

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In The Matter Of:)
)
THE ANNUAL COST RECOVERY FILING) Case No. 2018-00370
FOR DEMAND SIDE MANAGEMENT BY)
DUKE ENERGY KENTUCKY, INC.)

**PETITION OF DUKE ENERGY KENTUCKY, INC.
FOR CONFIDENTIAL TREATMENT OF INFORMATION
CONTAINED IN ITS RESPONSES TO COMMISSION STAFF'S
FIRST SET OF DATA REQUESTS**

Duke Energy Kentucky, Inc. (Duke Energy Kentucky or Company), pursuant to 807 KAR 5:001, Section 13, respectfully requests the Commission to classify and protect certain information provided by Duke Energy Kentucky filed in response to STAFF-DR-01-012, specifically the information contained in Confidential Attachment STAFF-DR-01-012 (Attachment), for which Duke Energy Kentucky now seeks confidential treatment (Confidential Information), contains confidential and proprietary information including detailed risk analysis and evaluations.

In support of this Petition, Duke Energy Kentucky states:

1. The Kentucky Open Records Act exempts from disclosure certain commercial information. KRS 61.878(1)(c). To qualify for this exemption and, therefore, maintain the confidentiality of the information, a party must establish that disclosure of the commercial information would permit an unfair advantage to competitors of that party. Public disclosure of the information identified herein would, in fact, prompt such a result for the reasons set forth below.

2. The information submitted and for which the Company is seeking confidential protection contains detailed information regarding the Company's capacity position in the competitive wholesale markets to meet reliability obligations. If this information became publicly available, the Company would be at a competitive disadvantage in future negotiations with counter parties and competitors as they would know what the Company's capacity position and potential needs will be for future delivery years and how the Company may be willing to value the product against the market at the time. If disclosed, potential future counter parties could make decisions regarding their offers that they may not have otherwise made thereby impacting the price the Company may be able to negotiate. Moreover, this information could be used to the Company's disadvantage as it tries to meet potential capacity shortfalls or sell any potential excess into the competitive markets.

3. The Confidential Information is distributed within Duke Energy Kentucky, only to those who must have access for business reasons, and is generally recognized as confidential and proprietary in the energy industry.

4. The Confidential Information for which Duke Energy Kentucky is seeking confidential treatment is not known outside of Duke Energy Corporation.

5. Duke Energy Kentucky does not object to limited disclosure of the confidential information described herein, pursuant to an acceptable protective agreement, with the Attorney General or other intervenors with a legitimate interest in reviewing the same for the purpose of participating in this case.

6. This information was, and remains, integral to Duke Energy Kentucky's effective execution of business decisions. And such information is generally regarded as

confidential or proprietary. Indeed, as the Kentucky Supreme Court has found, “information concerning the inner workings of a corporation is ‘generally accepted as confidential or proprietary.’” *Hoy v. Kentucky Industrial Revitalization Authority*, 904 S.W.2d 766, 768 (Ky. 1995).

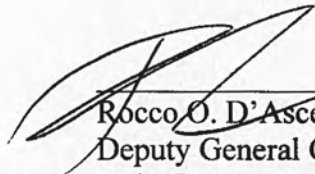
7. In accordance with the provisions of 807 KAR 5:001, Section 13(3), the Company is filing one copy of the Confidential Information separately under seal, and one copy without the Confidential Information included.

8. Duke Energy Kentucky respectfully requests that the Confidential Information be withheld from public disclosure for a period of ten years. This will assure that the Confidential Information – if disclosed after that time – will no longer be commercially sensitive so as to likely impair the interests of the Company or its customers if publicly disclosed.

9. To the extent the Confidential information becomes generally available to the public, whether through filings required by other agencies or otherwise, Duke Energy Kentucky will notify the Commission and have its confidential status removed, pursuant to 807 KAR 5:001 Section 13(10)(a).

WHEREFORE, Duke Energy Kentucky, Inc., respectfully requests that the Commission classify and protect as confidential the specific information described herein.

Respectfully submitted,



Rocco O. D'Ascenzo (92796)
Deputy General Counsel
Duke Energy Kentucky, Inc.
139 East Fourth Street, 1303-Main
Cincinnati, Ohio 45202
(513) 287-4320
(513) 287-4385 (f)
Rocco.D'ascenzo@duke-energy.com
Counsel for Duke Energy Kentucky, Inc.

CERTIFICATE OF SERVICE

I hereby certify that a copy of the foregoing filing was served on the following via overnight mail, this 18th day of January 2019:

Kent Chandler
The Office of the Attorney General
Utility Intervention and Rate Division
700 Capital Avenue, Suite 20
Frankfort, Kentucky 40601-8204

Kurt Krahn
Northern Kentucky Community Action Commission
717 Madison Avenue
Covington, Kentucky 41011
kkrahn@nkcac.org

Peter Nienaber
Northern Kentucky Legal Aid, Inc.
302 Greenup
Covington, Kentucky 41011
pnieaber@lablaw.org

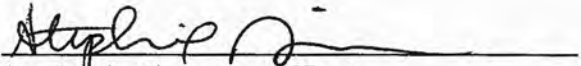


Rocco O. D'Ascenzo

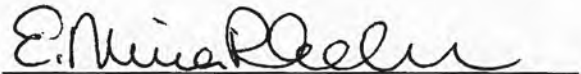
VERIFICATION

STATE OF OHIO)
) SS:
COUNTY OF HAMILTON)

The undersigned, Stephanie Simpson, Program Performance 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.


Stephanie Simpson, Affiant

Subscribed and sworn to before me by Stephanie Simpson on this 14 day of January, 2019.


NOTARY PUBLIC

My Commission Expires: July 8, 2022




E. MINNA ROLFES-ADKINS
Notary Public, State of Ohio
My Commission Expires
July 8, 2022

VERIFICATION

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

The undersigned, Casey Ruschman, Products and Services 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.



Casey Ruschman, Affiant

Subscribed and sworn to before me by Casey Ruschman on this 9th day of January, 2019.



NOTARY PUBLIC



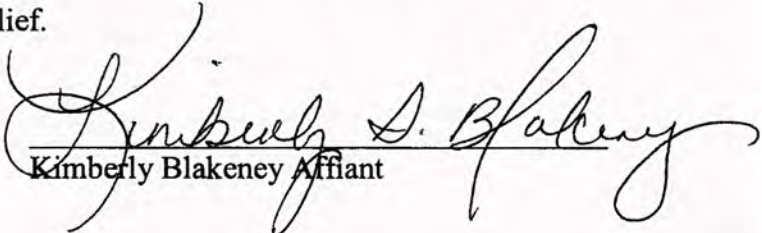
ADELE M. FRISCH
Notary Public, State of Ohio
My Commission Expires 01-05-2024

My Commission Expires: 1/5/2024

VERIFICATION

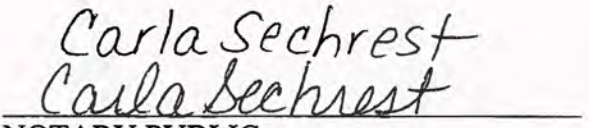
STATE OF NORTH CAROLINA)
) SS:
 COUNTY OF MECKLENBURG)

The undersigned, Kimberly Blakeney, Products & Services 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.



 Kimberly Blakeney Affiant

Subscribed and sworn to before me by Kimberly Blakeney on this 9 day of January, 2019.



 NOTARY PUBLIC



My Commission Expires: 7/27/2019

VERIFICATION

STATE OF NORTH CAROLINA)
) SS:
COUNTY OF MECKLENBURG)

The undersigned, Roshena Ham, Senior Products & Services 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.

Roshena Ham 1/9/19
Roshena Ham Affiant

STATE OF NORTH CAROLINA
COUNTY OF MECKLENBURG

Subscribed and sworn to before me by Roshena Ham on this 9TH day of

JANUARY, 2019.



