



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

February 28, 2020

VIA ELECTRONIC FILING

Adam J. Teitzman, Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

Re: *Demand Side Management Annual Report for Calendar Year 2019*; Undocketed

Dear Mr. Teitzman:

In accordance with Rule 25-17.0021(5), Florida Administrative Code, attached please find for filing Duke Energy Florida, LLC's Demand Side Management Annual Report for calendar year 2019.

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/cmkn
Enclosures

cc: Trip Coston, FPSC Division of Economics
Judy Harlow, FPSC Division of Economics

DUKE ENERGY FLORIDA, LLC (DEF)

SUMMARY OF 2019 DEMAND SIDE MANAGEMENT ACHIEVEMENTS

The Commission Approved Goals for 2015-2024 presented in the “Comparison of Cumulative Achieved MW & GWH Reductions with Public Service Commission Established Goals” represent DEF’s annual DSM goals as established by the Commission in Order PSC-2014-0696-FOF-EU.

The Total Achievements represent the actual MW and GWH savings achieved in each of the respective years. The achievements are based on the programs and the measures included in the 2015 DSM Program Plan (Plan) that was approved by the Commission (Docket 20150083, PSC 2015-0332-PAA-EG) on August 20, 2015.

DEF’s demand side management programs delivered energy and demand savings in 2019 that significantly exceeded the Commission approved winter MW, summer MW and GWH goals for both the residential and commercial sector. For the residential sector, DEF performed 30,314 home energy audits resulting in incentives to residential customers for the installation of 23,280 energy efficiency measures. These measures are expected to provide significant savings to customers as they target heating and cooling end uses. DEF also added 6,847 residential customers to its residential demand response program. These customers will benefit from ongoing bill credits. DEF continued to promote energy efficiency to its low income residential customers through educational material and direct installation of energy efficiency measures in the homes of 4,772 customers through its Neighborhood Energy Saver Program (NES) and in the homes of 373 customers through its Low Income Weatherization Assistance Program (LIWAP).

DEF also exceeded the 2019 commercial summer MW, winter MW and GWH goals. DEF performed 565 commercial energy audits, provided incentives to commercial customers for 602 energy efficiency measures through its commercial Better Business program, and added 63 MW’s of load control through its commercial demand response programs.

DEF continues to promote and market its energy conservation programs to customers through a variety of channels including direct mail, e-mail, bill inserts, web promotions, and radio and television advertising. DEF also participates in home shows, trade shows, community events, and works through trade allies to effectively promote its portfolio of programs and educate its customers about energy efficiency.

DUKE ENERGY FLORIDA

2019

**COMPARISON OF CUMULATIVE ACHIEVED MW & GWH REDUCTIONS at the Generator
PUBLIC SERVICE COMMISSION ESTABLISHED GOALS ORDER PSC-14-0696-FOF-EU**

RESIDENTIAL									
YEAR	WINTER PEAK MW REDUCTION COMMISSION			SUMMER PEAK MW REDUCTION COMMISSION			GWH ENERGY REDUCTION COMMISSION		
	TOTAL ACHIEVED**	APPROVED GOAL*	% VARIANCE	TOTAL ACHIEVED**	APPROVED GOAL*	% VARIANCE	TOTAL ACHIEVED**	APPROVED GOAL*	% VARIANCE
2015	41	58	-29%	25	26	-4%	39	26	55%
2016	94	112	-16%	55	50	10%	87	49	76%
2017	148	160	-8%	86	73	18%	133	70	90%
2018	193	203	-5%	112	93	21%	176	87	102%
2019	239	241	-1%	138	110	25%	219	100	119%
2020		273			126			109	
2021		301			140			116	
2022		325			152			119	
2023		348			163			121	
2024		369			174			123	

