

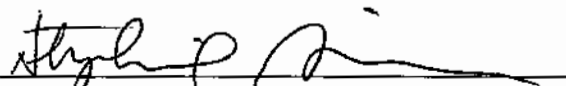
KYPSC CASE NO. 2017-00427
AG POST HEARING SET
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<u>DATA REQUEST</u>	<u>WITNESS</u>	<u>TAB NO.</u>
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VERIFICATION

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 post hearing 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 23RD day of MAY, 2018.

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 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 post hearing 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 29 day of May, 2018.



NOTARY PUBLIC

My Commission Expires:

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

Duke Energy Kentucky
Case No. 2017-00427
Attorney General's Post Hearing Data Requests
Date Received: May 25, 2018

AG-POST HEARING-DR-01-001

REQUEST:

Provide a chart, in native excel format if available, in the same form as Appendix B, page 1 or 2 to the Application in Case No. 2017-00427, for year 2017-2018, using the same fiscal year schedule as Appendix B page 1 and 2.

RESPONSE:

Appendix B, page 2, as filed in Case No. 2016-00382, provides the projected program costs, lost revenues, and shared savings for fiscal year 2017-2018. Please see attachment AG-POST HEARING-DR-01-001, page 2. Actual program costs, lost revenues, and shared savings for the filing period 2017-2018, as are typically shown on page 1 of Appendix B, will be filed in the Company's November 15, 2018 annual DSM filing.

PERSON RESPONSIBLE: Stephanie Simpson

**AG-POST HEARING-DR-
01-001**

**ATTACHMENT
IS BEING PROVIDED
ELECTRONICALLY IN
EXCEL FORMAT
AND A COPY ON CD**

Kentucky DSM Rider

Comparison of Revenue Requirement to Rider Recovery

	(1)	(2)	(3)	(4)	(5)		(7)	(8)	(9) (10)		(11)	(12)	(13)	(14)
	Projected Program Costs 7/2015 to 6/2016 (A)	Projected Lost Revenues 7/2015 to 6/2016 (A)	Projected Shared Savings 7/2015 to 6/2016 (A)	Program Expenditures 7/2015 to 6/2016 (B)	Program Expenditures (C)		Lost Revenues 7/2015 to 6/2016 (B)	Shared Savings 7/2015 to 6/2016 (B)	2015 Reconciliation		Rider Collection (F)		(Over)/Under Collection	
idential Programs					Gas	Electric			Gas (D)	Electric (E)	Gas	Electric	Gas (G)	Electric (H)
Recycling Program	\$ 109,613	\$ 177,379	\$ (204)	\$ 81,598	\$ -	\$ 81,598	\$ 73,948	\$ (529)						
Energy Efficiency Education Program for Schools	\$ 196,981	\$ 40,057	\$ 6,450	\$ 209,468	\$ 51,580	\$ 157,888	\$ 53,588	\$ 10,803						
Income Neighborhood	\$ 276,950	\$ 101,294	\$ 14,464	\$ 257,188	\$ -	\$ 257,188	\$ 63,193	\$ (4,520)						
Income Services	\$ 700,410	\$ 54,818	\$ (8,455)	\$ 589,710	\$ 267,344	\$ 293,368	\$ 45,038	\$ (8,488)						
Home Energy Report	\$ 823,196	\$ 542,633	\$ 94,254	\$ 645,136	\$ -	\$ 645,136	\$ 611,160	\$ 83,083						
Residential Energy Assessments	\$ 231,284	\$ 61,485	\$ 48,815	\$ 191,052	\$ 43,549	\$ 147,503	\$ 58,406	\$ 48,370						
Residential Smart Saver®	\$ 898,852	\$ 1,568,308	\$ 105,011	\$ 1,300,187	\$ 1,094	\$ 1,299,103	\$ 1,850,469	\$ 283,671						
Smart Manager®	\$ 437,786	\$ -	\$ 149,567	\$ 456,430	\$ -	\$ 456,430	\$ -	\$ 142,798						
Home Energy Assistance Pilot Program (I)	\$ 252,238	\$ -	\$ -	\$ 252,238	\$ 121,952	\$ 158,194	\$ -	\$ -			\$ 107,491	\$ 148,249	\$ -	\$ -
Revenues collected except for HEA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			\$ 4,017,128	\$ 8,474,191	\$ -	\$ -
	\$ 3,727,250	\$ 2,545,985	\$ 399,832	\$ 3,991,923	\$ 485,519	\$ 3,506,404	\$ 2,762,800	\$ 585,483	\$ 2,404,858	\$ 5,047,241	\$ 4,124,818	\$ 8,622,440	\$ (1,234,243)	\$ 3,258,498

