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March 1, 2016

**-VIA ELECTRONIC FILING-**

Ms. Carlotta S. Stauffer  
Office of Commission Clerk  
Florida Public Service Commission  
2540 Shumard Oak Blvd.  
Tallahassee, FL 32399-0850

**RE: Florida Power & Light Company's 2015 DSM Annual Report**

Dear Ms. Stauffer:

In accordance with Rule 25-17.0021(5), Florida Administrative Code, Florida Power & Light Company ("FPL") is submitting its 2015 DSM Annual Report. The report includes the results of FPL's DSM Plan as approved by Order No. PSC-15-0331-PAA-EG (consummated by Order No. PSC-15-0384-CO-EG).

In the enclosed report, FPL's performance is compared to the demand and energy goals established by Order No. PSC-14-0696-FOF-EU, issued December 16, 2014, in Docket No. 130199-EI. The results are summarized on page one of the attached report.

Please do not hesitate to contact me should you have any questions.

Sincerely,

s/ Jessica A. Cano  
Jessica A. Cano  
Fla. Bar No. 0037372

cc: Tripp Coston  
Enclosure

**FLORIDA POWER & LIGHT COMPANY  
2015 DEMAND-SIDE MANAGEMENT  
ANNUAL REPORT**

March 1, 2016

**FLORIDA POWER & LIGHT COMPANY  
2015 DEMAND-SIDE MANAGEMENT ANNUAL REPORT**

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Comparison of Achieved MW and GWh Savings v. Commission Goals Established December 16, 2014

Reporting Period: 2015

<b>Residential and Business Combined (@ Generator)</b>								
Year	Summer Peak MW Savings			Winter Peak MW Savings			GWh Energy Savings	
	Total Achieved	Commission Established Goal	% Variance	Total Achieved	Commission Established Goal	% Variance	Total Achieved	Commission Established Goal
2015	86.0	48.1	79%	44.5	29.2	52%	156.2	41.2
2016		49.6			30.1			45.6
2017		50.8			30.9			47.5
2018		51.5			31.5			49.5
2019		52.3			32.1			51.5
2020		53.1			32.8			53.7
2021		53.9			33.4			55.8
2022		54.7			34.1			58.1
2023		55.5			34.8			60.5
2024		56.5			35.5			63.0

<b>Residential (@ Generator)</b>								
Year	Summer Peak MW Savings			Winter Peak MW Savings			GWh Energy Savings	
	Total Achieved	Commission Established Goal	% Variance	Total Achieved	Commission Established Goal	% Variance	Total Achieved	Commission Established Goal
2015	58.7	25.3	132%	32.9	15.6	111%	107.7	21.6
2016		25.6			15.8			22.2
2017		25.9			16.0			22.8
2018		26.2			16.2			23.5
2019		26.5			16.4			24.2
2020		26.9			16.7			25.0
2021		27.3			16.9			25.7
2022		27.6			17.2			26.5
2023		28.0			17.5			27.4
2024		28.5			17.8			28.3

<b>Business (@ Generator)</b>								
Year	Summer Peak MW Savings			Winter Peak MW Savings			GWh Energy Savings	
	Total Achieved	Commission Established Goal	% Variance	Total Achieved	Commission Established Goal	% Variance	Total Achieved	Commission Established Goal
2015	27.3	22.8	20%	11.6	13.6	-15%	48.6	19.6
2016		24.0			14.3			23.4
2017		24.9			14.9			24.7
2018		25.3			15.3			26.0
2019		25.8			15.7			27.3
2020		26.2			16.1			28.7
2021		26.6			16.5			30.1
2022		27.1			16.9			31.6
2023		27.5			17.3			33.1
2024		28.0			17.7			34.7

# DEMAND-SIDE MANAGEMENT ANNUAL REPORT

Utility: Florida Power & Light Company  
 Program Name: **Residential Home Energy Survey**  
 Program Start Date: January 1981  
 Reporting Period: 2015

a	b	c	d	e (d/c)	f	g	h (g/c)	i (g-d)
Year	Total Number of Customers	Total Number of Eligible Customers	Projected		Actual			
			Cumulative Number of Program Participants	Cumulative Penetration Level %	Annual Number of Program Participants	Cumulative Number of Program Participants <sup>(1)</sup>	Cumulative Penetration Level %	Cumulative Participation Over (Under) Projected Participants
2015	4,228,484	4,228,484	100,000	2%	149,405	149,405	4%	49,405
2016	4,289,564	4,289,564	200,000	5%				
2017	4,350,874	4,350,874	300,000	7%				
2018	4,411,411	4,411,411	400,000	9%				
2019	4,470,700	4,470,700	500,000	11%				
2020	4,527,847	4,527,847	600,000	13%				
2021	4,581,557	4,581,557	700,000	15%				
2022	4,635,494	4,635,494	800,000	17%				
2023	4,690,133	4,690,133	900,000	19%				
2024	4,745,553	4,745,553	1,000,000	21%				

