



Matthew R. Bernier
SENIOR COUNSEL
Duke Energy Florida, LLC

August 21, 2015

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

RE: Energy Conservation Cost Recovery; Docket No. 150002-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 2016; and
- 2015 Actual/Estimated True-Up & 2016 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. 150002-EG

Dated: August 21, 2015

**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 2016**

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 2016 through December 2016. In support thereof, the Company says:

1. DEF projects total conservation program costs of \$111,431,217 for the period January 2016 through December 2016.

2. The net true up is an over-recovery of \$3,318,602 which includes the final conservation over-recovery of \$24,443,630 for the period January 2014 through December 2014 that was reported in DEF’s schedule CT-1 filed May 5, 2015, and the actual/estimated true-up under-recovery for January 2015 through December 2015 of \$21,125,028.

3. The total recoverable conservation costs including prior period over or under recoveries to be recovered during the January 2016 through December 2016 billing period are \$108,145,590.

4. Based upon the required true-up and projected expenditures, DEF has calculated the required conservation cost recovery factors for the period January through December 2016 as follows:

2016 ECCR Billing Factors

	Secondary	Primary	Transmission
<u>Retail Rate Schedule</u>	<u>Voltage</u>	<u>Voltage</u>	<u>Voltage</u>
Residential (Cents/kWh)	.325	N/A	N/A
General-Service-Non-Demand (Cents/kWh)	.268	.265	.263
General Service 100% Load Factor (Cents/kWh)	.210	N/A	N/A
General Service Demand (\$/kW)	.98	.97	.96
Curtaillable (\$/kW)	.67	.66	.66
Interruptible (\$/kW)	.84	.83	.82
Standby Monthly (\$/kW)	.096	.095	.094
Standby Daily (\$/kW)	.046	.046	.045
Lighting (Cents/kWh)	.108	N/A	N/A

WHEREFORE, Duke Energy Florida, 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 2016 through December 2016 billing period.

RESPECTFULLY SUBMITTED this 21st day of August, 2015.

By: /s/ Matthew R. Bernier

/s/ Matthew R. Bernier

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CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of DEF's petition and testimony in Docket No. 150002-EG has been electronically filed with the Clerk and the parties on this 21st day of August, 2015.

/s/ Matthew R. Bernier

Matthew R. Bernier

<p>Theresa Tan Office of General Counsel Florida Public Service Commission 2540 Shumard Oak Blvd. Tallahassee, FL 32399-0850 Ltan@psc.state.fl.us</p> <p>James D. Beasley / J. Jeffrey Wahlen Ashley M. Daniels Ausley & McMullen P.O. Box 391 Tallahassee, FL 32302 jbeasley@ausley.com jwahlen@ausley.com adaniels@ausley.com</p> <p>Jeffrey A. Stone / Russell A. Badders Steven R. Griffin Beggs & Lane Law Firm P.O. Box 12950 Pensacola, FL 32591 jas@beggslane.com rab@beggslane.com srg@beggslane.com</p> <p>Jon C. Moyle, Jr. Moyle Law Firm 118 North Gadsden Street Tallahassee, FL 32301 jmoyle@moylelaw.com</p> <p>John Butler / Maria J. Moncada Florida Power & Light Company 700 Universe Blvd. Juno Beach, FL 33408-0420 Maria.moncada@fpl.com John.butler@fpl.com</p> <p>Charles J. Rehwinkel / Patricia A. Christensen Office of Public Counsel c/o The Florida Legislature 111 West Madison Street, Room 812 Tallahassee, FL 32399 rehwinkel.charles@leg.state.fl.us Christensen.patty@leg.state.fl.us</p>	<p>Mr. Robert L. McGee Jr. Gulf Power Company One Energy Place Pensacola, FL 32520-0780 rlmcgee@southernco.com</p> <p>Beth Keating Gunster Law Firm 215 S. Monroe St., Suite 601 Tallahassee, FL 32301 bkeating@gunster.com</p> <p>Mike Cassel Aleida Socarras Florida Public Utilities Company/Florida Division of Chesapeake Utilities Corporation 1750 SW 14th Street, Suite 200 Fernandina Beach, FL 32034 mcassel@fpuc.com asocarras@chpk.com</p> <p>Robert Scheffel Wright / John T. LaVia, III Gardner Law Firm 1300 Thomaswood Drive Tallahassee, FL 32308 schef@gbwlegal.com jlavia@gbwlegal.com</p> <p>Ms. Paula K. Brown Tampa Electric Company P.O. Box 111 Tampa, FL 33601 regdept@tecoenergy.com</p> <p>Kenneth Hoffman Florida Power & Light Company 215 S. Monroe Street, Suite 810 Tallahassee, FL 32301-1858 Ken.Hoffman@fpl.com</p> <p>James W. Brew / Owen J. Kopon / Laura A. Wynn Stone Matheis Xenopoulos & Brew, PC 1025 Thomas Jefferson Street NW 8th Floor, West Tower Washington, DC 20007 jbrew@smxblaw.com ojk@smxblaw.com laura.wynn@smxblaw.com</p>
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DUKE ENERGY FLORIDA

DOCKET No. 150002-EG

**Energy Conservation and Cost Recovery
2015 Actual / Estimated and 2016 Projected Costs**

**DIRECT TESTIMONY OF
Lori J. Cross**

August 21, 2015

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

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

4

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

6 A. I am employed by Duke Energy Florida, LLC. (Duke Energy Florida, DEF, or
7 the Company), as Director Regulatory Strategy in the Customer Planning
8 and Analytics department.

9

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

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

15

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

1 A. The purpose of my testimony is to describe the components and costs of the
2 Company's Demand-Side Management ("DSM") Plan. I will detail the
3 projected costs for implementing each program in that plan, explain how
4 these costs are presented in my attached exhibit, and show the resulting
5 Energy Conservation Cost Recovery ("ECCR") factors for customer billings
6 in 2016.

7

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

9 A. Duke Energy Florida seeks recovery through the ECCR clause pursuant to
10 Rule 25-17.015, F.A.C., for the following conservation programs approved by
11 the Commission as part of the Company's DSM Plan, as well as for
12 Conservation Program Administration (i.e. those common administration
13 expenses not specifically linked to an individual program).¹ Notably, DEF
14 seeks recovery of costs for conservation programs approved by the
15 Commission on August 20, 2015 (see Order No. PSC-15-0332-PAA-EG)
16 modifying and approving DEF's Demand Side Management (DSM) Programs.
17 DEF seeks recovery for actual conservation program costs and program
18 administrative costs for the following approved programs:

- 19 • Home Energy Check
- 20 • Residential Incentive Program (formerly Home Energy Improvement)

¹ DEF is seeking recovery of the 2015 actual and estimated costs for the Solar Water Heating for Low Income Residential Customers, Solar Water Heating with Energy Management, Residential Solar Photovoltaic, Commercial Solar Photovoltaic, Photovoltaic for Schools projects, and the Research and Demonstration Project, but does not project any 2016 costs associated with those projects.

- 1 • Residential New Construction (combined with Residential Incentive
- 2 Program beginning 2016)
- 3 • Neighborhood Energy Saver
- 4 • Low-Income Weatherization Assistance Program
- 5 • Energy Management (Residential and Commercial)
- 6 • Business Energy Check
- 7 • Better Business
- 8 • Commercial/Industrial New Construction (combined with Better
- 9 Business beginning 2016)
- 10 • Florida Custom Incentive (formerly Innovation Incentive)
- 11 • Standby Generation
- 12 • Interruptible Service
- 13 • Curtailable Service
- 14 • Technology Development
- 15 • Qualifying Facility
- 16 • Solar Water Heating with Energy Management Pilot
- 17 • Solar Water Heating Low Income Residential Pilot
- 18 • Residential Solar Photovoltaic Pilot
- 19 • Commercial Solar Photovoltaic Pilot
- 20 • Photovoltaic for Schools Pilot
- 21 • Research and Demonstration Pilot

22 **Q. Do you have any exhibits to your testimony?**

1 A. Yes, Exhibit No._(LJC-1P) which supports Duke Energy Florida's energy
2 conservation calculations for the 2015 actual/estimated period and the 2016
3 projection period. There are five (5) schedules included in this exhibit.
4

5 **Q. Will you please explain your exhibit?**

6 A. Yes. Exhibit No._(LJC-1P) presents Schedules C-1 through C-5. Schedules
7 C-1 to C-4 set out the actual costs incurred for all programs during the period
8 from January 2015 through July 2015. They also set out the estimated costs
9 to be incurred for all programs during the period from August 2015 through
10 December 2016. Schedule C-5 provides a brief summary report for each
11 program that includes a program description, estimated annual program
12 expenditures for 2016, and program accomplishments through the period
13 ending July 2015.
14

15 **Q. Would you please discuss Schedule C-1?**

16 A. Schedule C-1 provides the calculation of the cost recovery factors for 2016
17 by rate class.
18

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

20 A. Schedule C-2 provides annual and monthly conservation program cost
21 estimates for the 2016 projection period for each conservation program, as
22 well as for common administration expenses. Additionally, Schedule C-2
23 presents program costs by specific category (i.e., payroll, materials,

1 incentives, etc.) and includes a schedule of estimated capital investments,
2 depreciation and return for the projection period.

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

5 A. Schedule C-3 contains a detailed breakdown of conservation program costs
6 by specific category and by month for the period of January through July
7 2015 (actual) and August through December 2015 (estimated). In addition,
8 Schedule C-3 presents a schedule of capital investment, depreciation and
9 return, an energy conservation adjustment calculation of true-up, and a
10 calculation of interest provision for the 2015 actual/estimated period.

11
12 **Q. What is the purpose of Schedule C-4?**

13 A. Schedule C-4 projects ECCR revenues during the 2016 projection period.

14
15 **Q. Would you please discuss Schedule C-5?**

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

19
20 **Q. Would you please summarize the results presented in your Exhibit?**

21 A. Yes. Schedule C-2, Page 1 of 9, Line 37, shows total program costs, net of
22 the prior period over-recovery, of \$108,145,590 for the 2016 projection
23 period. The following table presents DEF's proposed ECCR billing factors,

1 by retail rate class and voltage level for calendar year 2016, as contained in
2 Schedule C-1, Page 2 of 2.

3
4 **2016 ECCR Billing Factors**

5		Secondary	Primary	Transmission
6	<u>Retail Rate Schedule</u>	<u>Voltage</u>	<u>Voltage</u>	<u>Voltage</u>
7	Residential (Cents/kWh)	.325	N/A	N/A
8	General-Service-Non-Demand (Cents/kWh)	.268	.265	.263
9	General Service 100% Load Factor (Cents/kWh)	.210	N/A	N/A
10	General Service Demand (\$/kW)	.98	.97	.96
11	Curtable (\$/kW)	.67	.66	.66
12	Interruptible (\$/kW)	.84	.83	.82
13	Standby Monthly (\$/kW)	.096	.095	.094
14	Standby Daily (\$/kW)	.046	.046	.045
15	Lighting (Cents/kWh)	.108	N/A	N/A

16
17 **Q. Does this conclude your testimony?**

18 A. Yes.

19

DUKE ENERGY FLORIDA
 Energy Conservation Cost Recovery Clause (ECCR)
 Calculation of the Energy & Demand Allocation % by Rate Class
JANUARY 2016 - DECEMBER 2016

DOCKET NO. 150002-EG
 DUKE ENERGY FLORIDA
 LORI J. CROSS
 EXHIBIT NO. _____ (LJC-1P)
 SCHEDULE C - 1
 PAGE 1 OF 2

Rate Class	(1) Average 12CP Load Factor at Meter (%)	(2) Sales at Meter (mWh)	(3) Avg 12 CP at Meter (MW) (2)/(8784hrsx(1))	(4) Delivery Efficiency Factor	(5) Sales at Source (Generation) (mWh) (2)/(4)	(6) Avg 12 CP at Source (MW) (3)/(4)	(7) Annual Average Demand (5)/(8784hrs)	(8) Annual Average Demand Allocator (%)	(9) 12 CP Allocator (%)	(10) 12CP & 1/13 AD Demand Allocator (%)
Residential										
RS-1, RST-1, RSL-1, RSL-2, RSS-1										
Secondary	0.518	19,482,925	4,282.48	0.9463589	20,587,248	4,525.22	2,343.72	51.568%	61.617%	60.844%
General Service Non-Demand										
GS-1, GST-1										
Secondary	0.682	1,547,422	258.45	0.9463589	1,635,132	273.10	186.15	4.096%	3.719%	3.748%
Primary	0.682	8,546	1.43	0.9766343	8,750	1.46	1.00	0.022%	0.020%	0.020%
Transmission	0.682	3,571	0.60	0.9866343	3,619	0.60	0.41	0.009%	0.008%	0.008%
								4.127%	3.747%	3.776%
General Service										
GS-2 Secondary										
Secondary	1.000	161,981	18.44	0.9463589	171,162	19.49	19.49	0.429%	0.265%	0.278%
General Service Demand										
GSD-1, GSDT-1										
Secondary	0.749	11,824,122	1,797.93	0.9463589	12,494,332	1,899.84	1,422.40	31.296%	25.869%	26.286%
Primary	0.749	2,361,477	359.08	0.9766343	2,417,975	367.67	275.27	6.057%	5.006%	5.087%
Transmission	0.749	0	0.00	0.9866343	0	0.00	0.00	0.000%	0.000%	0.000%
SS-1										
Primary	1.166	5,602	0.55	0.9766343	5,736	0.56	0.65	0.014%	0.008%	0.008%
Transm Del/ Transm Mtr	1.166	11,127	1.09	0.9866343	11,278	1.10	1.28	0.028%	0.015%	0.016%
Transm Del/ Primary Mtr	1.166	3,474	0.34	0.9766343	3,557	0.35	0.40	0.009%	0.005%	0.005%
								37.404%	30.902%	31.403%
Curtable										
CS-1, CST-1, CS-2, CST-2, SS-3										
Secondary	1.305	0	0.00	0.9463589	0	0.00	0.00	0.000%	0.000%	0.000%
Primary	1.305	121,852	10.63	0.9766343	124,767	10.88	14.20	0.313%	0.148%	0.161%
SS-3 Primary										
Primary	0.583	3,604	0.70	0.9766343	3,690	0.72	0.42	0.009%	0.010%	0.010%
								0.322%	0.158%	0.171%
Interruptible										
IS-1, IST-1, IS-2, IST-2										
Secondary	1.009	88,539	9.99	0.9463589	93,558	10.55	10.65	0.234%	0.144%	0.151%
Sec Del/Primary Mtr	1.009	4,449	0.50	0.9766343	4,555	0.51	0.52	0.011%	0.007%	0.007%
Primary Del / Primary Mtr	1.009	1,229,525	138.66	0.9766343	1,258,941	141.98	143.32	3.153%	1.933%	2.027%
Primary Del / Transm Mtr	1.009	9,117	1.03	0.9866343	9,241	1.04	1.05	0.023%	0.014%	0.015%
Transm Del/ Transm Mtr	1.009	222,224	25.06	0.9866343	225,234	25.40	25.64	0.564%	0.346%	0.363%
Transm Del/ Primary Mtr	1.009	269,448	30.39	0.9766343	275,894	31.11	31.41	0.691%	0.424%	0.444%
SS-2										
Primary	0.870	9,262	1.21	0.9766343	9,484	1.24	1.08	0.024%	0.017%	0.017%
Transm Del/ Transm Mtr	0.870	92,038	12.05	0.9866343	93,285	12.21	10.62	0.234%	0.166%	0.171%
Transm Del/ Primary Mtr	0.870	80,335	10.52	0.9766343	82,257	10.77	9.36	0.206%	0.147%	0.151%
								5.141%	3.197%	3.347%
Lighting										
LS-1 (Secondary)										
Secondary	5.506	381,551	7.89	0.9463589	403,178	8.34	45.90	1.010%	0.114%	0.182%
		37,922,191	6,969.01		39,922,874	7,344.16	4,544.95	100.000%	100.000%	100.000%

Notes: (1) Average 12CP load factor based on load research study filed July 31, 2015 (FPSC Rule 25-6.0437 (7))
 (2) Projected kWh sales for the period January 2016 to December 2016
 (3) Column 2 / (8,784 hours x Column 1)
 (4) Based on system average line loss analysis for 2014
 (5) Column 2 / Column 4

(6) Column 3 / Column 4
 (7) Column 5 / 8,784 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
 Energy Conservation Cost Recovery Clause (ECCR)
 Calculation of Energy Conservation Cost Recovery Clause Rate Factors by Rate Class
JANUARY 2016 - DECEMBER 2016

DOCKET NO. 150002-EG
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 LORI J. CROSS
 EXHIBIT NO. _____ (LJC-1P)
 SCHEDULE C - 1
 PAGE 2 OF 2

Rate Class	(1) mWh Sales at Source Energy Allocator (%)	(2) 12CP & 1/13 AD Demand Allocator (%)	(3) Energy- Related Costs (\$)	(4) Production Demand Costs (\$)	(5) Total Energy Conservation Costs (\$)	(6) Projected Effective Sales at Meter Level (mWh)	(7) Billing KW Load Factor (%)	(8) Projected Effective KW at Meter Level (kW)	(9) Energy Conservation Cost Recovery (\$/kW-month)	(10) Energy Conservation Cost Recovery (cents/kWh)
Residential										
RS-1, RST-1, RSL-1, RSL-2, RSS-1										
Secondary	51.568%	60.844%	\$ 13,341,619	\$50,058,123	\$63,399,741	19,482,925				0.325
General Service Non-Demand										
GS-1, GST-1										
Secondary						1,547,422				0.268
Primary						8,461				0.265
Transmission						3,500				0.263
TOTAL GS	4.127%	3.776%	\$ 1,067,668	\$3,106,624	\$4,174,292	1,559,382				
General Service										
GS-2 Secondary	0.429%	0.278%	\$ 110,922	\$228,632	\$339,554	161,981				0.210
General Service Demand										
GSD-1, GSDT-1, SS-1*										
Secondary						11,824,122			0.98	
Primary						2,346,847			0.97	
Transmission						10,904			0.96	
TOTAL GSD	37.404%	31.403%	\$ 9,677,289	\$25,835,946	\$35,513,235	14,181,874	53.50%	36,213,355		
Curtable										
CS-1, CST-1, CS-2, CST-2, CS-3, CST-3, SS-3*										
Secondary						-			0.67	
Primary						124,201			0.66	
Transmission						-			0.66	
TOTAL CS	0.322%	0.171%	\$ 83,247	\$140,358	\$223,605	124,201	50.70%	334,663		
Interruptible										
IS-1, IST-1, IS-2, IST-2, SS-2*										
Secondary						88,539			0.84	
Primary						1,577,089			0.83	
Transmission						316,911			0.82	
TOTAL IS	5.141%	3.347%	\$ 1,330,095	\$2,753,670	\$4,083,765	1,982,539	56.00%	4,836,405		
Lighting										
LS-1 Secondary	1.010%	0.182%	\$ 261,280	\$150,117	\$411,397	381,551				0.108
	100.000%	100.000%	\$25,872,120	\$82,273,469	\$108,145,590	37,874,454				0.286