Amounts identified in report filed in Case No. 2015-00277.

Actual program expenditures, lost revenues (for this period and from prior period DSM measure installations), and shared savings for the period July 1, 2015 through June 30, 2016.

Allocation of program expenditures to gas and electric in accordance with the Commission's Order in Case No. 2014-00388.

Recovery allowed in accordance with the Commission's Order in Case No. 2012-00085.

Recovery allowed in accordance with the Commission's Order in Case No. 2012-00088.

Revenues collected through the DSM Rider between July 1, 2015 and June 30, 2016.

Column (5) + Column (6) - Column (11).

Column (8) + Column (7) + Column (9) + Column (10) - Column (12).

Revenues and expenses for the Home Energy Assistance Pilot Program.

	(1)	(2)	(3)	(4)	(5)		(7)	(8)	(9)
	Projected Program Costs 7/2015 to 6/2016 (A)	Projected Lost Revenues 7/2015 to 6/2016 (A)	Projected Shared Savings 7/2015 to 6/2016 (A)	Program Expenditures 7/2015 to 6/2016 (B)	Lost Revenues 7/2015 to 6/2016 (B)	Shared Savings 7/2015 to 6/2016 (B)	2015 Reconciliation (C)	Rider Collection (D)	(Over)/Under Collection (E)
Commercial Programs									
Smart Saver® Custom	\$ 512,160	\$ 87,430	\$ 81,979	\$ 250,533	\$ 146,358	\$ 77,697			
Smart Saver® Prescriptive - Energy Star Food Service Pro	\$ 57,432	\$ 24,915	\$ 42,139	\$ 22,503	\$ 23,522	\$ 8,616			
Smart Saver® Prescriptive - HVAC	\$ 328,497	\$ 30,015	\$ 108,390	\$ 138,596	\$ 28,238	\$ 18,482			
Smart Saver® Prescriptive - Lighting	\$ 1,053,191	\$ 301,497	\$ 478,195	\$ 823,255	\$ 293,070	\$ 312,080			
Smart Saver® Prescriptive - Motors/Pumps/VFD	\$ 58,722	\$ 23,435	\$ 20,324	\$ 29,516	\$ 19,714	\$ 12,726			
Smart Saver® Prescriptive - Process Equipment	\$ 2,101	\$ 2,202	\$ 1,488	\$ 12,068	\$ 2,879	\$ 6,591			
Smart Saver® Prescriptive - IT	\$ 42,538	\$ 7,070	\$ 28,094	\$ 6,757	\$ 2	\$ (845)			
Smart Business Energy Saver	\$ 757,888	\$ 27,356	\$ 161,704	\$ 1,038,947	\$ 66,436	\$ 326,044			
	\$ 2,810,308	\$ 514,120	\$ 929,354	\$ 2,417,194	\$ 971,417	\$ 764,572	\$ 1,722,888	\$ 4,005,888	\$ 1,470,300
SmartSaver®	\$ 824,747	\$ -	\$ 168,874	\$ 1,047,301	\$ -	\$ 270,224	\$ (1,482,428)	\$ 362,434	\$ (527,336)

Amounts identified in report filed in Case No. 2015-00277.

