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#### July 21, 2015

## VIA: ELECTRONIC FILING

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

#### Re: Docket No. 150000-OT – Undocketed 2015 FEECA Report Data Collection

Dear Ms. Stauffer:

Attached for filing in the above docket is Tampa Electric Company's Responses to Staff's First Data Request (Nos. 1-5) dated June 30, 2015.

Thank you for your assistance in connection with this matter.

Sincerely,

James D. Beasley

JDB/pp Attachment

cc: Lee Eng Tan (w/attachment)

TAMPA ELECTRIC COMPANY UNDOCKETED: 2015 FEECA REPORT DATA COLLECTION STAFF'S 1ST DATA REQUEST REQUEST NO. 1 PAGE 1 OF 2 FILED: JULY 21, 2015

- 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.

	Winter Peak MW Reduction			Summer Peak MW Reduction			GWh Energy Reduction		
Year	Achieved	Goal	+ (-) %	Achieved	Goal	+ (-) %	Achieved	Goal	+ (-) %
2006									
2007									
2008									
2009									
2010									
2011									
2012									
2013									
2014									

## **Cumulative Savings Achieved - vs - Cumulative Goals**

#### TAMPA ELECTRIC COMPANY UNDOCKETED: 2015 FEECA REPORT DATA COLLECTION STAFF'S 1ST DATA REQUEST REQUEST NO. 1 PAGE 2 OF 2 FILED: JULY 21, 2015

A. Tampa Electric has provided its 2006 through 2014 cumulative and 2010 through 2014 annual DSM achievements in the table below. The achieved savings are reported at the generator. The electronic version of this table is available in the enclosed CD.

	Cumulative Savings Achieved - vs - Cumulative Goals								
	Winter Pe	ak MW	Reduction	Summer F	Peak MW	Reduction	GWh Ei	nergy Re	eduction
Year	Achieved	Goal	+ (-) %	Achieved	Goal	+ (-) %	Achieved	Goal	+ (-) %
2006	12.7	8.7	145.98%	12.3	8.8	139.77%	31.2	25.4	122.83%
2007	23.5	19.8	118.69%	24.7	19.0	130.00%	53.4	42.1	126.84%
2008	74.4	27.3	272.53%	76.9	26.0	295.77%	84.1	52.3	160.80%
2009	87.2	34.5	252.75%	90.3	32.9	274.47%	126.5	62.6	202.08%
2010	17.9	7.3	245.21%	17.9	7.1	252.11%	33.7	16.3	206.75%
2011	39.9	16.9	236.09%	41.8	17.3	241.62%	85.9	40.9	210.02%
2012	54.4	28.5	190.88%	57.8	30.0	192.67%	117.4	74.0	158.65%
2013	74.5	41.3	180.39%	79.8	45.0	177.33%	167.0	110.8	150.72%
2014	101.1	55.0	183.82%	105.4	61.2	172.22%	233.4	152.9	152.65%
	Annual Savings Achieved – vs. – Annual Goals								
	Winter Pe	ak MW	Reduction	Summer F	Peak MW	Reduction	GWh Ei	nergy Re	duction
Year	Achieved	Goal	+ (-) %	Achieved	Goal	+ (-) %	Achieved	Goal	+ (-) %
2010	17.9	7.3	245.20%	17.9	7.1	252.10%	33.7	16.3	206.70%
2011	22	9.6	229.20%	23.9	10.2	234.30%	52.2	24.6	212.20%
2012	14.5	11.6	125.00%	16	12.7	126.00%	31.5	33.1	95.20%
2013	20.1	12.8	157.00%	22	15.0	146.70%	49.6	36.8	134.80%

2014

26.6

13.7

194.16%

25.6

16.2

158.02%

42.1

66.4

157.72%

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- 2. Please refer to Utility Company's 2014 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. 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?

Program Name	Target Number of Customers	Target Energy Savings GWh	Actual Number of Customers	Actual Energy Savings GWh

## 2014 Residential Programs that **Did Not Meet Projected Participation Levels**

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.

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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 underperforming commercial/industrial programs in order to meet the Commission-approved goals?

#### 2014 Commercial/Industrial Programs that <u>Did Not Meet</u> Projected Participation Levels

Program Name	Target Number of Customers	Target Energy Savings GWh	Actual Number of Customers	Actual Energy Savings GWh

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

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## 2014 Commercial/Industrial Programs that <u>Exceeded</u> Projected Participation Levels

Program Name	Target Number of Customers	Target Energy Savings GWh	Actual Number of Customers	Actual Energy Savings GWh

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A. Tampa Electric was successful in meeting the Commission approved goals in the residential and commercial/industrial sectors in 2014. The tables below summarize the annual and cumulative achievements in each of the two sectors in 2014. The electronic version of this table is available in the enclosed CD.

