



Dianne M. Triplett
ASSOCIATE GENERAL COUNSEL
Duke Energy Florida, Inc.

July 15, 2014

VIA ELECTRONIC MAIL

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

Re: Docket No. 130200-EI

Dear Ms. Stauffer:

On behalf of Duke Energy Florida, Inc. ("DEF"), please find enclosed minor corrections to DEF's April 2, 2014 testimony (which was adopted by Tim Duff) to include: pages 10, 23, 50 and Exhibit No. ___ (HG-5).

- Page 10 contains revisions to EIA Sales graph and testimony and narrative on line 14 which corrects the decrease in DEF residential use per customer from 13.8% to 13.2%.
- Page 23, line 12 corrects the measures analyzed from 285 to 278. Pages 2 and 3 of 11 in Exhibit No. ___ (HG-5) contains revisions to the far left column with corresponding corrected numbering.
- Page 50 contains revisions to the Table of DEF Solar Pilot Programs specifically to Solar Water Heating with Energy Management cost effectiveness results from 0.558, 0.530, and 0.733 to 0.596, 0.580, and 0.790 respectively.

The above referenced pages should replace the respective pages of the initial filing.

Thank you for your assistance in this matter, and please feel free to contact me if you have any questions.

Sincerely,

s/Dianne M. Triplett _____

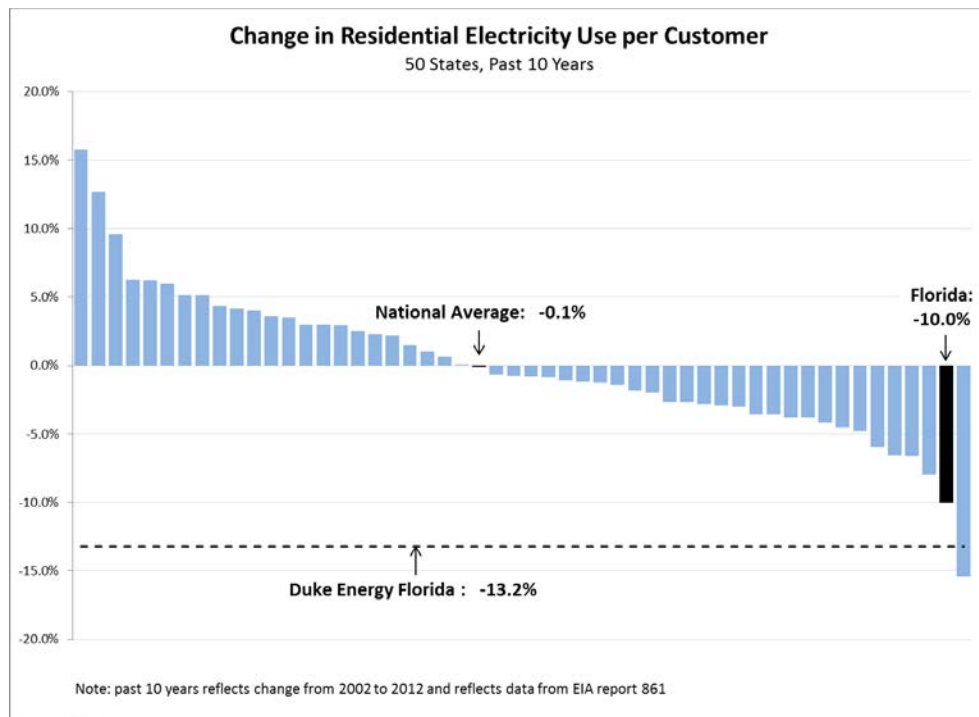
Dianne M. Triplett

DMT/mw
Enclosures
cc: Certificate of Service

299 First Avenue North (33701) Post Office Box 14042 (33733) St. Petersburg, Florida
Phone: 727.820.4692 Fax: 727.820.5041 Email: Dianne.triplett@duke-energy.com

1 metaphorical vast majority of the “low hanging fruit” for efficiency and
2 reduction has long been harvested . Market saturation in many program
3 offerings is occurring as a result of this long-term commitment to energy
4 efficiency options. DEF’s energy efficiency programs recognize the
5 unique characteristics of the state’s energy consumption, and we have
6 been successful in reducing customer demand and supporting the
7 installation of long lasting equipment with reduction in energy
8 consumption. The chart below demonstrates the change in residential
9 per-customer usage over a ten year period.

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11

12 You can see that the national average has seen a decrease of .1%, while
13 Florida has seen a decrease of 10% - one of the biggest decreases in the
14 country. DEF has seen an even larger decrease of 13.2%.

1 ceiling insulation. The size of these measures' incremental impacts can be
2 affected by other measures. For example, the impact of ceiling insulation can
3 be affected by the level of air-conditioning efficiency. DEF then calculated the
4 respective demand and energy impacts of those new measures relative to the
5 appropriate Baseline Measure. This resulted in the addition of 27 new
6 measures, 7 residential, 15 commercial and 5 industrial.