COMMERCIAL / INDUSTRIAL									
YEAR	WINTER PEAK MW REDUCTION COMMISSION			SUMMER PEAK MW REDUCTION COMMISSION			GWH ENERGY REDUCTION COMMISSION		
	TOTAL ACHIEVED**	APPROVED GOAL*	% VARIANCE	TOTAL ACHIEVED**	APPROVED GOAL*	% VARIANCE	TOTAL ACHIEVED**	APPROVED GOAL*	% VARIANCE
2015	28	5	411%	35	12	191%	36	15	150%
2016	100	11	821%	120	24	409%	64	28	127%
2017	126	16	667%	172	35	397%	99	40	148%
2018	169	22	685%	232	45	419%	138	50	175%
2019	238	27	800%	323	54	501%	176	58	202%
2020		32			62			64	
2021		37			69			68	
2022		41			75			70	
2023		46			80			72	
2024		51			85			72	

Total									
YEAR	WINTER PEAK MW REDUCTION COMMISSION			SUMMER PEAK MW REDUCTION COMMISSION			GWH ENERGY REDUCTION COMMISSION		
	TOTAL ACHIEVED**	APPROVED GOAL*	% VARIANCE	TOTAL ACHIEVED**	APPROVED GOAL*	% VARIANCE	TOTAL ACHIEVED**	APPROVED GOAL*	% VARIANCE
2015	69	64	8%	60	38	57%	76	40	89%
2016	193	122	58%	176	74	137%	151	77	94%
2017	274	177	55%	258	107	141%	232	110	111%
2018	362	225	61%	343	137	150%	314	137	129%
2019	477	267	79%	461	164	181%	395	158	150%
2020		305			188			173	
2021		337			208			183	
2022		367			227			190	
2023		394			243			193	
2024		419			259			195	

*2015-2024 Goals are based on ORDER NO. PSC-14-0696-FOF-EU issued December 16, 2014
Figures are rounded to the nearest whole number and are at the Generator

DUKE ENERGY FLORIDA
2019
COMPARISON OF ANNUAL ACHIEVED MW & GWH REDUCTIONS BASED ON PSC-14-0696-FOF-EU
WITH PUBLIC SERVICE COMMISSION ESTABLISHED ANNUAL GOALS*

RESIDENTIAL									
YEAR	WINTER PEAK MW REDUCTION COMMISSION			SUMMER PEAK MW REDUCTION COMMISSION			GWH ENERGY REDUCTION COMMISSION		
	TOTAL	APPROVED	%	TOTAL	APPROVED	%	TOTAL	APPROVED	%
	ACHIEVED	GOAL*	VARIANCE	ACHIEVED	GOAL*	VARIANCE	ACHIEVED	GOAL*	VARIANCE
2015	41	58	-29%	25	26	-4%	39	26	55%
2016	52	53	-1%	30	24	25%	47	24	99%
2017	54	49	11%	31	22	38%	46	21	123%
2018	45	43	4%	26	20	28%	43	17	155%
2019	46	38	23%	27	18	50%	43	13	230%
2020		32			16			9	
2021		28			14			6	
2022		25			12			4	
2023		22			11			2	
2024		21			11			1	

COMMERCIAL / INDUSTRIAL*									
YEAR	WINTER PEAK MW REDUCTION COMMISSION			SUMMER PEAK MW REDUCTION COMMISSION			GWH ENERGY REDUCTION COMMISSION		
	TOTAL	APPROVED	%	TOTAL	APPROVED	%	TOTAL	APPROVED	%
	ACHIEVED	GOAL*	VARIANCE	ACHIEVED	GOAL*	VARIANCE	ACHIEVED	GOAL*	VARIANCE
2015	28	5	411%	35	12	191%	36	15	150%
2016	72	5	1232%	85	12	635%	28	14	103%
2017	26	6	370%	52	11	371%	35	12	195%
2018	43	5	750%	60	10	503%	39	10	290%
2019	70	5	1293%	91	9	903%	38	8	372%
2020		5			8			6	
2021		5			7			4	
2022		5			6			2	
2023		5			6			1	
2024		5			5			1	