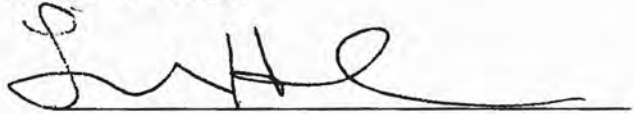
Champak Chita Bhula
CHAMPAK CHITA BHULA
NOTARY PUBLIC

My Commission Expires:
My Commission expires
March 1, 2021

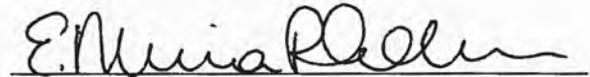
VERIFICATION

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 15th day of January, 2019.


NOTARY PUBLIC

My Commission Expires: July 8, 2022

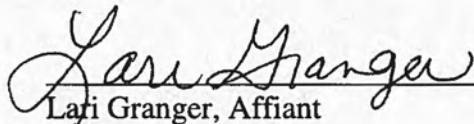


E. MINNA ROLFES-ADKINS
Notary Public, State of Ohio
My Commission Expires
July 8, 2022

VERIFICATION

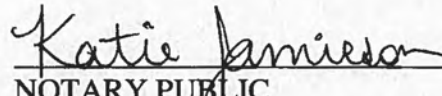
STATE OF NORTH CAROLINA)
) SS:
COUNTY OF MECKLENBURG)

The undersigned, Lari Granger, Manager Products & Services, 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.



Lari Granger, Affiant

Subscribed and sworn to before me by Lari Granger on this 15 day of January
2019.



NOTARY PUBLIC

KATIE JAMIESON
Notary Public, North Carolina
Gaston County
My Commission Expires

My Commission Expires: June 14, 2021

VERIFICATION

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

The undersigned, Bob Bolubasz, Sr. Products & 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 her knowledge, information and belief.


_____)
Bob Bolubasz, Affiant

Subscribed and sworn to before me by Bob Bolubasz on this 17th day of January, 2019.



NOTARY PUBLIC

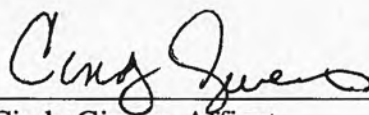
My Commission Expires:

 **ROCCO O. D'ASCENZO**
ATTORNEY AT LAW
Notary Public, State of Ohio
My Commission Has No Expiration
Section 147.03 R.C.


VERIFICATION

STATE OF OHIO)
) SS:
COUNTY OF HAMILTON)

The undersigned, Cindy Givens, Senior Products & Services Specialist, 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.


Cindy Givens, Affiant

Subscribed and sworn to before me by Cindy Givens on this 9th day of January, 2019.


NOTARY PUBLIC

My Commission Expires: July 8, 2022

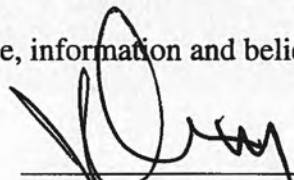


E. MINNA ROLFES-ADKINS
Notary Public, State of Ohio
My Commission Expires
July 8, 2022

VERIFICATION

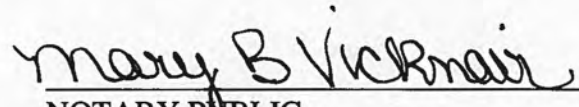
STATE OF NORTH CAROLINA)
)
) SS:
COUNTY OF MECKLENBURG)

The undersigned, John A. Verderame, Managing Direct – Power, Trading & Dispatch, 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.



John A. Verderame, Affiant

Subscribed and sworn to before me by John A. Verderame on this 8 day of January, 2019.



NOTARY PUBLIC

My Commission Expires:

MARY B VICKNAIR
NOTARY PUBLIC
Davie County
North Carolina
My Commission Expires Sept. 21, 2022

KyPSC Case No. 2018-00370
TABLE OF CONTENTS

<u>DATA REQUEST</u>	<u>WITNESS</u>	<u>TAB NO.</u>
STAFF-DR-01-001	Stephanie Simpson	1
STAFF-DR-01-002	Casey Ruschman	2
STAFF-DR-01-003	Kimberly Blakeney	3
STAFF-DR-01-004	Roshena Ham	4
STAFF-DR-01-005	Trisha Haemmerle	5
STAFF-DR-01-006	Lari Granger Trisha Haemmerle	6
STAFF-DR-01-007	Bob Bolubasz	7
STAFF-DR-01-008	Cindy Givens	8
STAFF-DR-01-009	Trisha Haemmerle Stephanie Simpson	9
STAFF-DR-01-010	Stephanie Simpson	10
STAFF-DR-01-011	Trisha Haemmerle Stephanie Simpson	11
STAFF-DR-01-012	John Verderame	12

Duke Energy Kentucky
Case No. 2018-00370
STAFF First Set Data Requests
Date Received: January 4, 2019

STAFF-DR-01-001

REQUEST:

Refer to the application, page 7, Table of Load Impacts July 2017-June 2018, and to Case No. 2017-00427,¹ page 7, Table of Load Impacts July 2016-June 2017.

- a. Explain why kWh Impacts have increased.
- b. Explain why kWh Impacts have decreased.

RESPONSE:

- a. The Smart Saver® Custom program was the main driver of increased impacts this filing period. Customers participate in a different mix of projects each filing period, which affects both participation numbers as well as KWH. The 2017-18 filing period saw a particular interest in lighting and process measures/projects.
- b. The main drivers of decreased impacts were the following:
 - i. **My Home Energy Report:** The program discontinued sending out reports after March 2018 due to the order in Case No. 2017-00427, which suspended the majority of Duke Energy Kentucky's programs. This KWH decrease, which was offset somewhat by an increase in participation, was just over 17%.
 - ii. **Residential Smart Saver:** This program saw a decrease in impacts of nearly 40%. In particular, LEDs (which have historically made up a large portion

¹ Case No. 2017-00427, Electronic Annual Cost Recovery Filing for Demand Side Management by Duke Energy Kentucky, Inc. (Ky. PSC Nov. 15, 2017).

of the program's KWH), were on track to achieve similar participation during this filing period as they had during 2016-17. These and the other Residential Smart Saver® measures were no longer offered after February 2018 due to the order in Case No. 2017-00427. LEDs saw a decrease in participation of 38% as compared to the 2016-17 filing period.

- iii. **Smart Saver® Prescriptive – Lighting:** Customers participate in a different mix of measures each filing period, which affects both participation numbers as well as KWH.

PERSON RESPONSIBLE: Stephanie Simpson

**Duke Energy Kentucky
Case No. 2018-00370
STAFF First Set Data Requests
Date Received: January 4, 2019**

STAFF-DR-01-002

REQUEST:

Refer to the application, page 18, paragraph 48. Explain in detail why the income parameters for eligible customers are 150 percent of the federal poverty level for Low Income Services Program and 200 percent for the Low Income Neighborhood Program on the current tariff Sheet No. 105.

RESPONSE:

The Low Income Services Program was initially filed back in the early 2000 time frame. At that time, the LIHEAP program was using 150% of the Federal Poverty Level as the guideline for allowing weatherization work to be completed.

Since that time, the LIHEAP / DOE programs have increased to 200% of poverty; however, the Duke Energy Low Income Services program has not been updated to reflect that change.

The Low Income Neighborhood Program was initially filed back in 2012. At that time, the program had been filed and approved in the remaining Duke Energy jurisdictions at 200% of poverty. For consistency, the same guidelines were used across all jurisdictions.

PERSON RESPONSIBLE: Casey Ruschman

STAFF-DR-01-003

REQUEST:

Refer to the application, page 24, referencing Residential Direct Load Control – Power Manager® Program. Provide the program enrollment agreement showing the options and rewards for participating customers.

