



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

June 24, 2015

VIA ELECTRONIC FILING

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

Re: DEF's Petition for Approval of Demand-Side Management Plan
Docket No. 150083-EG

Dear Ms. Stauffer:

Please find attached for filing on behalf of Duke Energy Florida, Inc. ("DEF"), DEF's Response to Staff's Third Data Request in the above-referenced docket.

Thank you for your assistance in this matter and please let me know if you have any questions. I can be reached at (727) 820-4692.

Sincerely,

/s/ Dianne M. Triplett

Dianne M. Triplett

DMT/at
Attachment

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished via electronic mail this 24th day of June, 2015, to all parties of record as indicated below.

/s/ Dianne M. Triplett

Attorney

Charles Murphy, Esq.
Office of the General Counsel
Florida Public Service Commission
2540 Shumard Oak Blvd.
Tallahassee, FL 32399-0850
cmurphy@psc.state.fl.us

DEF's Response to Staff's Third Data Request

1. Please provide the previous and proposed costs for Type 4 audits in the Home Energy Check Program.

Response:

The cost of the Type 4 audit previously was \$195 and the proposed cost is \$630. Please see attached clean and redlined/strikeout copies of the BERS/HERS Audit tariff (Attachment 1) that were included in the Program Plan filing.

2. Please provide the incentive levels and specific eligibility requirements for the Low Income Weatherization Assistance Program.

Response:

Please see Attachment 2.

Questions 3-5 pertain to the Better Business Program.

3. Please provide any information regarding incentives, eligibility requirements, or other information about the "Duct Leakage Test and Repair / Duct Seal" measure.

Response:

Please see Attachment 3.

4. Refer to page 9 of Attachment B to the DSM Plan, summary of changes to Unitary HP, PTHP, and SPVHP. Please provide an explanation of what "average dollars per ton" means. If the incentives vary based on SEER rating (or other specifications of system), please provide detailed information on incentive amounts for each type of system.

Response:

Please see Attachment 4 which provides incentive levels and minimum efficiency requirements for various sizes of units. The incentives will be based on the tonnage of the unit. The "average dollars per ton" language on page 9 of Attachment B to the DSM Plan should have just said "dollars per ton".

5. To which measure does the "Roof Top Recommissioning" belong?

Response:

The Roof Top Recommissioning measure relates to HVAC systems.



SECTION NO. II
~~FOURTH-FIFTH~~ REVISED SHEET NO. 2.6
 CANCELS ~~THIRD-FOURTH~~ REVISED SHEET NO. 2.6

**Florida ~~Energy Gauge Ratings~~ BERS/HERS Audit
 Energy Gauge**

Availability:

Available throughout the entire territory served by the Company.

Applicable:

To residential customers with single family homes (mobile, manufactured homes excluded). Upon request a ~~state~~-certified energy rater will perform an on-site energy inspection on an existing home and provide a rating certificate. New homes with completed Florida Energy Code Whole Building Performance Method A require a review of code calculations to be eligible for a rating certificate.

Schedule of Fees:

Rating	* New Home	* New Home (With Energy Code Compliance Form Provided)	* Existing Home
Class I-HERS On-Site	\$195630	N/A	\$195630
Class II On-Site	\$145	N/A	\$145
Class III From Plans	\$110	\$35	N/A

* Includes electronic registration fees charged by the ~~State of Florida~~ RESNET Provider.

Definitions:

~~Existing home: _____ is a completed residential occupancy building for which a certificate of occupancy or equivalent approval for occupancy has been issued.~~

~~Florida Energy Code Whole Building Performance Method A: _____ Required by the State listing building components, dimensions and system efficiencies.~~

BERS: The Florida Building Energy-Efficiency Rating System (BERS) is a whole building energy evaluation system established and maintained by RESNET.

HERS: The Home Energy Rating System (HERS), established and maintained by RESNET, measures homes' energy efficiency.

RESNET: The Residential Energy Services Network (RESNET) is a not-for-profit, membership corporation that is a recognized national standards making body for building energy efficiency rating and certification systems.