Total*									
YEAR	WINTER PEAK MW REDUCTION COMMISSION			SUMMER PEAK MW REDUCTION COMMISSION			GWH ENERGY REDUCTION COMMISSION		
	TOTAL	APPROVED	%	TOTAL	APPROVED	%	TOTAL	APPROVED	%
	ACHIEVED	GOAL*	VARIANCE	ACHIEVED	GOAL*	VARIANCE	ACHIEVED	GOAL*	VARIANCE
2015	69	64	8%	60	38	57%	76	40	89%
2016	124	59	113%	115	36	224%	75	37	100%
2017	81	54	48%	82	33	148%	82	33	149%
2018	88	48	83%	86	30	186%	82	27	205%
2019	116	43	173%	118	27	340%	81	21	284%
2020		37			24			15	
2021		33			21			10	
2022		29			18			6	
2023		27			17			4	
2024		25			16			2	

*2015-2024 Goals are based on ORDER NO. PSC-14-0696-FOF-EU issued December 16, 2014
 Figures are rounded to the nearest whole number and are at the Generator

Demand Side Management Annual Report

Utility: DUKE ENERGY FLORIDA, LLC.
 Program Name: Home Energy Check
 Program Start Date: 1991
 Reporting Period: 2019

a	b	c	d	e	f	g	h	i
Year	Total Number of Customers	Total Number of Eligible Customers	Projected Cumulative Number of Program Participants	Projected Cumulative Penetration Level % [(d/c)x100]	Actual Annual Number of Program Participants	Actual Cumulative Number of Program Participants	Actual Cumulative Penetration Level % [(g/c)x100]	Actual Participation Over (Under) Projected Participants (g-d)
2015	1,520,916	1,456,095	35,706	2.45%	30,901	30,901	2%	-4,805
2016	1,544,620	1,475,736	70,222	4.76%	32,172	63,073	4%	-7,149
2017	1,568,452	1,498,230	102,589	6.85%	37,059	100,132	7%	-2,457
2018	1,591,324	1,524,441	132,240	8.67%	34,900	135,032	9%	2,792
2019	1,612,908	1,550,890	159,041	10.25%	30,314	165,346	11%	6,305
2020	1,634,061	1,577,609	183,222	11.61%				
2021	1,654,509	1,603,523	205,252	12.80%				
2022	1,674,417	1,628,202	225,672	13.86%				
2023	1,693,168	1,650,717	244,991	14.84%				
2024	1,711,369	1,671,630	263,616	15.77%				

cols b,c,d,e are based on DEF's 2015 Program Plan approved by the Commission in Docket 20150083

Annual Demand & Energy Savings (during the reporting period)	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Reduction	0.182	0.195	5,529	5,909
Winter kW Reduction	0.265	0.283	8,027	8,579
Annual kWh Reduction	648	693	19,655,382	21,006,682

Utility Cost per Installation: \$147
 Total Program Cost of the Utility (\$000): \$4,464
 Net Benefits of Measures Installed During Reporting Period (\$000): N/A

Demand Side Management Annual Report

Utility: DUKE ENERGY FLORIDA, LLC.
 Program Name: Residential Incentive Program (f/k/a Home Energy Improvement)
 Program Start Date: 1996 with modifications approved in 2006 and 2015
 Reporting Period: 2019

a	b	c	d	e	f	g	h	i
Year	Total Number of Customers	Total Number of Eligible Customers	Projected Cumulative Number of Program/Measure Participants	Projected Cumulative Penetration Level % [(d/c)x100]	Actual Annual Number of Program/Measure Participants	Actual Cumulative Number of Program/Measure Participants	Actual Cumulative Penetration Level % [(g/c)x100]	Actual Participation Over (Under) Projected Participants (g-d)
2015	1,520,916	1,520,916	19,806	1.30%	53,179	53,179	3%	33,373
2016	1,544,620	1,544,620	37,827	2.45%	33,128	86,307	6%	48,480
2017	1,568,452	1,568,452	53,529	3.41%	26,190	112,497	7%	58,968
2018	1,591,324	1,591,324	66,300	4.17%	26,201	138,698	9%	72,398
2019	1,612,908	1,612,908	75,994	4.71%	23,280	161,978	10%	85,984
2020	1,634,061	1,634,061	82,864	5.07%				
2021	1,654,509	1,654,509	87,409	5.28%				
2022	1,674,417	1,674,417	90,216	5.39%				
2023	1,693,168	1,693,168	91,834	5.42%				
2024	1,711,369	1,711,369	92,705	5.42%				

cols b,c,d,e are based on DEF's 2015 Program Plan approved by the Commission in Docket 20150083