RESPONSE:

- Customers can enroll in the Power Manager program via online enrollment or by calling the call center.
- Customers have two options to choose from and based on their selection the customer will receive a one-time installation credit and annual credits:
 - Moderate option – Installation credit \$25, annual credit \$2.40 from May-September
 - High option- Installation credit \$35, annual credit \$3.60 from May-September

Please see STAFF-DR-01-003 Attachment for the online registration form.

PERSON RESPONSIBLE: Kimberly Blakeney

STEP 1. CUSTOMER ACCOUNT VERIFICATION

Thank you for your interest in Power Manager. To enroll, please:

1. Complete one of the three options for your account
2. Provide your email address (optional)
3. Click Submit or Reset (to change your information)

Duke Energy Account Number (no dashes)

-OR-

Phone Number (numbers only)

-OR-

Account Holder Last Name

Street Address

Zip Code

Email Address (Optional)

Submit

REQUEST:

Refer to the application, page 29, paragraph 75.

- a. Provide the anticipated completion timeframe for the Smart Saver Prescriptive Program updates such as the reservations system, removal of several measures, and incentive adjustments.
- b. Provide a list of the 36 new cost-effective measures that were selected for addition to the program.

RESPONSE:

- a. The program updates, including the initial launch of the reservation system, removal of several measures, and incentive adjustments were put into place when the program was reinstated in October 2018. Additional work will be needed in 2019 to fully integrate the reservation system into our application processing platform.

- b. New measures added to the program are:

- Suction Pipe Insulation - Coolers
- Suction Pipe Insulation - Freezers
- High Volume Low Speed Fan
- HVAC Packaged Terminal Heat Pump 7600 Btuh 12.4 EER 3.4 COP
- HVAC Packaged Terminal Heat Pump 12000 Btuh 11.4 EER 3.3 COP
- HVAC Packaged Terminal Heat Pump 15000 Btuh 10.2 EER 3.2 COP
- High Efficiency Fans 14 to 23 inches - C&I
- High Efficiency Fans 24 to 35 inches - C&I
- High Efficiency Fans 36 to 47 inches - C&I
- High Efficiency Fans 48 to 61 inches - C&I
- HVAC DX AC 65-135kBtuh 12.2 EER (Tier 2) - EER only

HVAC DX AC 135-240kBtuh 12.2 EER (Tier 2) - EER only
HVAC DX AC 240-760kBtuh 10.8 EER (Tier 2) - EER only
HVAC DX AC 65-135kBtuh 11.7 EER (Tier 0_1) - EER only
HVAC DX AC 135-240kBtuh 11.7 EER (Tier 0_1) - EER only
HVAC DX AC 240-760kBtuh 10.5 EER (Tier 0_1) - EER only
HVAC DX AC less than 65kBtuh 16 SEER (Tier 2) - EER only
HVAC DX AC less than 65kBtuh 15 SEER (Tier 0_1) - EER only
HVAC DX HP 65-135kBtuh 11.3 EER 3.4 COP (Tier 1) - EER only
HVAC DX HP 135-240kBtuh 10.9 EER 3.3 COP (Tier 1) - EER only
HVAC DX AC greater than 760kBtuh 10.4 EER (Tier 2) - EER only
HVAC DX AC greater than 760kBtuh 9.9 EER (Tier 0_1) - EER only
HVAC DX HP greater than 240 kBtuh 10.3 EER 3.3 COP (Tier 1) - EER only
HVAC DX HP Packaged less than 65kBtuh 16 SEER 9 HSPF (Tier 2) - EER only
HVAC DX HP Packaged less than 65kBtuh 15 SEER 8.5 HSPF (Tier 1) - EER only
LED Highbay replacing 251-400W HID Lamp
LED Lowbay replacing 176W-250W HID Lamp
LED Lowbay replacing up to 175W HID Lamp
LED Highbay replacing greater than 400W HID Lamp
LED Highbay Fixture replacing 6-lamp 4ft T8 fixture
LED Highbay Fixture replacing 2-lamp 8ft T12 fixture
LED Highbay Fixture replacing 4-lamp 4ft T5HO fixture
LED Flood rplcng or ILO greater than 500W HAL, INCD, or HID
LED 4ft Tube 1-LED replacing or in lieu of T5SO fluorescent
LED 4ft Tube 1-LED, replacing or in lieu of T5HO fluorescent
LED A Lamps replacing exterior Incandescent and CFL less than 100W

PERSON RESPONSIBLE: Roshena Ham

**Duke Energy Kentucky
Case No. 2018-00370
STAFF First Set Data Requests
Date Received: January 4, 2019**

STAFF-DR-01-005

REQUEST:

Refer to the application, page 34, paragraph 91. Also, refer to Tariff Filing TFS 2018-00522,¹ First Revised Sheet No. 116. Reconcile the statement that beginning in 2018, Smart Saver® Energy Assessments will only be conducted as necessary with the tariff filing that states the sheet is canceled and withdrawn.

RESPONSE:

Smart Saver® Energy Assessments is no longer a standalone program. If a customer requires an assessment that will be determined through the Smart Saver® Custom program. Tariff Filing TFS 2018, First Revised Sheet No. 116 was canceled and withdrawn because it was a duplicate tariff for Smart Saver® Custom. The Smart Saver® Custom tariff is Tariff Filing TFS 2018-00522, First Revised Sheet No. 111. The change also resulted in Smart Saver® Energy Assessments Original Sheet No. 112 to be canceled and withdrawn.

PERSON RESPONSIBLE: Trisha Haemmerle

¹ TSF 2018-00522, Rates per Order in Case No. 2017-00427 (DSM), filed Nov. 16, 2018.

REQUEST:

Refer to the application, page 40, paragraph 99.

- a. Explain in detail how Duke Kentucky is addressing the MyHER program, changing from opt-out to opt-in.
- b. Also, refer to Tariff Filing TFS 2018-00522, First Revised Sheet No. 115. Reconcile changing this to an opt-in program with the tariff sheet, which states that this sheet is canceled and withdraw.

RESPONSE:

- a. The MyHER team discontinued sending MyHER reports immediately following the ruling. The team has created a two-fold marketing plan to offer previous KY MyHER customers the opportunity to opt-in to the program.

EMAIL: KY MyHER customers that Duke Energy has email addresses for will receive an email giving them the opportunity to opt in to the program and start receiving the report again. Two weeks after this email has been sent, a follow up email will be sent to those KY MyHER customers who haven't responded.

DIRECT MAIL: KY MyHER customers that Duke Energy does not have email addresses for will receive a communication by mail giving them the opportunity to opt in to the program. This communication will also go to KY MyHER customers that did not respond to the email communications. These communications are in design and are targeted to start going out at the end of March 2019.

- b. TFS 2018-00522, First Revised Sheet No. 115 is for the Personalized Energy Report (PER)[®] which is no longer a program within the DSM portfolio resulting in the tariff to be canceled and withdrawn. The tariff for the My Home Energy Report (MyHER) is TFS 2018-00522, First Revised Sheet No. 107 and includes a reference to the opt-in program.

PERSON RESPONSIBLE:

Lari Granger – a.
Trisha Haemmerle – b.

**Duke Energy Kentucky
Case No. 2018-00370
STAFF First Set Data Requests
Date Received: January 4, 2019**

STAFF-DR-01-007

REQUEST:

Refer to the Application, page 43, paragraph 111. Provide an update to the Performance Incentive Program plans.

RESPONSE:

During the filing period of the fiscal year 2017-2018, the Performance Incentive Program was approved to launch in Duke Energy Kentucky, and plans to market the program were in place. However, the Company did not market the program due to the high success of our Prescriptive and Custom programs. The result was a lack of participation during this filing period. Similarly, for 2018-2019, unless participation in other Non-Residential programs declines, the Company does not plan to offer the Performance Incentive program.

PERSON RESPONSIBLE: Bob Bolubasz

STAFF-DR-01-008

REQUEST:

Refer to the Application, page 47, paragraph 125.

