


**VERIFICATION**

STATE OF INDIANA                    )  
  )  
COUNTY OF HENDRICKS            )        **SS:**

The undersigned, Andrew Taylor, Sr. Product and Services Manager, being duly sworn, deposes and says that he has personal knowledge of the matters set forth in the foregoing data requests, and that the answers contained therein are true and correct to the best of his knowledge, information and belief.

  
\_\_\_\_\_  
Andrew Taylor, Affiant

Subscribed and sworn to before me by Andrew Taylor on this 24<sup>th</sup> day of October, 2017.

  
\_\_\_\_\_  
NOTARY PUBLIC

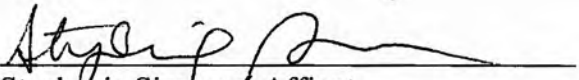
My Commission Expires:

SEAL  
NOTARY PUBLIC INDIANA  
JOHN DELOUGHERY  
COMMISSION 678735  
EXPIRES MARCH 13, 2024  
HENDRICKS COUNTY

VERIFICATION

STATE OF OHIO )  
 ) SS:  
COUNTY OF HAMILTON )

The undersigned, Stephanie Simpson, Senior Program Perform Analyst, being duly sworn, deposes and says that she has personal knowledge of the matters set forth in the foregoing data requests, and that the answers contained therein are true and correct to the best of her knowledge, information and belief.

  
Stephanie Simpson, Affiant

Subscribed and sworn to before me by Stephanie Simpson on this 27<sup>th</sup> day of OCTOBER, 2017.

ADELE M. FRISCH  
Notary Public, State of Ohio  
My Commission Expires 01-05-2019


  
NOTARY PUBLIC

My Commission Expires: 1/5/2019

**VERIFICATION**

**STATE OF OHIO** )  
 ) **SS:**  
**COUNTY OF HAMILTON** )

The undersigned, Trisha Haemmerle, Senior Strategy & Collaboration Manager, being duly sworn, deposes and says that she has personal knowledge of the matters set forth in the foregoing data requests, and that the answers contained therein are true and correct to the best of her knowledge, information and belief.

  
Trisha Haemmerle, Affiant

Subscribed and sworn to before me by Trisha Haemmerle on this 23<sup>rd</sup> day of OCTOBER, 2017.

**ADELE M. FRISCH**  
Notary Public, State of Ohio  
My Commission Expires 01-05-2019

  
NOTARY PUBLIC

My Commission Expires: 1/5/2019

**KyPSC Case No. 2017-00324**  
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**Duke Energy Kentucky  
Case No. 2017-00324  
Staff's Second Set Data Requests  
Date Received: October 19, 2017**

**STAFF-DR-02-001**

**REQUEST:**

Refer to Duke Kentucky's response to Staff's First Request for Information ("Staff's First Request"), Item 1. Also refer to the application, pages 5-6. Explain if the costs of the energy-saving measures, and thus the resulting incentive paid by Duke Kentucky, is increasing at a faster rate than the energy impact.

**RESPONSE:**

For transparency and ease of customer engagement, incentives paid to Duke Energy Kentucky customers have been set at fixed rates since 2015. Incentive values are not scaled with customer costs for energy savings measures. Any relative increases or decreases in incentives paid as compared to kWh impacts is due to the relative mix of kW and kWh, as well as the prevalence of projects with capped incentives, which are observed for lower cost projects.

The primary reason that incentive payments for the remainder of the 17-18 fiscal period are approx. 22% higher than the previous 3 year average on a dollars per Net kWh basis is that fewer projects had the incentive capped due to the one year project payback.

**PERSON RESPONSIBLE:** Andrew Taylor

**Duke Energy Kentucky  
Case No. 2017-00324  
Staff's Second Set Data Requests  
Date Received: October 19, 2017**

**STAFF-DR-02-002**

**REQUEST:**

Refer to Staff's First Request, Item 4. Provide the source of the 2017-2018 projected program costs, lost revenues, and shared savings for the revised Smart Saver Customer Program.

**RESPONSE:**

Please see STAFF-DR-02-002 Attachment.

