



Dianne M. Triplett
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Duke Energy Florida, Inc.

September 23, 2014

Via ELECTRONIC DELIVERY

Ms. Carlotta Stauffer, Commission Clerk
Office of Commission Clerk
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

Re: *Docket 140000-OT – 2014 FEECA Report Data Collection*

Ms. Stauffer:

Please find enclosed for filing on behalf of Duke Energy Florida, Inc. ("DEF"), DEF's Response to Staff's First Data Request issued on September 3, 2014 in the above-referenced matter.

Thank you for your assistance in this matter. If you have any questions, please feel free to contact me at (727) 820-4692.

Sincerely,

/s/ Dianne M. Triplett

Dianne M. Triplett

DT:at
Attachments

Docket 140000-OT – 2014 FEECA Report Data Collection

DEF’s Response to Staff’s 1st Data Request

1. In 2010, the Commission began measuring goals on an annual basis. However, some FEECA utilities did not have their new programs approved until late 2010. Please use the attached table to provide the following in Excel format:
 - Using the former 2004 goals measuring system as a baseline, please provide the cumulative demand and energy savings achieved in 2005 – 2009. All savings should be at the generator.

RESPONSE:

Cumulative Savings Achieved vs Cumulative Totals Using the 2004 goals measuring system as a baseline									
	Winter Peak MW Reduction			Summer Peak MW Reduction			GWh Energy Reduction		
Year	Achieved	Goal	+(-) %	Achieved	Goal	+(-) %	Achieved	Goal	+(-) %
2005	58	49	18%	28	18	57%	35	25	36%
2006	117	87	35%	56	30	90%	72	43	65%
2007	201	125	61%	109	43	151%	123	63	97%
2008	310	166	87%	195	55	255%	208	82	155%
2009	414	204	103%	274	69	298%	301	101	198%

- For the 2010 - 2013 periods, please show annual goal achievements using the current goals established in 2009. All savings reported should be at the generator.

RESPONSE:

Annual Savings Achieved vs Annual Goals Using the current goals established in 2009									
	Winter Peak MW Reduction			Summer Peak MW Reduction			GWh Energy Reduction		
Year	Achieved	Goal	+(-) %	Achieved	Goal	+(-) %	Achieved	Goal	+(-) %
2010	116	87	34%	80	93	-14%	124	293	-58%
2011	105	92	14%	69	98	-30%	119	301	-61%
2012	94	102	-8%	63	110	-43%	115	313	-63%
2013	69	105	-34%	53	112	-52%	84	320	-74%

To ensure that DEF has fully responded to this data request, it is providing the tables below to show cumulative savings using the 2004 and 2009 goals over the 2005-2013 time period.

Cumulative Savings with Public Service Commission Established 2004 Goals

TOTAL DSM PROGRAMS									
YEAR	WINTER PEAK MW REDUCTIONS COMMISSION			SUMMER PEAK MW REDUCTIONS COMMISSION			GWH ENERGY REDUCTION COMMISSION		
	TOTAL	APPROVED	+(-)	TOTAL	APPROVED	+(-)	TOTAL	APPROVED	+(-)
	ACHIEVED	GOAL*	%	ACHIEVED	GOAL*	%	ACHIEVED	GOAL*	%
2005	58	49	18%	28	18	57%	35	25	36%
2006	117	87	35%	56	30	90%	72	43	65%
2007	201	125	61%	109	43	151%	123	63	97%
2008	310	166	87%	195	55	255%	208	82	155%
2009	414	204	103%	274	69	298%	301	101	198%
2010	530	244	117%	354	81	340%	425	120	254%
2011	635	289	120%	423	95	343%	543	140	288%
2012	729	333	119%	486	109	346%	659	160	312%
2013	798	355	125%	539	115	369%	743	170	337%

Cumulative Savings with Public Service Commission Established 2004 and 2009 Goals

Year	Winter Peak MW Reduction			Summer Peak MW Reduction			GWh Energy Reduction		
	Total	Commission	+ (-)	Total	Commission	+ (-)	Total	Commission	+ (-)
	Achieved	Approved	%	Achieved	Approved	%	Achieved	Approved	%
2005	58	49	18%	28	18	57%	35	25	36%
2006	117	87	35%	56	30	90%	72	43	65%
2007	201	125	61%	109	43	151%	123	63	97%
2008	310	166	87%	195	55	255%	208	82	155%
2009	414	204	103%	274	69	298%	301	101	198%
2010	530	290	83%	354	162	118%	425	393	8%
2011	635	382	66%	423	260	63%	543	694	-22%
2012	729	485	50%	486	370	31%	659	1,007	-35%
2013	798	590	35%	539	482	12%	743	1,327	-44%

2. Please refer to Utility Company’s 2013 Annual Demand-Side Management report filed with the Commission in March 2014. Specifically, refer to the section in which demand and energy program savings are compared to Commission approved goals. If the company failed to meet its Commission approved goals in the Residential or Commercial/Industrial sector, please provide the following in Excel format:

- a. Identify the name of the program(s) that did not meet their projected participation levels which in-turn resulted in underachieving targeted goals, measured at the generator. For each identified program, please complete the tables below in Excel format.