Annual Demand & Energy Savings (during the reporting period)	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Reduction	0.31	0.33	7,241	7,739
Winter kW Reduction	0.60	0.65	14,074	15,041
Annual kWh Reduction	438	468	10,192,931	10,893,691

Utility Cost per Installation: \$334
 Total Program Cost of the Utility (\$000): \$7,772
 Net Benefits of Measures Installed During Reporting Period (\$000): \$14,977

Demand Side Management Annual Report

Utility: DUKE ENERGY FLORIDA, LLC.
 Program Name: Neighborhood Energy Saver
 Program Start Date: 2007 with modifications approved in 2015 & 2018
 Reporting Period: 2019

a	b	c	d	e	f	g	h	i
Year	Total Number of Customers	Total Number of Eligible Customers	Projected Cumulative Number of Program Participants	Projected Cumulative Penetration Level % [(d/c)x100]	Actual Annual Number of Program Participants	Actual Cumulative Number of Program Participants	Actual Cumulative Penetration Level % [(g/c)x100]	Actual Participation Over (Under) Projected Participants (g-d)
2015	1,520,916	416,016	19,500	4.69%	3,420	3,420	1%	-16,080
2016	1,544,620	419,836	39,000	9.29%	19,786	23,206	6%	-15,794
2017	1,568,452	428,323	58,500	13.66%	21,171	44,377	10%	-14,123
2018	1,591,324	436,980	78,000	17.85%	20,906	65,284	15%	-12,716
2019	1,612,908	445,809	97,500	21.87%	19,496	84,780	19%	-12,720
2020	1,634,061	454,815	102,000	22.43%				
2021	1,654,509	464,002	106,500	22.95%				
2022	1,674,417	473,372	111,000	23.45%				
2023	1,693,168	782,929	115,500	14.75%				
2024	1,711,369	492,678	120,000	24.36%				

cols b,c,d,e are based on DEF's 2015 Program Plan approved by the Commission in Docket 150083

Annual Demand & Energy Savings (during the reporting period)	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Reduction	0.23	0.24	4,410	4,713
Winter kW Reduction	0.32	0.35	6,328	6,763
Annual kWh Reduction	509	544	9,924,459	10,606,762

Utility Cost per Installation: \$189
 Total Program Cost of the Utility (\$000): \$3,686
 Net Benefits of Measures Installed During Reporting Period (\$000): -\$650

Demand Side Management Annual Report

Utility: DUKE ENERGY FLORIDA, LLC.
 Program Name: Low Income Weatherization Assistance
 Program Start Date: May 2000 with modifications approved in 2005, 2015, 2017 & 2018
 Reporting Period: 2019

a	b	c	d	e	f	g	h	i
Year	Total Number of Customers	Total Number of Eligible Customers	Projected Cumulative Number of Program/Measure Participants	Projected Cumulative Penetration Level % [(d/c)x100]	Actual Annual Number of Program/Measure Participants	Actual Cumulative Number of Program/Measure Participants	Actual Cumulative Penetration Level % [(g/c)x100]	Actual Participation Over (Under) Projected Participants (g-d)
2015	1,520,916	416,016	500	0.12%	337	337	0%	-163
2016	1,544,620	423,836	1,000	0.24%	392	729	0%	-271
2017	1,568,452	432,323	1,500	0.35%	320	1,049	0%	-451
2018	1,591,324	440,980	2,000	0.45%	204	1,253	0%	-747
2019	1,612,908	449,809	2,500	0.56%	373	1,626	0%	-874
2020	1,634,061	458,815	3,000	0.65%				
2021	1,654,509	468,002	3,500	0.75%				
2022	1,674,417	477,372	4,000	0.84%				
2023	1,693,168	486,929	4,500	0.92%				
2024	1,711,369	496,678	5,000	1.01%				

cols b,c,d,e are based on DEF's 2015 Program Plan approved by the Commission in Docket 150083