- a. Explain in detail what the administration costs of \$27,925 for the July 2017-June 2018 period entailed.
- b. Explain if the administration costs capped at a certain amount or percentage. If so, explain in detail how this is calculated. If not, explain in detail the reason why not.

RESPONSE:

- a. The Administrative costs include determining the eligibility and the assessment of the customer's needs for the appropriate services and to distribute the funds. With respect to the 15 percent administration cost, this level of cost is associated with state and federal funding guidelines that prevent NKCAC from using federal dollars to operate programs other than the respective state or federally funded programs. Therefore, the administrative costs for HEA cannot be shared with other programs.
- b. The administration costs are capped at 15% of the total of HEA funds distributed to eligible customers by NKCAC during the period entailed.

PERSON RESPONSIBLE: Cindy Givens

STAFF-DR-01-009

REQUEST:

Refer to the Application, page 48, paragraph 130.

- a. Explain why Duke Kentucky suggests removing the gas allocations to the residential programs.
- b. Provide a revised Exhibit B with the gas allocations, or with page 7, in Excel spreadsheet format with all formulas intact and unprotected, and with all columns and rows accessible.

RESPONSE:

- a. Given the limited opportunity for gas customer participation in the Company's DSM programs following the Commission's September 13, 2018 Order, and the fact that the only natural gas savings attributes are limited to low income/income qualified programs¹, the Company requested the Commission's authorization to allocate all costs, except for the HEA charge, to the electric rider DSMR.
- b. Please see STAFF-DR-01-009 Attachment.

PERSON RESPONSIBLE: Trisha Haemmerle – a.
Stephanie Simpson – b.

¹ Gas customers will still participate in the Home Energy Assistance program as approved in Case No. 2017-00189.

**STAFF-DR-01-009
EXCEL ATTACHMENT**

PROVIDED ELECTRONICALLY AND ON CD

Kentucky DSM Rider

Comparison of Revenue Requirement to Rider Recovery

Residential Programs	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	Projected Program Costs 7/2017 to 6/2018 (A)	Projected Lost Revenues 7/2017 to 6/2018 (A)	Projected Shared Savings 7/2017 to 6/2018 (A)	Program Expenditures 7/2017 to 6/2018 (B)	Program Expenditures (C) Gas	Program Expenditures (C) Electric	Lost Revenues 7/2017 to 6/2018 (B)	Shared Savings 7/2017 to 6/2018 (B)	2017 Gas (D)	Reconciliation Electric (E)	Rider Collection (F) Gas	Rider Collection (F) Electric	(Over)/Under Collection Gas (G)	(Over)/Under Collection Electric (H)
Appliance Recycling Program	\$ -	\$ 15,695	\$ -	\$ -	\$ -	\$ -	\$ 12,052	\$ -						
Energy Efficiency Education Program for Schools	\$ 275,930	\$ 67,148	\$ (495)	\$ 155,368	\$ 33,228	\$ 122,140.11	\$ 47,617	\$ 1,910						
Low Income Neighborhood	\$ 306,206	\$ 37,486	\$ (15,051)	\$ 221,100	\$ -	\$ 221,100.45	\$ 28,800	\$ (9,556)						
Low Income Services	\$ 925,461	\$ 51,905	\$ (46,167)	\$ 431,011	\$ 187,756	\$ 243,254.65	\$ 29,438	\$ (16,091)						
My Home Energy Report	\$ 798,061	\$ 706,256	\$ 25,078	\$ 372,001	\$ -	\$ 372,000.83	\$ 395,323	\$ 25,456						
Residential Energy Assessments	\$ 276,410	\$ 79,984	\$ 8,280	\$ 136,433	\$ -	\$ 136,433.40	\$ 46,714	\$ 7,164						
Residential Smart Saver®	\$ 2,503,271	\$ 1,026,020	\$ 85,565	\$ 1,446,170	\$ -	\$ 1,446,169.64	\$ 780,687	\$ 126,113						
Power Manager®	\$ 706,922	\$ -	\$ 840,876	\$ 527,636	\$ -	\$ 527,635.84	\$ -	\$ 111,905						
Power Manager® for Apartments	\$ 58,552	\$ -	\$ 5,795	\$ (8,399)	\$ -	\$ (8,399.05)	\$ -	\$ 840						
Home Energy Assistance Pilot Program (I) Revenues collected except for HEA	\$ 258,401			\$ 214,095	\$ 89,662	\$ 124,432					\$ 109,473	\$ 151,925		
Total	\$ 6,109,214	\$ 1,984,494	\$ 903,882	\$ 3,495,415	\$ 310,646	\$ 3,184,768	\$ 1,340,630	\$ 247,742	\$ (2,724,719)	\$ 46,144	\$ (1,363,233)	\$ 9,903,602	\$ (1,050,839)	\$ (5,236,244)

- (A) Amounts identified in report filed in Case No. 2015-00368 and Case No. 2016-00289.
- (B) Actual program expenditures, lost revenues (for this period and from prior period DSM measure installations), and shared savings for the period July 1, 2017 through June 30, 2018.
- (C) Allocation of program expenditures to gas and electric in accordance with the Commission's Order in Case No. 2014-00388.
- (D) Recovery allowed in accordance with the Commission's Order in Case No. 2012-00085.
- (E) Recovery allowed in accordance with the Commission's Order in Case No. 2012-00085.
- (F) Revenues collected through the DSM Rider between July 1, 2017 and June 30, 2018.
- (G) Column (5) + Column (9) - Column(11).
- (H) Column (6) + Column (7) + Column (8) + Column (10) - Column(12).
- (I) Revenues and expenses for the Home Energy Assistance Pilot Program.

Commercial Programs	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	Projected Program Costs 7/2017 to 6/2018 (A)	Projected Lost Revenues 7/2017 to 6/2018 (A)	Projected Shared Savings 7/2017 to 6/2018 (A)	Program Expenditures 7/2017 to 6/2018 (B)	Lost Revenues 7/2017 to 6/2018 (B)	Shared Savings 7/2017 to 6/2018 (B)	2017 Reconciliation (C)	Rider Collection (D)	(Over)/Under Collection (E)
Small Business Energy Saver	\$ 1,077,726	\$ 232,139	\$ 127,508	\$ 883,115	\$ 166,751	\$ 111,408			
Smart Saver® Custom	\$ 435,565	\$ 109,614	\$ 64,889	\$ 841,404	\$ 133,475	\$ 291,228			
Smart Saver® Non-Residential Performance Incentive Program	\$ 44,593	\$ 14,276	\$ 6,908	\$ -	\$ -	\$ -			
Smart Saver® Prescriptive - Energy Star Food Service Products	\$ 40,177	\$ 14,711	\$ 7,236	\$ 44,817	\$ 6,995	\$ 5,716			
Smart Saver® Prescriptive - HVAC	\$ 224,262	\$ 27,306	\$ 20,926	\$ 107,753	\$ 10,908	\$ 2,712			
Smart Saver® Prescriptive - IT	\$ 15,537	\$ 5,272	\$ (1,553)	\$ 5,647	\$ 3	\$ (565)			
Smart Saver® Prescriptive - Lighting	\$ 1,223,636	\$ 283,247	\$ 125,607	\$ 2,309,504	\$ 359,979	\$ 552,075			
Smart Saver® Prescriptive - Motors/Pumps/VFD	\$ 30,337	\$ 10,489	\$ 3,034	\$ 38,759	\$ 6,529	\$ 8,629			
Smart Saver® Prescriptive - Process Equipment	\$ 9,832	\$ 2,331	\$ (983)	\$ 5,139	\$ 2,043	\$ (514)			
Power Manager® for Business	\$ 143,872	\$ 6,906	\$ (2,021)	\$ 46,632	\$ 131	\$ (3,224)			
Total	\$ 3,245,539	\$ 706,291	\$ 351,552	\$ 4,282,770	\$ 686,815	\$ 967,465	\$ 5,576,651	\$ 5,490,906	\$ 6,022,795
PowerShare®	\$ 924,919	\$ -	\$ 80,183	\$ 709,527	\$ -	\$ 141,236	\$ 178,273	\$ 463,782	\$ 565,255