Notes:

- | | |
|--|--|
| (1) From Schedule C-1 1P, Column 8 | (6) kWh sales at effective secondary voltage |
| (2) From Schedule C-1 1P, Column 10 | (7) Class Billing kW Load Factor |
| (3) Column 1 x Total Energy Dollars, C-2 Page 1, line 33 | (8) Column 6 x 1000 / 8,784 / Column 7 x 12 |
| (4) Column 2 x Total Demand Dollars, C-2 Page 1, line 35 | (9) Column 5 / Column 8 |
| (5) Column 3 + Column 4 | (10) Column 5 x 100 / Column 6 x 1,000 |

*Calculation of Standby Service kW Charges:			
	ECCR Cost	Effective kW	\$/kW
Total GSD, CS, IS	\$39,820,605	41,384,423	0.96
SS-1, 2, 3 - \$/kW-mo			
Monthly - \$0.96/kW * 10%	0.096	0.095	0.094
Daily - \$0.96/kW / 21	0.046	0.046	0.045

**DUKE ENERGY FLORIDA
ESTIMATED CONSERVATION PROGRAM COSTS
JANUARY 2016 - DECEMBER 2016**

**DOCKET NO. 150002-EG
DUKE ENERGY FLORIDA
LORI J. CROSS
EXHIBIT NO. _____ (LJC-1P)
SCHEDULE C-2
PAGE 1 OF 9**

LINE NO.	PROGRAM TITLE Demand (D) or Energy (E)	12 MONTH TOTAL				
1	BETTER BUSINESS (20015937) (E)	\$ 2,800,459				
2	RESIDENTIAL NEW CONSTRUCT (20015933) (E)	\$ 0				
3	RESIDENTIAL INCENTIVE PROGRAM (HOME ENERGY IMP) (20015934) (E)	\$ 6,992,277				
4	C/I NEW CONSTRUCTION (20015938) (E)	\$ 0				
5	HOME ENERGY CHECK (20015932) (E)	\$ 5,901,326				
6	LOW INCOME (20021329) (E)	\$ 625,451				
7	SOLAR WATER HEATING WITH EM (20084920) (E)	\$ 0				
8	RENEWABLE ENERGY SAVER (20060744) (E)	\$ 0				
9	NEIGHBORHOOD ENERGY SAVER (20060745) (E)	\$ 3,723,459				
10	BUSINESS ENERGY CHECK (20015936) (E)	\$ 1,196,174				
11	CONSERVATION PROGRAM ADMIN (20015935) (E)	\$ 3,132,104				
12	CONSERVATION PROGRAM ADMIN (20015935) (D)	\$ 348,012				
13	QUALIFYING FACILITY (20025062) (E)	\$ 977,335				
14	FLORIDA CUSTOM INCENTIVE (INNOVATION INCENTIVE) (20015940) (E)	\$ 661,396				
15	TECHNOLOGY DEVELOPMENT (20015939) (E)	\$ 800,000				
16	STANDBY GENERATION (20021332) (D)	\$ 6,512,180				
17	INTERRUPTIBLE SERVICE (20015941) (D)	\$ 30,952,263				
18	CURTAILABLE SERVICE (20015942) (D)	\$ 1,550,388				
19	RES ENERGY MANGMNT-ADMIN (20015943) (D)	\$ 44,521,234				
20	COM ENERGY MANGMNT-ADMIN (20015944) (D)	\$ 737,160				
21	RESIDENTIAL SOLAR PHOTOVOLTAIC (20084918) (E)	\$ 0				
22	SOLAR WATER HEAT LOW INCOME RES CUST (20084921) (E)	\$ 0				
23	COMMERCIAL SOLAR PHOTOVOLTAIC (20084919) (E)	\$ 0				
24	PHOTOVOLTAIC FOR SCHOOLS PILOT (20084917) (E)	\$ 0				
25	RESEARCH AND DEMONSTRATION (20084922) (E)	\$ 0				
26						
27	NET PROGRAM COSTS	<u>\$ 111,431,217</u>				
28						
29	<u>SUMMARY OF DEMAND & ENERGY</u>					
30		12 Months	Prior Period True-Up	Total Costs	Revenue	Total Costs
31		Total	Under(Over) Recovery	with True - up	Expansion	To Recover
32					Factor	
33	ENERGY	\$ 26,809,981	\$ (945,749)	\$ 25,864,232	1.000305	\$ 25,872,120
34						
35	DEMAND	84,621,236	(2,372,853)	82,248,383	1.000305	82,273,469
36						
37	TOTAL	<u>\$ 111,431,217</u>	<u>\$ (3,318,602)</u>	<u>\$ 108,112,615</u>		<u>\$ 108,145,590</u>

**DUKE ENERGY FLORIDA
ESTIMATED CONSERVATION PROGRAM COSTS
JANUARY 2016 - DECEMBER 2016**

DOCKET NO. 150002-EG
DUKE ENERGY FLORIDA
LORI J. CROSS
EXHIBIT NO. _____ (LJC-1P)
SCHEDULE C-2
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LINE NO.	PROGRAM TITLE Demand (D) or Energy (E)	ESTIMATED												TOTAL
		Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	
1	BETTER BUSINESS (20015937) (E)	\$233,180	\$230,373	\$233,298	\$235,255	\$233,298	\$233,298	\$233,302	\$233,298	\$235,255	\$233,298	\$233,298	\$233,308	\$2,800,459
2	RESIDENTIAL NEW CONSTRUCT (20015933) (E)	0	0	0	0	0	0	0	0	0	0	0	0	0
3	RESIDENTIAL INCENTIVE PROGRAM (HOME ENERGY IMP) (20015934) (E)	585,981	585,982	588,495	584,934	580,279	580,279	580,279	580,279	584,934	580,279	580,279	580,279	6,992,277
4	C/I NEW CONSTRUCTION (20015938) (E)	0	0	0	0	0	0	0	0	0	0	0	0	0
5	HOME ENERGY CHECK (20015932) (E)	422,931	318,602	1,217,408	912,602	570,234	340,056	350,499	338,024	374,102	424,681	326,082	306,105	5,901,326
6	LOW INCOME (20021329) (E)	51,780	51,780	52,164	52,288	52,164	52,164	52,164	52,164	52,288	52,164	52,164	52,164	625,451
7	SOLAR WATER HEATING WITH EM (20084920) (E)	0	0	0	0	0	0	0	0	0	0	0	0	0
8	RENEWABLE ENERGY SAVER (20060744) (E)	0	0	0	0	0	0	0	0	0	0	0	0	0
9	NEIGHBORHOOD ENERGY SAVER (20060745) (E)	303,959	303,852	314,614	311,458	314,614	311,114	318,007	314,507	311,458	314,614	304,328	300,935	3,723,459
10	BUSINESS ENERGY CHECK (20015936) (E)	86,521	111,010	84,909	84,901	84,891	84,880	234,870	84,860	84,850	84,840	84,830	84,814	1,196,174
11	CONSERVATION PROGRAM ADMIN (20015935) (E)	267,339	267,448	268,977	261,878	257,798	257,798	257,798	257,798	261,878	257,798	257,798	257,798	3,132,104
12	CONSERVATION PROGRAM ADMIN (20015935) (D)	29,704	29,716	29,886	29,098	28,644	28,644	28,644	28,644	29,098	28,644	28,644	28,644	348,012
13	QUALIFYING FACILITY (20025062) (E)	81,445	81,445	81,445	81,445	81,445	81,445	81,445	81,445	81,445	81,445	81,445	81,445	977,335
14	FLORIDA CUSTOM INCENTIVE (INNOVATION INCENTIVE) (20015940) (E)	56,033	55,033	55,033	55,033	55,033	55,033	55,033	55,033	55,033	55,033	55,033	55,033	661,396
15	TECHNOLOGY DEVELOPMENT (20015939) (E)	34,375	34,375	34,375	98,958	98,958	98,958	34,375	34,375	34,375	98,958	98,958	98,958	800,000
16	STANDBY GENERATION (20021332) (D)	535,064	533,984	537,515	538,047	538,417	544,181	543,588	543,895	548,788	549,179	549,567	549,953	6,512,180
17	INTERRUPTIBLE SERVICE (20015941) (D)	2,579,407	2,578,881	2,578,965	2,579,121	2,579,247	2,579,241	2,579,366	2,579,492	2,579,483	2,579,606	2,579,731	2,579,720	30,952,263
18	CURTAILABLE SERVICE (20015942) (D)	129,199	129,199	129,199	129,199	129,199	129,199	129,199	129,199	129,199	129,199	129,199	129,199	1,550,388
19	RES ENERGY MANGMNT-ADMIN (20015943) (D)	3,667,125	3,675,265	3,684,114	3,692,352	3,700,038	3,705,968	3,711,802	3,718,648	3,726,523	3,736,438	3,746,583	3,756,379	44,521,234
20	COM ENERGY MANGMNT-ADMIN (20015944) (D)	61,430	61,430	61,430	61,430	61,430	61,430	61,430	61,430	61,430	61,430	61,430	61,430	737,160
21	RESIDENTIAL SOLAR PHOTOVOLTAIC (20084918) (E)	0	0	0	0	0	0	0	0	0	0	0	0	0
22	SOLAR WATER HEAT LOW INCOME RES CUST (20084921) (E)	0	0	0	0	0	0	0	0	0	0	0	0	0
23	COMMERCIAL SOLAR PHOTOVOLTAIC (20084919) (E)	0	0	0	0	0	0	0	0	0	0	0	0	0
24	PHOTOVOLTAIC FOR SCHOOLS PILOT (20084917) (E)	0	0	0	0	0	0	0	0	0	0	0	0	0
25	RESEARCH AND DEMONSTRATION (20084922) (E)	0	0	0	0	0	0	0	0	0	0	0	0	0
26														
27	NET PROGRAM COSTS	\$9,125,474	\$9,048,375	\$9,951,828	\$9,707,998	\$9,365,689	\$9,143,688	\$9,251,801	\$9,093,090	\$9,150,137	\$9,267,606	\$9,169,369	\$9,156,163	\$111,431,217
28														
29														
30	SUMMARY OF DEMAND & ENERGY													
31														
32	ENERGY	\$2,123,544	\$2,039,899	\$2,930,718	\$2,678,751	\$2,328,713	\$2,095,024	\$2,197,771	\$2,031,782	\$2,075,617	\$2,183,110	\$2,074,215	\$2,050,837	\$26,809,981
33														
34	DEMAND	7,001,930	7,008,476	7,021,110	7,029,246	7,036,975	7,048,664	7,054,030	7,061,308	7,074,521	7,084,497	7,095,154	7,105,325	84,621,236
35														
36	TOTAL	\$9,125,474	\$9,048,375	\$9,951,828	\$9,707,998	\$9,365,689	\$9,143,688	\$9,251,801	\$9,093,090	\$9,150,137	\$9,267,606	\$9,169,369	\$9,156,163	\$111,431,217

DUKE ENERGY FLORIDA
ESTIMATED CONSERVATION PROGRAM COSTS
JANUARY 2016 - DECEMBER 2016

DOCKET NO. 150002-EG
DUKE ENERGY FLORIDA
LORI J. CROSS
EXHIBIT NO. _____ (LJC-1P)
SCHEDULE C-2
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LINE NO.	PROGRAM TITLE Demand (D) or Energy (E)	DEPRECIATION, AMORTIZATION &RETURN	PAYROLL & BENEFITS	MATERIALS & SUPPLIES	OUTSIDE SERVICES	ADVERTISING	INCENTIVES	VEHICLES	OTHER	PROGRAM REVENUES (CREDITS)	TOTAL
1	BETTER BUSINESS (20015937) (E)	\$307	\$1,509,000	\$30,100	\$0	\$145,200	\$904,454	\$0	\$211,398	\$0	\$2,800,459
2	RESIDENTIAL NEW CONSTRUCT (20015933) (E)	0	0	0	0	0	0	0	0	0	0
3	RESIDENTIAL INCENTIVE PROGRAM (HOME ENERGY IMP) (20015934) (E)	0	1,656,567	81,198	0	1,051,913	4,036,530	0	166,070	0	6,992,277
4	C/I NEW CONSTRUCTION (20015938) (E)	0	0	0	0	0	0	0	0	0	0
5	HOME ENERGY CHECK (20015932) (E)	22,753	2,992,385	7,480	101,841	1,913,306	808,521	55,040	0	0	5,901,326
6	LOW INCOME (20021329) (E)	0	200,126	0	0	32,500	392,825	0	0	0	625,451
7	SOLAR WATER HEATING WITH EM (20084920) (E)	0	0	0	0	0	0	0	0	0	0
8	RENEWABLE ENERGY SAVER (20060744) (E)	0	0	0	0	0	0	0	0	0	0
9	NEIGHBORHOOD ENERGY SAVER (20060745) (E)	0	252,443	0	265,000	91,811	3,095,190	0	19,015	0	3,723,459
10	BUSINESS ENERGY CHECK (20015936) (E)	16,464	462,317	22,200	179,500	79,200	369,090	0	67,403	0	1,196,174
11	CONSERVATION PROGRAM ADMIN (20015935) (E)	0	2,604,133	71,793	218,623	0	0	0	237,555	0	3,132,104
12	CONSERVATION PROGRAM ADMIN (20015935) (D)	0	289,348	7,977	24,291	0	0	0	26,395	0	348,012
13	QUALIFYING FACILITY (20025062) (E)	0	823,500	10,759	98,986	0	0	6,600	37,490	0	977,335
14	FLORIDA CUSTOM INCENTIVE (INNOVATION INCENTIVE) (20015940) (E)	0	42,000	1,000	86,520	90,720	436,000	0	5,156	0	661,396
15	TECHNOLOGY DEVELOPMENT (20015939) (E)	0	300,000	200,000	275,000	0	0	5,000	20,000	0	800,000
16	STANDBY GENERATION (20021332) (D)	77,534	122,639	9,024	0	0	6,294,792	0	8,191	0	6,512,180
17	INTERRUPTIBLE SERVICE (20015941) (D)	15,426	66,034	6,936	0	0	30,859,008	0	4,859	0	30,952,263
18	CURTAILABLE SERVICE (20015942) (D)	0	0	0	0	0	1,550,388	0	0	0	1,550,388
19	RES ENERGY MANGMNT-ADMIN (20015943) (D)	15,763,738	1,349,411	168,650	1,620,911	708,624	24,824,247	25,000	60,653	0	44,521,234
20	COM ENERGY MANGMNT-ADMIN (20015944) (D)	0	0	0	0	0	737,160	0	0	0	737,160
21	RESIDENTIAL SOLAR PHOTOVOLTAIC (20084918) (E)	0	0	0	0	0	0	0	0	0	0
22	SOLAR WATER HEAT LOW INCOME RES CUST (20084921) (E)	0	0	0	0	0	0	0	0	0	0
23	COMMERCIAL SOLAR PHOTOVOLTAIC (20084919) (E)	0	0	0	0	0	0	0	0	0	0
24	PHOTOVOLTAIC FOR SCHOOLS PILOT (20084917) (E)	0	0	0	0	0	0	0	0	0	0
25	RESEARCH AND DEMONSTRATION (20084922) (E)	0	0	0	0	0	0	0	0	0	0
26											
27											
28	NET PROGRAM COSTS	\$15,896,222	\$12,669,903	\$617,117	\$2,870,672	\$4,113,274	\$74,308,204	\$91,640	\$864,184	\$0	\$111,431,217
29											
30											
31	SUMMARY OF DEMAND & ENERGY										
32											
33	ENERGY	\$39,524	\$10,842,471	\$424,530	\$1,225,470	\$3,404,650	\$10,042,609	\$66,640	\$764,086	\$0	\$26,809,981
34											
35	DEMAND	15,856,698	1,827,432	192,587	1,645,202	708,624	64,265,595	25,000	100,098	0	84,621,236
36											
37	TOTAL	\$15,896,222	\$12,669,903	\$617,117	\$2,870,672	\$4,113,274	\$74,308,204	\$91,640	\$864,184	\$0	\$111,431,217