Actual program expenditures, lost revenues (for this period and from prior period DSM measure installations), and shared savings for the period July 1, 2015 through June 30, 2016.

Recovery allowed in accordance with the Commission's Order in Case No. 2012-00085.

Revenues collected through the DSM Rider between July 1, 2015 and June 30, 2016.

Column (4) + Column (5) + Column (8) + Column (7) - Column (9)

Kentucky DSM Rider

2017-2018 Projected Program Costs, Lost Revenues, and Shared Savings

Residential Program Summary (A)

	Costs	Lost Revenues	Shared Savings	Total	Allocation of Costs (B)		Budget (Costs, Lost Revenues, & Shared Savings)		
					Electric	Gas	Electric Costs	Electric	Gas Costs
Appliance Recycling Program	\$ -	\$ 15,895	\$ -	\$ 15,895	100.0%	0.0%	\$ -	\$ 15,895	\$ -
Energy Efficiency Education Program for Schools	\$ 275,930	\$ 67,148	\$ (495)	\$ 342,584	76.1%	23.9%	\$ 208,689	\$ 276,522	\$ 68,092
Low Income Neighborhood	\$ 308,208	\$ 37,488	\$ (15,051)	\$ 329,642	100.0%	0.0%	\$ 308,208	\$ 328,642	\$ -
Low Income Services	\$ 825,461	\$ 51,805	\$ (46,167)	\$ 831,199	57.3%	42.7%	\$ 529,855	\$ 535,593	\$ 385,606
My Home Energy Report	\$ 798,081	\$ 708,258	\$ 25,078	\$ 1,529,394	100.0%	0.0%	\$ 798,081	\$ 1,529,394	\$ -
Residential Energy Assessments	\$ 276,410	\$ 79,884	\$ 8,280	\$ 364,674	100.0%	0.0%	\$ 276,410	\$ 364,674	\$ -
Residential Smart Saver®	\$ 2,503,271	\$ 1,026,020	\$ 85,588	\$ 3,614,859	100.0%	0.0%	\$ 2,503,271	\$ 3,614,859	\$ -
Power Manager®	\$ 708,822	\$ -	\$ 840,676	\$ 1,547,798	100.0%	0.0%	\$ 708,822	\$ 1,547,798	\$ -
Power Manager® for Apartments	\$ 58,552	\$ -	\$ 5,785	\$ 64,347	100.0%	0.0%	\$ 58,552	\$ 64,347	\$ -
Total Costs, Net Lost Revenues, Shared Savings	\$ 5,850,813	\$ 1,964,494	\$ 903,862	\$ 6,790,189			\$ 5,389,146	\$ 8,277,521	\$ 461,887
Home Energy Assistance Pilot Program	\$ 255,722							\$ 148,230	\$ 107,492

Non-Residential Program Summary (A)