Annual Demand & Energy Savings (during the reporting period)	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Reduction	0.65	0.69	241	257
Winter kW Reduction	1.28	1.37	478	510
Annual kWh Reduction	999	1,068	372,785	398,414

Utility Cost per Installation: \$743
 Total Program Cost of the Utility (\$000): \$277
 Net Benefits of Measures Installed During Reporting Period (\$000): \$205

Demand Side Management Annual Report

Utility: DUKE ENERGY FLORIDA, LLC.
 Program Name: Residential Energy Management
 Program Start Date: January 1981 , revision approved May 2000, 2nd revision approved 2006, 3rd revision approved 2015
 Reporting Period: 2019

a	b	c	d	e	f	g	h	i
Year	Total Number of Customers	Total Number of Eligible Customers	Projected Cumulative Number of Program Participants	Projected Cumulative Penetration Level % [(d/c)x100]	Actual Annual Number of Program Participants	Actual Cumulative Number of Program Participants	Actual Cumulative Penetration Level % [(g/c)x100]	Actual Participation Over (Under) Projected Participants (g-d)
2015	1,520,916	971,698	10,000	1.03%	5,025	5,025	1%	-4,975
2016	1,544,620	986,842	18,700	1.89%	8,634	13,659	1%	-5,041
2017	1,568,452	1,002,068	27,400	2.73%	9,561	23,220	2%	-4,180
2018	1,591,324	1,016,681	36,100	3.55%	6,426	29,646	3%	-6,454
2019	1,612,908	1,030,471	44,800	4.35%	6,847	36,493	4%	-8,307
2020	1,634,061	1,043,985	53,500	5.12%				
2021	1,654,509	1,057,049	62,200	5.88%				
2022	1,674,417	1,069,768	70,900	6.63%				
2023	1,693,168	1,081,748	79,600	7.36%				
2024	1,711,369	1,093,377	88,300	8.08%				

cols b,c,d,e are based on DEF's 2015 Program Plan approved by the Commission in Docket 150083
 col f., Annual Number of Program Participants represents new accounts added to the program each year.

Annual Demand & Energy Savings (during the reporting period)	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Reduction	1.09	1.16	7,463	7,976
Winter kW Reduction	2.09	2.23	14,310	15,294
Annual kWh Reduction	0	0	0	0

Utility Cost per Installation: * \$100
 Total Program Cost of the Utility (\$000):** \$44,012
 Net Benefits of Measures Installed During Reporting Period (\$000): \$10,795

***Utility cost per Installation is based on the total, cumulative number of year-end participants.**

****Utility program costs for this program include incentives paid to eligible participants.**

Total Program Participants at End of Year 438,902

Demand Side Management Annual Report

Utility: DUKE ENERGY FLORIDA, LLC.
 Program Name: Business Energy Check
 Program Start Date: 1991
 Reporting Period: 2019

a	b	c	d	e	f	g	h	i
Year	Total Number of Customers	Total Number of Eligible Customers	Projected Cumulative Number of Program Participants	Projected Cumulative Penetration Level % [(d/c)x100]	Actual Annual Number of Program Participants	Actual Cumulative Number of Program Participants	Actual Cumulative Penetration Level % [(g/c)x100]	Actual Participation Over (Under) Projected Participants (g-d)
2015	171,935	167,335	2,500	1.49%	1,486	1,486	1%	-1,014
2016	174,479	169,449	4,347	2.57%	699	2,185	1%	-2,162
2017	177,027	172,680	6,027	3.49%	640	2,825	2%	-3,202
2018	179,468	175,940	7,507	4.27%	668	3,493	2%	-4,014
2019	181,752	178,592	8,822	4.94%	565	4,058	2%	-4,764
2020	183,977	181,182	9,863	5.44%				
2021	186,117	183,761	10,550	5.74%				
2022	188,190	186,462	10,970	5.88%				
2023	190,125	189,018	11,220	5.94%				
2024	191,987	191,317	11,376	5.95%				

cols b,c,d,e are based on DEF's 2015 Program Plan approved by the Commission in Docket 150083

