



Stephanie A. Cuello
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February 24, 2022

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 2021*; Undocketed

Dear Mr. Teitzman:

In accordance with Rule 25-17.0021(5), F.A.C., please find attached for filing Duke Energy Florida, LLC's (DEF) Demand Side Management Annual Report for calendar year 2021.

Thank you for your assistance in this matter. Please feel free to call me at (850) 521-1425 should you have any questions concerning this filing.

Sincerely,

/s/ Stephanie A. Cuello

Stephanie A. Cuello

MRB/cmw
Enclosures

cc: Michael Barrett, FPSC Division of Economics
Judy Harlow, FPSC Division of Economics

DUKE ENERGY FLORIDA, LLC

SUMMARY OF 2021 DEMAND SIDE MANAGEMENT ACHIEVEMENTS

The Commission-approved goals for 2020-2024 presented in the “Comparison of Cumulative Achieved MW & GWH Reductions with Public Service Commission Established Goals” represent Duke Energy Florida, LLC’s (“DEF” or “the Company”) annual Demand Side Management (“DSM”) goals as established by the Commission in Order No. PSC-2019-0509-EG. The total achievements represent the actual MW and GWH savings resulting from DEF’s Commission-approved DSM programs.

In 2021, DEF’s DSM programs delivered energy and demand savings consistent with the Commission-approved winter MW, summer MW and GWH goals for the residential and commercial sector on an overall combined basis. The Company’s performance fell short of its residential winter and summer demand goals due to the continued impacts of COVID-19 on the low-income programs as DEF suspended installation of in-home measures for the Neighborhood Energy Saver Program from the previous calendar year (2020) through May 17, 2021. In addition to the continued impacts of COVID-19, supply and demand shortages industry-wide affected goals. The shortfall in achievements for the low-income programs were almost entirely offset by higher-than-projected participation in DEF’s other residential programs.

For the residential sector, DEF performed 21,732 home energy audits in 2021. Although fewer walk-through audits were performed due to continued COVID-19 concerns, the number of online audits continued to increase significantly. DEF provided incentives to residential customers for 15,140 energy efficiency measures. These measures are expected to provide significant savings to customers as they all target heating and cooling end uses. DEF also added 1,604 residential customers to its residential demand response program. These customers will benefit from ongoing bill credits.

Audit Type				
	Walk-Through, BERS, and Computer Assisted	Online	Phone	Total
Residential	5,983	8,393	7,356	21,732
Non-Residential	262	0	25	287

For the commercial sector, DEF performed 287 commercial energy audits, providing incentives to commercial customers through its commercial Better Business programs. Additionally, DEF plans to continue to promote its energy conservation programs to customers and will continue to evaluate changes to delivery methods and procedures to ensure the safety of both our customers and our team. DEF, in partnership with local universities and industry alliances, continues to utilize the Technology Development Program to test and evaluate the potential for new and emerging technologies to support future program offerings to customers. Through the Technology Development Program, DEF has launched the “Bring Your Own Battery” study to test potential enhancements to the energy grid and support the growth of renewable energy.

DUKE ENERGY FLORIDA, LLC
2021

**COMPARISON OF CUMULATIVE ACHIEVED MW & GWH REDUCTIONS at the Generator
PUBLIC SERVICE COMMISSION ESTABLISHED GOALS ORDER PSC-2020-0274-PAA-EG**

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
2020	31	32	-5%	18	16	13%	35	9	277%
2021	47	60	-22%	28	29	-5%	60	15	290%
2022		85			41			19	
2023		107			53			21	
2024		128			63			23	

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
2020	24	5	354%	46	8	460%	40	6	582%
2021	34	10	244%	70	15	363%	62	10	531%
2022		15			21			12	
2023		20			27			14	
2024		24			32			14	

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
2020	54	37	45%	64	24	168%	75	15	395%
2021	81	70	16%	98	44	120%	122	25	384%
2022		99			63			31	
2023		126			79			35	
2024		152			95			37	

*2020-2024 Goals are based on ORDER NO. PSC-2020-0274-PAA-EG, issued August 3, 2020

**Figures are rounded to the nearest whole number and are at the Generator

DUKE ENERGY FLORIDA, LLC

2021

**COMPARISON OF ANNUAL ACHIEVED MW & GWH REDUCTIONS BASED ON PSC-2020-0274-PAA-EG
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
2020	31	32	-5%	18	16	13%	35	9	277%
2021	16	28	-42%	10	14	-26%	25	6	311%
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
2020	24	5	354%	46	8	460%	40	6	582%
2021	11	5	124%	24	7	248%	22	4	454%
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
2020	54	37	45%	64	24	168%	75	15	395%
2021	27	33	-18%	34	21	65%	47	10	367%
2022		29			18			6	
2023		27			17			4	
2024		25			16			2	

*2020-2024 Goals are based on ORDER NO. PSC-2020-0274-PAA-EG, issued August 3, 2020