<b>2015</b>	
Utility Cost per Installation	\$84
Total Utility Program Cost (\$000)	\$12,538
Net Benefits (\$000)	N/A

- No kW or kWh savings attributed to this program

<sup>(1)</sup> Cumulative participants before 2015 = 3,540,682



# DEMAND-SIDE MANAGEMENT ANNUAL REPORT

Utility: Florida Power & Light Company  
 Program Name: Residential Load Management (On Call®)  
 Program Start Date: July 1986  
 Reporting Period: 2015

a	b	c	d	e (d/c)	Actual				f	g	h (g/c)	i (g-d)
Year	Total Number of Customers	Total Number of Eligible Customers	Projected		Cumulative Number of Program Participants	Cumulative Penetration Level %	Annual Number of Program Participants	Cumulative Number of Program Participants <sup>(1)</sup>	Cumulative Penetration Level %	Cumulative Participation Over (Under) Projected Participants		
			Cumulative Number of Program Participants	Cumulative Penetration Level %								
2015	4,228,484	3,418,006	12,000	0%	4,422	0%	4,422	0%	(7,578)			
2016	4,289,564	3,479,086	24,000	1%								
2017	4,350,874	3,540,396	36,000	1%								
2018	4,411,411	3,600,933	48,000	1%								
2019	4,470,700	3,660,222	60,000	2%								
2020	4,527,847	3,717,369	72,000	2%								
2021	4,581,557	3,771,079	84,000	2%								
2022	4,635,494	3,825,016	96,000	3%								
2023	4,690,133	3,879,655	108,000	3%								
2024	4,745,553	3,935,075	120,000	3%								

2015	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Savings	1.99	2.14	8,783	9,451
Winter kW Savings	2.07	2.23	9,160	9,857
kWh Savings	1	2	6,307	6,686

2015	
Utility Cost per Installation <sup>(2)</sup>	\$67
Total Utility Program Cost (\$000) <sup>(3)</sup>	\$53,688
Net Benefits (\$000)	\$199

<sup>(1)</sup> Cumulative participants before 2015 = 810,074  
<sup>(2)</sup> Based on cumulative active participants at year-end = 802,455  
<sup>(3)</sup> Includes depreciation, return & rebates paid in 2015 to active participants who signed up in 2015 & prior years

# DEMAND-SIDE MANAGEMENT ANNUAL REPORT

Utility: Florida Power & Light Company  
 Program Name: **Residential Air Conditioning**  
 Program Start Date: October 1990  
 Reporting Period: 2015

a	b	c	d	e (d/c)		f	g	h (g/c)	i (g-d)
Year	Total Number of Customers	Total Number of Eligible Customers	Projected		Cumulative Penetration %	Annual Number of Program Participants	Cumulative Number of Program Participants <sup>(1)</sup>	Cumulative Penetration Level %	Cumulative Participation Over (Under) Projected Participants
			Cumulative Number of Program Participants	Cumulative Number of Program Participants					
2015	4,228,484	2,200,756	23,398	23,398	1%	93,077	93,077	4%	69,679
2016	4,289,564	2,215,785	53,092	53,092	2%				
2017	4,350,874	2,247,102	83,432	83,432	4%				
2018	4,411,411	2,257,195	114,360	114,360	5%				
2019	4,470,700	2,286,386	145,852	145,852	6%				
2020	4,527,847	2,306,455	178,074	178,074	8%				
2021	4,581,557	2,323,925	210,900	210,900	9%				
2022	4,635,494	2,319,715	243,975	243,975	11%				
2023	4,690,133	2,351,899	277,422	277,422	12%				
2024	4,745,553	2,384,533	311,449	311,449	13%				

2015	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Savings	0.42	0.45	39,042	42,014
Winter kW Savings	0.17	0.19	16,009	17,228
kWh Savings	916	971	85,289,501	90,411,988

<b>2015</b>	
Utility Cost per Installation	\$343
Total Utility Program Cost (\$000)	\$31,909
Net Benefits (\$000)	\$31