Comparison	Comparison of 2014 Annual Achieved kW and kWh Reductions							
with F	ublic Service Commission Established Goals							
	Savings at the Generator							
	Residential							
Winter Peak MW Reduction	Summer Peak MW Reduction GWh Energy	Reduction						
Commission	Commission Commis							
Total Approved %	Total Approved % Total Approv							
Achieved Goal Variance	Achieved Goal Variance Achieved Goa							
16.9 12.2 138.5%	13.0 10.8 120.4% 44.3 22.6	196.0%						
	Commercial/Industrial							
Winter Peak MW Reduction								
Commission	Commission Commis	sion						
Total Approved %	% Total Approved % Total Approved %							
Achieved Goal Variance	Achieved Goal Variance Achieved Goa							
9.7 1.5 646.7%	12.6 5.4 233.3% 22.1 19.5	113.3%						
-	2014 <b>Cumulative</b> Achieved kW and kWh Reductions							
with F	ublic Service Commission Established Goals							
	Savings at the Generator							
	Residential							
Winter Peak MW Reduction	Summer Peak MW Reduction GWh Energy	Reduction						
Commission	Commission Commis	sion						
Total Approved %	Total Approved % Total Approv	red %						
Achieved Goal Variance	Achieved Goal Variance Achieved Goa							
62.6 48.8 128.3%	52.2 40.3 129.5% 128.2 84.7	151.4%						
Commercial/Industrial								
Winter Peak MW Reduction	Summer Peak MW Reduction GWh Energy	Reduction						
Winter Peak MW Reduction Commission	Summer Peak MW Reduction GWh Energy Commission Commis							
		sion						
Commission	Commission Commis	sion ed %						

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**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.

Type of Audit	# of Audits 2011	# of Audits 2012	# of Audits 2013	# of Audits 2014
Residential on-line				
Residential Main-in				
Residential in-home				
Residential Total				
Commercial Total				
Industrial Total				

## **Customer Audits Performed during the 2011 - 2014 Periods**

TAMPA ELECTRIC COMPANY UNDOCKETED: 2015 FEECA REPORT DATA COLLECTION STAFF'S 1ST DATA REQUEST REQUEST NO. 3 PAGE 2 OF 2 FILED: JULY 21, 2015

A. The table below provides the annual number of Residential and Commercial/Industrial energy audits Tampa Electric performed during the 2011-2014 periods. The electronic version of this table is available in the enclosed CD.

Type of Audit	# of Audits	# of Audits	# of Audits	# of Audits
Type of Audit	2011	2012	2013	2014
Residential on-line <sup>1</sup>	1,449	1,065	680	1,067
Residential mail-in <sup>2</sup>	0	0	0	0
Residential in-home	8,652	7,908	7,743	9,520
Residential Total	10,101	8,973	8,423	10,587
Commercial Total <sup>3</sup>	505	587	900	716
Industrial Total <sup>3</sup>	0	0	0	0

#### Customer Audits Performed during the 2011 - 2014 Periods

Note 1: Includes online and phone audits. These figures are reported as Customer Assisted Audits.

Note 2: The mail-in audit program was closed on December 31, 2004 and was replaced with Residential On-line Audits.

Note 3: Commercial total includes commercial and industrial audits. Tampa Electric tracks commercial and industrial energy audits together.

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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.

<b>Solar Programs</b>	Active in	2014
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	Program	Number of	Incentive Amount Paid	Total Program
	Implementation	Installs	to Customers	Expenditures
Name of Program	Date	(#)	(\$)	(\$)

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A. Tampa Electric's Renewable Energy Systems Initiative program offers a limited number of rebates to qualified residential and commercial customers for photovoltaic ("PV") installations, qualified emergency shelter schools for PV installations and qualified residential customers for solar water heating ("SWH") installations.

For the PV portion of the program, a limited number of qualified residential and commercial customers receive a rebate of  $2,000/kW_{DC}$  for new PV installations. Rebates were offered on a first come, first served basis and were reserved within seconds of the program offering each year. In 2014, a total of 142 customers installed PV on their homes or businesses. Of the 142 installations in 2014, 61 were rebate customers and 81 were non-rebate customers. The total PV DC rating of kW capacity installed for the rebated residential and commercial installations in 2014 was 547.67 kW<sub>DC</sub>.

For the Emergency Shelter Schools PV portion of the program, Tampa Electric in partnership with the Florida Solar Energy Center's SunSmart E-Shelter program installed one 10 kW<sub>DC</sub> system in 2014.

For the SWH portion of the program, a limited number of qualified residential customers receive a rebate of \$1,000 for new residential SWH installations. Rebates were offered on a first come, first serve basis. In 2014, 54 applications were received for SWH rebates, though additional applications could have been accepted.

The table below provides the 2014 activities for each of Tampa Electric's Renewable Energy Systems Initiative programs. The electronic version of this table is available in the enclosed CD.

Solar Programs Active in 2014							
		Number	For PV	Incentive	Total		
	Program	of	Installed	Amount Paid	Program		
	Implementation	Installs	kW <sub>DC</sub>	to Customers	Expenditures		
Name of Program	Date	(#)		(\$)	(\$)		
Residential PV	April 2011	60	527.72	\$1,055,440	\$1,196,047		
Commercial PV	April 2011	1	9.95	\$19,890	φ1,190,047		
School PV	April 2011	1	10.00	\$153,000	\$161,614		
Residential SWH	April 2011	54	NA	\$54,000	\$76,040		
Low Income SWH	April 2011	4	NA	\$16,920	\$21,150		

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- 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.
- A. Please see Response No. 4 this set.