**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: 2021

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)
2020	1,647,440	1,647,440	25,000	1.52%	31,560	31,560	1.92%	6,560
2021	1,673,995	1,648,995	50,000	3.03%	21,732	53,292	3.23%	3,292
2022	1,700,215	1,675,215	75,000	4.48%				
2023	1,726,425	1,701,425	100,000	5.88%				
2024	1,752,362	1,727,362	125,000	7.24%				

cols b,c,d,e are based on DEF's 2020 Program Plan approved by the Commission in Docket 20200054-EG

Annual Demand & Energy Savings (during the reporting period)	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Reduction	0.16	0.17	3,535	3,776
Winter kW Reduction	0.27	0.29	5,852	6,251
Annual kWh Reduction	698	746	15,176,961	16,212,629

Utility Cost per Installation: \$123
 Total Program Cost of the Utility (\$000): \$3,872
 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, 2015, and 2020
 Reporting Period: 2021

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)
2020	1,647,440	1,647,440	17,350	1.05%	19,200	19,200	1.17%	1,850
2021	1,673,995	1,673,995	33,283	1.99%	15,140	34,340	2.05%	1,058
2022	1,700,215	1,700,215	48,418	2.85%				
2023	1,726,425	1,726,425	62,797	3.64%				
2024	1,752,362	1,752,362	76,458	4.36%				

cols b,c,d,e are based on DEF's 2020 Program Plan approved by the Commission in Docket 20200054-EG

Annual Demand & Energy Savings (during the reporting period)	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Reduction	0.23	0.25	3,496	3,734
Winter kW Reduction	0.38	0.40	5,703	6,093
Annual kWh Reduction	498	531	7,532,674	8,046,700

Utility Cost per Installation: \$211
 Total Program Cost of the Utility (\$000): \$4,060
 Net Benefits of Measures Installed During Reporting Period (\$000): \$1,288

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, and 2020
 Reporting Period: 2021

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)
2020	1,647,440	443,161	5,000	1.13%	950	950	0.21%	-4,050
2021	1,673,995	450,305	10,000	2.22%	537	1,487	0.33%	-8,513
2022	1,700,215	457,358	15,000	3.28%				
2023	1,726,425	464,408	20,000	4.31%				
2024	1,752,362	471,385	25,000	5.30%				

cols b,c,d,e are based on DEF's 2020 Program Plan approved by the Commission in Docket 20200054-EG

Annual Demand & Energy Savings (during the reporting period)	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Reduction	0.38	0.41	205	218
Winter kW Reduction	0.59	0.63	319	341
Annual kWh Reduction	1,413	1,509	758,578	810,342

Utility Cost per Installation: \$552
 Total Program Cost of the Utility (\$000): \$524
 Net Benefits of Measures Installed During Reporting Period (\$000): -\$685

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: 2021

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)
2020	1,647,440	443,161	244	0.06%	139	139	0.03%	-105
2021	1,673,995	450,305	488	0.11%	133	272	0.06%	-216
2022	1,700,215	457,358	732	0.16%				
2023	1,726,425	464,408	977	0.21%				
2024	1,752,362	471,385	1,221	0.26%				

cols b,c,d,e are based on DEF's 2020 Program Plan approved by the Commission in Docket 20200054-EG

Annual Demand & Energy Savings (during the reporting period)	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Reduction	0.47	0.50	63	67
Winter kW Reduction	0.82	0.88	109	117
Annual kWh Reduction	1,400	1,495	186,138	198,840

Utility Cost per Installation: \$1,381
 Total Program Cost of the Utility (\$000): \$192
 Net Benefits of Measures Installed During Reporting Period (\$000): -\$170

Demand Side Management Annual Report

Utility: DUKE ENERGY FLORIDA, LLC.
 Program Name: Residential Load Management
 Program Start Date: January 1981, revision approved May 2000, 2nd revision approved 2006, 3rd revision approved 2015
 Reporting Period: 2021

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)
2020	1,647,440	1,208,538	2,500	0.21%	2,735	2,735	0.23%	235
2021	1,673,995	1,232,593	5,000	0.41%	1,604	4,339	0.35%	-661
2022	1,700,215	1,256,313	7,500	0.60%				
2023	1,726,425	1,280,023	10,000	0.78%				
2024	1,752,362	1,303,460	12,500	0.96%				

*cols b,c,d,e are based on DEF's 2020 Program Plan approved by the Commission in Docket 20200054-EG
 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	1.35	1.44	2,165	2,313
Winter kW Reduction	1.92	2.05	3,080	3,290
Annual kWh Reduction	0	0	0	0

Utility Cost per Installation: * \$87
 Total Program Cost of the Utility (\$000):** \$37,677
 Net Benefits of Measures Installed During Reporting Period (\$000): \$1,932

***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 433,784

Demand Side Management Annual Report

Utility: DUKE ENERGY FLORIDA, LLC.
 Program Name: Business Energy Check
 Program Start Date: 1991
 Reporting Period: 2021

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)
2020	178,557	178,557	400	0.22%	429	429	0.24%	29
2021	181,015	180,615	800	0.44%	287	716	0.40%	-84
2022	183,346	183,346	1,200	0.65%				
2023	185,608	185,608	1,600	0.86%				
2024	187,771	187,771	2,000	1.07%				

cols b,c,d,e are based on DEF's 2020 Program Plan approved by the Commission in Docket 20200054-EG