<sup>(1)</sup> Cumulative participants before 2015 = 1,780,764

# DEMAND-SIDE MANAGEMENT ANNUAL REPORT

Utility: Florida Power & Light Company  
 Program Name: **Residential New Construction (BuildSmart®)**  
 Program Start Date: February 1996  
 Reporting Period: 2015

a	b	c	d	e (d/c)	f	g	h (g/c)	i (g-d)
Year	Total Number of Customers	Total Number of Eligible Customers	Projected		Actual			
			Cumulative Number of Program Participants	Cumulative Penetration Level %	Annual Number of Program Participants	Cumulative Number of Program Participants <sup>(1)</sup>	Cumulative Penetration Level %	Cumulative Participation Over (Under) Projected Participants
2015	4,228,484	80,224	1,463	2%	3,000	3,000	4%	1,537
2016	4,289,564	85,647	3,022	2%				
2017	4,350,874	86,246	4,699	2%				
2018	4,411,411	86,310	6,595	2%				
2019	4,470,700	86,461	8,720	2%				
2020	4,527,847	86,260	11,079	2%				
2021	4,581,557	85,119	13,643	2%				
2022	4,635,494	84,269	16,641	2%				
2023	4,690,133	83,932	20,099	3%				
2024	4,745,553	84,994	23,926	3%				

2015	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Savings	0.83	0.89	2,487	2,676
Winter kW Savings	0.30	0.32	889	956
kWh Savings	1,346	1,427	4,037,302	4,279,782

2015
Utility Cost per Installation
Total Utility Program Cost (\$000)
Net Benefits (\$000)

<sup>(1)</sup> Cumulative participants before 2015 = 35,967



# DEMAND-SIDE MANAGEMENT ANNUAL REPORT

Utility: Florida Power & Light Company  
 Program Name: **Residential Ceiling Insulation**  
 Program Start Date: October 1981  
 Reporting Period: 2015

a	b	c	d	e (d/c)	f	g	h (g/c)	i (g-d)
	Total Number of Customers	Total Number of Eligible Customers	Cumulative Number of Program Participants	Cumulative Penetration Level %	Annual Number of Program Participants	Cumulative Number of Program Participants <sup>(1)</sup>	Cumulative Penetration Level %	Cumulative Participation Over (Under) Projected Participants
Year								
2015	4,228,484	1,257,387	3,748	0%	9,105	9,105	1%	5,357
2016	4,289,564	1,253,639	8,601	1%				
2017	4,350,874	1,248,786	13,674	1%				
2018	4,411,411	1,243,713	18,973	2%				
2019	4,470,700	1,238,414	24,506	2%				
2020	4,527,847	1,232,881	30,288	2%				
2021	4,581,557	1,227,099	36,313	3%				
2022	4,635,494	1,221,074	42,605	3%				
2023	4,690,133	1,214,782	49,156	4%				
2024	4,745,553	1,208,231	56,009	5%				

2015	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Savings	0.27	0.29	2,419	2,603
Winter kW Savings	0.44	0.47	3,977	4,279
kWh Savings	665	705	6,059,347	6,423,271

<b>2015</b>	
Utility Cost per Installation	\$346
Total Utility Program Cost (\$000)	\$3,151
Net Benefits (\$000)	\$7

<sup>(1)</sup> Cumulative participants before 2015 = 559,104  
 2015 data reflects ceiling insulation plus the other measures with which it was previously bundled under the now discontinued Building Envelope program

# DEMAND-SIDE MANAGEMENT ANNUAL REPORT

Utility: Florida Power & Light Company  
 Program Name: **Residential Low Income**  
 Program Start Date: March 2005  
 Reporting Period: 2015

a	b	c	d	e	f	g	h	i
				(d/c)			(g/c)	(g-d)
Year	Total Number of Customers	Total Number of Eligible Customers	Projected		Cumulative Penetration Level %	Actual		
			Cumulative Number of Program Participants	Annual Number of Program Participants		Cumulative Number of Program Participants <sup>(1)</sup>	Cumulative Penetration Level %	Cumulative Participation Over (Under) Projected Participants
2015	4,228,484	837,884	2,000	264	0%	264	0%	(1,736)
2016	4,289,564	850,100	4,000		0%			
2017	4,350,874	862,362	6,000		1%			
2018	4,411,411	874,469	8,000		1%			
2019	4,470,700	886,327	10,000		1%			
2020	4,527,847	897,756	12,000		1%			
2021	4,581,557	908,498	14,000		2%			
2022	4,635,494	919,286	16,000		2%			
2023	4,690,133	930,214	18,000		2%			
2024	4,745,553	941,298	20,000		2%			

2015	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Savings	0.22	0.23	57	61
Winter kW Savings	0.08	0.08	20	22
kWh Savings	455	482	120,000	127,207

<b>2015</b>	
Utility Cost per Installation	\$336
Total Utility Program Cost (\$000)	\$89
Net Benefits (\$000)	(\$5)