7 DEF's final step in updating the 2009 TP was adjusting for marketplace
8 changes. Specifically, DEF incorporated the effect of its overall service area
9 growth from 2007 through 2012. DEF also reduced its overall demand and
10 energy potential to reflect the impact of its DSM programs from 2007 through
11 2012. The result of these three steps was the 2014 TP. The total number of
12 unique measures analyzed was 278 for the 2014 TP study. A pictorial
13 depiction of the process used to update and develop the 2014 Technical
14 Potential can be found in Exhibit No. ____ (HG 4). Additionally, Exhibit No. ____
15 (HG 5) provides a list of measures evaluated in the Technical Potential Study
16 update.

17

18 **Q. What measures were eliminated or added as compared to the 2009**
19 **Technical Potential Study?**

20 A. Please refer to Exhibit No. ____ (HG 5), which is a list of those measures
21 added to and eliminated from the 2014 TP as compared to the 2009 TP.

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DEF Solar Pilot Programs	Benefit Cost Ratio		
	RIM	TRC	Participant
Solar Water Heating for Low-income Residential	0.274	0.454	1.832
Solar Water Heating with Energy Management	0.596	0.580	0.790
Residential Solar Photovoltaic	0.376	0.547	1.227
Commercial Solar Photovoltaic	0.422	0.628	1.351
Photovoltaic for Schools Program	0.141	0.163	1.180

2

3 **Q. What has happened to the solar market since the Commission approved**
4 **these pilots?**

5 A. Over the course of the five years since that Commission order, the costs of
6 solar technology has decreased and subscription rates for solar devices have
7 increased, mainly because solar technology has advanced since that time.
8 According to Green Tech Media (GTM) and Solar Electric Industries
9 Association (SEIA) Q4 2013 U.S. Solar Market Insight Report, Florida is
10 among the most cost competitive states in the U.S. (Exhibit No.____ (HG 16),
11 Average Residential and Average Non-Residential Installed Solar by State Q4
12 2013 Upfront rebates of \$2.00/Watt are no longer needed to incent the market.
13 Additionally an increasing number of DEF customers are installing solar
14 themselves without the aid of SunSense rebates. In 2013, approximately 2.2
15 MW of residential solar was installed and less than half of that capacity
16 received the DEF rebate. In fact, in its FEECA Report, the Commission
17 recognized that customers who wish to install solar devices likely do not need
18 the rebate levels offered by the utilities under solar set aside order to incent
19 them to install solar devices. FEECA Report at 23.

Exhibit No. ____ (HG-5) Duke Energy Florida's Projected Total Technical Potential

Duke Energy Florida - Residential Measures		
	Measure #	Measure
1	102	15 SEER Split-System Air Conditioner
2	103	17 SEER Split-System Air Conditioner
3	104	19 SEER Split-System Air Conditioner
4	105	14 Seer Split-System Heat Pump
5	106	15 SEER Split-System Heat Pump
6	107	17 SEER Split-System Heat Pump
7	111	Sealed Attic w/Sprayed Foam Insulated Roof Deck
8	112	AC Maintenance (Outdoor Coil Cleaning)
9	113	AC Maintenance (Indoor Coil Cleaning)
10	114	Proper Refrigerant Charging and Air Flow
11	115	Electronically Commutated Motors (ECM) on an Air Handler Unit
12	116	Duct Repair
13	118	Radiant Barrier
14	120	Window Tinting
15	121	Default Window With Sunscreen
16	122	Single Pane Clear Windows to Double Pane Low-E Windows
17	124	Ceiling R-0 to R-19 Insulation
18	125	Ceiling R-19 to R-38 Insulation
19	126	Wall 2x4 R-0 to Blow-In R-13 Insulation
20	127	Weather Strip/Caulk w/Blower Door
21	191	HE Room Air Conditioner - EER 11
22	192	HE Room Air Conditioner - EER 12
23	196	Reflective Roof
24	197	Window Film
25	221	CFL (18-Watt integral ballast), 0.5 hr/day
26	231	CFL (18-Watt integral ballast), 2.5 hr/day
27	241	CFL (18-Watt integral ballast), 6.0 hr/day
28	251	ROB 2L4'T8, 1EB
29	252	RET 2L4'T8, 1EB
30	301	HE Refrigerator - Energy Star version of above
31	351	HE Freezer
32	401	Heat Pump Water Heater (EF=2.9)
33	403	Solar Water Heat