- (A) Amounts identified in report filed in Case No. 2015-00368 and Case No. 2016-00289.
- (B) Actual program expenditures, lost revenues (for this period and from prior period DSM measure installations), and shared savings for the period July 1, 2017 through June 30, 2018.
- (C) Recovery allowed in accordance with the Commission's Order in Case No. 2012-00085.
- (D) Revenues collected through the DSM Rider between July 1, 2017 and June 30, 2018.
- (E) Column (4) + Column (5) + Column (6) + Column (7) - Column (8)

2019-2020 Projected Program Costs, Lost Revenues, and Shared Savings

Residential Program Summary (A)

	Residential Program Summary (A)				Allocation of Costs (B)			Budget (Costs, Lost Revenues, & Shared Savings)		
	Costs	Lost Revenues	Shared Savings	Total	Electric	Gas	Electric Costs	Electric	Gas Costs	
Low Income Neighborhood	\$ 371,468	\$ 7,935	\$ (15,844)	\$ 363,559	100.0%	0.0%	\$ 371,468	\$ 363,559	\$ -	
Low Income Services	\$ 810,628	\$ 11,128	\$ (30,069)	\$ 791,688	55.5%	44.5%	\$ 449,527	\$ 430,586	\$ 361,101	
My Home Energy Report	\$ 210,062	\$ 255,115	\$ 27,331	\$ 492,508	100.0%	0.0%	\$ 210,062	\$ 492,508	\$ -	
Residential Energy Assessments	\$ 326,678	\$ 15,180	\$ 7,262	\$ 349,120	100.0%	0.0%	\$ 326,678	\$ 349,120	\$ -	
Residential Smart \$aver®	\$ 2,047,087	\$ 260,010	\$ 243,331	\$ 2,550,429	100.0%	0.0%	\$ 2,047,087	\$ 2,550,429	\$ -	
Power Manager®	\$ 564,560	\$ -	\$ 131,418	\$ 695,978	100.0%	0.0%	\$ 564,560	\$ 695,978	\$ -	
Total Costs, Net Lost Revenues, Shared Savings	\$ 4,330,484	\$ 549,368	\$ 363,430	\$ 5,243,282			\$ 3,969,383	\$ 4,882,181	\$ 361,101	
Home Energy Assistance Pilot Program	\$ 261,425							\$ 151,925	\$ 109,500	

NonResidential Program Summary (A)

	NonResidential Program Summary (A)				Allocation of Costs (B)			Budget (Costs, Lost Revenues, & Shared Savings)		
	Costs	Lost Revenues	Shared Savings	Total	Electric	Gas	Electric Costs	Electric	Gas	
Small Business Energy Saver	\$ 874,529	\$ 36,499	\$ 116,303	\$ 1,027,331	100.0%	0.0%	\$ 874,529	\$ 1,027,331	NA	
Smart \$aver® Custom	\$ 675,415	\$ 36,816	\$ 155,383	\$ 867,615	100.0%	0.0%	\$ 675,415	\$ 867,615	NA	
Smart \$aver® Non-Residential Performance Incentive Program	\$ -	\$ -	\$ -	\$ -	100.0%	0.0%	\$ -	\$ -	NA	
Smart \$aver® Prescriptive (C)	\$ 1,588,696	\$ 58,728	\$ 563,229	\$ 2,210,653	100.0%	0.0%	\$ 1,588,696	\$ 2,210,653	NA	
PowerShare®	\$ 908,290	\$ -	\$ 153,191	\$ 1,061,481	100.0%	0.0%	\$ 908,290	\$ 1,061,481	NA	
Total Costs, Net Lost Revenues, Shared Savings	\$ 4,046,929	\$ 132,044	\$ 988,106	\$ 5,167,079			\$ 4,046,929	\$ 5,167,079	NA	
Total Program	\$ 8,377,413	\$ 681,412	\$ 1,351,536	\$ 10,410,361						

(A) Costs, Lost Revenues (for this period and from prior period DSM measure installations), and Shared Savings for Year 8 of portfolio.

(B) Updated to reflect Gas Allocations in response to STAFF-DR-01-009b

(C) Smart \$aver® Prescriptive consists of the following technologies: Energy Efficient Food Service Projects, HVAC, Lighting, IT, Pumps and Motors, and Process Equipment.

Duke Energy Kentucky
Demand Side Management Cost Recovery Rider (DSMR)
Summary of Calculations for Programs

July 2019 to June 2020

	Program Costs (A)
<u>Electric Rider DSM</u>	
Residential Rate RS	\$ 4,882,181
Distribution Level Rates Part A DS, DP, DT, GS-FL, EH & SP	\$ 4,105,599
Transmission Level Rates & Distribution Level Rates Part B	\$ 1,061,481
<u>Gas Rider DSM</u>	
Residential Rate RS	\$ 361,101

(A) See Appendix B, page 2 of 5.

Duke Energy Kentucky
Demand Side Management Cost Recovery Rider (DSMR)
Summary of Billing Determinants

Year 2019

Projected Annual Electric Sales kWh

Rate RS 1,436,685,800

Rates DS, DP, DT,
GS-FL, EH, & SP 2,333,287,003

Rates DS, DP, DT,
GS-FL, EH, SP, & TT 2,570,138,003

Projected Annual Gas Sales CCF

Rate RS 57,859,338

Duke Energy Kentucky
 Demand Side Management Cost Recovery Rider (DSMR)
 Summary of Calculations

July 2017 to June 2018

Rate Schedule Riders	True-Up Amount (A)	Expected Program Costs (B)	Total DSM Revenue Requirements	Estimated Billing Determinants (C)	DSM Cost Recovery Rider (DSMR)
<u>Electric Rider DSM</u> Residential Rate RS	\$ (5,331,020)	\$ 4,882,181	\$ (448,839)	1,436,685,800 kWh	\$ (0.000312) \$/kWh
Distribution Level Rates Part A DS, DP, DT, GS-FL, EH & SP	\$ 6,131,808	\$ 4,105,599	\$ 10,237,406	2,333,287,003 kWh	\$ 0.004388 \$/kWh
Transmission Level Rates & Distribution Level Rates Part B TT	\$ 575,486	\$ 1,061,481	\$ 1,636,966	2,570,138,003 kWh	\$ 0.000637 \$/kWh
Distribution Level Rates Total DS, DP, DT, GS-FL, EH & SP					\$ 0.005024 \$/kWh
<u>Gas Rider DSM</u> Residential Rate RS	\$ (1,069,860)	\$ 361,101	\$ (708,758)	57,859,338 CCF	\$ (0.012250) \$/CCF
Total Rider Recovery			\$ 10,716,775		
Customer Charge for HEA Program <u>Electric No. 4</u> Residential Rate RS			Annual Revenues \$ 151,925	Number of Customers 126,604	Monthly Customer Charge \$ 0.10
<u>Gas No. 5</u> Residential Rate RS			\$ 109,500	91,250	\$ 0.10
Total Customer Charge Revenues			\$ 261,425		
Total Recovery			\$ 10,978,200		

(A) (Over)/Under of Appendix B page 1 multiplied by the average three-month commercial paper rate for 2017 to include interest on over or under-recovery in accordance with the Commission's order in Case No. 95-312. Value is:
 (B) Appendix B, page 2.
 (C) Appendix B, page 4.