<sup>(1)</sup> Cumulative participants before 2015 = 8,697

# DEMAND-SIDE MANAGEMENT ANNUAL REPORT

Utility: Florida Power & Light Company  
 Program Name: **Business Energy Evaluation**  
 Program Start Date: October 1990  
 Reporting Period: 2015

a	b	c	d	e (d/c)	f	g	h (g/c)	i (g-d)
Year	Total Number of Customers	Total Number of Eligible Customers	Projected		Actual			
			Cumulative Number of Program Participants	Cumulative Penetration Level %	Annual Number of Program Participants	Cumulative Number of Program Participants <sup>(1)</sup>	Cumulative Penetration Level %	Cumulative Participation Over (Under) Projected Participants
2015	8,238,975	549,662	12,000	2%	12,253	12,253	2%	253
2016	8,377,160	558,880	24,000	4%				
2017	8,507,971	567,607	36,000	6%				
2018	8,630,118	575,757	48,000	8%				
2019	8,749,222	583,702	60,000	10%				
2020	8,865,658	591,470	72,000	12%				
2021	8,980,595	599,138	84,000	14%				
2022	9,096,626	606,879	96,000	16%				
2023	9,211,144	614,519	108,000	18%				
2024	9,323,821	622,036	120,000	19%				

2015	
Utility Cost per Installation	\$621
Total Utility Program Cost (\$000)	\$7,607
Net Benefits (\$000)	N/A

- No kW or kWh Savings attributed to this program

<sup>(1)</sup> Cumulative participants before 2015 = 203,124



# DEMAND-SIDE MANAGEMENT ANNUAL REPORT

Utility: Florida Power & Light Company  
 Program Name: **Business On Call**  
 Program Start Date: June 1995  
 Reporting Period: 2015

a	b	c	d	e	f	g	h	i
				(d/c)			(g/c)	(g-d)
Year	Total Number of Customers	Total Number of Eligible Customers	Cumulative Number of Program Participants	Cumulative Penetration Level %	Annual Number of Program Participants	Cumulative Number of Program Participants <sup>(1)</sup>	Cumulative Penetration Level %	Cumulative Participation Over (Under) Projected Participants
2015	8,238,975	1,362,434	3,000	0%	3,087	3,087	0%	87
2016	8,377,160	1,384,939	6,000	0%				
2017	8,507,971	1,406,204	9,000	1%				
2018	8,630,118	1,426,011	12,000	1%				
2019	8,749,222	1,445,305	15,000	1%				
2020	8,865,658	1,464,151	18,000	1%				
2021	8,980,595	1,482,744	21,000	1%				
2022	9,096,626	1,501,521	24,000	2%				
2023	9,211,144	1,520,044	27,000	2%				
2024	9,323,821	1,538,256	30,000	2%				

2015	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Savings	1.00	1.08	3,087	3,322
Winter kW Savings	0.00	0.00	0	0
kWh Savings	0.9	1.0	2,875	3,048

2015	
Utility Cost per Installation <sup>(2)</sup>	\$37
Total Utility Program Cost (\$000) <sup>(3)</sup>	\$3,821
Net Benefits (\$000)	\$118

<sup>(1)</sup> Cumulative participants (MW) before 2015 = 104.0  
<sup>(2)</sup> Based on cumulative active participants at year-end = 103.4  
<sup>(3)</sup> Includes depreciation, return & rebates paid in 2015 to active participants who signed up in 2015 & prior years  
 Note: One Customer, Participant or Installation equals one Summer kW

# DEMAND-SIDE MANAGEMENT ANNUAL REPORT

Utility: Florida Power & Light Company  
 Program Name: Commercial/Industrial Demand Reduction  
 Program Start Date: May 2000  
 Reporting Period: 2015

a	b	c	d	e (d/c)		f	g	h (g/c)	i (g-d)
Year	Total Number of Customers	Total Number of Eligible Customers	Projected		Cumulative Penetration Level %	Annual Number of Program Participants	Cumulative Number of Program Participants <sup>(1)</sup>	Cumulative Penetration Level %	Cumulative Participation Over (Under) Projected Participants
			Cumulative Number of Program Participants	Cumulative Number of Program Participants					
2015	8,238,975	2,914,414	7,500	7,500	0%	7,635	7,635	0%	135
2016	8,377,160	2,955,795	15,000	15,000	1%				
2017	8,507,971	2,994,451	23,000	23,000	1%				
2018	8,630,118	3,029,441	31,000	31,000	1%				
2019	8,749,222	3,063,250	39,000	39,000	1%				
2020	8,865,658	3,096,017	47,000	47,000	2%				
2021	8,980,595	3,128,154	55,000	55,000	2%				
2022	9,096,626	3,160,571	63,000	63,000	2%				
2023	9,211,144	3,192,359	71,000	71,000	2%				
2024	9,323,821	3,240,739	79,000	79,000	2%				

2015	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Savings	1.00	1.08	7,635	8,216
Winter kW Savings	0.64	0.69	4,910	5,284
kWh Savings	10.93	11.59	83,451	88,463