**PERSON RESPONSIBLE:** Stephanie Simpson

**Assumptions**

Shared Savings Rate

**Lost Revenue Rates**

NonRes

Line Loss Rate

**Appendix A**  
**Cost Effectiveness Test Results (A)**  
**2017-18 Program Modifications**

Program	UCT	TRC	RIM	PCT	Cumulative Avoided T&D Electric	NPV Avoided Ancillary	Cumulative Cost-Based Avoided Elec Production	Cumulative Cost-Based Avoided Elec Capacity	NPV Cost- Based Avoided Gas Production	Cumulative Elec Lost Rev Net of Fuel NF	NPV Net Lost Rev Gas	NPV Administration Costs	NPV Implementation Costs	NPV Other Utility Costs	NPV Incentives	NPV Participant Costs(net)	NPV Participant Costs(gross)	NPV Lost Rev Elec	NPV Lost Rev Gas	Participant Elec Bill Savings(gross)	Participant Gas Bill Savings(gross)
Non-Residential Programs - EE																					
Smart Meter Custom - Modifications	4.09	0.74	0.89	1.23	504,635		3,247,767	718,759	3,937,333				285,400		806,633	5,795,809	6,232,052	6,380,393		6,860,637	
Total	4.09	0.74	0.89	1.23	504,635		3,247,767	718,759	3,937,333				285,400		806,633	5,795,809	6,232,052	6,380,393		6,860,637	
Overall Portfolio Modifications Total	4.09	0.74	0.89	1.23	504,635		3,247,767	718,759	3,937,333				285,400		806,633	5,795,809	6,232,052	6,380,393		6,860,637	



Item	Participate		Share		Share		Share		Share		Share		Share		Share		Share		Share		Share	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
Total SPV Available / Cost of Energy / kWh	1,263,495	258	402	752,238	18,677	138,473	0	0	1,279,495	392,547	648,828	17%	64,889	3,061,011	44,498	435,545	495,585	502,454	202,414	610,088		
Total SPV Available / Cost of Energy / kWh	8,013,749	1,100	1,263	3,147,781	74,756	356,476	0	0	4,913,841	1,492,013	3,379,129	15%	417,912,177	3,061,011	44,498	1,082,033	1,082,033	1,439,944	98,175	1,518,121		
Total SPV Available / Cost of Energy / kWh	1,263,495	258	402	752,238	18,677	138,473	0	0	1,279,495	392,547	648,828	17%	64,889	3,061,011	44,498	435,545	495,585	502,454	202,414	610,088		
Total SPV Available / Cost of Energy / kWh	8,013,749	1,100	1,263	3,147,781	74,756	356,476	0	0	4,913,841	1,492,013	3,379,129	15%	417,912,177	3,061,011	44,498	1,082,033	1,082,033	1,439,944	98,175	1,518,121		

Energy Summary  
 Smart Street  
 Smart Street  
 Smart Street





**STAFF-DR-02-003**

**REQUEST:**

Refer to Duke Kentucky's response to Staff's First Request, Item 3.

- a. Provide the calculation of the Total Resource Cost ("TRC") score for the Smart Saver Custom Program.
- b. Refer to Case Nos. 2016-00289<sup>1</sup> and 2016-00382.<sup>2</sup> The TRC score for the Smart Saver Custom Program was 3.46 and 1.22 in each case, respectively. Explain the decline in the TRC score.

**RESPONSE:**

- a. Please see STAFF-DR-02-002 Attachment.
- b. The drop in TRC scores between the cases references was caused primarily by (1) a decrease in avoided cost rates for the applicable time periods and (2) changes in analytic model customer loadshape assumptions.

**PERSON RESPONSIBLE:**                   Stephanie Simpson (a)  
Andrew Taylor (b)

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<sup>1</sup> Case No. 2016-00289, *Electronic Application of Duke Energy Kentucky, Inc. to Amend Its Demand Side Management Programs* (Ky. PSC Jan. 24, 2017).

<sup>2</sup> Case No. 2016-00382, *Annual Cost Recovery Filing for DSM* (Ky. PSC Mar. 28, 2017).

**Duke Energy Kentucky  
Case No. 2017-00324  
Staff's Second Set Data Requests  
Date Received: October 19, 2017**

**STAFF-DR-02-004**

**REQUEST:**

Refer to Duke Kentucky's response to Staff's First Request, Item 9.b.

- a. Confirm that Duke Kentucky has not launched the expansion of an additional marketing referral channel for the Residential Smart Saver Energy Efficient Products Program.
- b. Provide the date when Duke plans to launch the expansion.

**RESPONSE:**

- a. Duke Energy Kentucky has not launched the expansion of the retail channel for the Residential Smart Saver Energy Efficient Products program.
- b. The launch date is targeted for the first half of 2018. We will continue to hold off launching KY until we are able to launch in Ohio due to the high concern of leakage from one jurisdiction into the other.

**PERSON RESPONSIBLE:** Trisha Haemmerle