Annual Demand & Energy Savings (during the reporting period)	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Reduction	0.13	0.13	71	75
Winter kW Reduction	0.10	0.10	56	59
Annual kWh Reduction	663	697	374,492	393,833

Utility Cost per Installation: \$1,059
 Total Program Cost of the Utility (\$000): \$598
 Net Benefits of Measures Installed During Reporting Period (\$000): N/A

Demand Side Management Annual Report

Utility: DUKE ENERGY FLORIDA, LLC.
 Program Name: Better Business
 Program Start Date: April 1996 with modifications approved in 2006, 2015, 2016 and 2018
 Reporting Period: 2019

a	b	c	d	e	f	g	h	i
Year	Total Number of Customers	Total Number of Eligible Customers	Projected Cumulative Number of Program Participants	Projected Cumulative Penetration Level % [(d/c)x100]	Actual Annual Number of Program Participants	Actual Cumulative Number of Program Participants	Actual Cumulative Penetration Level % [(g/c)x100]	Actual Participation Over (Under) Projected Participants (g-d)
2015	171,935	171,935	2,089	1.21%	1,030	1,030	1%	-1,059
2016	174,479	174,479	3,878	2.22%	760	1,790	1%	-2,088
2017	177,027	177,027	5,437	3.07%	635	2,425	1%	-3,012
2018	179,468	179,468	6,705	3.74%	550	2,975	2%	-3,730
2019	181,752	181,752	7,668	4.22%	602	3,577	2%	-4,091
2020	183,977	183,977	8,350	4.54%				
2021	186,117	186,117	8,801	4.73%				
2022	188,190	188,190	9,080	4.82%				
2023	190,125	190,125	9,241	4.86%				
2024	191,987	191,987	9,327	4.86%				

cols b,c,d,e are based on DEF's 2015 Program Plan approved by the Commission in Docket 150083

Annual Demand & Energy Savings (during the reporting period)	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Reduction	33.27	34.99	20,029	21,063
Winter kW Reduction	3.08	3.24	1,856	1,952
Annual kWh Reduction	40,946	43,061	24,649,421	25,922,447

Utility Cost per Installation: \$4,928
 Total Program Cost of the Utility (\$000): \$2,967
 Net Benefits of Measures Installed During Reporting Period (\$000): \$27,131

Demand Side Management Annual Report

Utility: DUKE ENERGY FLORIDA, LLC.
 Program Name: Florida Custom Incentive Program (formerly Innovative Incentive)
 Program Start Date: 1991
 Reporting Period: 2019

a	b	c	d	e	f	g	h	i
Year	Total Number of Customers	Total Number of Eligible Customers	Projected Cumulative Number of Program Participants	Projected Cumulative Penetration Level % [(d/c)x100]	Actual Annual Number of Program Participants	Actual Cumulative Number of Program Participants	Actual Cumulative Penetration Level % [(g/c)x100]	Actual Participation Over (Under) Projected Participants (g-d)
2015	171,935	171,935	10	0.01%	7	7	0%	-3
2016	174,479	174,479	47	0.03%	4	11	0%	-36
2017	177,027	177,027	82	0.05%	4	15	0%	-67
2018	179,468	179,468	115	0.06%	29	44	0%	-71
2019	181,752	181,752	146	0.08%	56	100	0%	-46
2020	183,977	183,977	174	0.09%				
2021	186,117	186,117	199	0.11%				
2022	188,190	188,190	229	0.12%				
2023	190,125	190,125	254	0.13%				
2024	191,987	191,987	274	0.14%				

cols b,c,d,e are based on DEF's 2015 Program Plan approved by the Commission in Docket 150083

