



Jessica A. Cano  
Senior Attorney  
Florida Power & Light Company  
700 Universe Boulevard  
Juno Beach, FL 33408-0420  
(561) 304-5226  
(561) 691-7135 (Facsimile)

March 1, 2017

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 2016 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 2016 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.

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

Sincerely,

*s/ Jessica Cano*

\_\_\_\_\_  
Jessica Cano  
Fla. Bar No. 37372

cc: Tripp Coston  
Enclosure

**FLORIDA POWER & LIGHT COMPANY  
2016 DEMAND-SIDE MANAGEMENT  
ANNUAL REPORT**

March 1, 2017

**FLORIDA POWER & LIGHT COMPANY  
2016 DEMAND-SIDE MANAGEMENT ANNUAL REPORT**

	<b><u>Page</u></b>
<b>Comparison of Achieved MW and GWh Savings v. Goals</b>	1
<b>Residential Portfolio</b>	
Residential Home Energy Survey	2
Residential Load Management (On Call <sup>®</sup> )	3
Residential Air Conditioning	4
Residential New Construction (BuildSmart <sup>®</sup> )	5
Residential Ceiling Insulation	6
Residential Low Income	7
<b>Business Portfolio</b>	
Business Energy Evaluation	8
Business On Call	9
Commercial/Industrial Demand Reduction	10
Business Heating, Ventilating & Air Conditioning	11
Business Lighting	12
Business Custom Incentive	13
<b>Discontinued</b>	
Business Building Envelope	14
Residential Solar Water Heating Pilot	14
<b>Conservation Research &amp; Development Program</b>	15
<b>Other Conservation Activities</b>	15

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

Reporting Period: 2016

Residential and Business Combined (@ Generator)									
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	% Variance
2015	86.0	48.1	79%	44.5	29.2	52%	156.2	41.2	279%
2016	52.2	49.6	5%	32.9	30.1	9%	62.6	45.6	37%
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	

Residential (@ Generator)									
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	% Variance
2015	58.7	25.3	132%	32.9	15.6	111%	107.7	21.6	398%
2016	26.1	25.6	2%	18.0	15.8	14%	22.5	22.2	1%
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	

Business (@ Generator)									
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	% Variance
2015	27.3	22.8	20%	11.6	13.6	-15%	48.6	19.6	148%
2016	26.1	24.0	9%	14.9	14.3	4%	40.1	23.4	71%
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	

Utility: Florida Power & Light Company  
 Program Name: **Residential Home Energy Survey**  
 Program Start Date: January 1981  
 Reporting Period: 2016

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%	112,878	262,283	6%	62,283
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%				

2016	
Utility Cost per Installation	\$104
Total Utility Program Cost (\$000)	\$11,741
Net Benefits (\$000)	N/A

- No kW or kWh savings attributed to this program

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

Utility: Florida Power & Light Company  
 Program Name: **Residential Load Management (On Call®)**  
 Program Start Date: July 1986  
 Reporting Period: 2016

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	3,418,006	12,000	0%	4,422	4,422	0%	(7,578)
2016	4,289,564	3,479,086	24,000	1%	7,302	11,724	0%	(12,276)
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%				

2016	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Savings	1.96	2.09	14,293	15,294
Winter kW Savings	1.93	2.06	14,059	15,042
kWh Savings	1	1	10,160	10,704

2016	
Utility Cost per Installation <sup>(2)</sup>	\$61
Total Utility Program Cost (\$000) <sup>(3)</sup>	\$48,212
Net Benefits (\$000)	\$329

<sup>(1)</sup> Cumulative participants before 2015 = 810,074

<sup>(2)</sup> Based on cumulative active participants at year-end = 785,068

<sup>(3)</sup> Includes depreciation, return & incentives paid in 2016 to active participants who signed up in 2016 & prior years

Utility: Florida Power & Light Company  
 Program Name: **Residential Air Conditioning**  
 Program Start Date: October 1990  
 Reporting Period: 2016

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	2,200,756	23,398	1%	93,077	93,077	4%	69,679
2016	4,289,564	2,215,785	53,092	2%	26,574	119,651	5%	66,559
2017	4,350,874	2,247,102	83,432	4%				
2018	4,411,411	2,257,195	114,360	5%				
2019	4,470,700	2,286,386	145,852	6%				
2020	4,527,847	2,306,455	178,074	8%				
2021	4,581,557	2,323,925	210,900	9%				
2022	4,635,494	2,319,715	243,975	11%				
2023	4,690,133	2,351,899	277,422	12%				
2024	4,745,553	2,384,533	311,449	13%				

2016	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Savings	0.29	0.31	7,795	8,341
Winter kW Savings	0.00	0.00	14	15
kWh Savings	586	617	15,571,108	16,405,252

2016	
Utility Cost per Installation	\$197
Total Utility Program Cost (\$000)	\$5,225
Net Benefits (\$000)	\$9

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

Utility: Florida Power & Light Company  
 Program Name: **Residential New Construction (BuildSmart®)**  
 Program Start Date: February 1996  
 Reporting Period: 2016