Summary of Load Impacts July 2017 Through June 2018*

Allocation Factors
 based on July 2017-
 June 2018

Residential Programs	kWh	% of Total Res		ccf	% of Total Res		Elec % of Total Sales	% of Gas Sales
		Sales			Sales			
Energy Efficiency Education Program for Schools	361,289	0.0240%		4,214	0.0065%		79%	21%
Low Income Neighborhood	226,273	0.0150%		-	0.0000%		100%	0%
Low Income Services	197,878	0.0132%		6,549	0.0102%		56%	44%
My Home Energy Report	9,221,319	0.6129%		-	0.0000%		100%	0%
Residential Energy Assessments	294,049	0.0195%		-	0.0000%		100%	0%
Residential Smart \$aver®	4,933,960	0.3280%		-	0.0000%		100%	0%
Power Manager®	-	0.0000%		-	0.0000%		100%	0%
Power Manager® for Apartments	-	0.0000%		-	0.0000%		100%	0%
Total Residential	15,234,768	1.0126%		10,763	0.0167%			
Total Residential (Rate RS) Sales For July 2017 Through June 2018	1,504,451,330	100%		64,504,698	100%			

*Load Impacts Net of Free Riders at Meter

Summary of Load Impacts July 2019 Through June 2020 (1),(2)

Allocation Factors Projected July 2019-
 June 2020

Residential Programs	kWh	% of Total Res Sales	ccf	% of Total Res Sales	Allocation Factors Projected July 2019- June 2020	
					Elec % of Total Sales	Gas % of Total Sales
Low Income Neighborhood	224,406	0.0156%	-	0.0000%	100%	0%
Low Income Services	314,733	0.0219%	10,182	0.0176%	55%	45%
My Home Energy Report	5,712,000	0.3976%	-	0.0000%	100%	0%
Residential Energy Assessments	425,784	0.0296%	-	0.0000%	100%	0%
Residential Smart \$aver®	7,222,906	0.5027%	-	0.0000%	100%	0%
Power Manager®	-	0.0000%	-	0.0000%	100%	0%
Total Residential	13,899,829	0.9675%	10,182	0.0176%		
Total Residential (Rate RS) Sales Projected	1,436,685,800	100%	57,859,338	100%		

(1)Load Impacts Net of Free Riders at Meter

(2)Added to reflect Gas Allocations in response to STAFF-DR-01-009b

Duke Energy Kentucky
Case No. 2018-00370
STAFF First Set Data Requests
Date Received: January 4, 2019

STAFF-DR-01-010

REQUEST:

Refer to the application, Appendix A. Also Refer to Case No. 2017-00427, application, Appendix A. For each program, provide an explanation for the differences between the Total Resource Cost Scores filed in the instant case and those in Case No. 2017-00427.

RESPONSE:

Program Name	TRC	Explanation
Energy Efficiency Education Program for Schools	1.44	Avoided cost rates and other utility inputs changed this filing period, decreasing benefits. Decreases in cost per participant of 14% did not offset these changes, resulting in a decrease in TRC score.
Low Income Neighborhood	1.40	Avoided cost rates and other utility inputs changed this filing period, decreasing benefits. Costs increased this filing period as well, resulting in a decrease in TRC score.
Low Income Services	0.97	Avoided cost rates and other utility inputs changed this filing period, decreasing benefits. The changes in benefits and costs were nearly equal, resulting in a similar TRC score.
My Home Energy Report	1.69	Avoided cost rates and other utility inputs changed this filing period, decreasing benefits. Although program cost per participant was lower this filing period by around 38%, this did not offset the change in avoided costs, resulting in a lower TRC score.
Residential Energy Assessments	1.66	Avoided cost rates and other utility inputs changed this filing period, decreasing benefits. Costs per participant remained about the same as last year, resulting in a decrease in TRC score.

Residential Smart Saver®	2.01	Avoided cost rates and other utility inputs changed this filing period, decreasing benefits. Decreases in cost and impacts did not offset these changes, resulting in a decrease in TRC score.
Power Manager®	5.19	Avoided cost rates and other utility inputs changed this filing period, decreasing benefits. Costs per participant decreased this filing period by around 46%, offsetting the decreases in avoided capacity, resulting in a higher TRC score.
Power Manager® for Apartments	N/A	No participation this filing period.
Small Business Energy Saver	1.42	Customers participate in a different mix of measures each filing period, affecting avoided costs and program costs. Avoided cost rates and other utility inputs changed this filing period, decreasing benefits. Small changes to cost and participation did not offset these changes, resulting in a lower TRC score.
Smart Saver® Custom	0.99	Customers participate in a different mix of measures each filing period, affecting avoided costs and program costs. Avoided cost rates and other utility inputs changed this filing period, decreasing benefits. Although the custom program saw increases in kwh saved of 84%, this did not offset the changes in avoided costs and resulted in a lower TRC score.
Smart Saver® Non-Residential Performance Incentive Program	N/A	No participation this filing period.
Smart Saver® Prescriptive - Energy Star Food Service Products	1.57	Customers participate in a different mix of measures each filing period, affecting avoided costs and program costs. Avoided cost rates and other utility inputs changed this filing period, decreasing benefits. Although KWH savings increased 22% and costs were down 16%, the mix of measures and slight decrease in cost was not enough to offset the avoided cost changes, resulting in a lower TRC score.
Smart Saver® Prescriptive - HVAC	0.92	Customers participate in a different mix of measures each filing period, affecting avoided costs and program costs. Avoided cost rates and other utility inputs changed this filing period, decreasing benefits.
Smart Saver® Prescriptive - IT	N/A	No participation this filing period.

Smart \$aver® Prescriptive - Lighting	1.92	Customers participate in a different mix of measures each filing period, affecting avoided costs and program costs. Avoided cost rates and other utility inputs changed this filing period, decreasing benefits. The mix of measures resulted in decreased kwh and avoided costs. The decrease in costs this filing period (65%) was not enough to offset these changes, resulting in a lower TRC score.
Smart \$aver® Prescriptive - Motors/Pumps/VFD	2.04	Customers participate in a different mix of measures each filing period, affecting avoided costs and program costs. Avoided cost rates and other utility inputs changed this filing period, decreasing benefits. Increases in kwh along with decreases in cost per participant (76%) offset the avoided cost changes, resulting in a higher TRC score.
Smart \$aver® Prescriptive - Process Equipment	N/A	No participation this filing period.
Power Manager® for Business	0.32	No participation last filing period.
PowerShare®	10.40	Avoided cost rates and other utility inputs changed this filing period, decreasing benefits. Although participation increased slightly, costs did as well, keeping costs per participant nearly the same and resulting in a lower TRC score.

PERSON RESPONSIBLE: Stephanie Simpson

**Duke Energy Kentucky
Case No. 2018-00370
STAFF First Set Data Requests
Date Received: January 4, 2019**

STAFF-DR-01-011

REQUEST:

Refer to the application, Appendix B.

- a. Refer to page 1 of 6. Also refer to Case No. 2016-00382,¹ Appendix B, page 2 of 7. Explain why the Home Energy Assistance Pilot Program is \$258,401 in the instant case and \$255,722 in Case No. 2016-00382.
- b. Provide a copy of this exhibit in Excel spreadsheet format with all formulas intact and unprotected, and with all columns and rows accessible.

RESPONSE:

- a. The \$258,401 is from page 5 of 7 in Case No. 2017-00427. The Home Energy Assistance Pilot Program costs are calculated in the previous year's filing on page 5 and inserted in the current year as the projected cost for that true-up year.
- b. Please see STAFF-DR-01-011 Attachment.

PERSON RESPONSIBLE:

Trisha Haemmerle – a.
Stephanie Simpson – b.

¹ Case No. 2016-00382, Electronic annual Cost Recovery Filing for Demand Side Management By Duke Energy Kentucky, Inc., (Ky. PSC Mar. 28, 2017).

