



Matthew R. Bernier
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Duke Energy Florida, Inc.

July 21, 2015

Via ELECTRONIC DELIVERY

Ms. Carlotta Stauffer, Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

Re: Docket 150000-OT – 2015 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 June 30, 2015 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 (850) 521-1428.

Sincerely,

/s/ Matthew R. Bernier

Matthew R. Bernier

MRB:at
Attachment

DEF'S RESPONSE TO
STAFF'S FEECA DATA REQUEST #1

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 2006 – 2009. All savings should be at the generator.
 - For the 2010 - 2014 periods, please show annual goal achievements using the current goals established in 2009. All savings reported should be at the generator.

RESPONSE:**Cumulative Savings Achieved - vs - Cumulative Goals**

Year	Winter Peak MW Reduction			Summer Peak MW Reduction			GWh Energy Reduction		
	Achieved	Goal	+ (-) %	Achieved	Goal	+ (-) %	Achieved	Goal	+ (-) %
2006	59	38	55%	28	12	133%	37	18	106%
2007	143	76	88%	81	25	224%	88	38	132%
2008	252	117	115%	167	37	351%	173	57	204%
2009	356	155	130%	246	51	382%	266	76	250%
Annual Savings Achieved vs Annual Goals Using the Current goals established in 2009									
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%
2014	71	108	-34%	61	115	-47%	100	329	-70%

2. Please refer to Utility Company’s 2014 Annual Demand-Side Management report. 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. Please identify the name of the residential 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.
 - b. Please discuss why these residential programs did not meet the projected participation levels. In addition, please describe what actions the Company will take to increase the participation rate in its under performing residential programs in order to meet the Commission-approved goals?

RESPONSE:

2014 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	36,189	12.1	33,178	7.8
Low Income Weatherization	1,699	0.4	1,023	0.3
Neighborhood Energy Saver	3,251	3.6	2,727	2.9
Solar Water Heat with EM	2,250	4.1	306	0.5
Residential Energy Management	7,700	0	3,145	0.1

RESPONSE:

The targeted participation levels and targeted energy savings for 2014 were based on the incentive levels and assumptions that supported the programs included in DEF's 2004 DSM Plan adjusted for the impacts of the 2012 Florida Building Code amendments. The actual program results for 2014 reflect the impacts of a variety of external factors combined with the impacts of maturing programs and penetration levels. The value of the achieved demand and energy savings is the same regardless of the origin of the savings and although these residential programs fell short of the targeted achievements, these shortfalls were more than offset by the achievements by the commercial programs. In March 2015, DEF filed a Program Plan designed to meet the goals established by the Commission for the 2015-2024 time period. This Plan will become the basis for the targeted participation and savings beginning in 2015. This Plan includes updated incentives and savings for each Program. DEF will develop marketing plans to

promote the energy efficiency measures included in this plan and will continue to educate customers about opportunities for savings through the Home Energy Check program.

- c. Please identify the name of the commercial/industrial 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.
- d. Please discuss why these programs did not meet the projected participation levels. In addition, please describe 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:

2014 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	2,297	24.5	1,071	41.4
Commercial Solar Photovoltaic	23	1.0	16	1.3
Curtable Service	1	0	0	0

RESPONSE:

As noted in DEF’s 2014 Annual Demand-Side Management report filed with the Commission in March 2015, DEF exceeded its commercial/industrial goals. The Better Business Program had fewer participants due to code changes that reduced lighting participants significantly. In March 2015, DEF filed a Program Plan designed to meet the goals established by the Commission for the 2015-2024 time period. This Plan will become the basis for the targeted participation and savings beginning in 2015. This Plan includes updated incentives and savings for each Program. DEF will develop marketing plans to promote the energy efficiency measures included in this plan and will continue to educate commercial customers about opportunities for savings through the Business Energy Check program.

- e. Please identify the name and rate class of the programs that exceeded their projected participation levels, measured at the generator.

2014 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	23,926	17.1	30,726	14.7
Residential New Construction	11,500	3.9	33,268	12.3
Solar Water Heat Low Income	30	0.1	31	0.0
Residential Solar Photovoltaics	100	0.9	112	1.6

2014 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	1,842	0.6	2,530	0.7
Comm/Indus New Construction	170	2.3	173	9.8
Innovation Incentive	2	0	12	0.2
Photovoltaics for Schools	10	0.4	11	0.3

3. Please use the chart below to provide the annual number of Residential and Commercial/Industrial energy audits performed during the 2011-2014 periods. Please provide an Excel version with your response.

Customer Audits Performed during the 2011 - 2014 Periods

Type of Audit	# of Audits 2011	# of Audits 2012	# of Audits 2013	# of Audits 2014
Residential on-line	20,223	17,027	16,764	17,886
Residential Main-in	339	423	356	10
Residential in-home	24,748	18,419	14,523	15,282
Residential Total	45,310	35,869	31,643	33,178
Commercial Total	2,488	2,041	1,973	2,449
Industrial Total	85	73	97	81

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 2014, 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 an Excel version with your response.

Solar Programs Active in 2014

Name of Program	Program Implementation Date	Number of Installs (#)	Incentive Amount Paid to Customers (\$)	Total Program Expenditures (\$)
Solar for Schools	3/15/2011	11	\$1,620,360	\$1,657,819
Commercial Solar Photovoltaic	3/15/2011	16	\$1,083,983	\$1,098,518
Residential Solar Photovoltaic	3/15/2011	112	\$1,954,799	\$2,044,136
Solar Water Heating for Low Income Residential	3/15/2011	31	\$125,589	\$136,823
Solar Water Heating with Energy Management	3/15/2011	306	\$159,201	\$185,422
Research & Demonstration	3/15/2011	NA	NA	\$299,907

5. Please provide the annual kW capacity (DC rating) of solar photovoltaic systems installed in 2014 by customers who received a rebate through the residential and business solar pilot programs. Please provide the annual kW capacity (DC rating) by program. Also, provide the annual kW capacity (DC rating) of solar photovoltaic systems installed in 2014 by customers who participated in the solar for schools pilot program.

RESPONSE:

DEF's 2014 Photovoltaic Pilots	Annual kW DC
Residential Solar Photovoltaic Annual kW DC nameplate capacity	1,074
Commercial Solar Photovoltaic Annual kW DC nameplate capacity	768
Solar for Schools Annual kW DC nameplate capacity	199