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%	2,399	5,399	6%	2,377
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%				

2016	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Savings	0.47	0.51	1,133	1,212
Winter kW Savings	0.17	0.18	405	433
kWh Savings	1,092	1,151	2,619,841	2,760,186

2016	
Utility Cost per Installation	\$222
Total Utility Program Cost (\$000)	\$532
Net Benefits (\$000)	\$5

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



Utility: Florida Power & Light Company  
 Program Name: **Residential Ceiling Insulation**  
 Program Start Date: October 1981  
 Reporting Period: 2016

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	1,257,387	3,748	0%	9,105	9,105	1%	5,357
2016	4,289,564	1,253,639	8,601	1%	3,909	13,014	1%	4,413
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%				

2016	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Savings	0.23	0.25	918	982
Winter kW Savings	0.58	0.62	2,254	2,412
kWh Savings	624	657	2,437,833	2,568,428

2016	
Utility Cost per Installation	\$214
Total Utility Program Cost (\$000)	\$838
Net Benefits (\$000)	\$3

<sup>(1)</sup> Cumulative participants before 2015 = 559,104  
 2015 & 2016 data reflects ceiling insulation plus the other measures with which it was previously bundled under the now discontinued Building Envelope program

Utility: Florida Power & Light Company  
 Program Name: **Residential Low Income**  
 Program Start Date: March 2005  
 Reporting Period: 2016

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	837,884	2,000	0%	264	264	0%	(1,736)
2016	4,289,564	850,100	4,000	0%	1,054	1,318	0%	(2,682)
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%				

2016	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Savings	0.27	0.29	281	301
Winter kW Savings	0.08	0.09	87	93
kWh Savings	630	663	663,499	699,043

2016	
Utility Cost per Installation	\$390
Total Utility Program Cost (\$000)	\$411
Net Benefits (\$000)	(\$18)

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

Utility: Florida Power & Light Company  
 Program Name: **Business Energy Evaluation**  
 Program Start Date: October 1990  
 Reporting Period: 2016

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%	12,108	24,361	4%	361
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%				

2016	
Utility Cost per Installation	\$655
Total Utility Program Cost (\$000)	\$7,936
Net Benefits (\$000)	N/A

- No kW or kWh Savings attributed to this program

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

Utility: Florida Power & Light Company  
 Program Name: **Business On Call**  
 Program Start Date: June 1995  
 Reporting Period: 2016

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	1,362,434	3,000	0%	3,087	3,087	0%	87
2016	8,377,160	1,384,939	6,000	0%	2,628	5,715	0%	(285)
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%				

2016	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Savings	1.00	1.07	2,628	2,811
Winter kW Savings	0.00	0.00	0	0
kWh Savings	1	1	2,654	2,796

2016	
Utility Cost per Installation <sup>(2)</sup>	\$38
Total Utility Program Cost (\$000) <sup>(3)</sup>	\$3,819
Net Benefits (\$000)	\$100

<sup>(1)</sup> Cumulative participants (MW) before 2015 = 104.0

<sup>(2)</sup> Based on cumulative active participants at year-end = 100.0

<sup>(3)</sup> Includes depreciation, return & incentives paid in 2016 to active participants who signed up in 2016 & prior years

Note: One Customer, Participant or Installation equals one Summer kW

Utility: Florida Power & Light Company  
 Program Name: **Commercial/Industrial Demand Reduction**  
 Program Start Date: May 2000  
 Reporting Period: 2016

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	2,914,414	7,500	0%	7,635	7,635	0%	135
2016	8,377,160	2,955,795	15,000	1%	7,598	15,233	1%	233
2017	8,507,971	2,994,451	23,000	1%				
2018	8,630,118	3,029,441	31,000	1%				
2019	8,749,222	3,063,250	39,000	1%				
2020	8,865,658	3,096,017	47,000	2%				
2021	8,980,595	3,128,154	55,000	2%				
2022	9,096,626	3,160,571	63,000	2%				
2023	9,211,144	3,192,359	71,000	2%				
2024	9,323,821	3,240,739	79,000	2%				

2016	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Savings	1.00	1.07	7,598	8,130
Winter kW Savings	0.64	0.69	4,886	5,228
kWh Savings	11	11	82,666	87,095

2016	
Utility Cost per Installation <sup>(2)</sup>	\$77
Total Utility Program Cost (\$000) <sup>(3)</sup>	\$19,435
Net Benefits (\$000)	\$166

<sup>(1)</sup> Cumulative participants (MW) before 2015 = 239.0  
<sup>(2)</sup> Based on cumulative active participants at year-end = 251.3  
<sup>(3)</sup> Includes incentives paid in 2016 to active participants who signed up in 2016 & prior years  
 Note: One Customer, Participant or Installation equals one Summer kW