**STAFF-DR-01-011
EXCEL ATTACHMENT**

PROVIDED ELECTRONICALLY AND ON CD

Kentucky DSM Rider

Comparison of Revenue Requirement to Rider Recovery

Residential Programs	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	Projected Program Costs 7/2017 to 6/2018 (A)	Projected Lost Revenues 7/2017 to 6/2018 (A)	Projected Shared Savings 7/2017 to 6/2018 (A)	Program Expenditures 7/2017 to 6/2018 (B)	Program Expenditures (C) Gas	Electric	Lost Revenues 7/2017 to 6/2018 (B)	Shared Savings 7/2017 to 6/2018 (B)	2017 Gas (D)	Reconciliation Electric (E)	Rider Collection (F) Gas	Electric	(Over)/Under Gas (G)	Collection Electric (H)
Appliance Recycling Program	\$ -	\$ 15,695	\$ -	\$ -	\$ -	\$ -	\$ 12,052	\$ -						
Energy Efficiency Education Program for Schools	\$ 275,930	\$ 67,148	\$ (495)	\$ 155,368	\$ 33,228	\$ 122,140.11	\$ 47,617	\$ 1,910						
Low Income Neighborhood	\$ 306,206	\$ 37,486	\$ (15,051)	\$ 221,100	\$ -	\$ 221,100.45	\$ 28,800	\$ (9,556)						
Low Income Services	\$ 925,461	\$ 51,905	\$ (46,167)	\$ 431,011	\$ 187,756	\$ 243,254.65	\$ 29,438	\$ (16,091)						
My Home Energy Report	\$ 798,061	\$ 706,256	\$ 25,078	\$ 372,001	\$ -	\$ 372,000.83	\$ 395,323	\$ 25,456						
Residential Energy Assessments	\$ 276,410	\$ 79,984	\$ 8,280	\$ 136,433	\$ -	\$ 136,433.40	\$ 46,714	\$ 7,164						
Residential Smart Saver®	\$ 2,503,271	\$ 1,026,020	\$ 85,565	\$ 1,446,170	\$ -	\$ 1,446,169.64	\$ 780,687	\$ 126,113						
Power Manager®	\$ 706,922	\$ -	\$ 840,876	\$ 527,636	\$ -	\$ 527,635.84	\$ -	\$ 111,905						
Power Manager® for Apartments	\$ 58,552	\$ -	\$ 5,795	\$ (8,399)	\$ -	\$ (8,399.05)	\$ -	\$ 840						
Home Energy Assistance Pilot Program (I)	\$ 258,401			\$ 214,095	\$ 89,662	\$ 124,432					\$ 109,473	\$ 151,925		
Revenues collected except for HEA											\$ (1,472,706)	\$ 9,903,602		
Total	\$ 6,109,214	\$ 1,984,494	\$ 903,882	\$ 3,495,415	\$ 310,646	\$ 3,184,768	\$ 1,340,630	\$ 247,742	\$ (2,724,719)	\$ 46,144	\$ (1,363,233)	\$ 10,055,527	\$ (1,050,839)	\$ (5,236,244)

- (A) Amounts identified in report filed in Case No. 2015-00368 and Case No. 2016-00289.
- (B) Actual program expenditures, lost revenues (for this period and from prior period DSM measure installations), and shared savings for the period July 1, 2017 through June 30, 2018.
- (C) Allocation of program expenditures to gas and electric in accordance with the Commission's Order in Case No. 2014-00388.
- (D) Recovery allowed in accordance with the Commission's Order in Case No. 2012-00085.
- (E) Recovery allowed in accordance with the Commission's Order in Case No. 2012-00085.
- (F) Revenues collected through the DSM Rider between July 1, 2017 and June 30, 2018.
- (G) Column (5) + Column (9) - Column(11).
- (H) Column (6) + Column (7) + Column (8) + Column (10) - Column(12).
- (I) Revenues and expenses for the Home Energy Assistance Pilot Program.

Commercial Programs	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	Projected Program Costs 7/2017 to 6/2018 (A)	Projected Lost Revenues 7/2017 to 6/2018 (A)	Projected Shared Savings 7/2017 to 6/2018 (A)	Program Expenditures 7/2017 to 6/2018 (B)	Lost Revenues 7/2017 to 6/2018 (B)	Shared Savings 7/2017 to 6/2018 (B)	2017 Reconciliation (C)	Rider Collection (D)	(Over)/Under Collection (E)
Small Business Energy Saver	\$ 1,077,726	\$ 232,139	\$ 127,508	\$ 883,115	\$ 166,751	\$ 111,408			
Smart Saver® Custom	\$ 435,565	\$ 109,614	\$ 64,889	\$ 841,404	\$ 133,475	\$ 291,228			
Smart Saver® Non-Residential Performance Incentive Program	\$ 44,593	\$ 14,276	\$ 6,908	\$ -	\$ -	\$ -			
Smart Saver® Prescriptive - Energy Star Food Service Products	\$ 40,177	\$ 14,711	\$ 7,236	\$ 44,817	\$ 6,995	\$ 5,716			
Smart Saver® Prescriptive - HVAC	\$ 224,262	\$ 27,306	\$ 20,926	\$ 107,753	\$ 10,908	\$ 2,712			
Smart Saver® Prescriptive - IT	\$ 15,537	\$ 5,272	\$ (1,553)	\$ 5,647	\$ 3	\$ (565)			
Smart Saver® Prescriptive - Lighting	\$ 1,223,636	\$ 283,247	\$ 125,607	\$ 2,309,504	\$ 359,979	\$ 552,075			
Smart Saver® Prescriptive - Motors/Pumps/VFD	\$ 30,337	\$ 10,489	\$ 3,034	\$ 38,759	\$ 6,529	\$ 8,629			
Smart Saver® Prescriptive - Process Equipment	\$ 9,832	\$ 2,331	\$ (983)	\$ 5,139	\$ 2,043	\$ (514)			
Power Manager® for Business	\$ 143,872	\$ 6,906	\$ (2,021)	\$ 46,632	\$ 131	\$ (3,224)			
Total	\$ 3,245,539	\$ 706,291	\$ 351,552	\$ 4,282,770	\$ 686,815	\$ 967,465	\$ 5,576,651	\$ 5,490,906	\$ 6,022,795
PowerShare®	\$ 924,919	\$ -	\$ 80,183	\$ 709,527	\$ -	\$ 141,236	\$ 178,273	\$ 463,782	\$ 565,255

- (A) Amounts identified in report filed in Case No. 2015-00368 and Case No. 2016-00289.
- (B) Actual program expenditures, lost revenues (for this period and from prior period DSM measure installations), and shared savings for the period July 1, 2017 through June 30, 2018.
- (C) Recovery allowed in accordance with the Commission's Order in Case No. 2012-00085.
- (D) Revenues collected through the DSM Rider between July 1, 2017 and June 30, 2018.
- (E) Column (4) + Column (5) + Column (6) + Column (7) - Column (8)

2019-2020 Projected Program Costs, Lost Revenues, and Shared Savings

Residential Program Summary (A)

	Residential Program Summary (A)				Allocation of Costs (B)			Budget (Costs, Lost Revenues, & Shared Savings)		
	Costs	Lost Revenues	Shared Savings	Total	Electric	Gas	Electric Costs	Electric	Gas Costs	
Low Income Neighborhood	\$ 371,468	\$ 7,935	\$ (15,844)	\$ 363,559	100.0%	0.0%	\$ 371,468	\$ 363,559	\$ -	
Low Income Services	\$ 810,628	\$ 11,128	\$ (30,069)	\$ 791,688	100.0%	0.0%	\$ 810,628	\$ 791,688	\$ -	
My Home Energy Report	\$ 210,062	\$ 255,115	\$ 27,331	\$ 492,508	100.0%	0.0%	\$ 210,062	\$ 492,508	\$ -	
Residential Energy Assessments	\$ 326,678	\$ 15,180	\$ 7,262	\$ 349,120	100.0%	0.0%	\$ 326,678	\$ 349,120	\$ -	
Residential Smart \$aver®	\$ 2,047,087	\$ 260,010	\$ 243,331	\$ 2,550,429	100.0%	0.0%	\$ 2,047,087	\$ 2,550,429	\$ -	
Power Manager®	\$ 564,560	\$ -	\$ 131,418	\$ 695,978	100.0%	0.0%	\$ 564,560	\$ 695,978	\$ -	
Total Costs, Net Lost Revenues, Shared Savings	\$ 4,330,484	\$ 549,368	\$ 363,430	\$ 5,243,282			\$ 4,330,484	\$ 5,243,282	\$ -	
Home Energy Assistance Pilot Program	\$ 261,425							\$ 151,925	\$ 109,500	