DUKE ENERGY FLORIDA
SCHEDULE OF ESTIMATED CAPITAL INVESTMENTS, DEPRECIATION & RETURN
JANUARY 2016 - DECEMBER 2016

DOCKET NO. 150002-EG
DUKE ENERGY FLORIDA
LORI J. CROSS
EXHIBIT NO. _____ (LJC-1P)
SCHEDULE C-2
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LINE NO.	PROGRAM TITLE	BEGINNING BALANCE	ESTIMATED												TOTAL
			Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	
1	BETTER BUSINESS (20015937) (E)														
2	INVESTMENT		\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
3	RETIREMENTS		10,820	0	0	0	0	0	0	0	0	0	0	0	0
4	DEPRECIATION BASE		5,410	0	0	0	0	0	0	0	0	0	0	0	0
5															
6	DEPRECIATION EXPENSE (20% rate)		305	0	0	0	0	0	0	0	0	0	0	0	0
7															
8	CUMULATIVE INVESTMENT	10,820	0	0	0	0	0	0	0	0	0	0	0	0	0
9	LESS: ACC. DEPRECIATION	10,515	0	0	0	0	0	0	0	0	0	0	0	0	0
10	NET INVESTMENT	305	0	0	0	0	0	0	0	0	0	0	0	0	0
11	AVERAGE INVESTMENT		152	0	0	0	0	0	0	0	0	0	0	0	0
12	RETURN ON AVERAGE INVESTMENT		1	0	0	0	0	0	0	0	0	0	0	0	1
13															
14	RETURN REQUIREMENTS		2	0	0	0	0	0	0	0	0	0	0	0	2
15															
16	PROGRAM TOTAL		\$ 307	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$307
17															
18	HOME ENERGY IMPROVEMENT (20015934) (E)														
19	INVESTMENT		\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$0
20	RETIREMENTS		0	0	0	0	0	0	0	0	0	0	0	0	0
21	DEPRECIATION BASE		0	0	0	0	0	0	0	0	0	0	0	0	0
22															
23	DEPRECIATION EXPENSE (20% rate)		0	0	0	0	0	0	0	0	0	0	0	0	0
24															
25	CUMULATIVE INVESTMENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	LESS: ACC. DEPRECIATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	NET INVESTMENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	AVERAGE INVESTMENT		0	0	0	0	0	0	0	0	0	0	0	0	0
29	RETURN ON AVERAGE INVESTMENT		0	0	0	0	0	0	0	0	0	0	0	0	0
30															
31	RETURN REQUIREMENTS		0	0	0	0	0	0	0	0	0	0	0	0	0
32															
33	PROGRAM TOTAL		\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$0
34															
35	HOME ENERGY CHECK (20015932) (E)														
36	INVESTMENT		\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$0
37	RETIREMENTS		0	0	0	0	0	0	0	0	0	0	0	0	0
38	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	82,462
39															
40	DEPRECIATION EXPENSE (20% rate)		1,374	1,374	1,374	1,374	1,374	1,374	1,374	1,374	1,374	1,374	1,374	1,374	16,488
41															
42	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
43	LESS: ACC. DEPRECIATION	13,762	15,136	16,510	17,884	19,258	20,632	22,006	23,380	24,754	26,128	27,502	28,876	30,250	30,250
44	NET INVESTMENT	68,700	67,326	65,952	64,578	63,204	61,830	60,456	59,082	57,708	56,334	54,960	53,586	52,212	52,212
45	AVERAGE INVESTMENT		68,013	66,639	65,265	63,891	62,517	61,143	59,769	58,395	57,021	55,647	54,273	52,899	52,899
46	RETURN ON AVERAGE INVESTMENT		405	397	388	381	373	364	356	348	339	331	324	315	4,321
47															
48	RETURN REQUIREMENTS		587	575	563	552	541	528	516	504	492	480	470	457	6,265
49															
50	PROGRAM TOTAL		\$ 1,961	\$ 1,949	\$ 1,937	\$ 1,926	\$ 1,915	\$ 1,902	\$ 1,890	\$ 1,878	\$ 1,866	\$ 1,854	\$ 1,844	\$ 1,831	\$22,753

NOTES:
- RETURN ON AVERAGE INVESTMENT IS CALCULATED USING AN ANNUAL RATE OF 7.15% BASED ON MAY 2015 EARNING SURVEILLANCE REPORT PER ORDER PSC-12-0425.
- RETURN REQUIREMENTS ARE CALCULATED USING A COMBINED STATUTORY TAX RATE OF 38.575%

DUKE ENERGY FLORIDA
SCHEDULE OF ESTIMATED CAPITAL INVESTMENTS, DEPRECIATION & RETURN
JANUARY 2016 - DECEMBER 2016

DOCKET NO. 150002-EG
DUKE ENERGY FLORIDA
LORI J. CROSS
EXHIBIT NO. _____ (LJC-1P)
SCHEDULE C-2
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LINE NO.	PROGRAM TITLE	BEGINNING BALANCE	ESTIMATED												TOTAL
			Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	
1	BUSINESS ENERGY CHECK (20015936) (E)														
2	INVESTMENT		\$ 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		69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415
5															
6	DEPRECIATION EXPENSE (20% rate)		1,157	1,157	1,157	1,157	1,157	1,157	1,157	1,157	1,157	1,157	1,157	1,157	1,157
7															
8	CUMULATIVE INVESTMENT	69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415
9	LESS: ACC. DEPRECIATION	37,581	38,738	39,895	41,052	42,209	43,366	44,523	45,680	46,837	47,994	49,151	50,308	51,465	51,465
10	NET INVESTMENT	31,834	30,677	29,520	28,363	27,206	26,049	24,892	23,735	22,578	21,421	20,264	19,107	17,950	17,950
11	AVERAGE INVESTMENT		31,256	30,099	28,942	27,785	26,628	25,471	24,314	23,157	22,000	20,843	19,686	18,529	18,529
12	RETURN ON AVERAGE INVESTMENT		186	179	172	166	159	152	145	138	131	124	117	110	1,779
13															
14	RETURN REQUIREMENTS		270	259	249	241	231	220	210	200	190	180	170	160	2,580
15															
16	PROGRAM TOTAL		\$ 1,427	\$ 1,416	\$ 1,406	\$ 1,398	\$ 1,388	\$ 1,377	\$ 1,367	\$ 1,357	\$ 1,347	\$ 1,337	\$ 1,327	\$ 1,317	\$16,464
17															
18	CONSERVATION PROGRAM ADMIN (20015935) (E)														
19	INVESTMENT		\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$0
20	RETIREMENTS		0	0	0	0	0	0	0	0	0	0	0	0	0
21	DEPRECIATION BASE		0	0	0	0	0	0	0	0	0	0	0	0	0
22															
23	DEPRECIATION EXPENSE (20% rate)		0	0	0	0	0	0	0	0	0	0	0	0	0
24															
25	CUMULATIVE INVESTMENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	LESS: ACC. DEPRECIATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	NET INVESTMENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	AVERAGE INVESTMENT		0	0	0	0	0	0	0	0	0	0	0	0	0
29	RETURN ON AVERAGE INVESTMENT		0	0	0	0	0	0	0	0	0	0	0	0	0
30															
31	RETURN REQUIREMENTS		0	0	0	0	0	0	0	0	0	0	0	0	0
32															
33	PROGRAM TOTAL		\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$0
34															
35	TECH DEVELOPMENT (20015939) (E)														
36	INVESTMENT		\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$0
37	RETIREMENTS		0	0	0	0	0	0	0	0	0	0	0	0	0
38	DEPRECIATION BASE		0	0	0	0	0	0	0	0	0	0	0	0	0
39															
40	DEPRECIATION EXPENSE (20% rate)		0	0	0	0	0	0	0	0	0	0	0	0	0
41															
42	CUMULATIVE INVESTMENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	LESS: ACC. DEPRECIATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	NET INVESTMENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	AVERAGE INVESTMENT		0	0	0	0	0	0	0	0	0	0	0	0	0
46	RETURN ON AVERAGE INVESTMENT		0	0	0	0	0	0	0	0	0	0	0	0	0
47															
48	RETURN REQUIREMENTS		0	0	0	0	0	0	0	0	0	0	0	0	0
49															
50	PROGRAM TOTAL		\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$0

NOTES:
- RETURN ON AVERAGE INVESTMENT IS CALCULATED USING AN ANNUAL RATE OF 7.15% BASED ON MAY 2015 EARNING SURVEILLANCE REPORT PER ORDER PSC-12-0425.
- RETURN REQUIREMENTS ARE CALCULATED USING A COMBINED STATUTORY TAX RATE OF 38.575%

DUKE ENERGY FLORIDA
SCHEDULE OF ESTIMATED CAPITAL INVESTMENTS, DEPRECIATION & RETURN
JANUARY 2016 - DECEMBER 2016

DOCKET NO. 150002-EG
DUKE ENERGY FLORIDA
LORI J. CROSS
EXHIBIT NO. _____ (LJC-1P)
SCHEDULE C-2
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LINE NO.	PROGRAM TITLE	BEGINNING BALANCE	ESTIMATED												TOTAL
			Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	
1	STANDBY GENERATION (20021332) (D)														
2	INVESTMENT		\$ 17,330	\$ 17,330	\$ 17,330	\$ 17,330	\$ 17,330	\$ 17,330	\$ 17,330	\$ 17,330	\$ 17,330	\$ 17,330	\$ 17,330	\$ 17,330	\$207,960
3	RETIREMENTS		0	176,498	0	126	4,000	0	10,800	0	0	0	0	0	191,425
4	DEPRECIATION BASE		374,715	303,796	232,877	250,144	265,411	280,741	292,671	304,600	321,930	339,260	356,590	373,920	
5															
6	DEPRECIATION EXPENSE (20% rate)		6,245	5,063	3,881	4,169	4,424	4,679	4,878	5,077	5,366	5,654	5,943	6,232	61,611
7															
8	CUMULATIVE INVESTMENT	366,050	383,380	224,212	241,542	258,746	272,076	289,406	295,935	313,265	330,595	347,925	365,255	382,585	382,585
9	LESS: ACC. DEPRECIATION	286,802	293,047	121,612	125,493	129,536	129,960	134,639	128,716	133,793	139,159	144,813	150,756	156,988	156,988
10	NET INVESTMENT	79,248	90,333	102,600	116,049	129,210	142,116	154,767	167,219	179,472	191,436	203,112	214,499	225,597	225,597
11	AVERAGE INVESTMENT		84,791	96,467	109,325	122,630	135,663	148,442	160,993	173,346	185,454	197,274	208,806	220,048	
12	RETURN ON AVERAGE INVESTMENT		505	575	651	730	809	884	959	1,033	1,105	1,176	1,244	1,311	10,982
13															
14	RETURN REQUIREMENTS		732	834	944	1,058	1,173	1,282	1,390	1,498	1,602	1,705	1,804	1,901	15,923
15															
16	PROGRAM TOTAL		\$ 6,977	\$ 5,897	\$ 4,825	\$ 5,227	\$ 5,597	\$ 5,961	\$ 6,268	\$ 6,575	\$ 6,968	\$ 7,359	\$ 7,747	\$ 8,133	\$77,534
17															
18	INTERRUPTIBLE SERVICE (20015941) (D)														
19	INVESTMENT		\$ 10,500	\$ 0	\$ 0	\$ 10,500	\$ 0	\$ 0	\$ 10,500	\$ 0	\$ 0	\$ 10,500	\$ 0	\$ 0	\$42,000
20	RETIREMENTS		78,111	0	39	0	0	0	0	0	0	0	0	0	78,150
21	DEPRECIATION BASE		71,164	37,358	37,338	42,569	47,819	47,819	53,069	58,319	58,319	63,569	68,819	68,819	
22															
23	DEPRECIATION EXPENSE (20% rate)		1,186	623	622	709	797	797	884	972	972	1,059	1,147	1,147	10,915
24															
25	CUMULATIVE INVESTMENT	104,969	37,358	37,358	37,319	47,819	47,819	47,819	58,319	58,319	58,319	68,819	68,819	68,819	68,819
26	LESS: ACC. DEPRECIATION	80,848	3,923	4,546	5,129	5,838	6,635	7,432	8,316	9,288	10,260	11,319	12,466	13,613	13,613
27	NET INVESTMENT	24,121	33,435	32,812	32,190	41,981	41,184	40,387	50,003	49,031	48,059	57,500	56,353	55,206	55,206
28	AVERAGE INVESTMENT		28,778	33,123	32,501	37,085	41,582	40,785	45,195	49,517	48,545	52,779	56,926	55,779	
29	RETURN ON AVERAGE INVESTMENT		172	197	194	221	247	243	269	295	289	314	339	332	3,112
30															
31	RETURN REQUIREMENTS		249	286	281	320	358	352	390	428	419	455	492	481	4,511
32															
33	PROGRAM TOTAL		\$ 1,435	\$ 909	\$ 903	\$ 1,029	\$ 1,155	\$ 1,149	\$ 1,274	\$ 1,400	\$ 1,391	\$ 1,514	\$ 1,639	\$ 1,628	\$15,426
34															
35	PHOTOVOLTAIC FOR SCHOOLS PILOT (20084917) (E)														
36	INVESTMENT		\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$0
37	RETIREMENTS		0	0	0	0	0	0	0	0	0	0	0	0	0
38	DEPRECIATION BASE		0	0	0	0	0	0	0	0	0	0	0	0	
39															
40	DEPRECIATION EXPENSE (20% rate)		0	0	0	0	0	0	0	0	0	0	0	0	0
41															
42	CUMULATIVE INVESTMENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	LESS: ACC. DEPRECIATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	NET INVESTMENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	AVERAGE INVESTMENT		0	0	0	0	0	0	0	0	0	0	0	0	
46	RETURN ON AVERAGE INVESTMENT		0	0	0	0	0	0	0	0	0	0	0	0	0
47															
48	RETURN REQUIREMENTS		0	0	0	0	0	0	0	0	0	0	0	0	0
49															
50	PROGRAM TOTAL		\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$0

NOTES:
- RETURN ON AVERAGE INVESTMENT IS CALCULATED USING AN ANNUAL RATE OF 7.15% BASED ON MAY 2015 EARNING SURVEILLANCE REPORT PER ORDER PSC-12-0425.
- RETURN REQUIREMENTS ARE CALCULATED USING A COMBINED STATUTORY TAX RATE OF 38.575%

DUKE ENERGY FLORIDA
SCHEDULE OF ESTIMATED CAPITAL INVESTMENTS, DEPRECIATION & RETURN
JANUARY 2016 - DECEMBER 2016

DOCKET NO. 150002-EG
DUKE ENERGY FLORIDA
LORI J. CROSS
EXHIBIT NO. _____ (LJC-1P)
SCHEDULE C-2
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LINE NO.	PROGRAM TITLE	BEGINNING BALANCE	ESTIMATED												TOTAL
			Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	
1	RESIDENTIAL ENERGY MANAGEMENT - SUMMARY (ITEMIZED BELOW)														
2	EXPENDITURES BOOKED DIRECTLY TO PLANT		\$ 641,291	\$ 641,291	\$ 641,339	\$ 641,604	\$ 641,604	\$ 641,604	\$ 641,604	\$ 641,604	\$ 641,604	\$ 641,604	\$ 641,604	\$ 641,604	\$7,698,355
3	RETIREMENTS		210,012	240,012	282,790	236,598	248,366	441,577	254,999	314,133	125,163	59,975	89,024	91,903	2,594,554
4	INVESTMENTS BOOKED TO CWIP		0	0	0	0	0	0	0	0	0	0	0	0	0
5	CLOSINGS TO PLANT		0	0	0	0	0	0	0	0	0	0	0	0	0
6	DEPRECIATION BASE		68,405,262	68,821,542	69,201,456	69,583,234	69,982,355	70,278,987	70,572,302	70,929,340	71,351,295	71,900,330	72,467,434	73,018,574	
7															
8	DEPRECIATION EXPENSE (itemized below)		823,513	830,451	836,783	843,146	849,798	854,742	859,631	865,581	872,614	881,764	891,216	900,402	10,309,641
9															
10	CUMULATIVE PLANT INVEST.	68,189,622	68,620,902	69,022,181	69,380,730	69,785,736	70,178,974	70,379,000	70,765,604	71,093,074	71,609,515	72,191,143	72,743,723	73,293,423	73,293,423
11	LESS: ACC. DEPRECIATION	14,345,196	14,958,697	15,549,136	16,103,129	16,709,677	17,311,109	17,724,274	18,328,905	18,880,353	19,627,804	20,449,593	21,251,784	22,060,284	22,060,284
12	CUMULATIVE CWIP INVEST.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NET PLANT INVESTMENT	53,844,426	53,662,205	53,473,045	53,277,601	53,076,059	52,867,865	52,654,726	52,436,699	52,212,721	51,981,711	51,741,551	51,491,938	51,233,140	51,233,140
14	AVERAGE INVESTMENT		53,753,315	53,567,625	53,375,323	53,176,830	52,971,962	52,761,295	52,545,712	52,324,710	52,097,216	51,861,631	51,616,744	51,362,539	
15	RETURN ON AVG. INVEST.		320,283	319,178	318,031	316,849	315,627	314,372	313,089	311,772	310,417	309,011	307,552	306,039	3,762,220
16															
17	RETURN REQUIREMENTS		464,315	462,712	461,050	459,336	457,565	455,746	453,886	451,976	450,013	447,973	445,860	443,665	\$5,454,097
18															
19	PROGRAM TOTAL		\$ 1,287,828	\$ 1,293,163	\$ 1,297,833	\$ 1,302,482	\$ 1,307,363	\$ 1,310,488	\$ 1,313,517	\$ 1,317,557	\$ 1,322,627	\$ 1,329,737	\$ 1,337,076	\$ 1,344,067	\$ 15,763,738
20															
21	RESIDENTIAL ENERGY MANAGEMENT - NGDR HARDWARE FOR ODS, LMS, APPDEV. ALSO INCLUDES NGDR TELECOM. (D)														
22	EXPENDITURES BOOKED DIRECTLY TO PLANT		\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$0
23	RETIREMENTS		0	0	0	0	0	0	0	0	0	0	0	0	0
24	INVESTMENTS BOOKED TO CWIP		0	0	0	0	0	0	0	0	0	0	0	0	0
25	CLOSINGS TO PLANT		0	0	0	0	0	0	0	0	0	0	0	0	0
26	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	
27															
28	DEPRECIATION EXPENSE		123,422	123,422	123,422	123,422	123,422	123,422	123,422	123,422	123,422	123,422	123,422	123,422	1,481,064
29															
30	CUMULATIVE PLANT INVEST.	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
31	LESS: ACC. DEPRECIATION	3,005,239	3,128,661	3,252,083	3,375,505	3,498,927	3,622,349	3,745,771	3,869,193	3,992,615	4,116,037	4,239,459	4,362,881	4,486,303	4,486,303
32	CUMULATIVE CWIP INVEST.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	NET PLANT INVESTMENT	7,582,152	7,458,730	7,335,308	7,211,886	7,088,464	6,965,042	6,841,620	6,718,198	6,594,776	6,471,354	6,347,932	6,224,510	6,101,088	6,101,088
34	AVERAGE INVESTMENT		7,520,441	7,397,019	7,273,597	7,150,175	7,026,753	6,903,331	6,779,909	6,656,487	6,533,065	6,409,643	6,286,221	6,162,799	
35	RETURN ON AVG. INVEST.		44,809	44,075	43,339	42,604	41,868	41,132	40,398	39,662	38,927	38,191	37,455	36,721	489,181
36															
37	RETURN REQUIREMENTS		64,960	63,895	62,828	61,763	60,696	59,629	58,565	57,498	56,433	55,366	54,299	53,234	\$709,166
38															
39	PROGRAM TOTAL		\$ 188,382	\$ 187,317	\$ 186,250	\$ 185,185	\$ 184,118	\$ 183,051	\$ 181,987	\$ 180,920	\$ 179,855	\$ 178,788	\$ 177,721	\$ 176,656	\$ 2,190,230

NOTES:
- RETURN ON AVERAGE INVESTMENT IS CALCULATED USING AN ANNUAL RATE OF 7.15% BASED ON MAY 2015 EARNING SURVEILLANCE REPORT PER ORDER PSC-12-0425.
- RETURN REQUIREMENTS ARE CALCULATED USING A COMBINED STATUTORY TAX RATE OF 38.575%
- DEPRECIATION EXPENSE IN LINE 28 IS CALCULATED USING A BLENDED RATE.