Annual Demand & Energy Savings (during the reporting period)	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Reduction	66.8	70.2	3,740	3,933
Winter kW Reduction	26.2	27.6	1,470	1,545
Annual kWh Reduction	194,189	204,217	10,874,557	11,436,177

Utility Cost per Installation: \$13,595
 Total Program Cost of the Utility (\$000): \$761
 Net Benefits of Measures Installed During Reporting Period (\$000): -\$381

Demand Side Management Annual Report

Utility: DUKE ENERGY FLORIDA, LLC.
 Program Name: Commercial Energy Management
 Program Start Date: April 1996 - (Closed to new participants effective May 2000)
 Reporting Period: 2019

a	b	c	d	e	f	g	h	i
Year	Total Number of Customers	Total Number of Eligible Customers	Projected Cumulative Number of Program Participants	Projected Cumulative Penetration Level % [(d/c)x100]	Actual Annual Number of Program Participants	Actual Cumulative Number of Program Participants	Actual Cumulative Penetration Level % [(g/c)x100]	Actual Participation Over (Under) Projected Participants (g-d)
2015	171,935	0	0	0.00%	0	0	0%	0
2016	174,479	0	0	0.00%	0	0	0%	0
2017	177,027	0	0	0.00%	0	0	0%	0
2018	179,468	0	0	0.00%	0	0	0%	0
2019	181,752	0	0	0.00%	0	0	0%	0
2020	183,977							
2021	186,117							
2022	188,190							
2023	190,125							
2024	191,987							

cols b,c,d,e are based on DEF's 2015 Program Plan approved by the Commission in Docket 150083

Annual Demand & Energy Savings (during the reporting period)	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Reduction	---	---	0.0	0.0
Winter kW Reduction	---	---	0.0	0.0
Annual kWh Reduction	---	---	0.0	0.0

Utility Cost per Installation: \$9,857
 Total Program Cost of the Utility (\$000): * \$591
 Net Benefits of Measures Installed During Reporting Period (\$000): N/A

*** Utility cost per Installation is based on the total, cumulative number of year-end participants.**

**** Utility program costs for this program include incentives paid to eligible participants.**

***Total NET Participants at the End of the Year**

60

Demand Side Management Annual Report

Utility: DUKE ENERGY FLORIDA, LLC.
 Program Name: Interruptible Service
 Program Start Date: November 1992 - (Rate Schedule IS-1 is closed to new customers, and IS-2 became effective June 1996.)
 Reporting Period: 2019

a	b	c	d	e	f	g	h	i
Year	Total Number of Customers	Total Number of Eligible Customers	Projected Cumulative Number of Program Participants	Projected Cumulative Penetration Level % [(d/c)x100]	Actual Annual Number of Program Participants	Actual Cumulative Number of Program Participants	Actual Cumulative Penetration Level % [(g/c)x100]	Actual Participation Over (Under) Projected Participants (g-d)
2015	171,935	464	1	0.22%	2	2	0%	1
2016	174,479	472	2	0.42%	1	3	1%	1
2017	177,027	479	3	0.63%	3	6	1%	3
2018	179,468	485	4	0.82%	42	48	10%	44
2019	181,752	491	5	1.02%	14	62	13%	57
2020	183,977	497	6	1.21%				
2021	186,117	503	7	1.39%				
2022	188,190	509	8	1.57%				
2023	190,125	514	9	1.75%				
2024	191,987	519	10	1.93%				

cols b,c,d,e are based on DEF's 2015 Program Plan approved by the Commission in Docket 150083

Annual Demand & Energy Savings (during the reporting period)	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Reduction	4,474.4	4,705.4	62,641	65,876
Winter kW Reduction	4,474.4	4,705.4	62,641	65,876
Annual kWh Reduction	0.0	0.0	0	0

Utility Cost per Installation: * \$199,068
 Total Program Cost of the Utility (\$000): ** \$36,629
 Net Benefits of Measures Installed During Reporting Period (\$000): \$6,439