NonResidential Program Summary (A)

	NonResidential Program Summary (A)				Allocation of Costs (B)			Budget (Costs, Lost Revenues, & Shared Savings)		
	Costs	Lost Revenues	Shared Savings	Total	Electric	Gas	Electric Costs	Electric	Gas	
Small Business Energy Saver	\$ 874,529	\$ 36,499	\$ 116,303	\$ 1,027,331	100.0%	0.0%	\$ 874,529	\$ 1,027,331	NA	
Smart \$aver® Custom	\$ 675,415	\$ 36,816	\$ 155,383	\$ 867,615	100.0%	0.0%	\$ 675,415	\$ 867,615	NA	
Smart \$aver® Non-Residential Performance Incentive Program	\$ -	\$ -	\$ -	\$ -	100.0%	0.0%	\$ -	\$ -	NA	
Smart \$aver® Prescriptive (C)	\$ 1,588,696	\$ 58,728	\$ 563,229	\$ 2,210,653	100.0%	0.0%	\$ 1,588,696	\$ 2,210,653	NA	
PowerShare®	\$ 908,290	\$ -	\$ 153,191	\$ 1,061,481	100.0%	0.0%	\$ 908,290	\$ 1,061,481	NA	
Total Costs, Net Lost Revenues, Shared Savings	\$ 4,046,929	\$ 132,044	\$ 988,106	\$ 5,167,079			\$ 4,046,929	\$ 5,167,079	NA	
Total Program	\$ 8,377,413	\$ 681,412	\$ 1,351,536	\$ 10,410,361						

(A) Costs, Lost Revenues (for this period and from prior period DSM measure installations), and Shared Savings for Year 8 of portfolio.

(B) Allocation of program expenditures to 100% electric, see Annual Cost Recovery for Demand Side Management Application

(C) Smart \$aver® Prescriptive consists of the following technologies: Energy Efficient Food Service Projects, HVAC, Lighting, IT, Pumps and Motors, and Process Equipment.

Duke Energy Kentucky
Demand Side Management Cost Recovery Rider (DSMR)
Summary of Calculations for Programs

July 2019 to June 2020

	Program Costs (A)
<u>Electric Rider DSM</u>	
Residential Rate RS	\$ 5,243,282
Distribution Level Rates Part A DS, DP, DT, GS-FL, EH & SP	\$ 4,105,599
Transmission Level Rates & Distribution Level Rates Part B	\$ 1,061,481
<u>Gas Rider DSM</u>	
Residential Rate RS	\$ -

(A) See Appendix B, page 2 of 5.

Duke Energy Kentucky
Demand Side Management Cost Recovery Rider (DSMR)
Summary of Billing Determinants

Year 2019

Projected Annual Electric Sales kWh

Rate RS 1,436,685,800

Rates DS, DP, DT,
GS-FL, EH, & SP 2,333,287,003

Rates DS, DP, DT,
GS-FL, EH, SP, & TT 2,570,138,003

Projected Annual Gas Sales CCF

Rate RS 57,859,338

Duke Energy Kentucky
 Demand Side Management Cost Recovery Rider (DSMR)
 Summary of Calculations

July 2017 to June 2018

Rate Schedule Riders	True-Up Amount (A)	Expected Program Costs (B)	Total DSM Revenue Requirements	Estimated Billing Determinants (C)	DSM Cost Recovery Rider (DSMR)
<u>Electric Rider DSM</u> Residential Rate RS	\$ (5,331,020)	\$ 5,243,282	\$ (87,738)	1,436,685,800 kWh	\$ (0.000061) \$/kWh
Distribution Level Rates Part A DS, DP, DT, GS-FL, EH & SP	\$ 6,131,808	\$ 4,105,599	\$ 10,237,406	2,333,287,003 kWh	\$ 0.004388 \$/kWh
Transmission Level Rates & Distribution Level Rates Part B TT	\$ 575,486	\$ 1,061,481	\$ 1,636,966	2,570,138,003 kWh	\$ 0.000637 \$/kWh
Distribution Level Rates Total DS, DP, DT, GS-FL, EH & SP					\$ 0.005024 \$/kWh
<u>Gas Rider DSM</u> Residential Rate RS	\$ (1,069,860)	\$ -	\$ (1,069,860)	57,859,338 CCF	\$ (0.018491) \$/CCF
Total Rider Recovery			\$ 10,716,775		
Customer Charge for HEA Program <u>Electric No.4</u> Residential Rate RS			Annual Revenues \$ 151,925	Number of Customers 126,604	Monthly Customer Charge \$ 0.10
<u>Gas No. 5</u> Residential Rate RS			\$ 109,500	91,250	\$ 0.10
Total Customer Charge Revenues			\$ 261,425		
Total Recovery			\$ 10,978,200		

(A) (Over)/Under of Appendix B page 1 multiplied by the average three-month commercial paper rate for 2017 to include interest on over or under-recovery in accordance with the Commission's order in Case No. 95-312. Value is:
 (B) Appendix B, page 2.
 (C) Appendix B, page 4.

Allocation Factors
 based on July 2017-
 June 2018

Summary of Load Impacts July 2017 Through June 2018*

Residential Programs	kWh	% of Total Res		ccf	% of Total Res		Elec % of Total Sales	% of Gas % of Total Sales	
		Sales			Sales				
Energy Efficiency Education Program for Schools	361,289	0.0240%		4,214	0.0065%		79%	21%	
Low Income Neighborhood	226,273	0.0150%		-	0.0000%		100%	0%	
Low Income Services	197,878	0.0132%		6,549	0.0102%		56%	44%	
My Home Energy Report	9,221,319	0.6129%		-	0.0000%		100%	0%	
Residential Energy Assessments	294,049	0.0195%		-	0.0000%		100%	0%	
Residential Smart Saver®	4,933,960	0.3280%		-	0.0000%		100%	0%	
Power Manager®	-	0.0000%		-	0.0000%		100%	0%	
Power Manager® for Apartments	-	0.0000%		-	0.0000%		100%	0%	
Total Residential	15,234,768	1.0126%		10,763	0.0167%				
Total Residential (Rate RS) Sales For July 2017 Through June 2018	1,504,451,330	100%		64,504,698	100%				

*Load Impacts Net of Free Riders at Meter

**Duke Energy Kentucky
Case No. 2018-00370
STAFF First Set Data Requests
Date Received: January 4, 2019**

STAFF-DR-01-012 PUBLIC

REQUEST:

Provide the percentage of excess capacity for Duke Kentucky for the years 2016, 2017, and 2018, and the projected percentage of excess capacity for Duke Kentucky for the years 2019, 2020, and 2021.

RESPONSE:

CONFIDENTIAL PROPRIETARY TRADE SECRET (As to Attachment Only)

Please see STAFF-DR-01-012 Confidential Attachment which describes known and projected excess capacity positions for future delivery years as a percentage of the PJM load obligation. Figures highlighted in green represent updates to projected positions based on changes to the anticipated final Equivalent Forced Outage Rate (EForD) and expected qualified Demand Response resources.

PERSON RESPONSIBLE: John A. Verderame

**CONFIDENTIAL PROPRIETARY TRADE
SECRET**

**STAFF-DR-01-012
ATTACHMENT**

FILED UNDER SEAL