DUKE ENERGY FLORIDA
SCHEDULE OF ESTIMATED CAPITAL INVESTMENTS, DEPRECIATION & RETURN
JANUARY 2016 - DECEMBER 2016

DOCKET NO. 150002-EG
DUKE ENERGY FLORIDA
LORI J. CROSS
EXHIBIT NO. _____ (LJC-1P)
SCHEDULE C-2
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LINE NO.	PROGRAM TITLE	BEGINNING BALANCE	ESTIMATED												TOTAL	
			Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16		
1	RESIDENTIAL ENERGY MANAGEMENT - NGDR SOFTWARE FOR ODS, LMS, APPDEV (D)															
2	EXPENDITURES BOOKED DIRECTLY TO PLANT	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$0
3	RETIREMENTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	INVESTMENTS BOOKED TO CWIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	CLOSINGS TO PLANT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	DEPRECIATION BASE	18,503,462	18,503,462	18,503,462	18,503,462	18,503,462	18,503,462	18,503,462	18,503,462	18,503,462	18,503,462	18,503,462	18,503,462	18,503,462	18,503,462	
7																
8	DEPRECIATION EXPENSE (20% rate)	308,392	308,392	308,392	308,392	308,392	308,392	308,392	308,392	308,392	308,392	308,392	308,392	308,392	308,392	3,700,704
9																
10	CUMULATIVE PLANT INVEST.	18,503,462	18,503,462	18,503,462	18,503,462	18,503,462	18,503,462	18,503,462	18,503,462	18,503,462	18,503,462	18,503,462	18,503,462	18,503,462	18,503,462	18,503,462
11	LESS: ACC. DEPRECIATION	3,072,755	3,381,147	3,689,539	3,997,931	4,306,323	4,614,715	4,923,107	5,231,499	5,539,891	5,848,283	6,156,675	6,465,067	6,773,459	6,773,459	6,773,459
12	CUMULATIVE CWIP INVEST.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NET PLANT INVESTMENT	15,430,707	15,122,315	14,813,923	14,505,531	14,197,139	13,888,747	13,580,355	13,271,963	12,963,571	12,655,179	12,346,787	12,038,395	11,730,003	11,730,003	11,730,003
14	AVERAGE INVESTMENT		15,276,511	14,968,119	14,659,727	14,351,335	14,042,943	13,734,551	13,426,159	13,117,767	12,809,375	12,500,983	12,192,591	11,884,199		
15	RETURN ON AVG. INVEST.		91,023	89,186	87,349	85,511	83,673	81,836	79,998	78,161	76,324	74,486	72,648	70,810		971,005
16																
17	RETURN REQUIREMENTS		131,956	129,293	126,630	123,965	121,301	118,638	115,973	113,310	110,647	107,982	105,318	102,653		\$1,407,666
18																
19	PROGRAM TOTAL	\$ 440,348	\$ 437,685	\$ 435,022	\$ 432,357	\$ 429,693	\$ 427,030	\$ 424,365	\$ 421,702	\$ 419,039	\$ 416,374	\$ 413,710	\$ 411,045	\$ 408,379	\$ 405,714	\$ 5,108,370
20																
21	RESIDENTIAL ENERGY MANAGEMENT - NGDR AMI METERS (D)															
22	EXPENDITURES BOOKED DIRECTLY TO PLANT	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$0
23	RETIREMENTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	INVESTMENTS BOOKED TO CWIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	CLOSINGS TO PLANT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	DEPRECIATION BASE	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	
27																
28	DEPRECIATION EXPENSE (5.97% rate)	112,142	112,142	112,142	112,142	112,142	112,142	112,142	112,142	112,142	112,142	112,142	112,142	112,142	112,142	1,345,704
29																
30	CUMULATIVE PLANT INVEST.	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012
31	LESS: ACC. DEPRECIATION	3,860,807	3,972,949	4,085,091	4,197,233	4,309,375	4,421,517	4,533,659	4,645,801	4,757,943	4,870,085	4,982,227	5,094,369	5,206,511	5,206,511	5,206,511
32	CUMULATIVE CWIP INVEST.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	NET PLANT INVESTMENT	18,680,205	18,568,063	18,455,921	18,343,779	18,231,637	18,119,495	18,007,353	17,895,211	17,783,069	17,670,927	17,558,785	17,446,643	17,334,501	17,334,501	17,334,501
34	AVERAGE INVESTMENT		18,624,134	18,511,992	18,399,850	18,287,708	18,175,566	18,063,424	17,951,282	17,839,140	17,726,998	17,614,856	17,502,714	17,390,572		
35	RETURN ON AVG. INVEST.		110,970	110,302	109,634	108,965	108,296	107,627	106,958	106,289	105,620	104,951	104,282	103,613		1,287,540
36																
37	RETURN REQUIREMENTS		160,874	159,905	158,937	157,967	157,000	156,030	155,062	154,092	153,125	152,155	151,187	150,218		\$1,866,552
38																
39	PROGRAM TOTAL	\$ 273,016	\$ 272,047	\$ 271,079	\$ 270,109	\$ 269,142	\$ 268,172	\$ 267,204	\$ 266,234	\$ 265,267	\$ 264,297	\$ 263,329	\$ 262,360	\$ 261,391	\$ 260,422	\$ 3,212,256

NOTES:

- RETURN ON AVERAGE INVESTMENT IS CALCULATED USING AN ANNUAL RATE OF 7.15% BASED ON MAY 2015 EARNING SURVEILLANCE REPORT PER ORDER PSC-12-0425.
- RETURN REQUIREMENTS ARE CALCULATED USING A COMBINED STATUTORY TAX RATE OF 38.575%

DUKE ENERGY FLORIDA
SCHEDULE OF ESTIMATED CAPITAL INVESTMENTS, DEPRECIATION & RETURN
JANUARY 2016 - DECEMBER 2016

DOCKET NO. 150002-EG
DUKE ENERGY FLORIDA
LORI J. CROSS
EXHIBIT NO. _____ (LJC-1P)
SCHEDULE C-2
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LINE NO.	PROGRAM TITLE	BEGINNING BALANCE	ESTIMATED												TOTAL	
			Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16		
1	RESIDENTIAL ENERGY MANAGEMENT - NON-NGDR RESIDENTIAL PROJECTS (D)															
2	EXPENDITURES BOOKED DIRECTLY TO PLANT		\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
3	RETIREMENTS		0	25,172	0	0	0	0	1,271	0	0	0	0	0	0	26,443
4	INVESTMENTS BOOKED TO CWIP		0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	CLOSINGS TO PLANT		0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	DEPRECIATION BASE		102,406	89,820	77,234	77,234	77,234	77,234	76,598	75,963	75,963	75,963	75,963	75,963	75,963	
7																
8	DEPRECIATION EXPENSE (20% rate)		1,707	1,497	1,287	1,287	1,287	1,287	1,277	1,266	1,266	1,266	1,266	1,266	1,266	15,959
9																
10	CUMULATIVE PLANT INVEST.	102,406	102,406	77,234	77,234	77,234	77,234	77,234	75,963	75,963	75,963	75,963	75,963	75,963	75,963	75,963
11	LESS: ACC. AMORT.	76,415	78,122	54,447	55,734	57,021	58,308	59,595	59,601	60,867	62,133	63,399	64,665	65,931	65,931	65,931
12	CUMULATIVE CWIP INVEST.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NET PLANT INVESTMENT	25,991	24,284	22,787	21,500	20,213	18,926	17,639	16,362	15,096	13,830	12,564	11,298	10,032	10,032	10,032
14	AVERAGE INVESTMENT		25,137	23,535	22,143	20,856	19,569	18,282	17,000	15,729	14,463	13,197	11,931	10,665		
15	RETURN ON AVG. INVEST.		150	140	131	124	116	109	102	94	86	78	71	64		1,265
16																
17	RETURN REQUIREMENTS		217	203	190	180	168	158	148	136	125	113	103	93		1,834
18																
19	PROGRAM TOTAL		\$ 1,924	\$ 1,700	\$ 1,477	\$ 1,467	\$ 1,455	\$ 1,445	\$ 1,425	\$ 1,402	\$ 1,391	\$ 1,379	\$ 1,369	\$ 1,359	\$ 1,359	\$17,793
20																
21	RESIDENTIAL ENERGY MANAGEMENT - LOAD MANAGEMENT SWITCHES (9080120) (D)															
22	EXPENDITURES BOOKED DIRECTLY TO PLANT		641,291	641,291	641,339	641,604	641,604	641,604	641,604	641,604	641,604	641,604	641,604	641,604	641,604	\$7,698,355
23	RETIREMENTS		210,012	214,840	282,790	236,598	248,366	441,577	253,728	314,133	125,163	59,975	89,024	91,903	2,568,110	
24	INVESTMENTS BOOKED TO CWIP		0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	CLOSINGS TO PLANT		0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	AMORTIZATION BASE		16,670,991	17,099,857	17,492,357	17,874,135	18,273,256	18,569,888	18,863,839	19,221,512	19,643,467	20,192,502	20,759,606	21,310,746		
27																
28	AMORTIZATION EXPENSE (20% rate)		277,850	284,998	291,540	297,903	304,555	309,499	314,398	320,359	327,392	336,542	345,994	355,180		3,766,210
29																
30	CUMULATIVE PLANT INVEST.	16,455,352	16,886,631	17,313,083	17,671,632	18,076,637	18,469,875	18,669,901	19,057,777	19,385,247	19,901,688	20,483,316	21,035,896	21,585,596	21,585,596	
31	LESS: ACC. AMORT.	4,329,980	4,397,818	4,467,976	4,476,726	4,538,031	4,594,220	4,462,142	4,522,812	4,529,037	4,731,266	5,007,833	5,264,803	5,528,080	5,528,080	
32	CUMULATIVE CWIP INVEST.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	NET PLANT INVESTMENT	12,125,372	12,488,813	12,845,106	13,194,906	13,538,606	13,875,655	14,207,759	14,534,965	14,856,210	15,170,421	15,475,483	15,771,093	16,057,516	16,057,516	
34	AVERAGE INVESTMENT		12,307,092	12,666,960	13,020,006	13,366,756	13,707,131	14,041,707	14,371,362	14,695,587	15,013,315	15,322,952	15,623,288	15,914,304		
35	RETURN ON AVG. INVEST.		73,331	75,475	77,578	79,645	81,672	83,666	85,630	87,563	89,455	91,300	93,090	94,824		1,013,229
36																
37	RETURN REQUIREMENTS		106,308	109,416	112,465	115,461	118,400	121,291	124,138	126,940	129,683	132,357	134,953	137,467		1,468,879
38																
39	PROGRAM TOTAL		\$ 384,158	\$ 394,414	\$ 404,005	\$ 413,364	\$ 422,955	\$ 430,790	\$ 438,536	\$ 447,299	\$ 457,075	\$ 468,899	\$ 480,947	\$ 492,647	\$ 492,647	\$5,235,089
40																
41	SUMMARY OF DEMAND & ENERGY:															
42																
43	ENERGY		3,695	3,365	3,343	3,324	3,303	3,279	3,257	3,235	3,213	3,191	3,171	3,148		39,524
44	DEMAND		1,296,240	1,299,969	1,303,561	1,308,738	1,314,115	1,317,598	1,321,059	1,325,532	1,330,986	1,338,610	1,346,462	1,353,828		15,856,698
45	TOTAL DEPRECIATION AND RETURN		1,299,935	1,303,334	1,306,904	1,312,062	1,317,418	1,320,877	1,324,316	1,328,767	1,334,199	1,341,801	1,349,633	1,356,976		15,896,222

NOTES:

- RETURN ON AVERAGE INVESTMENT IS CALCULATED USING AN ANNUAL RATE OF 7.15% BASED ON MAY 2015 EARNING SURVEILLANCE REPORT PER ORDER PSC-12-0425.
- RETURN REQUIREMENTS ARE CALCULATED USING A COMBINED STATUTORY TAX RATE OF 38.575%

DUKE ENERGY FLORIDA
 CONSERVATION PROGRAM COSTS
 JANUARY through JULY, 2015 ACTUAL
 AUGUST through DECEMBER, 2015 ESTIMATED

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 DUKE ENERGY FLORIDA
 LORI J. CROSS
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LINE NO.	PROGRAM TITLE	DEPRECIATION AMORTIZATION & RETURN	OPERATING AND MAINTENANCE COSTS							PROGRAM REVENUES (CREDITS)	TOTAL
			PAYROLL & BENEFITS	VEHICLES	OUTSIDE SERVICES	MATERIALS & SUPPLIES	ADVERTISING	INCENTIVES	OTHER		
1	BETTER BUSINESS										
2	A. ACTUAL	\$3,670	\$515,975	\$1,641	\$23,245	\$14,637	\$3,661	\$722,073	\$6,876	\$0	\$1,291,778
3	B. ESTIMATED	1,939	339,962	1,385	38,637	6,306	71,339	487,560	4,792	0	951,920
4											
5	C. TOTAL	\$5,609	\$855,937	\$3,026	\$61,882	\$20,943	\$75,000	\$1,209,633	\$11,668	\$0	\$2,243,698
6											
7	RESIDENTIAL NEW CONSTRUCTION										
8	A. ACTUAL	\$0	\$464,558	\$6,650	\$14,472	\$4,056	\$10,771	\$1,934,679	\$56,187	\$0	\$2,491,373
9	B. ESTIMATED	0	350,250	3,584	4,853	1,355	3,461	1,835,621	29,961	0	2,229,084
10											
11	C. TOTAL	\$0	\$814,809	\$10,234	\$19,324	\$5,411	\$14,232	\$3,770,300	\$86,148	\$0	\$4,720,458
12											
13	HOME ENERGY IMPROVEMENT										
14	A. ACTUAL	\$268	\$630,822	\$22,801	\$48,727	\$5,191	\$22,634	\$1,867,256	\$25,616	\$0	\$2,623,316
15	B. ESTIMATED	0	385,493	2,488	35,155	0	11,758	1,122,297	20,333	0	1,577,523
16											
17	C. TOTAL	\$268	\$1,016,314	\$25,289	\$83,882	\$5,191	\$34,392	\$2,989,554	\$45,949	\$0	\$4,200,839
18											
19	C/I NEW CONSTRUCTION										
20	A. ACTUAL	\$0	\$151,762	\$56	\$0	\$14,515	\$0	\$49,296	\$2,318	\$0	\$217,946
21	B. ESTIMATED	0	102,943	55	7,809	6,744	0	240,262	1,965	0	359,778
22											
23	C. TOTAL	\$0	\$254,705	\$111	\$7,809	\$21,259	\$0	\$289,557	\$4,283	\$0	\$577,724
24											
25	HOME ENERGY CHECK										
26	A. ACTUAL	\$11,502	\$1,646,393	\$50,473	\$27,100	\$55,117	\$41,079	\$0	\$24,909	\$0	\$1,856,573
27	B. ESTIMATED	7,988	1,108,251	27,160	0	371,348	87,619	79,246	20,818	0	1,702,429
28											
29	C. TOTAL	\$19,490	\$2,754,644	\$77,632	\$27,100	\$426,465	\$128,698	\$79,246	\$45,727	\$0	\$3,559,002
30											
31	LOW INCOME										
32	A. ACTUAL	\$0	\$67,838	\$0	\$0	\$0	\$16,000	\$46,891	\$4,041	\$0	\$134,770
33	B. ESTIMATED	0	44,913	0	0	0	14,954	63,436	5,740	0	129,042
34											
35	C. TOTAL	\$0	\$112,751	\$0	\$0	\$0	\$30,954	\$110,327	\$9,781	\$0	\$263,812

DUKE ENERGY FLORIDA
 CONSERVATION PROGRAM COSTS
 JANUARY through JULY, 2015 ACTUAL
 AUGUST through DECEMBER, 2015 ESTIMATED