2015	
Utility Cost per Installation <sup>(2)</sup>	\$76
Total Utility Program Cost (\$000) <sup>(3)</sup>	\$18,602
Net Benefits (\$000)	\$167

<sup>(1)</sup> Cumulative participants (MW) before 2015 = 239.0  
<sup>(2)</sup> Based on cumulative active participants at year-end = 245.6  
<sup>(3)</sup> Includes rebates paid in 2015 to active participants who signed up in 2015 & prior years  
 Note: One Customer, Participant or Installation equals one Summer kW



# DEMAND-SIDE MANAGEMENT ANNUAL REPORT

Utility: Florida Power & Light Company  
 Program Name: **Business Heating, Ventilating & Air Conditioning**  
 Program Start Date: February 1990  
 Reporting Period: 2015

a	b	c	d	e (d/c)	f	g	h (g/c)	i (g-d)
	Total Number of Customers	Total Number of Eligible Customers	Projected		Actual			
Year			Cumulative Number of Program Participants	Cumulative Penetration Level %	Annual Number of Program Participants	Cumulative Number of Program Participants <sup>(1)</sup>	Cumulative Penetration Level %	Cumulative Participation Over (Under) Projected Participants
2015	8,238,975	3,062,593	6,999	0%	5,487	5,487	0%	(1,512)
2016	8,377,160	3,113,463	15,646	1%				
2017	8,507,971	3,159,595	24,450	1%				
2018	8,630,118	3,201,943	33,418	1%				
2019	8,749,222	3,242,852	42,557	1%				
2020	8,865,658	3,282,474	51,874	2%				
2021	8,980,595	3,328,373	61,377	2%				
2022	9,096,626	3,378,291	71,072	2%				
2023	9,211,144	3,432,086	80,967	2%				
2024	9,323,821	3,486,564	91,067	3%				

2015	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Savings	1.00	1.08	5,487	5,904
Winter kW Savings	0.43	0.46	2,345	2,524
kWh Savings	1,912	2,027	10,491,819	11,121,957

2015	
Utility Cost per Installation	\$498
Total Utility Program Cost (\$000)	\$2,735
Net Benefits (\$000)	\$18

<sup>(1)</sup> Cumulative participants (MW) before 2015 = 387,649  
 Note: One Customer, Participant or Installation equals one Summer kW

# DEMAND-SIDE MANAGEMENT ANNUAL REPORT

Utility: Florida Power & Light Company  
 Program Name: **Business Lighting**  
 Program Start Date: June 1984  
 Reporting Period: 2015

a	b	c	d	e (d/c)	f	g	h (g/c)	i (g-d)
	Total Number of Customers	Total Number of Eligible Customers	Projected		Actual			
Year			Cumulative Number of Program Participants	Cumulative Penetration Level %	Annual Number of Program Participants	Cumulative Number of Program Participants <sup>(1)</sup>	Cumulative Penetration Level %	Cumulative Participation Over (Under) Projected Participants
2015	8,238,975	1,731,118	2,104	0%	1,700	1,700	0%	(404)
2016	8,377,160	1,764,214	4,674	0%				
2017	8,507,971	1,793,756	7,421	0%				
2018	8,630,118	1,821,101	10,354	1%				
2019	8,749,222	1,846,534	13,480	1%				
2020	8,865,658	1,872,615	16,806	1%				
2021	8,980,595	1,896,621	20,341	1%				
2022	9,096,626	1,919,617	24,093	1%				
2023	9,211,144	1,943,381	28,072	1%				
2024	9,323,821	1,968,007	32,286	2%				

2015	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Savings	1.00	1.08	1,700	1,830
Winter kW Savings	0.63	0.68	1,078	1,160
kWh Savings	5,033	5,336	8,559,367	9,073,443

2015	
Utility Cost per Installation	\$207
Total Utility Program Cost (\$000)	\$352
Net Benefits (\$000)	\$7

<sup>(1)</sup> Cumulative participants (MW) before 2015 = 288,007  
 Note: One Customer, Participant or Installation equals one Summer kW

# DEMAND-SIDE MANAGEMENT ANNUAL REPORT

Utility: Florida Power & Light Company  
 Program Name: **Business Custom Incentive**  
 Program Start Date: April 1993  
 Reporting Period: 2015

a	b	c	d	e (d/c)	f	g	h (g/c)	i (g-d)
	Total Number of Customers	Total Number of Eligible Customers	Projected		Actual			
Year			Cumulative Number of Program Participants	Cumulative Penetration Level %	Annual Number of Program Participants	Cumulative Number of Program Participants <sup>(1)</sup>	Cumulative Penetration Level %	Cumulative Participation Over (Under) Projected Participants
2015	8,238,975	411,949	451	0%	2,210	2,210	1%	1,758
2016	8,377,160	418,858	1,001	0%				
2017	8,507,971	425,399	1,552	0%				
2018	8,630,118	431,506	2,125	0%				
2019	8,749,222	437,461	2,797	1%				
2020	8,865,658	443,283	3,462	1%				
2021	8,980,595	449,030	4,104	1%				
2022	9,096,626	454,831	4,800	1%				
2023	9,211,144	460,557	5,441	1%				
2024	9,323,821	466,191	6,105	1%				