34	404	AC Heat Recovery Units
35	405	Low Flow Showerhead
36	406	Pipe Wrap
37	407	Faucet Aerators
38	408	Water Heater Blanket
39	409	Water Heater Temperature Check and Adjustment
40	410	Water Heater Timeclock
41	411	Heat Trap
42	502	Energy Star CW CEE Tier 2 (MEF=2.0)
43	503	Energy Star CW CEE Tier 3 (MEF=2.2)
44	701	Energy Star DW (EF=0.68)
45	801	Two Speed Pool Pump (1.5 hp)
46	802	High Efficiency One Speed Pool Pump (1.5 hp)
47	803	Variable-Speed Pool Pump (<1 hp)
48	804	PV-Powered Pool Pumps
49	901	Energy Star TV
50	921	Energy Star Set-Top Box
51	931	Energy Star DVD Player
52	941	Energy Star VCR
53	951	Energy Star Desktop PC
54	961	Energy Star Laptop PC
	Measure #	New Measures
1	352	Freezer recycling
2	302	Refrigerator recycling
3	962	Smart Plug
4	222	LED (12-Watt integral ballast), 0.5 hr/day
5	232	LED (12-Watt integral ballast), 2.5 hr/day
6	242	LED (12-Watt integral ballast), 6.0 hr/day
7	261	LED 13W Outdoor
	Measure #	Eliminated Measures
1	101	Base 14 SEER Split-System Air Conditioner
2	109	HVAC Proper Sizing
3	131	Base 14 SEER Split-System Heat Pump
4	135	HVAC Proper Sizing
5	402	High Efficiency CD (EF=3.01 w/moisture sensor)

Duke Energy Florida, Inc.

Docket No.: 130200

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing was served on the following via electronic mail this 15th day of July, 2014.

s/Dianne M. Triplett

Attorney

<p>Lee Eng Tan Charles Murphy Shalonda Hopkins Office of General Counsel Florida Public Service Commission 2540 Shumard Oak Blvd. Tallahassee, FL 32399-0850 ltan@psc.state.fl.us cmurphy@psc.state.fl.us shopkins@psc.state.fl.us</p> <p>Steven L. Hall, Senior Attorney Office of General Counsel 407 South Calhoun Street, Suite 520 Tallahassee, FL 32399 steven.hall@FreshFromFlorida.com</p> <p>John Butler/Jessica Cano 700 Universe Blvd Juno Beach, FL 33408 john.butler@FPL.com jessica.cano@FPL.com</p> <p>Kevin Donaldson 4200 West Flagler Street Miami, FL 33134 kevin.donaldson@fpl.com</p> <p>Paula K. Brown P.O. Box 111 Tampa, FL 33602 pkbrown@tecoenergy.com</p> <p>Jeffrey A. Stone/ Russell A. Badders Steven R. Griffin Begg & Lane Gulf Power P.O. Box 12950 Pensacola, FL 32591 srg@beggsllane.com jas@beggsllane.com rab@beggsllane.com</p>	<p>J. Beasley/J. Wahlen/A. Daniels Ausley McMullen Post Office Box 391 Tallahassee, FL 32302 jbeasley@ausley.com jwahlen@ausley.com adaniels@ausley.com</p> <p>Diana Csank Sierra Club 50 F St. NW, 8th Floor Washington, DC 20001 diana.csank@sierraclub.org</p> <p>Jon C. Moyle, Jr. / Karen Putnal Moyle Law Firm, P.A. 118 N. Gadsden Street Tallahassee, FL 32301 jmoyle@moylelaw.com kputnal@moylelaw.com</p> <p>Robert L. McGee, Jr. Gulf Power Company One Energy Place Pensacola, FL 32520 rlmcgee@southernco.com</p> <p>George Cavros Southern Alliance for Clean Energy 120 E. Oakland Park Blvd., Suite 105 Ft. Lauderdale, FL 33334 george@cavros-law.com</p> <p>Alisa Coe/Joshua D. Smith Earthjustice 111 S. Martin Luther King Jr. Blvd. Tallahassee, FL 32301 acoe@earthjustice.org dguest@earthjustice.org bbeard@earthjustice.org</p> <p>Gary V. Perko P O Box 6526 Tallahassee, FL 32314 gperko@hgsllaw.com</p>	<p>Alton E. Drew Special Counsel Florida State Conference of the NAACP 667 Peoples Street, SW, #4 Atlanta, GA 30310 altondrew@altondrew.com</p> <p>James W. Brew / F. Alvin Taylor c/o Brickfield Law Firm 1025 Thomas Jefferson St., NW, Eighth Washington, DC 20007 jbrew@bbrslaw.com ataylor@bbrslaw.com</p> <p>Robert Scheffel Wright/John T. LaVia Gardner, Bist, Wiener, Wadsworth, Bodwden, Bush, Dee, LaVia & Wright, P.A. 1300 Thomaswood Drive Tallahassee, FL 32308 schef@gbwlegal.com jlavia@gbwlegal.com</p> <p>Jill Tauber 1625 Massachusetts Ave., NW Suite 702 Washington, DC 20036-2243 jtauber@earthjustice.org</p> <p>J. R. Kelly/E. Sayler Office of Public Counsel 111 W. Madison Street, Room 812 Tallahassee, FL 32393-1400 Sayler.erik@leg.state.fl.us Kelly.jr@leg.state.fl.us</p> <p>John Finnigan Environmental Defense fund 128 Winding Brook Lane Terrace Park, Ohio 45174 jfinnigan@edf.org</p>
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