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LINE NO.	PROGRAM TITLE	DEPRECIATION AMORTIZATION & RETURN	OPERATING AND MAINTENANCE COSTS							PROGRAM REVENUES (CREDITS)	TOTAL
			PAYROLL & BENEFITS	VEHICLES	OUTSIDE SERVICES	MATERIALS & SUPPLIES	ADVERTISING	INCENTIVES	OTHER		
1	RENEWABLE ENERGY SAVER										
2	A. ACTUAL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	B. ESTIMATED	0	0	0	0	0	0	0	0	0	0
4											
5	C. TOTAL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6											
7	NEIGHBORHOOD ENERGY SAVER										
8	A. ACTUAL	\$0	\$122,726	\$385	\$88,305	\$1,694	\$44,378	\$254,291	\$14,245	\$0	\$526,023
9	B. ESTIMATED	0	86,458	382	156,717	11,600	0	549,168	14,244	0	818,569
10											
11	C. TOTAL	\$0	\$209,185	\$767	\$245,022	\$13,294	\$44,378	\$803,459	\$28,489	\$0	\$1,344,592
12											
13	BUSINESS ENERGY CHECK										
14	A. ACTUAL	\$10,978	\$252,663	\$13,229	\$27,000	\$15,312	\$378	\$0	\$13,238	\$0	\$332,797
15	B. ESTIMATED	7,521	170,229	3,080	138,732	14,486	4,622	0	167	0	338,837
16											
17	C. TOTAL	\$18,499	\$422,892	\$16,309	\$165,732	\$29,798	\$5,000	\$0	\$13,404	\$0	\$671,635
18											
19	QUALIFYING FACILITY										
20	A. ACTUAL	\$0	\$479,481	\$3,715	\$5,650	\$312	\$0	\$0	\$7,851	\$0	\$497,009
21	B. ESTIMATED	0	338,405	3,804	8,163	710	0	0	8,474	0	359,556
22											
23	C. TOTAL	\$0	\$817,886	\$7,518	\$13,813	\$1,022	\$0	\$0	\$16,325	\$0	\$856,564
24											
25	INNOVATION INCENTIVE										
26	A. ACTUAL	\$0	\$30,683	\$253	\$1,871	\$29	\$0	\$300	\$806	\$0	\$33,941
27	B. ESTIMATED	0	22,869	0	41,058	0	0	84,926	570	0	149,423
28											
29	C. TOTAL	\$0	\$53,552	\$253	\$42,928	\$29	\$0	\$85,226	\$1,376	\$0	\$183,364
30											
31	TECHNOLOGY DEVELOPMENT										
32	A. ACTUAL	\$401	\$50,749	\$998	\$31,844	\$8,450	\$0	\$0	\$5,281	\$0	\$97,723
33	B. ESTIMATED	0	168,653	0	161,707	88,500	0	0	30,818	0	449,678
34											
35	C. TOTAL	\$401	\$219,401	\$998	\$193,551	\$96,950	\$0	\$0	\$36,099	\$0	\$547,401

DUKE ENERGY FLORIDA
 CONSERVATION PROGRAM COSTS
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 AUGUST through DECEMBER, 2015 ESTIMATED

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LINE NO.	PROGRAM TITLE	DEPRECIATION AMORTIZATION & RETURN	OPERATING AND MAINTENANCE COSTS							PROGRAM REVENUES (CREDITS)	TOTAL
			PAYROLL & BENEFITS	VEHICLES	OUTSIDE SERVICES	MATERIALS & SUPPLIES	ADVERTISING	INCENTIVES	OTHER		
1	STANDBY GENERATION										
2	A. ACTUAL	\$50,570	\$90,197	\$5,437	\$14,140	\$42,077	\$0	\$3,879,822	\$5,655	\$0	\$4,087,897
3	B. ESTIMATED	34,585	24,987	1,889	1,963	7,860	0	2,420,666	4,219	0	2,496,168
4											
5	C. TOTAL	\$85,155	\$115,184	\$7,326	\$16,102	\$49,936	\$0	\$6,300,488	\$9,873	\$0	\$6,584,065
6											
7	INTERRUPT LOAD MANAGEMENT										
8	A. ACTUAL	\$10,786	\$44,715	\$433	\$3,364	\$39,805	\$0	\$17,759,688	\$1,320	\$0	\$17,860,112
9	B. ESTIMATED	9,235	15,876	1,392	1,585	27	0	12,645,872	3,885	0	12,677,872
10											
11	C. TOTAL	\$20,021	\$60,591	\$1,824	\$4,949	\$39,832	\$0	\$30,405,560	\$5,205	\$0	\$30,537,983
12											
13	CURTAIL LOAD MANAGEMENT										
14	A. ACTUAL	\$0	\$0	\$0	\$0	\$0	\$0	\$923,221	\$0	\$0	\$923,221
15	B. ESTIMATED	0	0	0	0	0	0	528,055	0	0	528,055
16											
17	C. TOTAL	\$0	\$0	\$0	\$0	\$0	\$0	\$1,451,275	\$0	\$0	\$1,451,275
18											
19	RESIDENTIAL ENERGY MANAGEMENT INC. NGDR & LOAD MANAGEMENT SWITCHES										
20	A. ACTUAL	\$6,280,321	\$836,840	\$23,916	\$1,103,619	\$368,031	\$7,702	\$13,054,111	\$34,577	\$0	\$21,709,117
21	B. ESTIMATED	5,142,263	338,033	1,236	1,473,599	1,871,612	499,404	10,716,026	48,693	0	20,090,866
22											
23	C. TOTAL	\$11,422,584	\$1,174,873	\$25,152	\$2,577,218	\$2,239,643	\$507,105	\$23,770,137	\$83,270	\$0	\$41,799,983
24											
25	COMMERCIAL LOAD MANAGEMENT										
26	A. ACTUAL	\$0	\$174	\$0	\$0	\$0	\$0	\$311,823	\$0	\$0	\$311,997
27	B. ESTIMATED	0	0	0	0	0	0	250,761	0	0	250,761
28											
29	C. TOTAL	\$0	\$174	\$0	\$0	\$0	\$0	\$562,584	\$0	\$0	\$562,758
30											
31	CONSERVATION PROGRAM ADMIN										
32	A. ACTUAL	\$2,630	\$1,877,475	\$41,907	\$395,317	\$137,870	\$0	\$0	\$140,139	\$0	\$2,595,337
33	B. ESTIMATED	0	1,328,395	37,262	263,128	91,081	0	0	38,723	0	1,758,588
34											
35	C. TOTAL	\$2,630	\$3,205,870	\$79,169	\$658,444	\$228,950	\$0	\$0	\$178,862	\$0	\$4,353,926

DUKE ENERGY FLORIDA
 CONSERVATION PROGRAM COSTS
 JANUARY through JULY, 2015 ACTUAL
 AUGUST through DECEMBER, 2015 ESTIMATED

DOCKET NO. 150002-EG
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 LORI J. CROSS
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LINE NO.	PROGRAM TITLE	DEPRECIATION AMORTIZATION & RETURN	OPERATING AND MAINTENANCE COSTS							PROGRAM REVENUES (CREDITS)	TOTAL
			PAYROLL & BENEFITS	VEHICLES	OUTSIDE SERVICES	MATERIALS & SUPPLIES	ADVERTISING	INCENTIVES	OTHER		
1	SOLAR WATER HEATING WITH EM										
2	A. ACTUAL	\$0	\$20,404	\$0	\$545	\$607	\$0	\$82,744	\$980	\$0	\$105,281
3	B. ESTIMATED	0	10,535	0	1,897	0	0	33,799	406	0	46,637
4											
5	C. TOTAL	\$0	\$30,939	\$0	\$2,442	\$607	\$0	\$116,544	\$1,386	\$0	\$151,918
6											
7	RESIDENTIAL SOLAR PHOTOVOLTAIC										
8	A. ACTUAL	\$0	\$61,173	\$441	\$935	\$38	\$0	\$2,039,574	\$9,415	\$0	\$2,111,576
9	B. ESTIMATED	0	52,647	205	2,399	0	0	602,572	0	0	657,824
10											
11	C. TOTAL	\$0	\$113,821	\$646	\$3,334	\$38	\$0	\$2,642,146	\$9,415	\$0	\$2,769,399
12											
13	SOLAR WATER HEAT LOW INCOME RES										
14	A. ACTUAL	\$0	\$11,145	\$163	\$273	\$18	\$0	\$9,212	\$863	\$0	\$21,674
15	B. ESTIMATED	0	7,594	162	5,489	0	0	100,126	534	0	113,905
16											
17	C. TOTAL	\$0	\$18,739	\$325	\$5,762	\$18	\$0	\$109,338	\$1,397	\$0	\$135,579
18											
19	COMMERCIAL SOLAR PHOTOVOLTAIC										
20	A. ACTUAL	\$0	\$18,744	\$0	\$10	\$9	\$0	\$316,980	\$1,280	\$0	\$337,024
21	B. ESTIMATED	0	14,401	0	6,450	0	0	1,076,421	502	0	1,097,774
22											
23	C. TOTAL	\$0	\$33,144	\$0	\$6,461	\$9	\$0	\$1,393,401	\$1,783	\$0	\$1,434,798
24											
25	PHOTOVOLTAIC FOR SCHOOLS										
26	A. ACTUAL	\$0	\$21,189	\$0	\$2,419	\$3,206	\$1,397	\$209,841	\$5,341	\$0	\$243,392
27	B. ESTIMATED	0	21,617	0	4,936	2,538	0	1,341,223	5,850	0	1,376,164
28											
29	C. TOTAL	\$0	\$42,805	\$0	\$7,355	\$5,744	\$1,397	\$1,551,064	\$11,190	\$0	\$1,619,556
30											
31	RESEARCH AND DEMONSTRATION										
32	A. ACTUAL	\$0	\$6,930	\$169	\$10,000	\$0	\$0	\$0	\$411	\$0	\$17,509
33	B. ESTIMATED	0	23,085	170	27,826	15,000	0	0	4,235	0	70,316
34											
35	C. TOTAL	\$0	\$30,015	\$339	\$37,826	\$15,000	\$0	\$0	\$4,646	\$0	\$87,826
36											
37	TOTAL ALL PROGRAMS	\$ 11,574,657	\$ 12,358,231	\$ 256,919	\$ 4,180,936	\$ 3,200,141	\$ 841,155	\$ 77,639,838	\$ 606,277	\$0	\$ 110,658,154

DUKE ENERGY FLORIDA
SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION & RETURN
FOR THE PERIOD JANUARY 2015 THROUGH DECEMBER 2015

DOCKET NO. 150002-EG
DUKE ENERGY FLORIDA
LORI J. CROSS
EXHIBIT NO. _____ (LJC-1P)
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LINE NO.	BEGINNING BALANCE	Jan 15	Feb 15	Mar 15	Apr 15	May 15	Jun 15	Jul 15	Aug 15	Sep 15	Oct 15	Nov 15	Dec 15	TOTAL
1	BETTER BUSINESS (20015937) (E)													
2	INVESTMENTS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	RETIREMENTS	24,059	0	0	0	0	0	0	0	0	0	16,976	0	41,035
4	DEPRECIATION BASE	39,825	27,796	27,796	27,796	27,796	27,796	27,796	27,796	27,796	27,796	19,308	10,820	
5														
6	DEPRECIATION EXPENSE (20% rate)	664	463	463	463	463	463	463	463	463	463	322	180	5,333
7														
8	CUMM. NET INVEST	51,855	27,796	27,796	27,796	27,796	27,796	27,796	27,796	27,796	27,796	10,820	10,820	10,820
9	LESS: ACC. NET DEPR	46,217	22,822	23,285	23,748	24,211	24,674	25,137	25,600	26,063	26,526	26,989	10,335	10,515
10	NET INVESTMENT	5,638	4,974	4,511	4,048	3,585	3,122	2,659	2,196	1,733	1,270	807	485	305
11	AVERAGE INVESTMENT		5,306	4,742	4,279	3,816	3,353	2,890	2,427	1,964	1,501	1,038	646	395
12	RETURN ON AVG INVEST		31	28	25	22	20	17	14	11	9	6	4	3
13														190
14	RETURN REQUIREMENTS		45	41	36	32	29	25	20	16	13	9	6	4
15														276
16	PROGRAM TOTAL		\$709	\$504	\$499	\$495	\$492	\$488	\$483	\$479	\$476	\$472	\$328	\$184
17														\$5,609
18	HOME ENERGY IMPROVEMENT (20015934) (E)													
19	INVESTMENTS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20	RETIREMENTS	28,783	0	0	0	0	0	0	0	0	0	0	0	28,783
21	DEPRECIATION BASE	14,392	0	0	0	0	0	0	0	0	0	0	0	
22														
23	DEPRECIATION EXPENSE (20% rate)	267	0	0	0	0	0	0	0	0	0	0	0	267
24														
25	CUMM. NET INVEST	28,783	0	0	0	0	0	0	0	0	0	0	0	0
26	LESS: ACC. NET DEPR	28,517	0	0	0	0	0	0	0	0	0	0	0	0
27	NET INVESTMENT	267	0	0	0	0	0	0	0	0	0	0	0	0
28	AVERAGE INVESTMENT		133	0	0	0	0	0	0	0	0	0	0	0
29	RETURN ON AVG INVEST		1	0	0	0	0	0	0	0	0	0	0	1
30														
31	RETURN REQUIREMENTS		2	0	0	0	0	0	0	0	0	0	0	2
32														
33	PROGRAM TOTAL		\$269	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$269
34														
35	HOME ENERGY CHECK (20015932) (E)													
36	INVESTMENTS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
37	RETIREMENTS	0	0	0	0	0	0	0	0	0	0	0	0	0
38	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	
39														
40	DEPRECIATION EXPENSE (14.3% rate)	983	983	983	983	983	983	983	983	983	983	983	983	11,796
41														
42	CUMM. NET INVEST	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
43	LESS: ACC. NET DEPR	1,966	2,949	3,932	4,915	5,898	6,881	7,864	8,847	9,830	10,813	11,796	12,779	13,762
44	NET INVESTMENT	80,496	79,513	78,530	77,547	76,564	75,581	74,598	73,615	72,632	71,649	70,666	69,683	68,700
45	AVERAGE INVESTMENT		80,004	79,021	78,038	77,055	76,072	75,089	74,106	73,123	72,140	71,157	70,174	69,191
46	RETURN ON AVG INVEST		472	467	460	454	449	443	441	436	430	424	418	412
47														5,306
48	RETURN REQUIREMENTS		685	677	667	659	651	643	639	632	623	615	606	597
49														7,694
50	PROGRAM TOTAL		\$1,668	\$1,660	\$1,650	\$1,642	\$1,634	\$1,626	\$1,622	\$1,615	\$1,606	\$1,598	\$1,589	\$1,580
														\$19,490

NOTES:

- JAN-JUN RETURN ON AVERAGE INVESTMENT IS CALCULATED USING AN ANNUAL RATE OF 7.08% BASED ON MAY 2014 EARNING SURVEILLANCE REPORT PER ORDER PSC-12-0425.
- JUL-DEC RETURN ON AVERAGE INVESTMENT IS CALCULATED USING AN ANNUAL RATE OF 7.15% BASED ON MAY 2015 EARNING SURVEILLANCE REPORT PER ORDER PSC-12-0425.
- RETURN REQUIREMENTS ARE CALCULATED USING A COMBINED STATUTORY TAX RATE OF 38.575%

DUKE ENERGY FLORIDA
SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION & RETURN
FOR THE PERIOD JANUARY 2015 THROUGH DECEMBER 2015

DOCKET NO. 150002-EG
DUKE ENERGY FLORIDA
LORI J. CROSS
EXHIBIT NO. _____ (LJC-1P)
SCHEDULE C-3
PAGE 6 OF 12

LINE NO.	BEGINNING BALANCE	Jan 15	Feb 15	Mar 15	Apr 15	May 15	Jun 15	Jul 15	Aug 15	Sep 15	Oct 15	Nov 15	Dec 15	TOTAL
1	BUSINESS ENERGY CHECK (20015936) (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	3,085	3,085
4	DEPRECIATION BASE	72,499	72,499	72,499	72,499	72,499	72,499	72,499	72,499	72,499	72,499	72,499	70,957	
5														
6	DEPRECIATION EXPENSE (20% rate)	1,208	1,208	1,208	1,208	1,208	1,208	1,208	1,208	1,208	1,208	1,208	1,183	14,471
7														
8	CUMM. NET INVEST	72,499	72,499	72,499	72,499	72,499	72,499	72,499	72,499	72,499	72,499	72,499	69,415	69,415
9	LESS: ACC. NET DEPR	26,194	27,402	28,610	29,818	31,026	32,234	33,442	34,650	35,858	37,066	38,274	39,482	37,581
10	NET INVESTMENT	46,305	45,097	43,889	42,681	41,473	40,265	39,057	37,849	36,641	35,433	34,225	33,017	31,834
11	AVERAGE INVESTMENT		45,701	44,493	43,285	42,077	40,869	39,661	38,453	37,245	36,037	34,829	33,621	32,426
12	RETURN ON AVG INVEST		269	262	255	248	241	234	229	222	215	208	200	193
13														2,776
14	RETURN REQUIREMENTS		390	380	370	360	350	340	332	322	312	302	290	280
15														4,028
16	PROGRAM TOTAL		\$1,598	\$1,588	\$1,578	\$1,568	\$1,558	\$1,548	\$1,540	\$1,530	\$1,520	\$1,510	\$1,498	\$1,463
17														\$18,499
18	ENERGY CONSERVATION ADMIN (20015935) (E)													
19	INVESTMENTS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20	RETIREMENTS	0	0	0	0	31,366	0	0	\$0	\$0	\$0	\$0	\$0	31,366
21	DEPRECIATION BASE	31,366	31,366	31,366	31,366	15,683	0	0	0	0	0	0	0	0
22														
23	DEPRECIATION EXPENSE (20% rate)	523	523	523	523	484	0	0	0	0	0	0	0	2,576
24														
25	CUMM. NET INVEST	31,366	31,366	31,366	31,366	0	0	0	0	0	0	0	0	0
26	LESS: ACC. NET DEPR	28,790	29,313	29,836	30,359	30,882	0	0	0	0	0	0	0	0
27	NET INVESTMENT	2,576	2,053	1,530	1,007	484	0	0	0	0	0	0	0	0
28	AVERAGE INVESTMENT		2,314	1,791	1,268	745	242	0	0	0	0	0	0	0
29	RETURN ON AVG INVEST		14	11	7	4	1	0	0	0	0	0	0	37
30														
31	RETURN REQUIREMENTS		20	16	10	6	2	0	0	0	0	0	0	54
32														
33	PROGRAM TOTAL		\$543	\$539	\$533	\$529	\$486	\$0	\$0	\$0	\$0	\$0	\$0	\$2,630
34														
35	TECHNOLOGY DEVELOPMENT (20015939) (E)													
36	INVESTMENTS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
37	RETIREMENTS	0	11,311	1,630	0	305	0	0	0	0	0	0	0	13,247
38	DEPRECIATION BASE	13,247	7,591	1,120	305	153	0	0	0	0	0	0	0	0
39														
40	DEPRECIATION EXPENSE (20% rate)	221	127	19	5	27	0	0	0	0	0	0	0	399
41														
42	CUMM. NET INVEST	13,247	13,247	1,936	305	305	0	0	0	0	0	0	0	0
43	LESS: ACC. NET DEPR	12,848	13,069	1,885	273	278	0	0	0	0	0	0	0	0
44	NET INVESTMENT	399	178	51	32	27	0	0	0	0	0	0	0	0
45	AVERAGE INVESTMENT		289	115	42	30	14	0	0	0	0	0	0	0
46	RETURN ON AVG INVEST		1	0	0	0	0	0	0	0	0	0	0	1
47														
48	RETURN REQUIREMENTS		2	0	0	0	0	0	0	0	0	0	0	2
49														
50	PROGRAM TOTAL		\$223	\$127	\$19	\$5	\$27	\$0	\$0	\$0	\$0	\$0	\$0	\$401