2015	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Savings	1.00	1.08	2,210	2,378
Winter kW Savings	1.03	1.11	2,271	2,444
kWh Savings	6,776	7,183	14,971,394	15,870,576

2015	
Utility Cost per Installation	\$219
Total Utility Program Cost (\$000)	\$484
Net Benefits (\$000)	\$309

<sup>(1)</sup> Cumulative participants (MW) before 2015 = 47,251  
 Note: One Customer, Participant or Installation equals one Summer kW



# DEMAND-SIDE MANAGEMENT ANNUAL REPORT

Utility: Florida Power & Light Company  
 Program Name: Residential Photovoltaic Pilot  
 Program Start Date: June 2011  
 Reporting Period: 2015

a	b	c	d	e (d/c)	f	g	h (g/c)	i (g-d)
				Projected			Actual	
Year	Total Number of Customers	Total Number of Eligible Customers	Cumulative Number of Program Participants <sup>(1)</sup>	Cumulative Penetration Level %	Annual Number of Program Participants	Cumulative Number of Program Participants	Cumulative Penetration Level %	Cumulative Participation Over (Under) Projected Participants
2015	4,228,484	4,227,454	389	0%	431	431	0%	42
2016								
2017								
2018								
2019				<i>Pilot terminated year-end 2015</i>				
2020								
2021								
2022								
2023								
2024								

2015	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Savings	3.10	3.34	1,337	1,438
Winter kW Savings	0.11	0.12	49	52
kWh Savings	10,160	10,771	4,379,131	4,642,141

2015	
Utility Cost per Installation	\$18,074
Total Utility Program Cost (\$000)	\$7,790
Net Benefits (\$000)	(\$567)

<sup>(1)</sup> Cumulative participants before 2015 = 1,031

# DEMAND-SIDE MANAGEMENT ANNUAL REPORT

Utility: Florida Power & Light Company  
 Program Name: **Business Photovoltaic Pilot**  
 Program Start Date: June 2011  
 Reporting Period: 2015

a	b	c	d	Projected		e	f	g	h	i
				Cumulative Number of Program Participants <sup>(1)</sup>	Cumulative Penetration Level %	(d/c)	Annual Number of Program Participants	Cumulative Number of Program Participants	Cumulative Penetration Level %	Cumulative Participation Over (Under) Projected Participants
Year	Total Number of Customers	Total Number of Eligible Customers								(g-d)
2015	8,238,975	549,458		76	0%		55	55	0%	(21)
2016										
2017										
2018										
2019										
2020										
2021										
2022										
2023										
2024										

2015	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Savings	13.46	14.49	740	797
Winter kW Savings	1.28	1.38	71	76
kWh Savings	44,137	46,788	2,427,561	2,573,361

<b>2015</b>	
Utility Cost per Installation	\$39,512
Total Utility Program Cost (\$000)	\$2,173
Net Benefits (\$000)	(\$61)

<sup>(1)</sup> Cumulative participants before 2015 = 204



# DEMAND-SIDE MANAGEMENT ANNUAL REPORT

Utility: Florida Power & Light Company  
 Program Name: **Business Photovoltaic for Schools Pilot**  
 Program Start Date: June 2011  
 Reporting Period: 2015

a	b	c	d	e (d/c)	f	g	h (g/c)	i (g-d)
Year	Total Number of Customers	Total Number of Eligible Customers	Projected		Actual			
			Cumulative Number of Program Participants <sup>(1)</sup>	Cumulative Penetration Level %	Annual Number of Program Participants	Cumulative Number of Program Participants	Cumulative Penetration Level %	Cumulative Participation Over (Under) Projected Participants
2015	8,238,975	1,243	28	2%	24	24	2%	(4)
2016								
2017								
2018								
2019				<i>Pilot terminated year-end 2015</i>				
2020								
2021								
2022								
2023								
2024								

2015	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Savings	4.04	4.34	97	104
Winter kW Savings	0.38	0.41	9	10
kWh Savings	13,237	14,032	317,695	336,775

<b>2015</b>	
Utility Cost per Installation	\$92,376
Total Utility Program Cost (\$000) <sup>(2)</sup>	\$2,217
Net Benefits (\$000)	(\$188)

<sup>(1)</sup> Cumulative participants before 2015 = 92

<sup>(2)</sup> Includes depreciation & return in 2015 for participants who signed up since inception