* **Utility cost per Installation is based on the total, cumulative number of year-end participants.**

** **Utility program costs for this program include incentives paid to eligible participants.**

Total NET Participants at End of Year 184

Demand Side Management Annual Report

Utility: DUKE ENERGY FLORIDA, LLC.
 Program Name: Standby Generation
 Program Start Date: April 1993 with revisions approved 2006, 2015 and 2016
 Reporting Period: 2019

a	b	c	d	e	f	g	h	i
Year	Total Number of Customers	Total Number of Eligible Customers	Projected Cumulative Number of Program Participants	Projected Cumulative Penetration Level % [(d/c)x100]	Actual Annual Number of Program Participants	Actual Cumulative Number of Program Participants	Actual Cumulative Penetration Level % [(g/c)x100]	Actual Participation Over (Under) Projected Participants (g-d)
2015	171,935	549	10	1.82%	25	25	5%	15
2016	174,479	557	20	3.59%	147	172	31%	152
2017	177,027	566	30	5.30%	28	200	35%	170
2018	179,468	574	40	6.97%	12	212	37%	172
2019	181,752	581	50	8.61%	1	213	37%	163
2020	183,977	592	60	10.14%				
2021	186,117	596	70	11.74%				
2022	188,190	602	80	13.29%				
2023	190,125	608	90	14.80%				
2024	191,987	614	100	16.29%				

cols b,c,d,e are based on DEF's 2015 Program Plan approved by the Commission in Docket 150083

Annual Demand & Energy Savings (during the reporting period)	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Reduction	280	294	280	294
Winter kW Reduction	224	236	224	236
Annual kWh Reduction	0	0	0	0

Utility Cost per Installation: * \$26,909
 Total Program Cost of the Utility (\$000):** \$4,682
 Net Benefits of Measures Installed During Reporting Period (\$000): \$244

* **Utility cost per Installation is based on the total, cumulative number of year-end participants.**

** **Total program costs for this program include incentives paid to eligible participants.**

Total NET Participants at End of Year

174

Demand Side Management Annual Report

Utility: DUKE ENERGY FLORIDA, LLC.
 Program Name: Curtailable Service
 Program Start Date: November 1992 - (Rate Schedule CS-1 is closed to new customers, and CS-2 became effective June 1996.)
 Reporting Period: 2019

a	b	c	d	e	f	g	h	i
Year	Total Number of Customers	Total Number of Eligible Customers	Projected Cumulative Number of Program Participants	Projected Cumulative Penetration Level % [(d/c)x100]	Actual Annual Number of Program Participants*	Actual Cumulative Number of Program Participants**	Actual Cumulative Penetration Level % [(g/c)x100]	Actual Participation Over (Under) Projected Participants (g-d)
2015	171,935	910	0	0.00%	0	0	0%	0
2016	174,479	925	0	0.00%	0	0	0%	0
2017	177,027	938	1	0.11%	0	0	0%	-1
2018	179,468	951	1	0.11%	0	0	0%	-1
2019	181,752	963	1	0.10%	0	0	0%	-1
2020	183,977	975	2	0.21%				
2021	186,117	986	2	0.20%				
2022	188,190	997	2	0.20%				
2023	190,125	1,008	3	0.30%				
2024	191,987	1,018	3	0.29%				

cols b,c,d,e are based on DEF's 2015 Program Plan approved by the Commission in Docket 150083

Annual Demand & Energy Savings (during the reporting period)	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Reduction	---	---	0.0	0.0
Winter kW Reduction	---	---	0.0	0.0
Annual kWh Reduction	---	---	0.0	0.0

Utility Cost per Installation: * \$534,955
 Total Program Cost of the Utility (\$000): ** \$2,140
 Net Benefits of Measures Installed During Reporting Period (\$000): N/A

* **Utility cost per Installation is based on actual program costs divided by the number of accounts participating in this program.**

** **Utility program costs for this program include incentives paid to eligible participants.**

Total NET Participants at End of Year

4