Utility: Florida Power & Light Company  
 Program Name: **Business Heating, Ventilating & Air Conditioning**  
 Program Start Date: February 1990  
 Reporting Period: 2016

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	3,062,593	6,999	0%	5,487	5,487	0%	(1,512)
2016	8,377,160	3,113,463	15,646	1%	9,552	15,038	0%	(608)
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%				

2016	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Savings	1.00	1.07	9,552	10,220
Winter kW Savings	0.55	0.59	5,251	5,618
kWh Savings	1,106	1,165	10,561,904	11,127,705

2016	
Utility Cost per Installation	\$604
Total Utility Program Cost (\$000)	\$5,767
Net Benefits (\$000)	\$32

<sup>(1)</sup> Cumulative participants (MW) before 2015 = 387,649

Note: One Customer, Participant or Installation equals one Summer kW

Utility: Florida Power & Light Company  
 Program Name: **Business Lighting**  
 Program Start Date: June 1984  
 Reporting Period: 2016

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	1,731,118	2,104	0%	1,700	1,700	0%	(404)
2016	8,377,160	1,764,214	4,674	0%	1,612	3,312	0%	(1,361)
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%				

2016	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Savings	1.00	1.07	1,612	1,724
Winter kW Savings	0.64	0.68	1,029	1,102
kWh Savings	5,041	5,311	8,124,994	8,560,250

2016	
Utility Cost per Installation	\$193
Total Utility Program Cost (\$000)	\$312
Net Benefits (\$000)	\$7

<sup>(1)</sup> Cumulative participants (MW) before 2015 = 288,007

Note: One Customer, Participant or Installation equals one Summer kW

Utility: Florida Power & Light Company  
 Program Name: **Business Custom Incentive**  
 Program Start Date: April 1993  
 Reporting Period: 2016

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	411,949	451	0%	2,210	2,210	1%	1,758
2016	8,377,160	418,858	1,001	0%	2,760	4,969	1%	3,968
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%				

2016	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Savings	1.00	1.07	2,760	2,953
Winter kW Savings	1.00	1.07	2,770	2,963
kWh Savings	6,813	7,178	18,800,875	19,808,038

2016	
Utility Cost per Installation	\$231
Total Utility Program Cost (\$000)	\$638
Net Benefits (\$000)	\$232

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



Program Name: **Business Building Envelope - DISCONTINUED**  
 Program Start Date: June 1995  
 Reporting Period: 2016

2016	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Reduction	1.00	1.07	258	276
Winter kW Reduction	0.00	0.00	0	0
kWh Reduction	1,932	2,035	497,499	524,150

Annual Number of Program Participants	258
Utility Cost per Installation	\$939
Total Utility Program Cost (\$000)	\$242

Cumulative participants prior to 2016 = 120,652  
 Note: One Customer, Participant or Installation equals one Summer kW

Program Name: **Residential Solar Water Heating Pilot - DISCONTINUED**  
 Program Start Date: June 2011  
 Reporting Period: 2016

2016	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Summer kW Reduction	0.15	0.16	2	2
Winter kW Reduction	0.19	0.20	3	3
kWh Reduction	1,209	1,274	16,926	17,833

Annual Number of Program Participants	14
Utility Cost per Installation	\$1,190
Total Utility Program Cost (\$000)	\$17

Cumulative participants prior to 2016 = 4,736

## **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 reflect 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.

FPL partners with the Florida Solar Energy Center and engineering departments of several Florida universities in its research projects. In 2016, FPL had one active research project with a Florida university. In addition, FPL participates in relevant co-funded projects through the U.S. Department of Energy (“DOE”) and the Electric Power Research Institute (“EPRI”). This co-funding enables FPL to participate in larger research projects at a fraction of the total cost. In 2016, one such project was completed; Phase II of the co-funded DOE Building America Deep Retrofit project. This project aims to improve energy efficiency of existing homes with higher-cost (“deep”) retrofit measures. The equipment was installed in 2014 and the subsequent data collection and analysis was completed in the first quarter of 2016.

Three projects are expected to be completed in 2017. First is the Load Management Software and Hardware Evaluation project which is examining the benefits of potential upgrades for FPL’s Residential Load Management Program. Phase I has been completed and Phase II testing is to identify any incremental benefits from combining new transponder technology with new software. The second project will evaluate the performance of a Precision Temperature Monitoring (“PTM”) device in customers’ homes. FPL will be investigating the usability of a redesigned PTM and the effectiveness of its data analysis in educating customers and driving behavioral changes. The final project is in conjunction with EPRI to provide its utility partners with a readiness assessment of multiple technologies in various stages of development and enable comparisons among these technologies.

## **OTHER CONSERVATION ACTIVITIES**

**Cogeneration & Small Power Production:** The objective of this program is to facilitate cogeneration and small power production facilities. In 2016, there were purchases from 11 facilities which produced summer demand of 399 MW, winter demand of 111 MW and 902 GWh.