 2019 - December 2019:** It is estimated that 22,017 completions will be performed in this program during the projection period.

**Program Fiscal Costs - January 2019 - December 2019:** Costs for this program are projected to be \$7,388,880.

**Program Progress Summary:** As of year-to-date, June 30, 2018, 13,091 measure installations have taken place in the current year as a result of this program.

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# **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 2019 - December 2019:** 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 2019 - December 2019:** Costs for this program are projected to be \$2,994,366.

**Program Progress Summary:** As of year-to-date, June 30, 2018, there have been 26,250 measures installed on 2446 homes and a monthly average of 16,776 Home Energy Reports have been provided to customers.

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# **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 2019 - December 2019**: It is estimated that 1,017 weatherization measures will be installed on 339 residential homes.

**Program Fiscal Costs - January 2019 - December 2019:** Costs for this program are projected to be \$354,813.

**Program Progress Summary**: As of year-to-date, June 30, 2018, there have been 383 measures installed on 133 homes through this program.

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# **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 693 MW's of winter and 384 MW's of summer load reduction. Approximately 433,000 customers currently participate in the program requiring over 559,000 control switches.

**Program Projections - January 2019 - December 2019:** During this period DEF anticipates adding 5,951 new participants to the current portfolio of approximately 433,000 participants.

**Program Fiscal Costs - January 2019 - December 2019:** Program costs during this period are projected to be \$44,104,674.

**Program Progress Summary:** Through year-to-date, June 30, 2018, a total of 3,123 new participant installations have been completed.

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# **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 2019 - December 2019:** It is estimated that 640 customers will participate in this program during the projection period.

**Program Fiscal Costs - January 2019 - December 2019:** Costs for this program are projected to be \$858,893.

**Program Progress Summary:** As of year-to-date, June 30, 2018, 286 customers have participated in this program..

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# **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 2019 - December 2019:** It is estimated that 485 measure installations will take place as a result of this program during the projection period.

**Program Fiscal Costs - January 2019 - December 2019:** Costs for this program are projected to be \$3,242,712.

**Program Progress Summary:** As of year-to-date, June 30, 2018, 276 measure installations have taken place as a result of this program.

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# **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 2019 - December 2019:** It is estimated that 28 customers will participate in the program during the projection period.

**Program Fiscal Costs - January 2019 - December 2019:** Costs for this program are projected to be \$645,319.

**Program Progress Summary:** As of year-to-date June 30, 2018, 6 customers have participated in this program and there are a number of other applications that are currently being evaluated.

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# **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 2019 - December 2019:** It is estimated that 12 new installations will be completed during the projection period.

**Program Fiscal Costs - January 2019 - December 2019:** Expenses for this program are projected to be \$4,469,693.

**Program Progress Summary:** There are currently a total of 176 accounts participating in this program.

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# **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 2019 - December 2019:** 3 new accounts are estimated to sign up for this program during the projection period.

**Program Fiscal Costs - January 2019 - December 2019:** Costs for this program are projected to be \$35,299,564.

**Program Progress Summary:** There are a total of 167 accounts participating in this program.

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# **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 2019 - December 2019:** 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 2019 - December 2019:** Costs for this program are projected to be \$2,195,256 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, 2018, there are 4 customers participating in this program.

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## **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 2019 - December 2019:** DEF has partnered with various research organizations including, the University of South Florida (USF), 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 2019:

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

**Program Fiscal Costs - January 2019 - December 2019:** 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. DEF will continue to test smart breaker applications including smart breakers that have electric vehicle charging capabilities in 2019. 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

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## **Program Description and Progress**

public charging, vehicle charging programs and Electric Vehicle Supply Equipment (EVSE) control technology.

- 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.
- 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.).
- 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.

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# **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 2019 - December 2019: DEF will continue to engage with interested parties wanting to provide cogeneration or renewable resources to DEF. Discussions around potential projects, grid access and QF avoided cost with renewables, energy storage, and combined heat and power developers continue to increase. These parties are exploring distributed generation options as the technologies advance, the markets and incentives change, 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 escalate. In addition, more in depth research and analytics will be required to support 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.

**Program Fiscal Costs - January 2019 - December 2019:** Costs for this program are projected to be \$1,211,168.

**Program Progress Summary:** DEF has approximately 828 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 117 MW. Approximately 67 MW of renewables are delivering energy to the Company under DEF's COG-1, as-available contract and 310 MW of Qualified renewables are under development. Finally, DEF currently has over 5,700 MW of distributed energy resources and renewables in its State Pre-Application, State Application, and FERC jurisdictional generation interconnection queues that represent an intention to interconnect inside DEF's Balancing Authority.