# DEMAND-SIDE MANAGEMENT ANNUAL REPORT

Utility: Florida Power & Light Company  
 Program Name: Residential Solar Water Heating Pilot  
 Program Start Date: June 2011  
 Reporting Period: 2015

a	b	c	d	e	f	g	h	i
				(d/c)			(g/c)	(g-d)
				Projected			Actual	
Year	Total Number of Customers	Total Number of Eligible Customers	Cumulative Number of Program Participants <sup>(1)</sup>	Cumulative Penetration Level %	Annual Number of Program Participants	Cumulative Number of Program Participants	Cumulative Penetration Level %	Cumulative Participation Over (Under) Projected Participants
2015	4,228,484	4,224,641	900	0%	866	866	0%	(34)
2016								
2017								
2018								
2019				<i>Pilot terminated year-end 2015</i>				
2020								
2021								
2022								
2023								
2024								

	Per Installation <sup>(2)</sup>		Program Total	
2015	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Savings	0.15	0.16	130	139
Winter kW Savings	0.19	0.20	163	176
kWh Savings	1,189	1,260	1,029,678	1,091,520

2015	
Utility Cost per Installation	\$1,238
Total Utility Program Cost (\$000)	\$1,072
Net Benefits (\$000)	(\$105)

<sup>(1)</sup> Cumulative participants before 2015 = 3,870  
<sup>(2)</sup> Reflects only the 850 electric water heaters replaced (gas = 16 replacements)

# DEMAND-SIDE MANAGEMENT ANNUAL REPORT

Utility: Florida Power & Light Company  
 Program Name: Residential Solar Water Heating (Low Income New Construction) Pilot  
 Program Start Date: June 2011  
 Reporting Period: 2015

a	b	c	d	e	f	g	h	i
				(d/c)			(g/c)	(g-d)
			Projected		Actual			
Year	Total Number of Customers	Total Number of Eligible Customers	Cumulative Number of Program Participants <sup>(1)</sup>	Cumulative Penetration Level %	Annual Number of Program Participants	Cumulative Number of Program Participants	Cumulative Penetration Level %	Cumulative Participation Over (Under) Projected Participants
2015	4,228,484	404	120	30%	65	65	16%	(55)
2016								
2017								
2018								
2019								
2020								
2021								
2022								
2023								
2024								

2015	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Savings	0.15	0.16	10	11
Winter kW Savings	0.19	0.21	12	13
kWh Savings	1,209	1,282	78,585	83,305

2015	
Utility Cost per Installation	\$4,974
Total Utility Program Cost (\$000)	\$323
Net Benefits (\$000)	(\$30)

<sup>(1)</sup> Cumulative participants before 2015 = 482



# DEMAND-SIDE MANAGEMENT ANNUAL REPORT

Utility: Florida Power & Light Company  
 Program Name: Business Solar Water Heating Pilot  
 Program Start Date: June 2011  
 Reporting Period: 2015

a	b	c	d	e (d/c)	f	g	h (g/c)	i (g-d)
				Projected			Actual	
Year	Total Number of Customers	Total Number of Eligible Customers	Cumulative Number of Program Participants <sup>(1)</sup>	Cumulative Penetration Level %	Annual Number of Program Participants	Cumulative Number of Program Participants	Cumulative Penetration Level %	Cumulative Participation Over (Under) Projected Participants
2015	8,238,975	549,621	87	0%	1	1	0%	(86)
2016								
2017								
2018								
2019				<i>Pilot terminated year-end 2015</i>				
2020								
2021								
2022								
2023								
2024								

	Per Installation <sup>(2)</sup>		Program Total	
2015	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Savings	0.78	0.84	0.78	1
Winter kW Savings	0.06	0.06	0.06	0
kWh Savings	2,856	3,028	2,856	3,028

2015	
Utility Cost per Installation	\$22,516
Total Utility Program Cost (\$000)	\$23
Net Benefits (\$000)	(\$1)

<sup>(1)</sup> Cumulative participants before 2015 = 41

<sup>(2)</sup> Reflects only the 1 electric water heaters replaced (gas = 0 replacements)

# DEMAND-SIDE MANAGEMENT ANNUAL REPORT

Utility: Florida Power & Light Company  
 Reporting Period: 2015  
 Program Name: Residential Duct System Testing and Repair - DISCONTINUED  
 Program Start Date: August 1991

2015	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Reduction	0.20	0.21	256	275
Winter kW Reduction	0.23	0.24	296	319
kWh Reduction	428	454	561,044	594,740

Annual Number of Program Participants	1,311
Utility Cost per Installation	\$413
Total Utility Program Cost (\$000)	\$541

Cumulative participants prior to 2015 = 503,041

Program Name: Business Building Envelope - DISCONTINUED  
 Program Start Date: June 1995

