

**KyPSC Case No. 2020-00266**  
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**Duke Energy Kentucky**  
**Case No. 2020-00266**  
**Staff Second Set Data Requests**  
**Date Received: October 26, 2020**

**STAFF-DR-02-001**

**REQUEST:**

Refer to Duke Kentucky's response to Staff's First Request for Information (Staff's First Request), Item 6. Also, refer to the final Order in Case No. 2019-00277,<sup>1</sup> specifically pages 13-14 where the Commission states:

In Case no. 2017-00427,<sup>2</sup> the Commission stated that the cost-effectiveness of Duke Kentucky's DSM program would be closely reviewed in the 2019 DSM filing. Hence the Commission finds that the individual modifications that are not cost-effective, as demonstrated by a TRC score of less than one, are unreasonable and should not be approved.

a. Given the above finding, explain why Duke Kentucky is requesting approval of those measures within the Residential Energy Assessment Program whose Total Resource Cost (TRC) scores are less than one.

b. Given the above finding, explain why Duke Kentucky is requesting approval of those measures within the Smart Saver Prescriptive Program whose TRC scores are less than one.

**RESPONSE:**

a. The Company discovered that its initial response contained calculation errors. On October 26<sup>th</sup>, the Company filed revised scores in STAFF-DR-01-006(a) Revised Attachment. With the revised scores, the measures in question now pass the TRC:

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<sup>1</sup> Case No. 2019-00277 *Electronic Application of Duke Energy Kentucky, Inc. to Amend its Demand Side Management Program* (Ky. PSC Apr. 27, 2020)

<sup>2</sup> Case No. 2017-00427, *Electronic Annual Cost Recovery Filing for Demand Side Management by Duke Energy Kentucky, Inc.* (Ky. PSC Oct. 15, 2018).

Assess Kit w LEDs Blower Door with a TRC score of 1.12 and the Specialty Candelabra LED with a TRC score of 2.10. However, with the revised scores, two measures are not passing with a TRC score of 0.97. Those measures are Smart Thermostat Elec and Smart Thermostat - Only CAC Fuel Htd.

The smart thermostat measures use a blended savings calculation from other programs that offer smart thermostats. The blended calculation includes both electric and non-electric heating sources in addition to central air conditioning. The program is tracking both electric heat and non-electric heat implementations of this offering separately to determine actual program savings by heating type. The program chose to take a conservative estimation of savings in the filing.

b. The Company discovered that its initial response contained calculation errors. On October 26<sup>th</sup>, the Company filed revised scores in STAFF-DR-01-006(b) Revised Attachment. With the revised scores, the measures in question now pass the TRC.

**PERSON RESPONSIBLE:** Trisha Haemmerle/Greg Simmons – a.  
Trisha Haemmerle – b.

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**STAFF-DR-02-002**

**REQUEST:**

Refer to Duke Kentucky's Responses to Staff's First Request for Information, Item 7a(2). Provide the updated cost-effective test results for each individual measure within the Non-Residential Customer Incentive program.

**RESPONSE:**

The Smart \$aver<sup>®</sup> Custom program is reviewed at a program level for forecasting and not by individual measure. In a projection, the number and nature of Custom projects is not known, so only an estimate at the program level is available at this time. Once the Company has actual results at the end of the fiscal year, those can be evaluated on a by project or measure basis.

Please see STAFF-DR-02-002 Attachment.

**PERSON RESPONSIBLE:** Julie Hollingsworth

Program	Product Code	Measure I	Measure Name	UCT	TRC	RIM	PCT**	
Smart Saver® Custom	NRPRSC	517	Custom Rebate		4.41	1.89	1.00	3.10

**Duke Energy Kentucky**  
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**STAFF-DR-02-003**

**REQUEST:**

Refer to Duke Kentucky's Response to Staff's First Request for Information, Item 8a.

- a. Provide the updated cost-effective test results for each individual measure within the Multifamily Energy Efficiency Program.
- b. Explain how Property Manager feedback affects whether the Smart thermostats under consideration for the Multifamily program will be implemented.

**RESPONSE:**

- a. Please see STAFF-DR-02-003 Attachment.
- b. In mid-2020, the program collected feedback from property managers and property management companies in other jurisdictions to determine market acceptance of a smart thermostat offering in multifamily properties. The feedback supported moving forward with those offerings. The program will survey property managers and property management companies in Duke Energy Kentucky to gauge similar interest prior to filing for an offering.

**PERSON RESPONSIBLE:** Julie Hollingsworth – a.  
Greg Simmons – b.

Program	Product Code	Measure ID	Measure Name	UCT	TRC	RIM	PCT**	
Residential Smart \$aver®	MFEEAR	2970	Faucet Aerators MF Direct 1.0 GPM - bath		4.54	4.11	0.81	27.93
Residential Smart \$aver®	MFEEAR	2971	Faucet Aerators MF Direct 1.0 GPM - kitchen		4.53	4.11	0.81	27.93
Residential Smart \$aver®	MFEPPW	2994	Pipe Wrap MF Direct		12.70	11.00	0.91	70.94
Residential Smart \$aver®	MFEESH	2984	LF Showerhead MF Direct 1.5 GPM		3.80	3.35	0.78	24.47
Residential Smart \$aver®	RLEDPM	8502	RLEDPM-ALINE		1.70	1.26	0.58	5.02
Residential Smart \$aver®	RLEDPM	8503	RLEDPM-GLOBE		1.70	1.26	0.58	5.02
Residential Smart \$aver®	RLEDPM	8504	RLEDPM-CANDELABRA		2.03	1.51	0.69	5.02