RESPONSE:**2013 Residential Programs that Did Not Meet Projected Participation Levels**

Program Name	Target Number of Customers	Target Energy Savings GWh	Actual Number of Customers	Actual Energy Savings GWh
Home Energy Check	37,120	12.7	31,643	7.7
Neighborhood Energy Saver	3,251	3.6	2,911	3.1
Solar Water Heat with EM	2,250	4.1	259	0.5
Solar Water Heat Low Income	30	0.1	24	0.1
Residential Energy Management	7,700	-	4,321	0.1

What actions will the Company take to increase the participation rate in its under performing residential programs in order to meet the Commission-approved goals?

RESPONSE:

As noted in DEF's 2013 Annual Demand-Side Management report filed with the Commission in March 2014, DEF exceeded its commercial/industrial goals, but was not able to meet its goals in the residential sector due to reductions in customer participation levels in residential offerings. The value of demand and energy savings within DEF's customer base is unrelated to the origin of the savings; the commercial achievements offset the rates of adoption with the residential segment. DEF achievements represent the installation of measures targeted to reduce winter peak demand, reflecting the design of the Company's approved programs that reduce the growth rates of weather sensitive peak demand. DEF developed internal demand and energy targets following the Commission's approval of its existing DSM Plan. Those internal targets are based on incentive levels and program mix contained within DEF's 2004 DSM Plan and include adjustments for the 2012 Florida Building Code. The individual program results reflect market response to a variety of external factors combined with maturing programs and penetration levels. DEF continues actions to maximize participation in its existing programs. This effort is demonstrated by the fact that DEF has exceeded its projected savings in many of its programs. Participation levels commensurate with the 2010 goals were not established at the program level as the associated plan was not approved. Relative to the 2004 goals and associated plan, all programs exceeded participation levels.

2013 Commercial/Industrial Programs that Did Not Meet Projected Participation Levels

Program Name	Target Number of Customers	Target Energy Savings GWh	Actual Number of Customers	Actual Energy Savings GWh
Better Business	2,468	43.8	992	35.4
Commercial Solar Photovoltaic	23	1.0	12	1.1
Curtaillable Service	1	-	-	-

What actions will the Company take to increase the participation rate in its under performing commercial/industrial programs in order to meet the Commission-approved goals?

RESPONSE:

As noted in DEF's 2013 Annual Demand-Side Management report filed with the Commission in March of 2014, DEF exceeded its commercial/industrial goals. The Better Business Program had fewer participants due to code changes that reduced lighting participants significantly. DEF recognizes the challenge in attaining DSM implementations that surpass mandated baselines. Overall, the commercial/industrial segment exceeded Commission approved goals.

- b. Identify the name and rate class of the programs that exceeded their projected participation levels, measured at the generator.

RESPONSE:

2013 Residential Programs that Exceeded Projected Participation Levels

Program Name	Target Number of Customers	Target Energy Savings GWh	Actual Number of Customers	Actual Energy Savings GWh
Home Energy Improvement	26,186	18.0	29,724	14.6
Residential New Construction	12,105	4.1	23,469	12.5
Low Income Weatherization Assistance	1,671	0.4	1,750	0.4
Residential Solar Photovoltaics	100	0.9	152	2.0

2013 Commercial/Industrial Programs that Exceeded Projected Participation Levels

Program Name	Target Number of Customers	Target Energy Savings GWh	Actual Number of Customers	Actual Energy Savings GWh
Business Energy Check	1,939	0.6	2,070	0.7
Commercial/Indus New Construction	169	3.3	246	5.6
Innovation Incentive	2	-	13	0.3
Photovoltaics for Schools	10	0.4	11	0.3
Standby Generation	10	-	12	0.0
Interruptible Service	1	-	4	0.1

3. Please use the chart below to provide the annual number of Residential and Commercial/Industrial energy audits performed during the 2010-2013 periods. Please provide Excel version with your response.

RESPONSE:**Customer Audits Performed during the 2010 - 2013 Periods**

Type of Audit	# of Audits 2010	# of Audits 2011	# of Audits 2012	# of Audits 2013
Residential on-line	31,121	20,223	17,027	16,764
Residential Mail-In	1,054	339	423	356
Residential In-Home	30,021	24,748	18,419	14,523
Residential Total	62,196	45,310	35,869	31,643
Commercial	2,978	2,488	2,041	1,973
Industrial	37	85	73	97
Com/Industrial Total	3,015	2,573	2,114	2,070

4. Pursuant to Order No. PSC-09-0855-FOF-GU, the Commission directed the investor-owned utilities to spend 10 percent of their historic energy conservation cost recovery expenditures as an annual cap for solar water heating and solar photovoltaic pilot programs. If your utility had any active solar renewable programs in 2013, please complete the following table for each program. Please add columns as necessary to provide other pertinent information that may be helpful to staff in determining whether these programs have been successful. Please provide Excel version with your response.

RESPONSE:**DEF Solar Pilot Programs Active in 2013**

Name of Program	Program Implementation Date	Number of Installs (#)	Incentive Amount Paid to Customers (\$)	Total Program Expenditures (\$)
Solar Water Heating with EM	3/15/2011	259	135,358	170,584
Residential Solar Photovoltaic	3/15/2011	152	2,313,074	2,445,475
Solar Water Heat Low Income Res	3/15/2011	24	95,260	123,594
Commercial Solar Photovoltaic	3/15/2011	12	890,740	920,291
Photovoltaic for Schools Pilot	3/15/2011	11	1,013,253	1,054,297
Research and Demonstration	3/15/2011	N/A	N/A	11,026