~~Energy Gauge Ratings are Categorized in Three Classes:~~

~~Class I: Energy rating requiring an on-site energy audit with specialized performance testing for air infiltration and duct leakage. Class I ratings have the highest level of confidence.~~

~~Class II: Energy rating requiring an on-site energy audit. Class II ratings have a good level of confidence.~~

~~Class III: Energy rating reserved for new buildings only and uses construction plans to generate data for ratings. Class III ratings have a fair level of confidence.~~

Terms of Payment:

The fee shall be payable at the time the rating is completed and delivered.

ISSUED BY: Javier J. Portuondo, Director, Rates & Regulatory Strategy – FL

EFFECTIVE: April 29, 2013



Florida BERS/HERS Audit

Availability:

Available throughout the entire territory served by the Company.

Applicable:

To residential customers with single family homes (mobile, manufactured homes excluded). Upon request a certified energy rater will perform an on-site energy inspection on an existing home and provide a rating certificate. New homes with completed Florida Energy Code Whole Building Performance Method A require a review of code calculations to be eligible for a rating certificate.

Schedule of Fees:

<i>Rating</i>	<i>* New Home</i>	<i>* New Home (With Energy Code Compliance Form Provided)</i>	<i>* Existing Home</i>
HERS On-Site	\$630	N/A	\$630

* Includes electronic registration fees charged by the RESNET Provider.

Definitions:

Existing home: A completed residential occupancy building for which a certificate of occupancy or equivalent approval for occupancy has been issued.

BERS: The Florida Building Energy-Efficiency Rating System (BERS) is a whole building energy evaluation system established and maintained by RESNET.

HERS: The Home Energy Rating System (HERS), established and maintained by RESNET, measures homes' energy efficiency.

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Terms of Payment:

The fee shall be payable at the time the rating is completed and delivered.

ISSUED BY: Javier J. Portuondo, Director, Rates & Regulatory Strategy – FL

EFFECTIVE:

DEF- LOW INCOME WEATHERIZATION ASSISTANCE PROGRAM -INCENTIVES

Weatherization Measure	Minimum Measure Requirement	Incentive Amount	Additional Requirements
Attic Insulation	Insulate homes with AS or less to at least R-19 on residences with whole house electric air conditioning and/or electric heating	\$300	Must be a NEAT recommendation
Duct Leakage Test/Repair	Repair Centrally Dued Electric Heated and Cooled Systems	\$150	1. LIWAP Inspection 2. Completed Duct Test
Reduce Air Infiltration	Must demonstrate a minimum reduction of 1500 cfm at 50 pascals in electrically heated homes Not to exceed a minimum of 0.35 ACH	\$37.50	Must be a NEAT recommendation
Electric Hot Water Reduction	Wrap Electric water heater, insulate water pipes, lower temperature setting if needed, repair water leaks	\$20	LIWAP Inspection
HVAC Maintenance	Tune up on Centrally Dued Electric Heated and Cooled Systems	\$150	LIWAP Inspection
High Efficiency Heat Pump Replacing a Heat Pump	New HP must be a minimum 15 SEER and 8.0 HSPF	\$1,000	Must be a NEAT audit recommendation
High Efficiency Heat Pump Replacing Electric Resistance Heat	New HP must be a minimum 15 SEER and 8.0 HSPF	\$1,500	Incentive applicable on each new HP installed
Water Saving Showerheads	Maximum of 2.5 gallon per minute flow on homes with Electric Water Heaters	\$10 per showerhead	Maximum of 2 per home
Compact Fluorescent Light Bulbs	15 or 18 watt Compact Fluorescent replacing incandescent lamp greater than or equal to 60 watts	\$3 per lamp	Maximum of 5 CFL per household
LED Light Bulb	9 watt LED replacing incandescent lamp greater than or equal to 60 watts	\$4.50 per lamp	Maximum of 1 LED per household
Faucet Aerators	Water Flow Reduction on homes with Electric Water Heaters	\$5 per Aerator	Maximum of 2 per household
Refrigerator	Must be Energy Star rated	\$400	1 per household

BETTER BUSINESS PROGRAM
DUCT TEST/DUCT REPAIR INCENTIVES

Duct Test	50% of test cost up to \$30 for first unit tested
	50% of test cost up to \$20 for each additional unit tested at same address
Duct Repair	25% of the repair cost up to a maximum of \$50 per unit for facilities with non-ducted electric heat
	50% of the repair cost up to a maximum of \$150 per unit for facilities with dueled electric heat. Commercial multi-family units count on a per unit basis, receive \$100 and no duct test is required ¹