2015	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Reduction	1.00	1.08	4,350	4,681
Winter kW Reduction <sup>(1)</sup>	0.00	-0.01	-22	-23
kWh Reduction	1,961	2,079	8,532,679	9,045,152

Annual Number of Program Participants	4,350
Utility Cost per Installation	\$990
Total Utility Program Cost (\$000)	\$4,306

Cumulative participants prior to 2015 = 116,302

<sup>(1)</sup> The negative value is the result of the proportionately large participation in the Window Treatment measure  
 Note: One Customer, Participant or Installation equals one Summer kW



# DEMAND-SIDE MANAGEMENT ANNUAL REPORT

Utility: Florida Power & Light Company  
 Reporting Period: 2015  
 Program Name: **Business Refrigeration - DISCONTINUED**  
 Program Start Date: May 2006

2015	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Reduction	1.00	1.08	83	90
Winter kW Reduction	0.86	0.93	72	77
kWh Reduction	4,872	5,165	406,797	431,229

Annual Number of Program Participants	83
Utility Cost per Installation	\$323
Total Utility Program Cost (\$000)	\$27

Cumulative participants prior to 2015 = 1,915  
 Note: One Customer, Participant or Installation equals one Summer kW

Program Name: **Business Water Heating - DISCONTINUED**  
 Program Start Date: May 2006

2015	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Reduction	1.00	1.08	6	6
Winter kW Reduction	0.62	0.67	4	4
kWh Reduction	4,304	4,562	25,391	26,916

Annual Number of Program Participants	6
Utility Cost per Installation	\$1,391
Total Utility Program Cost (\$000)	\$8

Cumulative participants prior to 2015 = 279  
 Note: One Customer, Participant or Installation equals one Summer kW

## RESEARCH & DEVELOPMENT

**Conservation Research & Development (“CRD”) Program:** CRD is an umbrella program under which FPL researches a wide variety of new technologies to evaluate their potential for reductions in peak load and energy as well as customer bill savings. Florida’s climatic conditions are unique so the studies must incorporate the effects of our hot humid environment. Favorable evaluation results can lead to incorporation in FPL’s DSM programs. Examples of technologies that have been included are: Energy Recovery Ventilators; Demand Control Ventilation; and Residential Air Conditioning Duct Plenum Seal. Examples of other potentially viable candidates currently being considered are: variable speed pool pumps; hotel occupancy sensors; and residential heat pump water heaters.

FPL partners with the Florida Solar Energy Center and engineering departments of several Florida universities in its research projects. In 2015, FPL had active research projects with two universities. In addition, FPL participates in relevant co-funded projects through the U.S. Department of Energy (“DOE”). This co-funding enables FPL to participate in larger research projects at a fraction of the total cost.

In 2015, three CRD projects were completed. The first was a field test to determine the energy and demand characteristics of smart thermostat technologies in residential applications. The second was a field research project at a supermarket to quantify the savings of a control system which varied the speed of the evaporator fan and the position of the supply air damper on a large rooftop HVAC unit. The third was a laboratory test to evaluate the capabilities and effectiveness of AMI-enabled load control switches to determine their potential viability as replacements for the switches currently used in FPL’s Residential Load Management program.

Additionally, there was one project that began in 2014 and will be completed in 2016. This is Phase II of the co-funded DOE Building America Deep Retrofit project which is aimed at improving energy efficiency of existing homes with higher-cost (“deep”) retrofit measures. The equipment was installed in 2014 and the subsequent ongoing data collection and analysis will finish in first quarter of 2016.

**Renewable Research & Demonstration (“RRD”):** RRD’s overall objectives were to: (a) increase awareness of mainstream solar technologies; and (b) evaluate emerging renewable technologies and their applications. The three strategies to meet these objectives were:

1. Demonstrate commercially-available photovoltaic (“PV”) and solar water heating (“SWH”) systems in real-world field installations.
2. Conduct specific research projects to quantify the performance of renewable products which are less well known, but worthy of closer examination.
3. Educate contractors and the public about the proper way to install solar systems for best performance.

To achieve these, FPL has: installed PV systems and educational displays at public facilities with large numbers of visitors; funded scientific research conducted by Florida universities or other qualified laboratories to test emerging renewable energy technologies; and partnered with universities and technical centers to increase access for solar contractors’ training and provided education to FPL’s residential and business customers.

In 2015, FPL completed its final renewable demonstration installation at the Elliot Museum in Stuart. This project brought the total number of demonstration sites completed during the pilot to 12 projects.

## **OTHER CONSERVATION ACTIVITIES**

**Cogeneration & Small Power Production:** The objective of this program is to facilitate cogeneration and small power production facilities. In 2015, there were purchases from thirteen facilities. These facilities produced 1,772 GWH, summer demand of 737 MW and winter demand of 192 MW.