NOTES:

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- JUL-DEC RETURN ON AVERAGE INVESTMENT IS CALCULATED USING AN ANNUAL RATE OF 7.15% BASED ON MAY 2015 EARNING SURVEILLANCE REPORT PER ORDER PSC-12-0425.
- RETURN REQUIREMENTS ARE CALCULATED USING A COMBINED STATUTORY TAX RATE OF 38.575%

DUKE ENERGY FLORIDA
SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION & RETURN
FOR THE PERIOD JANUARY 2015 THROUGH DECEMBER 2015

DOCKET NO. 150002-EG
DUKE ENERGY FLORIDA
LORI J. CROSS
EXHIBIT NO. _____ (LJC-1P)
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LINE NO.	BEGINNING BALANCE	Jan 15	Feb 15	Mar 15	Apr 15	May 15	Jun 15	Jul 15	Aug 15	Sep 15	Oct 15	Nov 15	Dec 15	TOTAL
1	STANDBY GENERATION (20021332) (D)													
2	INVESTMENTS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	RETIREMENTS	0	0	0	0	0	0	0	0	0	0	0	0	0
4	DEPRECIATION BASE	366,050	366,050	366,050	366,050	366,050	366,050	366,050	366,050	366,050	366,050	366,050	366,050	
5														
6	DEPRECIATION EXPENSE (20% rate)	6,101	6,101	6,101	6,101	6,101	6,101	6,101	6,101	6,101	6,101	6,101	6,101	73,212
7														
8	CUMM. NET INVEST	366,050	366,050	366,050	366,050	366,050	366,050	366,050	366,050	366,050	366,050	366,050	366,050	366,050
9	LESS: ACC. NET DEPR	213,590	219,691	225,792	231,893	237,994	244,095	250,196	256,297	262,398	268,499	274,600	280,701	286,802
10	NET INVESTMENT	152,460	146,359	140,258	134,157	128,056	121,955	115,854	109,753	103,652	97,551	91,450	85,349	79,248
11	AVERAGE INVESTMENT	149,410	143,309	137,208	131,107	125,006	118,905	112,804	106,703	100,602	94,501	88,400	82,299	82,299
12	RETURN ON AVG INVEST	881	846	810	774	737	701	672	636	599	563	527	490	8,236
13														
14	RETURN REQUIREMENTS	1,278	1,227	1,175	1,123	1,069	1,017	974	922	868	816	764	710	11,943
15														
16	PROGRAM TOTAL	\$7,379	\$7,328	\$7,276	\$7,224	\$7,170	\$7,118	\$7,075	\$7,023	\$6,969	\$6,917	\$6,865	\$6,811	\$85,155
17														
18	INTERRUPTIBLE SERVICE (20015941) (D)													
19	INVESTMENTS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,500	\$0	\$0	\$0	\$19,500
20	RETIREMENTS	0	0	(6,097)	0	0	0	0	0	0	0	0	0	(6,097)
21	DEPRECIATION BASE	79,372	79,372	82,421	85,469	85,469	85,469	85,469	85,469	95,219	104,969	104,969	104,969	
22														
23	DEPRECIATION EXPENSE (20% rate)	1,323	1,323	1,374	1,424	1,424	1,424	1,424	1,424	1,587	1,749	1,749	1,749	17,974
24														
25	CUMM. NET INVEST	79,372	79,372	85,469	85,469	85,469	85,469	85,469	85,469	104,969	104,969	104,969	104,969	104,969
26	LESS: ACC. NET DEPR	56,777	58,100	59,423	66,894	68,318	69,742	71,166	72,590	74,014	75,601	77,350	79,099	80,848
27	NET INVESTMENT	22,595	21,272	19,949	18,575	17,151	15,727	14,303	12,879	11,455	29,368	27,619	25,870	24,121
28	AVERAGE INVESTMENT	21,933	20,610	19,262	17,863	16,439	15,015	13,591	12,167	20,411	28,493	26,744	24,995	24,995
29	RETURN ON AVG INVEST	130	121	114	106	97	89	81	73	122	170	159	149	1,411
30														
31	RETURN REQUIREMENTS	188	176	165	154	141	129	117	106	177	247	231	216	2,047
32														
33	PROGRAM TOTAL	\$1,511	\$1,499	\$1,539	\$1,578	\$1,565	\$1,553	\$1,541	\$1,530	\$1,764	\$1,996	\$1,980	\$1,965	\$20,021
34														
35	PHOTOVOLTAIC FOR SCHOOLS PILOT (20084917) (E)													
36	INVESTMENT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
37	RETIREMENTS	0	0	0	0	0	0	0	0	0	0	0	0	0
38	DEPRECIATION BASE	0	0	0	0	0	0	0	0	0	0	0	0	0
39														
40	DEPRECIATION EXPENSE (20% rate)	0	0	0	0	0	0	0	0	0	0	0	0	0
41														
42	CUMULATIVE INVESTMENT	0	0	0	0	0	0	0	0	0	0	0	0	0
43	LESS: ACC. DEPRECIATION	0	0	0	0	0	0	0	0	0	0	0	0	0
44	NET INVESTMENT	0	0	0	0	0	0	0	0	0	0	0	0	0
45	AVERAGE INVESTMENT	0	0	0	0	0	0	0	0	0	0	0	0	0
46	RETURN ON AVERAGE INVESTMENT	0	0	0	0	0	0	0	0	0	0	0	0	0
47														
48	RETURN REQUIREMENTS	0	0	0	0	0	0	0	0	0	0	0	0	0
49														
50	PROGRAM TOTAL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

NOTES:

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- RETURN REQUIREMENTS ARE CALCULATED USING A COMBINED STATUTORY TAX RATE OF 38.575%

DUKE ENERGY FLORIDA
SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION & RETURN
FOR THE PERIOD JANUARY 2015 THROUGH DECEMBER 2015

DOCKET NO. 150002-EG
DUKE ENERGY FLORIDA
LORI J. CROSS
EXHIBIT NO. _____ (LJC-1P)
SCHEDULE C-3
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LINE NO.	BEGINNING BALANCE	Jan 15	Feb 15	Mar 15	Apr 15	May 15	Jun 15	Jul 15	Aug 15	Sep 15	Oct 15	Nov 15	Dec 15	TOTAL
1	RESIDENTIAL ENERGY MANAGEMENT - SUMMARY (ITEMIZED BELOW)													
2	EXPENDITURES BOOKED DIRECTLY TO PLANT	\$39,150	\$10,620	\$17,159	\$91,469	\$483	\$3,325	\$146,108	\$464,000	\$424,000	\$424,000	\$923,613	\$460,048	\$3,003,976
3	RETIREMENTS	98,656	116,714	120,805	176,597	153,708	121,741	216,004	262,314	320,058	115,125	276,163	155,402	2,133,287
4	INVESTMENTS BOOKED TO CWIP	502,015	204,296	482,661	777,217	801,689	929,082	888,771	261,701	256,891	300,750	0	0	5,405,072
5	CLOSINGS TO PLANT	0	0	0	(88,254)	0	0	0	0	0	0	20,713,602	0	20,625,348
6	DEPRECIATION BASE	46,663,833	46,581,034	46,476,163	46,337,649	46,174,346	46,038,525	45,944,370	46,010,265	46,163,079	46,369,487	57,204,450	68,037,300	
7														
8	DEPRECIATION EXPENSE (itemized below)	\$462,970	\$461,589	\$459,841	\$458,268	\$424,731	\$452,966	\$451,397	\$452,495	\$455,042	\$458,482	\$637,949	\$817,381	5,993,111
9														
10	CUMULATIVE PLANT INVEST.	\$46,693,585	\$46,634,079	\$46,527,986	\$46,424,339	\$46,250,958	\$46,097,733	\$45,979,316	\$45,909,421	\$46,111,107	\$46,215,049	\$46,523,924	\$67,884,976	\$68,189,622
11	LESS: ACC. NET DEPR	10,485,372	10,849,686	11,194,562	11,533,597	11,815,268	12,086,291	12,417,516	12,652,909	12,843,090	12,978,074	13,321,431	13,683,217	14,345,196
12	CUMULATIVE CWIP INVEST.	15,220,276	15,722,291	15,926,587	16,409,248	17,274,719	18,076,408	19,005,489	19,894,260	20,155,961	20,412,852	20,713,602	0	0
13	NET PLANT INVESTMENT	51,428,489	51,506,684	51,260,011	51,299,990	51,710,408	52,087,850	52,567,290	53,150,772	53,423,978	53,649,827	53,916,095	54,201,759	53,844,426
14	AVERAGE INVESTMENT	51,467,587	51,383,348	51,280,001	51,505,199	51,899,129	52,327,570	52,859,031	53,287,375	53,536,903	53,782,961	54,058,927	54,023,093	
15	RETURN ON AVG INVEST	303,658	303,162	302,553	303,881	306,205	308,733	314,956	317,509	318,993	320,461	322,106	321,891	3,744,108
16														
17	RETURN REQUIREMENTS	\$440,485	\$439,764	\$438,881	\$440,809	\$444,179	\$447,848	\$456,593	\$460,293	\$462,444	\$464,572	\$466,959	\$466,646	5,429,473
18														
19	PROGRAM TOTAL	\$903,455	\$901,353	\$898,722	\$899,077	\$868,910	\$900,814	\$907,990	\$912,788	\$917,486	\$923,054	\$1,104,908	\$1,284,027	\$11,422,584
20														
21	RESIDENTIAL ENERGY MANAGEMENT - NGDR HARDWARE FOR ODS, LMS, APPDEV. ALSO INCLUDES NGDR TELECOM. (D)													
22	INVESTMENTS BOOKED DIRECTLY TO PLANT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
23	RETIREMENTS	0	0	0	0	0	0	0	0	0	0	0	0	0
24	INVESTMENTS BOOKED TO CWIP	0	0	0	0	0	0	0	0	0	0	0	0	0
25	CLOSINGS TO PLANT	0	0	0	(88,254)	0	0	0	0	0	0	469,833	0	381,579
26	DEPRECIATION BASE	10,205,812	10,205,812	10,205,812	10,161,685	10,117,558	10,117,558	10,117,558	10,117,558	10,117,558	10,117,558	10,352,474	10,587,391	
27														
28	DEPRECIATION EXPENSE	118,876	118,876	118,876	118,876	87,325	117,824	117,824	117,824	117,824	117,824	120,623	123,422	1,395,994
29														
30	CUMULATIVE PLANT INVEST.	10,205,812	10,205,812	10,205,812	10,205,812	10,117,558	10,117,558	10,117,558	10,117,558	10,117,558	10,117,558	10,587,391	10,587,391	10,587,391
31	LESS: ACC. NET DEPR	1,609,245	1,728,121	1,846,997	1,965,873	2,084,749	2,172,074	2,289,898	2,407,722	2,525,546	2,643,370	2,761,194	2,881,817	3,005,239
32	CUMULATIVE CWIP INVEST.	381,579	381,579	381,579	381,579	469,833	469,833	469,833	469,833	469,833	469,833	469,833	0	0
33	NET PLANT INVESTMENT	8,978,146	8,859,270	8,740,394	8,621,518	8,502,642	8,415,317	8,297,493	8,179,669	8,061,845	7,944,021	7,826,197	7,705,574	7,582,152
34	AVERAGE INVESTMENT	8,918,708	8,799,832	8,680,956	8,562,080	8,458,980	8,356,405	8,238,581	8,120,757	8,002,933	7,885,109	7,765,886	7,643,863	
35	RETURN ON AVG INVEST	52,621	51,919	51,218	50,516	49,908	49,303	49,089	48,387	47,685	46,982	46,273	45,545	589,446
36														
37	RETURN REQUIREMENTS	76,332	75,313	74,296	73,279	72,396	71,519	71,165	70,147	69,129	68,110	67,082	66,027	854,795
38														
39	PROGRAM TOTAL	\$195,208	\$194,189	\$193,172	\$192,155	\$159,721	\$189,343	\$188,989	\$187,971	\$186,953	\$185,934	\$187,705	\$189,449	\$2,250,789

NOTES:

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- RETURN REQUIREMENTS ARE CALCULATED USING A COMBINED STATUTORY TAX RATE OF 38.575%
- DEPRECIATION EXPENSE IN LINE 28 IS CALCULATED USING A BLENDED RATE.

DUKE ENERGY FLORIDA
SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION & RETURN
FOR THE PERIOD JANUARY 2015 THROUGH DECEMBER 2015

DOCKET NO. 150002-EG
DUKE ENERGY FLORIDA
LORI J. CROSS
EXHIBIT NO. _____ (LJC-1P)
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LINE NO.	BEGINNING BALANCE	Jan 15	Feb 15	Mar 15	Apr 15	May 15	Jun 15	Jul 15	Aug 15	Sep 15	Oct 15	Nov 15	Dec 15	TOTAL	
1	RESIDENTIAL ENERGY MANAGEMENT - NGDR SOFTWARE FOR ODS, LMS, APPDEV (D)														
2		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	619,613	236,048	\$855,661	
3	EXPENDITURES BOOKED DIRECTLY TO PLANT														
4	RETIREMENTS	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	INVESTMENTS BOOKED TO CWIP	491,142	200,749	418,685	571,872	512,165	343,939	768,903	261,701	256,891	300,750	0	0	4,126,798	
6	CLOSINGS TO PLANT	0	0	0	0	0	0	0	0	0	0	11,123,023	0	11,123,023	
7	DEPRECIATION BASE	6,524,778	6,524,778	6,524,778	6,524,778	6,524,778	6,524,778	6,524,778	6,524,778	6,524,778	6,524,778	12,396,096	18,385,438		
8	DEPRECIATION EXPENSE (20% rate)	108,747	108,747	108,747	108,747	108,747	108,747	108,747	108,747	108,747	108,747	206,602	306,425	1,600,497	
9															
10	CUMULATIVE PLANT INVEST.	6,524,778	6,524,778	6,524,778	6,524,778	6,524,778	6,524,778	6,524,778	6,524,778	6,524,778	6,524,778	18,267,414	18,503,462	18,503,462	
11	LESS: ACC. NET DEPR	1,472,258	1,581,005	1,689,752	1,798,499	2,015,993	2,124,740	2,233,487	2,342,234	2,450,981	2,559,728	2,766,330	3,072,755	3,072,755	
12	CUMULATIVE CWIP INVEST.	6,996,225	7,487,367	7,688,116	8,106,801	8,678,674	9,190,839	9,534,778	10,303,681	10,565,382	10,822,273	11,123,023	-	-	
13	NET PLANT INVESTMENT	12,048,745	12,431,140	12,523,142	12,833,080	13,296,205	13,699,623	13,934,816	14,594,972	14,747,926	14,896,070	15,088,073	15,501,084	15,430,707	
14	AVERAGE INVESTMENT		12,239,942	12,477,141	12,678,111	13,064,643	13,497,914	13,817,220	14,264,894	14,671,449	14,821,998	14,992,071	15,294,578	15,465,895	
15	RETURN ON AVG INVEST		72,215	73,615	74,801	77,082	79,638	81,521	84,996	87,419	88,315	89,329	91,131	92,152	
16															
17	RETURN REQUIREMENTS		104,755	106,785	108,506	111,815	115,523	118,254	123,219	126,731	128,030	129,500	132,113	133,593	
18															
19	PROGRAM TOTAL		\$213,502	\$215,532	\$217,253	\$220,562	\$224,270	\$227,001	\$231,966	\$235,478	\$236,777	\$238,247	\$338,715	\$440,018	\$3,039,321
20															
21	RESIDENTIAL ENERGY MANAGEMENT - NGDR AMI METERS (D)														
22	EXPENDITURES BOOKED DIRECTLY TO PLANT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
23	RETIREMENTS	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	INVESTMENTS BOOKED TO CWIP	0	0	0	0	0	0	0	0	0	0	0	0	0	
25	CLOSINGS TO PLANT	0	0	0	0	0	0	0	0	0	0	0	0	0	
26	DEPRECIATION BASE	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	
27															
28	DEPRECIATION EXPENSE (5.97% rate)	112,142	112,142	112,142	112,142	112,142	112,142	112,142	112,142	112,142	112,142	112,142	112,142	1,345,704	
29															
30	CUMULATIVE PLANT INVEST.	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	
31	LESS: ACC. NET DEPR	2,515,103	2,627,245	2,739,387	2,851,529	2,963,671	3,075,813	3,187,955	3,300,097	3,412,239	3,524,381	3,636,523	3,748,665	3,860,807	
32	CUMULATIVE CWIP INVEST.	0	0	0	0	0	0	0	0	0	0	0	0	0	
33	NET PLANT INVESTMENT	20,025,909	19,913,767	19,801,625	19,689,483	19,577,341	19,465,199	19,353,057	19,240,915	19,128,773	19,016,631	18,904,489	18,792,347	18,680,205	
34	AVERAGE INVESTMENT		19,969,838	19,857,696	19,745,554	19,633,412	19,521,270	19,409,128	19,296,986	19,184,844	19,072,702	18,960,560	18,848,418	18,736,276	
35	RETURN ON AVG INVEST		117,822	117,161	116,499	115,837	115,175	114,514	114,979	114,311	113,642	112,975	112,307	111,638	
36															
37	RETURN REQUIREMENTS		170,912	169,953	168,993	168,033	167,072	166,114	166,685	165,717	164,747	163,780	162,812	161,842	
38															
39	PROGRAM TOTAL		\$283,054	\$282,095	\$281,135	\$280,175	\$279,214	\$278,256	\$278,827	\$277,859	\$276,889	\$275,922	\$274,954	\$273,984	\$3,342,364