¹ Top floors only on multi-story buildings

DEF – BETTER BUSINESS PROGRAM

PACKAGED TERMINAL HEAT PUMPS, SINGLE PACKAGE VERTICAL HEAT PUMPS, AND UNITARY A/C AND HEAT PUMPS > 65,000 Btu/h

Package Terminal Heat Pumps (PTHPs)	\$100 per ton as referenced in the Table in Section 12.4
Single Package Vertical Heat Pump (SPVHP)	\$75 per ton as referenced in the Table in Section 12.4
Unitary A/C and Heat Pumps > 65,000 Btu/h	\$75 per ton as referenced in the Table in Section 13.4 *(Includes Variable Refrigerant Multi-Split A/C and HP units of all sizes as referenced in the Table in Section 13.5)

PACKAGED TERMINAL HEAT PUMPS (PTHPs) (AHRI 310/380 Test Standards)		
Cooling Capacity (Btu/h)	Heating Efficiency (COP)	Cooling Efficiency (EER)
	Minimum Efficiency Eligible for Incentive	Minimum Efficiency Eligible for Incentive
<6,900	3.9	13
6,901-9,400	3.4	12.2
9,401-12,000	3.8	12.7
12,001-14,700	3.1	10.7
>14,700	3.0	9.6

**No rebates are available for replacing PTHP's.*

SINGLE-PACKAGE VERTICAL HEAT PUMP (ASHRAE Standard 90.1-2004)		
RETROFIT (BETTER BUSINESS)		
Cooling Capacity (Btu/h)	Heating Efficiency (COP)	Cooling Efficiency (EER)
	Minimum Efficiency Eligible for Incentive	Minimum Efficiency Eligible for Incentive
<65,000	3.3	9.8
>65,000 <135,000	3.2	9.7
>135,000 <240,000	3.1	9.4

**For straight cooled equipment just EER only as COP is not required.*

Above tables are based on current Florida Energy Code Standards.

UNITARY AC AND HEAT PUMPS (> 65,000 Btu/h)			
Equipment Type and Size Range	2010 State Energy Code Standard		Minimum Efficiency Eligible for Incentive
Air-Cooled	Air Conditioner	Heat Pump	
65,000-135,000 Btu/h	11.2 EER	11.0 EER 3.3 COP	11.9 EER 3.48 COP
135,001 Btu/h – 240,000	11.0 EER	10.6 EER 3.2 COP	11.69 EER 3.42 COP
240,001 – 760,000 Btu/h	10.0 EER	9.5 EER 3.2 COP	10.63 EER 3.27 COP
Over 760,000 Btu/h	9.7 EER	9.5 EER 3.2 COP	10.31 EER 3.13 COP
Water-Cooled	Air Conditioner	Heat Pump	
65,000-135,000 Btu/h	11.5 EER	12 EER 4.2 COP	12.5 EER 4.56 COP
over 135,000 Btu/h	11.0 EER	N/A	12.0 EER 4.38OP

VARIABLE REFRIGERANT FLOW MULTI-SPLIT AIR CONDITIONERS AND HEAT PUMPS			
Equipment Type	Cooling Capacity (Btu/h)	Heating Type	Efficiency Level
VFR Multi-Split AC's (Air Cooled)	<65,000	All	14.3 SEER
	>65,000 <135,000	No Heating – or has Electric resistance heating	12.3 EER
		All other types of heating	12.1 EER
	>135,000<240,000	No Heating – or has Electric resistance heating	12.1 EER
		All other types of heating	11.8 EER
	>240,000<760,000	No Heating – or has Electric resistance heating	11.0 EER
		All other types of heating	10.7 EER
VFR Multi-Split Heat Pumps (Air Cooled)	<65,000	All	14.3 SEER 8.4 HSPF
	>65,000 <135,000	No Heating – or has Electric resistance heating	12 EER 3.6 COP
		All other types of heating	11.8 EER 3.6 COP
	>135,000<240,000	No Heating – or has Electric resistance heating	11.6 EER 3.6 COP
		All other types of heating	11.4 EER 3.5 COP
	>240,000<760,000	No Heating – or has Electric resistance heating	10.4 EER 3.5 COP
		All other types of heating	10.2 EER 3.5 COP