Annual Demand & Energy Savings (during the reporting period)	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Reduction	0.04	0.04	11	11
Winter kW Reduction	0.02	0.02	5	5
Annual kWh Reduction	214	224	61,421	64,374

Utility Cost per Installation: \$1,246
 Total Program Cost of the Utility (\$000): \$534
 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: 2021

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)
2020	178,557	178,557	2,589	1.45%	951	951	0.53%	-1,638
2021	181,015	181,015	5,048	2.79%	167	1,118	0.62%	-3,930
2022	183,346	183,346	7,384	4.03%				
2023	185,608	185,608	9,603	5.17%				
2024	187,771	187,771	11,712	6.24%				

cols b,c,d,e are based on DEF's 2020 Program Plan approved by the Commission in Docket 20200054-EG

Annual Demand & Energy Savings (during the reporting period)	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Reduction	84.0	88.0	14,029	14,703
Winter kW Reduction	8.0	8.4	1,342	1,406
Annual kWh Reduction	94,284	98,817	15,745,433	16,502,365

Utility Cost per Installation: \$2,278
 Total Program Cost of the Utility (\$000): \$2,166
 Net Benefits of Measures Installed During Reporting Period (\$000): \$10,433

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: 2021

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)
2020	178,557	0	0	0.00%	0	0	0.00%	0
2021	181,015	0	0	0.00%	0	0	0.00%	0
2022	183,346							
2023	185,608							
2024	187,771							

cols b,c,d,e are based on DEF's 2020 Program Plan approved by the Commission in Docket 20200054-EG

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: \$19,446
 Total Program Cost of the Utility (\$000): * \$1,167
 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: Florida Custom Incentive Program (formerly Innovative Incentive)
 Program Start Date: 1991
 Reporting Period: 2021

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)
2020	178,557	178,557	200	0.11%	134	134	0.08%	-66
2021	181,015	181,015	390	0.22%	21	155	0.09%	-235
2022	183,346	183,346	571	0.31%				
2023	185,608	185,608	743	0.40%				
2024	187,771	187,771	906	0.48%				

cols b,c,d,e are based on DEF's 2020 Program Plan approved by the Commission in Docket 20200054-EG

Annual Demand & Energy Savings (during the reporting period)	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Reduction	77.3	81.0	1,623	1,701
Winter kW Reduction	35.5	37.2	745	781
Annual kWh Reduction	229,681	240,722	4,823,294	5,055,165

Utility Cost per Installation: \$2,765
 Total Program Cost of the Utility (\$000): \$370
 Net Benefits of Measures Installed During Reporting Period (\$000): -\$1,828

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: 2021

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)
2020	178,557	697	16	2.30%	7	7	1.00%	-9
2021	181,015	681	26	3.82%	4	11	1.62%	-15
2022	183,346	671	30	4.47%				
2023	185,608	667	36	5.40%				
2024	187,771	661	44	6.66%				

cols b,c,d,e are based on DEF's 2020 Program Plan approved by the Commission in Docket 20200054-EG

Annual Demand & Energy Savings (during the reporting period)	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Reduction	1,170	1,226	4,680	4,905
Winter kW Reduction	1,412	1,480	5,647	5,918
Annual kWh Reduction	0.0	0.0	0	0

Utility Cost per Installation: * \$218,238
 Total Program Cost of the Utility (\$000): ** \$43,211
 Net Benefits of Measures Installed During Reporting Period (\$000): \$2,988

*** 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 198

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: 2021

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)
2020	178,557	697	1	0.14%	0	0	0.00%	-1
2021	181,015	696	1	0.14%	0	0	0.00%	-1
2022	183,346	696	2	0.29%				
2023	185,608	695	2	0.29%				
2024	187,771	695	3	0.43%				

cols b,c,d,e are based on DEF's 2020 Program Plan approved by the Commission in Docket 20200054-EG

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: * \$436,968
 Total Program Cost of the Utility (\$000): ** \$1,748
 Net Benefits of Measures Installed During Reporting Period (\$000): N/A

* Utility cost per Installation is based on actual 2017 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

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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: 2021

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)
2020	178,557	178,557	10	0.01%	5	5	0.00%	-5
2021	181,015	181,005	20	0.01%	5	10	0.01%	-10
2022	183,346	183,326	35	0.02%				
2023	185,608	185,573	50	0.03%				
2024	187,771	187,721	65	0.03%				

cols b,c,d,e are based on DEF's 2020 Program Plan approved by the Commission in Docket 20200054-EG

Annual Demand & Energy Savings (during the reporting period)	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Reduction	508	533	2,541	2,663
Winter kW Reduction	508	533	2,541	2,663
Annual kWh Reduction	0	0	0	0

Utility Cost per Installation: * \$17,913
 Total Program Cost of the Utility (\$000):** \$3,278
 Net Benefits of Measures Installed During Reporting Period (\$000): \$2,541

*** 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 183