	Costs	Lost Revenues	Shared Savings	Total	Allocation of Costs (B)		Budget (Costs, Lost Revenues, & Shared Savings)		
					Electric	Gas	Electric Costs	Electric	Gas
Small Business Energy Saver	\$ 1,077,726	\$ 232,139	\$ 127,568	\$ 1,437,373	100.0%	0.0%	\$ 1,077,726	\$ 1,437,373	NA
Smart Saver® Custom	\$ 435,565	\$ 108,614	\$ 64,889	\$ 610,068	100.0%	0.0%	\$ 435,565	\$ 610,068	NA
Smart Saver® Non-Residential Performance Incentive Program (C)	\$ 44,583	\$ 14,276	\$ 8,908	\$ 65,777	100.0%	0.0%	\$ 44,583	\$ 65,777	NA
Smart Saver® Prescriptive - Energy Star Food Service Products	\$ 40,177	\$ 14,711	\$ 7,238	\$ 62,124	100.0%	0.0%	\$ 40,177	\$ 62,124	NA
Smart Saver® Prescriptive - HVAC	\$ 224,262	\$ 27,306	\$ 20,928	\$ 272,496	100.0%	0.0%	\$ 224,262	\$ 272,496	NA
Smart Saver® Prescriptive - IT	\$ 15,537	\$ 5,272	\$ (1,851)	\$ 19,258	100.0%	0.0%	\$ 15,537	\$ 19,258	NA
Smart Saver® Prescriptive - Lighting	\$ 1,223,636	\$ 283,247	\$ 125,607	\$ 1,632,490	100.0%	0.0%	\$ 1,223,636	\$ 1,632,490	NA
Smart Saver® Prescriptive - Motors/Pumps/VFD	\$ 30,337	\$ 10,489	\$ 3,034	\$ 43,861	100.0%	0.0%	\$ 30,337	\$ 43,861	NA
Smart Saver® Prescriptive - Process Equipment	\$ 8,832	\$ 2,331	\$ (983)	\$ 11,181	100.0%	0.0%	\$ 8,832	\$ 11,181	NA
Power Manager® for Business	\$ 143,872	\$ 6,608	\$ (2,021)	\$ 148,759	100.0%	0.0%	\$ 143,872	\$ 148,759	NA
PowerShare®	\$ 924,919	\$ -	\$ 80,183	\$ 1,005,102	100.0%	0.0%	\$ 924,919	\$ 1,005,102	NA
Total Costs, Net Lost Revenues, Shared Savings	\$ 4,170,458	\$ 706,291	\$ 431,735	\$ 5,308,484			\$ 4,170,458	\$ 5,308,484	NA
Total Program	\$ 10,021,271	\$ 2,690,784	\$ 1,335,617	\$ 14,047,672					

(A) Costs, Lost Revenues (for this period and from prior period DSM measure installations), and Shared Savings for Year 6 of portfolio.
 (B) Allocation of program expenditures to gas and electric in accordance with the Commission's Order in Case No. 2014-00368.
 (C) Originally filed as "Pay for Performance" in Case No. 2018-00289

Kentucky DSM Rider

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

July 2017 to June 2018

	Program Costs (A)
<u>Electric Rider DSM</u>	
Residential Rate RS	\$ 8,277,521
Distribution Level Rates Part A DS, DP, DT, GS-FL, EH & SP	\$ 4,303,382
Transmission Level Rates & Distribution Level Rates Part B	\$ 1,005,102
<u>Gas Rider DSM</u>	
Residential Rate RS	\$ 461,687

(A) See Appendix B, page 2 of 7.

Kentucky DSM Rider

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

Year	2017
Projected Annual Electric Sales MWH	
Rate RS	1,450,131,074
Rates DS, DP, DT, GG-FL, EH, & SP	2,415,938,109
Rates DS, DP, DT, GG-FL, EH, SP, & TT	2,598,355,109
Projected Annual Gas Sales CCF	
Rate RS	58,813,254

Kentucky DSM Rider

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

July 2016 to June 2017

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	\$ 3,275,795	\$ 8,277,521	\$ 11,553,315	1,450,131,074 kWh	\$ 0.007967 \$/kWh
Distribution Level Rates Part A DS, DP, DT, GS-FL, EH & SP	\$ 1,477,655	\$ 4,300,262	\$ 5,781,036	2,415,938,199 kWh	\$ 0.002393 \$/kWh
Transmission Level Rates A Distribution Level Rates Part B 77	\$ (529,975)	\$ 1,005,102	\$ 475,127	2,598,356,199 kWh	\$ 0.000183 \$/kWh
Distribution Level Rates Total DS, DP, DT, GS-FL, EH & SP					\$ 0.002570 \$/kWh
<u>Gas Rider DSM</u> Residential Rate RS	\$ (1,240,415)	\$ 461,887	\$ (778,747)	58,813,254 CCF	\$ (0.013241) \$/CCF
Total Rider Recovery			\$ 17,030,733		
Customer Charge for HEA Program <u>Electric No. 4</u> Residential Rate RS			Annual Revenues \$ 148,230	Number of Customers 123,525	Monthly Customer Charge \$ 0.10
<u>Gas No. 5</u> Residential Rate RS			\$ 107,482	89,577	\$ 0.10
Total Customer Charge Revenues			\$ 255,722		
Total Recovery			\$ 17,286,455		

(A) (Over)/Under of Appendix B page 1 multiplied by the average three-month commercial paper rate for 2014 to include interest on over or under-recovery in accordance with the Commission's order in Case No. 05-312. Value is:
 (B) Appendix B, page 2.
 (C) Appendix B, page 4.