NOTES:

- JAN-JUN RETURN ON AVERAGE INVESTMENT IS CALCULATED USING AN ANNUAL RATE OF 7.08% BASED ON MAY 2014 EARNING SURVEILLANCE REPORT PER ORDER PSC-12-0425.
- JUL-DEC RETURN ON AVERAGE INVESTMENT IS CALCULATED USING AN ANNUAL RATE OF 7.15% BASED ON MAY 2015 EARNING SURVEILLANCE REPORT PER ORDER PSC-12-0425.
- RETURN REQUIREMENTS ARE CALCULATED USING A COMBINED STATUTORY TAX RATE OF 38.575%

DUKE ENERGY FLORIDA
SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION & RETURN
FOR THE PERIOD JANUARY 2015 THROUGH DECEMBER 2015

DOCKET NO. 150002-EG
DUKE ENERGY FLORIDA
LORI J. CROSS
EXHIBIT NO. _____ (LJC-1P)
SCHEDULE C-3
PAGE 10 OF 12

LINE NO.	BEGINNING BALANCE	Jan 15	Feb 15	Mar 15	Apr 15	May 15	Jun 15	Jul 15	Aug 15	Sep 15	Oct 15	Nov 15	Dec 15	TOTAL
1	RESIDENTIAL ENERGY MANAGEMENT - NON-NGDR RESIDENTIAL PROJECTS (D)													
2	EXPENDITURES BOOKED DIRECTLY TO PLANT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	RETIREMENTS	33,316	34,571	0	0	0	0	0	0	0	0	0	0	67,887
4	INVESTMENTS BOOKED TO CWIP	0	0	0	0	0	0	0	0	0	0	0	0	0
5	CLOSINGS TO PLANT	0	0	0	0	0	0	0	0	0	0	0	0	0
6	DEPRECIATION BASE	153,635	119,692	102,406	102,406	102,406	102,406	102,406	102,406	102,406	102,406	102,406	102,406	
7														
8	DEPRECIATION EXPENSE (20% rate)	2,561	1,995	1,707	1,707	1,707	1,707	1,707	1,707	1,707	1,707	1,707	1,707	21,626
9														
10	CUMULATIVE PLANT INVEST.	170,293	136,977	102,406	102,406	102,406	102,406	102,406	102,406	102,406	102,406	102,406	102,406	102,406
11	LESS: ACC. NET DEPR	122,676	91,921	59,345	61,052	62,759	64,466	66,173	67,880	69,587	71,294	73,001	74,708	76,415
12	CUMULATIVE CWIP INVEST.	0	0	0	0	0	0	0	0	0	0	0	0	0
13	NET PLANT INVESTMENT	47,617	45,056	43,061	41,354	39,647	36,233	34,526	32,819	31,112	29,405	27,698	25,991	25,991
14	AVERAGE INVESTMENT		46,336	44,058	42,207	40,500	38,793	37,086	35,379	33,672	31,965	28,551	26,844	
15	RETURN ON AVG INVEST		273	260	249	239	229	219	211	201	190	170	160	2,581
16														
17	RETURN REQUIREMENTS		396	377	361	346	332	318	306	291	275	261	247	3,742
18														
19	PROGRAM TOTAL		\$2,957	\$2,372	\$2,068	\$2,053	\$2,039	\$2,025	\$2,013	\$1,998	\$1,982	\$1,968	\$1,939	\$25,368
20														
21	RESIDENTIAL ENERGY MANAGEMENT - LOAD MANAGEMENT SWITCHES (9080120) (D)													
22	EXPENDITURES BOOKED DIRECTLY TO PLANT	\$39,150	\$10,620	\$17,159	\$91,469	\$483	\$3,325	\$146,108	\$464,000	\$424,000	\$424,000	\$304,000	\$224,000	\$2,148,315
23	RETIREMENTS	65,340	82,143	120,805	176,597	153,708	121,741	216,004	262,314	320,058	115,125	276,163	155,402	2,065,400
24	INVESTMENTS BOOKED TO CWIP	10,874	3,547	63,976	205,345	289,523	585,142	119,868	0	0	0	0	0	1,278,274
25	CLOSINGS TO PLANT	0	0	0	0	0	0	0	0	0	0	9,120,746	0	9,120,746
26	AMORTIZATION BASE	7,238,596	7,189,740	7,102,155	7,007,768	6,888,592	6,752,771	6,658,616	6,724,511	6,877,325	7,083,733	11,812,462	16,421,053	
27														
28	AMORTIZATION EXPENSE (20% rate)	120,644	119,829	118,369	116,796	114,810	112,546	110,977	112,075	114,622	118,062	196,875	273,685	1,629,290
29														
30	CUMULATIVE PLANT INVEST.	7,251,691	7,225,501	7,153,978	7,050,332	6,965,204	6,811,980	6,693,563	6,623,668	6,825,354	6,929,296	7,238,171	16,386,753	16,455,352
31	LESS: ACC. AMORT.	4,766,090	4,821,394	4,859,081	4,856,644	4,796,843	4,757,945	4,748,750	4,643,723	4,493,484	4,288,048	4,290,985	4,211,697	4,329,980
32	CUMULATIVE CWIP INVEST.	7,842,472	7,853,345	7,856,892	7,920,867	8,126,212	8,415,736	9,000,878	9,120,746	9,120,746	9,120,746	9,120,746	0	0
33	NET PLANT INVESTMENT	10,328,072	10,257,452	10,151,790	10,114,555	10,294,573	10,469,770	10,945,691	11,100,691	11,452,616	11,761,994	12,067,932	12,175,057	12,125,372
34	AVERAGE INVESTMENT		10,292,762	10,204,621	10,133,172	10,204,564	10,382,172	10,707,731	11,023,191	11,276,653	11,607,305	11,914,963	12,121,494	12,150,214
35	RETURN ON AVG. INVEST.		60,727	60,207	59,786	60,207	61,255	63,176	65,681	67,191	69,161	70,995	72,225	783,007
36														
37	RETURN REQUIREMENTS		88,090	87,336	86,725	87,336	88,856	91,643	95,218	97,407	100,263	102,921	104,705	1,135,452
38														
39	PROGRAM TOTAL		\$208,734	\$207,165	\$205,094	\$204,132	\$203,666	\$204,189	\$206,195	\$209,482	\$214,885	\$220,983	\$301,580	\$378,637
40														
41	SUMMARY OF DEMAND & ENERGY:													
42														
43	ENERGY	\$ 5,010	\$ 4,418	\$ 4,279	\$ 4,239	\$ 4,197	\$ 3,662	\$ 3,645	\$ 3,624	\$ 3,602	\$ 3,580	\$ 3,415	\$ 3,227	\$ 46,897
44	DEMAND	912,345	910,180	907,537	907,879	877,645	909,485	916,606	921,341	926,219	931,967	1,113,753	1,292,803	11,527,760
45	TOTAL DEPRECIATION AND RETURN	\$ 917,355	\$ 914,598	\$ 911,816	\$ 912,118	\$ 881,842	\$ 913,147	\$ 920,251	\$ 924,965	\$ 929,821	\$ 935,547	\$ 1,117,168	\$ 1,296,030	\$ 11,574,657

NOTES:

- JAN-JUN RETURN ON AVERAGE INVESTMENT IS CALCULATED USING AN ANNUAL RATE OF 7.08% BASED ON MAY 2014 EARNING SURVEILLANCE REPORT PER ORDER PSC-12-0425.
- JUL-DEC RETURN ON AVERAGE INVESTMENT IS CALCULATED USING AN ANNUAL RATE OF 7.15% BASED ON MAY 2015 EARNING SURVEILLANCE REPORT PER ORDER PSC-12-0425.
- RETURN REQUIREMENTS ARE CALCULATED USING A COMBINED STATUTORY TAX RATE OF 38.575%

DUKE ENERGY FLORIDA
 CALCULATION OF INTEREST PROVISION
 FOR THE PERIOD JANUARY 2015 THROUGH DECEMBER 2015

DOCKET NO. 150002-EG
 DUKE ENERGY FLORIDA
 LORI J. CROSS
 EXHIBIT NO. _____ (LJC-1P)
 SCHEDULE C-3
 PAGE 12 OF 12

LINE NO.	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	TOTAL FOR THE PERIOD
1 BEGINNING TRUE-UP AMOUNT (C3,PAGE 11, LINE 9 & 10)	(24,443,630)	(22,779,328)	(20,885,470)	(18,862,098)	(17,893,877)	(16,996,385)	(15,209,582)	(14,648,507)	(13,483,753)	(12,483,707)	(10,662,510)	(7,354,557)	
2 ENDING TRUE-UP AMOUNT BEFORE INTEREST	(22,777,360)	(20,883,742)	(18,860,608)	(17,892,728)	(16,995,222)	(15,208,374)	(14,647,325)	(13,482,464)	(12,482,517)	(10,661,449)	(7,353,731)	(3,318,113)	
3 TOTAL BEGINNING & ENDING TRUE-UP	(47,220,990)	(43,663,070)	(39,746,077)	(36,754,826)	(34,889,099)	(32,204,759)	(29,856,907)	(28,130,971)	(25,966,270)	(23,145,155)	(18,016,241)	(10,672,670)	
4 AVERAGE TRUE-UP AMOUNT (50% OF LINE 3)	(23,610,495)	(21,831,535)	(19,873,039)	(18,377,413)	(17,444,550)	(16,102,380)	(14,928,454)	(14,065,486)	(12,983,135)	(11,572,578)	(9,008,120)	(5,336,335)	
5 INTEREST RATE: FIRST DAY REPORTING BUSINESS MONTH	0.10%	0.10%	0.09%	0.09%	0.06%	0.10%	0.08%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%
6 INTEREST RATE: FIRST DAY SUBSEQUENT BUSINESS MONTH	0.10%	0.09%	0.09%	0.06%	0.10%	0.08%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%
7 TOTAL (LINE 5 AND LINE 6)	0.20%	0.19%	0.18%	0.15%	0.16%	0.18%	0.19%	0.22%	0.22%	0.22%	0.22%	0.22%	0.22%
8 AVERAGE INTEREST RATE (50% OF LINE 7)	0.100%	0.095%	0.090%	0.075%	0.080%	0.090%	0.095%	0.110%	0.110%	0.110%	0.110%	0.110%	0.110%
9 INTEREST PROVISION (LINE 4 * LINE 8) / 12	(1,968)	(1,728)	(1,490)	(1,149)	(1,163)	(1,208)	(1,182)	(1,289)	(1,190)	(1,061)	(826)	(489)	(14,743)

DUKE ENERGY FLORIDA
ENERGY CONSERVATION ADJUSTMENT
CALCULATION OF TRUE-UP
FOR THE PERIOD JANUARY 2015 THROUGH DECEMBER 2015

DOCKET NO. 150002-EG
DUKE ENERGY FLORIDA
LORI J. CROSS
EXHIBIT NO. _____ (LJC-1P)
SCHEDULE C-3
PAGE 11 OF 12

LINE NO.	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	TOTAL FOR THE PERIOD
1A BETTER BUSINESS	0	0	0	0	0	0	0	0	0	0	0	0	0
1B HOME ENERGY IMPROVEMENT	0	0	0	0	0	0	0	0	0	0	0	0	0
1C HOME ENERGY CHECK	0	0	0	0	0	0	0	0	0	0	0	0	0
1D SUBTOTAL - FEES	0	0	0	0	0	0	0	0	0	0	0	0	0
2 CONSERVATION CLAUSE REVENUES	6,253,625	6,326,472	6,819,632	6,820,679	7,323,491	8,325,564	8,752,911	8,764,370	8,934,031	8,118,736	6,813,836	6,265,033	89,518,382
2A CURRENT PERIOD GRT REFUND	0	0	0	0	0	0	0	0	0	0	0	0	0
3 TOTAL REVENUES	6,253,625	6,326,472	6,819,632	6,820,679	7,323,491	8,325,564	8,752,911	8,764,370	8,934,031	8,118,736	6,813,836	6,265,033	89,518,382
4 PRIOR PERIOD TRUE-UP OVER/(UNDER)	2,036,969	2,036,969	2,036,969	2,036,969	2,036,969	2,036,969	2,036,969	2,036,969	2,036,969	2,036,969	2,036,969	2,036,969	24,443,628
5 CONSERVATION REVENUES APPLICABLE TO PERIOD	8,290,594	8,363,441	8,856,601	8,857,648	9,360,460	10,362,533	10,789,880	10,801,339	10,971,000	10,155,705	8,850,805	8,302,002	113,962,010
6 CONSERVATION EXPENSES (C-3,PAGE 4, LINE 37)	7,919,895	8,222,058	8,844,494	7,790,048	8,222,146	10,113,575	9,315,168	9,930,412	9,935,268	9,940,994	10,122,615	10,301,477	110,658,153
7 TRUE-UP THIS PERIOD (O)/U	(370,699)	(141,383)	(12,107)	(1,067,599)	(1,138,314)	(248,958)	(1,474,712)	(870,926)	(1,035,732)	(214,711)	1,271,810	1,999,475	(3,303,857)
8 CURRENT PERIOD INTEREST	(1,968)	(1,728)	(1,490)	(1,149)	(1,163)	(1,208)	(1,182)	(1,289)	(1,190)	(1,061)	(826)	(489)	(14,743)
9 ADJUSTMENTS PER AUDIT	0	0	0	0	0	0	0	0	0	0	0	0	0
10 TRUE-UP & INTEREST PROVISIONS BEGINNING OF PERIOD	(24,443,630)	(22,779,328)	(20,885,470)	(18,862,098)	(17,893,877)	(16,996,385)	(15,209,582)	(14,648,507)	(13,483,753)	(12,483,707)	(10,662,510)	(7,354,557)	(24,443,630)
10 A CURRENT PERIOD GRT REFUNDED	0	0	0	0	0	0	0	0	0	0	0	0	0
11 PRIOR TRUE-UP (REFUNDED)/ COLLECTED	2,036,969	2,036,969	2,036,969	2,036,969	2,036,969	2,036,969	2,036,969	2,036,969	2,036,969	2,036,969	2,036,969	2,036,969	24,443,628
12 END OF PERIOD NET TRUE-UP	(22,779,328)	(20,885,470)	(18,862,098)	(17,893,877)	(16,996,385)	(15,209,582)	(14,648,507)	(13,483,753)	(12,483,707)	(10,662,510)	(7,354,557)	(3,318,602)	(3,318,602)

CALCULATION OF ENERGY CONSERVATION COST RECOVERY (ECCR) REVENUES
FOR THE PERIOD: JANUARY 2016 THROUGH DECEMBER 2016

<u>MONTH</u>	<u>JURISDICTIONAL MWH SALES</u>	<u>CLAUSE REVENUE NET OF REVENUE TAXES</u>
JANUARY	2,825,331	\$7,982,117
FEBRUARY	2,771,409	\$8,026,711
MARCH	2,678,644	\$7,523,630
APRIL	2,804,352	\$7,932,531
MAY	2,877,535	\$8,041,324
JUNE	3,431,289	\$9,834,304
JULY	3,725,640	\$10,628,765
AUGUST	3,758,468	\$10,737,826
SEPTEMBER	3,964,100	\$11,453,405
OCTOBER	3,520,478	\$9,992,637
NOVEMBER	2,897,712	\$8,217,053
DECEMBER	2,667,233	\$7,441,452
TOTAL	<u><u>37,922,191</u></u>	<u><u>\$107,811,754</u></u>

Program Description and Progress

Program Title: Home Energy Check

Program Description: The Home Energy Check is a residential energy audit program that provides residential customers with an analysis of their energy consumption as well as educational information on how to reduce energy usage and save money. The audit provides DEF the opportunity to promote and directly install cost-effective measures in customers' homes while also educating and encouraging customers to implement energy-saving practices

Program Projections for January 2016 through December 2016: It is estimated that 34,516 customers will participate in this program during the projection period.

Program Fiscal Costs for January 2016 through December 2016: Costs for this program are projected to be \$5,901,326.

Program Progress Summary: As of year-to-date, July 31, 2015, there have been 18,617 customers that have participated in this program. The Home Energy Check will continue to inform and motivate consumers on cost effective energy efficiency improvements which result in implementation of energy efficiency measures.

Program Description and Progress

Program Title: Home Energy Improvement

Program Description: The Home Energy Improvement Program is designed to provide incentives to residential customers for energy efficiency improvements. This program includes measures for energy efficiency improvements for both existing homes and new homes. DEF offers energy efficiency measures for various types of homes through this program including single family, multi-family and manufactured homes. . The Home Energy Improvement program includes incentives for measures such as: duct testing, duct leakage 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 for January 2016 through December 2016: It is estimated that 18,021 completions will be performed in this program during the projection period.

Program Fiscal Costs for January 2016 through December 2016: Costs for this program are projected to be \$6,992,277.

Program Progress Summary: As of year-to-date, July 31, 2015, there have been 16,204 measure installations that have taken place in the current year as a result of this program.

Program Description and Progress

Program Title: Residential New Construction (Home Advantage)

Program Description: The Home Advantage Program promotes energy-efficient construction which exceeds the Florida Energy Code. Information, education, and consultation are provided to homebuilders, contractors, realtors and home buyers on energy-related issues and efficiency measures. This program is designed to encourage single family, multi-family, and manufactured home builders to build more energy efficiently by encouraging a whole house performance view including the installation of climate effective windows, reflective roof materials, upgraded insulation, energy recovery ventilation, highly efficient HVAC equipment, and HVAC commissioning. Incentives are awarded to the builder based on the level of efficiency they choose including Energy Star Certification process. Effective January 1, 2016, residential new construction measures will be included in the Home Improvement Program and the Residential New Construction (Home Advantage) Program will no longer be a standalone program.