1.005000

Summary of Load Impacts July 2015 Through June 2016*

Allocation Factors based on July 2015-
 June 2016

Residential Programs	% of Total Res		% of Total Res		Elec % of Total % of Gas % of Total % of	
	kWh	Sales	ccf	Sales	Sales	Sales
Appliance Recycling Program	172,063	0.0124%	-	0.0000%	100%	0%
Energy Efficiency Education Program for Schools	361,870	0.0261%	4,397	0.0089%	75%	25%
Low Income Neighborhood	231,138	0.0167%	-	0.0000%	100%	0%
Low Income Services	244,893	0.0177%	8,303	0.0181%	52%	48%
My Home Energy Report	11,838,346	0.8403%	-	0.0000%	100%	0%
Residential Energy Assessments	429,996	0.0310%	4,721	0.0082%	77%	23%
Residential Smart Savers®	5,494,850	0.3987%	172	0.0003%	100%	0%
Power Manager®	-	0.0000%	-	0.0000%	100%	0%
Total Residential	18,574,317	1.3610%	17,583	0.0342%		
Total Residential (Rate RS) Sales	1,385,150,893	100%	51,514,012	100%		
For July 2015 Through June 2016						

*Load Impacts Net of Free Riders at Meter

Allocation Factors Projected - Revised

Program	Summary of Load Impacts July 2017 Through June 2018 (1)(2)		Allocation Factors Projected - Revised	
	kWh	% of Total Excess Sales	% of Total Excess Sales	% of Total Excess Sales
Residential Programs	-	0.0000%	100%	0%
Appliance Recycling Program	446,195	0.0000%	0.0000%	0%
Energy Efficiency Education Program for Schools	216,107	0.0151%	0.0000%	24%
Low Income Neighborhood	427,877	0.0281%	0.0000%	0%
Low Income Services	13,532,694	0.9327%	0.0217%	43%
My Home Energy Report	430,694	0.0297%	0.0000%	0%
Residential Energy Assessments	6,633,025	0.4571%	0.0000%	0%
Residential Smart Meters	-	0.0000%	0.0000%	0%
Power Meters for Apartments	-	0.0000%	0.0000%	0%
Total Residential	21,693,860	1.4855%	0.0314%	0%
Total Residential (Rate RE) Sales	1,450,131,074	100%	100%	100%
Projected				

(1) Load impacts Net of Free Riders at Meter
 (2) Appliance Recycling Program will continue to collect lost revenues for prior period participation.

Duke Energy Kentucky
Case No. 2017-00427
Attorney General's Post Hearing Data Requests
Date Received: May 25, 2018

AG-POST HEARING-DR-01-002

REQUEST:

Did the PJM DEOK zone separate in the 2018 base residual auction for the 2021-2022 delivery year?

RESPONSE:

No, the DEOK zone cleared at \$140 per MWday in the 2021-2022 delivery year Base Residual Auction (BRA); and was not cleared as a separate Location Delivery Area (LDA). However, another primary Ohio LDA, the ATSI zone, did separate in the 2021-2022 BRA at \$171.33 per MWday. The ATSI zone last separated in the 2015/2016 BRA at a clearing price of \$357 per MWday. Separation of the DEOK zone in future BRAs, and the implications of reduced liquidity in the zone for a Fixed Resource Requirement entity such as Duke Energy Kentucky, remains a risk to be considered.

PERSON RESPONSIBLE: John Verderame