Program Progress Summary: As of year-to-date, July 31, 2015, there have been 16,049 measure installations that have taken place as a result of this program.

Program Description and Progress

Program Title: Neighborhood Energy Saver Program

Program Description: The Neighborhood Energy Saver Program is designed to assist low-income families with escalating energy costs. The goal is to implement a comprehensive package of electric conservation measures in the homes of income eligible customers. In addition to the installation of physical measures, another important component of this program is educating families on energy efficiency techniques and behavior modifications that will enable them to better manage their energy usage.

Program Projections January 2016 through December 2016: It is estimated that 4,500 households will participate in the Neighborhood Energy Saver Program.

Program Fiscal Costs for January 2016 through December 2016: Costs for this program are projected to be \$3,723,459.

Program Progress Summary: As of year-to-date, July 31, 2015, there have been 20,590 measures have been installed in the current year on 1,787 households.

Program Description and Progress

Program Title: Low-Income Weatherization Assistance Program

Program Description: The program goal is to partner with the Florida Department of Economic Opportunity (DEO) and local weatherization providers to deliver energy efficiency measures to low-income families. Through this partnership, Duke Energy will assist local weatherization agencies by providing energy education, energy education materials and financial incentives to weatherize the homes of low-income families.

Program Projections for January 2016 through December 2016: It is estimated that 500 households with 1,750 measures will participate in the Low-Income Weatherization Assistance Program.

Program Fiscal Costs for January 2016 through December 2016: Costs for this program are projected to be \$625,451.

Program Progress Summary: As of year-to-date, July 31, 2015, there have been 815 measures installed through this program in the current year.

Program Description and Progress

Program Title: Energy Management (Residential & Commercial)

Program Description: The Energy Management program is a voluntary program that incorporates direct radio 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. Customers have a choice of options and receive a credit on their monthly electric bills, depending on the options selected and their monthly kWh usage. The commercial program was closed to new participants as of July 20, 2000.

The current direct load control (DLC) one-way communications and appliance switching infrastructure that allows Duke Energy to shed peak demand is becoming obsolete. Major infrastructure maintenance and system upgrades are necessary to continue to ensure the availability of the existing direct load control capacity and to support additional capacity in the future.

Duke Energy's existing system is a one-way communications (paging) direct load control program with no direct feedback. It provides Duke Energy with about 660 MW of Winter and 330 MW of Summer load reduction. Close to 400,000 customers currently participate in the program requiring over 520,000 control switches, the majority being original analog switches.

Duke Energy has selected and is utilizing a new two-way direct load control device for new Residential Energy Management participants. Duke Energy has also selected a new Load Management System which provides control functionality for the new two-way control devices as well as asset management and system maintenance capabilities. The new Load Management System and two-way load control devices will operate in parallel with the existing legacy system during the transition period to provide a seamless migration from the legacy system to the new two-way system.

Program Projections for January 2016 through December 2016: During this period DEF anticipates adding 8,700 new participants to our current portfolio of approximately 400,000 participants contributing over 650 MW of winter and 350 MW of summer load reduction.

Program Description and Progress

Program Fiscal Costs for January 2016 through December 2016: Program costs during this period are projected to be \$45,258,394.

Program Progress Summary: As of July 31, 2015, there were 411,935 customers participating in the Energy Management program. Through year-to-date, July 31, 2015, a total of 1,532 new participant installations have been completed.

Program Description and Progress

Program Title: Business Energy Check

Program Description: The Business Energy Check is a no-cost energy audit for non-residential facilities. This audit can be completed over the phone or at the customer's facility by a qualified Duke Energy Assessor. This program acts as a motivational tool to identify, evaluate, and inform consumers on cost effective energy saving measures for their facility. The Business Energy Check serves as the foundation of the Better Business Program.

Program Projections for January 2016 through December 2016: It is estimated that 1,847 customers will participate in this program during the projection period.

Program Fiscal Costs for January 2016 through December 2016: Costs for this program are projected to be \$1,196,174.

Program Progress Summary: As of year-to-date, July 31, 2015, there have been 942 customers that have participated in this program in the current year. The Business Energy Check will continue to inform and motivate non-residential consumers on cost effective energy efficiency improvements which result in implementation of energy efficiency measures.

Program Description and Progress

Program Title: Better Business

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

Program Projections for January 2016 through December 2016: It is estimated that 1,789 measure installations will take place as a result of this program during the projection period.

Program Fiscal Costs for January 2016 through December 2016: Costs for this program are projected to be \$2,800,459.

Program Progress Summary: As of year-to-date, July 31, 2015, there have been 515 measure installations that have taken place as a result of this program in the current year. This program will continue to provide non-residential customers with opportunities for improving the energy efficiency of existing facilities.

Program Description and Progress

Program Title: Commercial/Industrial New Construction

Program Description: This umbrella efficiency program provides incentives to new Commercial and Industrial facilities for: high efficiency HVAC equipment, high efficiency motors, compressed air, roof insulation, cool roof, green roof, demand-control ventilation, high efficiency energy recovery ventilation, and lighting. This program provides information, education, and advice on energy-related issues and efficiency measures by involvement early in the building's design process. Effective January 1, 2016, this will no longer be a standalone program. New Construction measures will become part of the Better Business Program and the Florida Incentive Custom Program.

Program Progress Summary As of year-to-date, July 31, 2015, there have been 66 measure installations that have taken place as a result of this program.

Program Description and Progress

Program Title: Florida Custom Incentive Program (formerly known as Innovation Incentive Program)

Program Description: The objective of the Florida Custom Incentive Program is to encourage customers to make capital investments for the installation of energy efficiency measures which reduce peak KW and energy on the Duke Energy Florida (DEF) electric grid. This program offers customized incentives specifically designed for individual custom projects which are not otherwise addressed by existing DEF Demand Side Management programs.

Representative 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 for January 2016 through December 2016: It is estimated that 37 customers will participate in the program during the projection period.

Program Fiscal Costs for January 2016 through December 2016: Costs for this program are projected to be \$661,396.

Program Progress Summary: As of year-to-date July 31, 2015, there has been 1 customer that has participated in this program. This program continues to recognize specialized energy efficiency measures not covered through the company's other DSM programs.

Program Description and Progress

Program Title: Standby Generation

Program Description: Duke Energy provides an incentive for customers who, when notified by Duke Energy, voluntarily operate their on-site generation during times of system peak.

Program Projections for January 2016 through December 2016: It is estimated that 10 new installations will be completed during the projection period.

Program Fiscal Costs for January 2016 through December 2016: Expenses for this program are projected to be \$6,512,180.

Program Progress Summary: As of July 31, 2015, there were 268 accounts participating in this program.

Program Description and Progress

Program Title: Interruptible Service

Program Description: The Interruptible Service rate is a dispatchable DSM program in which customers contract to allow Duke Energy to switch off electrical service to customers during times of capacity shortages. In return for permitting interruption to their service, the customers receive a monthly credit on their bill based on their monthly peak demand.

Program Projections for January 2016 through December 2016: 1 new account is estimated to sign up during the projection period.

Program Fiscal Costs for January 2016 through December 2016: Costs for this program are projected to be \$30,952,263.

Program Progress Summary: As of July 31, 2015, this program had 132 accounts participating. The original program filed as the IS-1 and IST-1 tariff are no longer cost-effective under the Commission approved test and were closed on April 16, 1996. Customers who were participating in these programs at the time of closure were grandfathered into the program. New participants are placed on the IS-2 and IST-2 tariffs. IS-2 and IST-2 tariffs were approved in 2012 resulting in increased incentives effective January 1, 2013.

Program Description and Progress

Program Title: Curtailable Service

Program Description: The Curtailable Service rate is a dispatchable DSM program in which customers contract to curtail or shut down a portion of their electric load during times of capacity shortages. The curtailment is managed by the customer when notified by Duke Energy. In return for this cooperation, the customer receives a monthly rebate for the curtailable portion of their load.

Program Projections for January 2016 through December 2016: No new participants are expected during the projection period.

Program Fiscal Costs for January 2016 through December 2016: Costs for this program are projected to be \$1,550,388.

Program Progress Summary: As of July 31, 2015, this program had 4 accounts participating. The original program filed as the CS-1 tariff is no longer cost-effective under the Commission approved test and was closed on April 16, 1996. Existing participants were grandfathered into the program. New participants are placed on the CS-2, CST-2, CS-3, or CST-3 tariffs. CS-2, CST-2, CS-3 and CST-3 rates were approved in 2012 resulting in increased incentives effective January 1, 2013.

Program Description and Progress

Program Title: Solar Water Heater for Low Income Residential Customers Pilot

Program Description: This program is a customer renewable energy measure designed to assist low-income families with energy costs by incorporating a solar thermal water heating system in their residence while it is under construction. The solar thermal system will be provided at no cost to the non-profit builders or the residential participants. This program was implemented in 2011, and will continue to be offered in Duke Energy Florida's service territories through 2015.

Program Progress Summary: As of year-to-date, July 31, 2015, there were a total of 14 customer additions to the Solar Water Heater for Low Income Pilot program in the current year.

Program Description and Progress

Program Title: Solar Water Heater with Energy Management

Program Description: This pilot program encourages residential customers to install a solar thermal water heating system. This program was developed in collaboration with the solar industry. Additionally, the pilot program promotes the installation of renewable energy on energy efficient homes by requiring customers to complete a Home Energy Check before the solar thermal system is installed. To receive the one-time \$550 incentive, the heating, air conditioning, and water heating systems must be on the Energy Management program and the solar thermal system must provide a minimum of 50% of the water heating load. This program was implemented in 2011, along with a new online application process and will continue to be offered in Duke Energy Florida's service territories through 2015.

Program Progress Summary: As of year-to-date, July 31, 2015, an additional 166 customers participated in the Solar Water Heater with Energy Management program.

Program Description and Progress

Program Title: Residential Solar Photovoltaic Pilot

Program Description: This pilot program encourages residential customers to install new solar photovoltaic (PV) systems on their home. Additionally, the pilot program promotes the installation of renewable energy on energy efficient homes by requiring customers to complete a Home Energy Check before the PV system is installed. The pilot program design includes an annual reservation process for pre-approval to ensure the incentive funds are available for participation. Participants can receive a rebate up to \$2.00 per Watt of the PV dc power rating up to a \$20,000 maximum for installing a new PV system. This program was implemented in 2011, along with a new online application process and will continue to be offered in Duke Energy Florida's service territories through 2015.

Program Progress Summary: As of year-to-date, July 31, 2015, 119 measure completions have taken place in the current year as a result of this program.

Program Description and Progress

Program Title: Commercial Solar Photovoltaic Pilot

Program Description: This pilot program encourages commercial customers to install new solar photovoltaic (PV) systems on their facilities. Additionally, the pilot program promotes the installation of renewable energy on energy efficient businesses by requiring customers to complete a Business Energy Check prior to installation. The pilot program design includes an annual reservation process for pre-approval to ensure the incentive funds are available for participation. Participants can receive a rebate up to \$2.00 per Watt of the PV dc power rating for the first 10 kW, \$1.50 per Watt for 11 kW to 50 kW, and \$1.00 per Watt for 51 kW to 100 kW, up to a \$130,000 maximum for installing a new PV system. This program was implemented in 2011, along with a new online application process and will continue to be offered in Duke Energy Florida's service territories through 2015.

Program Progress Summary: As of year-to-date July 31, 2015, five measure completions have taken place in the current year as a result of this program.

Program Description and Progress

Program Title: Photovoltaic for Schools Pilot

Program Description: This pilot program is designed to promote energy education and provide participating public schools with new solar photovoltaic (PV) systems at no cost to the school. The pilot program is limited to an annual target of one system with a rating up to 100 kW installed on a post-secondary school and up to ten (10) 10 kW systems with battery backup option installed on K-12 schools, preferably those serving as emergency shelters. This program was implemented in 2011, and will continue to be offered in Duke Energy Florida's service territories through 2015.

Program Progress Summary: DEF expects to complete installations at fourteen K-12 schools in 2015.

Program Description and Progress

Program Title: Research and Demonstration Pilot

Program Description: This program's purpose is to research technology and establish R&D initiatives to support the development of renewable energy pilot programs. This program was implemented in 2011 and will continue through 2015.

Program Progress Summary: Several research projects achieved significant milestones in 2015; examples include:

- Flat Plate PV Study: The flat-plate photovoltaic (PV) performance testing project at the Solar Technology Acceleration Center (SolarTAC) is a multi-year, data-driven effort to provide unbiased field testing of a variety of commercial-scale solar PV systems under different environmental and seasonal conditions. EPRI provided an interim report on panel performance, and monitoring and analysis will continue through 2015.
- University of South Florida Renewable Energy Storage Project: This project integrated an energy storage system utilizing advanced battery technology in a stationary power system application to address the needs of a renewable energy system at the University of South Florida.
- Electric Power Research Institute (EPRI) programs: EPRI has established a growing set of research products that address the cost, performance, reliability, O&M, and other attributes of solar generation technologies. Our partnership with EPRI will continue to track the development of all major solar technology options and provide insights on technology maturity, market trends, major manufacturers, and the likely scale and timeframe of market growth. In addition, the 2015 Solar Program will look to enhance performance and reliability through field testing, demonstrations, and targeted studies that evaluate: PV variability, PV O&M, PV recycling options, inverter technologies and standards, central receiver technologies, solar augmentation, and thermal energy storage.

Program Description and Progress

Program Title: Technology Development

Program Description: This program allows Duke Energy to undertake certain development and demonstration projects which provide support for the development of cost-effective demand reduction and energy efficiency programs.

Program Projections for January 2016 through December 2016: Duke Energy has partnered with various research organizations including, the Florida Solar Energy Center, University of South Florida, and the Electric Power Research Institute 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 2016:

- EPRI Variable Capacity Heat Pump Air Conditioner
- Florida Building Automated Energy Efficiency and Demand Response
- Thermal Energy Storage Research
- Renewable SEEDS (alternative energy with storage)
- Smart Appliance Research and Demonstration
- Smart Charging for Electric Transportation
- Electric Power Research Institute (EPRI) programs (energy efficiency, energy storage, Intelligrid, electric transportation infrastructure)

Program Fiscal Costs for January 2016 through December 2016: 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:

- **EPRI Variable Capacity Heat Pump Air Conditioner:** This project was designed to study the improvements in efficiency and peak load reductions from using ultra high-efficiency heat pumps in Florida. Based on 2013 and 2014 data analysis from the participant homes, these heat pumps reduced energy use and heat strip use on peak. However, additional improvements in demand reduction may be possible by modifying controls and reducing the rating of the strip heat in these installations. Also, two new technologies will be demonstrated at two additional sites. Data collection and analysis will be performed over a 24 month period.

Program Description and Progress

- Florida Building Automated Energy Efficiency and Demand Response: This project will explore the potential for developing a Florida program for EE and DR improvements through customer energy optimization products. Working with USF, automated demand response technology has been implemented and is currently being demonstrated on the campus of the University of South Florida in St. Petersburg. Data collection and analysis will be performed over a 24-month period.
- Thermal Energy Storage Research: This project will define a plan for Duke Energy to research and evaluate the potential impacts of thermal energy storage (TES) options. This project will provide an analysis of TES impacts, ownership, and operation.
- Renewable SEEDS: This project consists of two sites with PV systems integrated with energy storage. Both of these sites are operating well and have demonstrated smoothing, energy shifting and demand response capabilities. These sites will be upgraded in 2016 to be interfaced with other distributed energy storage system(s) to demonstrate aggregation of distributed energy storage.
- Energy Management Circuit Breaker Project: This project will explore the potential for developing a Florida program for customer circuit breakers that include: communication, metering, remote operation for potential applications including energy efficiency, demand response, and integration of distributed energy resources.
- Flexible Demand Response Project: This project will explore the potential for a Florida program for utilizing advanced appliance demand response capabilities to provide additional power system benefits including frequency response and responding to the flexibility requirements of renewable generation.
- Smart charging for electric transportation: Testing will include analysis of residential and public charging, vehicle charging programs, and Electric Vehicle Supply Equipment (EVSE) control technology.
- CEA-2045 Testing Project: The CEA-2045 standard provides for a modular communications interface to residential appliances for demand management. CEA-2045 also provides standard signals for DSM to control appliances. Duke Energy Florida, with EPRI, is testing: CEA-2045 thermostats, heat pump water heaters, electric water heaters, pool pump/timers, and EVSE. DEF is also testing retrofit devices that could bring the features of CEA-2045 to ordinary appliances including water heaters, pool pumps, and electric vehicle chargers. The functionality of these devices is being verified under lab conditions and field demonstrations for program development.

Program Description and Progress

Program Title: Qualifying Facility

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

Program Projections for January 2016 through December 2016: Duke Energy Florida will continue to meet with Qualified Facility (QF) developers interested in providing renewable resources within our service territory. Project and avoided cost discussions with renewable and combined heat and power developers who are also exploring distributed generation options remain constant as the technologies advance, the market changes, and the associated policies are refined. As the number of potential QFs that engage Duke Energy Florida increase, more in depth research and analytics will be required to support good faith QF purchased power negotiations and contract structures. Duke Energy Florida will monitor the existing QF contracts under development for: construction milestones, financing status, permitting, transmission studies and agreements, insurance and Performance Security. Duke Energy Florida will continue to prudently administer all executed and in-service QF contracts for compliance.

Program Fiscal Costs for January 2016 through December 2016: Costs for this program are projected to be \$977,335.

Program Progress Summary: Duke Energy Florida has approximately 928 MW under contract from Qualifying Facilities. The total firm capacity from cogeneration facilities is 304 MW and the total firm capacity from renewable facilities is 177 MW with 57 MW of renewables delivering energy to the Company on an as-available basis. Finally, approximately 390 MW of Qualified renewables are under development.