

Appendix A Cost Effectiveness Test Results

Program Name		UCT	TRC	RIM	PCT
Residential Programs					
Energy Efficiency Education Program for Schools	2	0.12	0.12	0.11	9.53
Low Income Neighborhood		0.56	0.56	0.40	2.05
Low Income Services		0.36	0.40	0.28	2.16
My Home Energy Report	3	0.10	0.10	0.09	
Residential Energy Assessments		1.83	1.81	0.74	22.94
Residential Smart \$aver®		3.01	2.69	0.79	5.81
Power Manager®		2.90	4.35	2.90	
Power Manager® for Apartments	1	N/A	N/A	N/A	N/A
Total		2.17	2.26	0.90	5.29
Non-Residential Programs					
Small Business Energy Saver		2.32	1.44	0.86	2.61
Smart \$aver® Custom		5.52	1.73	1.00	2.68
Smart \$aver® Non-Residential Performance Incentive Program	1	N/A	N/A	N/A	N/A
Smart \$aver® Prescriptive - Energy Star Food Service Products		2.62	10.40	2.62	
Smart \$aver® Prescriptive - HVAC		2.57	1.78	1.19	2.02
Smart \$aver® Prescriptive - IT	1	N/A	N/A	N/A	N/A
Smart \$aver® Prescriptive - Lighting		4.89	3.32	1.10	4.88
Smart \$aver® Prescriptive - Motors/Pumps/VFD		2.87	1.88	1.05	2.57
Smart \$aver® Prescriptive - Process Equipment	1	N/A	N/A	N/A	N/A
Power Manager® for Business		2.97	6.83	2.69	
PowerShare®		3.65	7.01	3.65	
Total		4.47	2.22	1.15	3.16
Overall Portfolio Total		3.43	2.23	1.06	3.60

1 - NA is not applicable due to no participation in the program

2 - Represents 5 participants in the fiscal year as the program was closing out. The program has been discontinued.

3 - Reflects 1 month of program restart.

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 7/2018 to 6/2019 (A)	Projected Lost Revenues 7/2018 to 6/2019 (A)	Projected Shared Savings 7/2018 to 6/2019 (A)	Program Expenditures 7/2018 to 6/2019 (B)	Program Expenditures (C) Gas	Electric	Lost Revenues 7/2018 to 6/2019 (B)	Shared Savings 7/2018 to 6/2019 (B)	2018 Gas (D)	Reconciliation Electric (E)	Rider Collection (F) Gas	Electric	(Over)/Under Gas (G)	Collection Electric (H)
Energy Efficiency Education Program for Schools	\$ -	\$ -	\$ -	\$ 5,809	\$ 5,714	\$ 95	\$ -	\$ (544)						
Low Income Neighborhood	\$ 343,237	\$ 243	\$ (15,216)	\$ 234,459	\$ -	\$ 234,459	\$ 459	\$ (10,300)						
Low Income Services	\$ 911,344	\$ 1,157	\$ (51,878)	\$ 458,781	\$ 196,799	\$ 261,983	\$ 154	\$ (19,428)						
My Home Energy Report	\$ -	\$ -	\$ -	\$ 30,463	\$ -	\$ 30,463	\$ 1,777	\$ (2,736)						
Residential Energy Assessments	\$ 300,015	\$ 1,532	\$ 8,033	\$ 185,958	\$ -	\$ 185,958	\$ 1,468	\$ 13,048						
Residential Smart Saver®	\$ 2,323,461	\$ 17,149	\$ 106,686	\$ 1,103,926	\$ -	\$ 1,103,926	\$ 12,934	\$ 222,124						
Power Manager®	\$ 760,837	\$ -	\$ 119,492	\$ 568,954	\$ -	\$ 568,954	\$ -	\$ 108,088						
Power Manager® for Apartments	\$ -	\$ -	\$ -	\$ (7)	\$ -	\$ (7)	\$ -	\$ -						
Home Energy Assistance Pilot Program (I)	\$ 258,401	\$ -	\$ -	\$ 302,017	\$ 126,686	\$ 175,331					\$ 110,443	\$ 152,851		
Revenues collected except for HEA											\$ (2,578,966)	\$ 4,711,948		
Total	\$ 4,897,295	\$ 20,081	\$ 167,118	\$ 2,890,360	\$ 329,199	\$ 2,561,161	\$ 16,792	\$ 310,244	\$ (1,050,839)	\$ (5,236,244)	\$ (2,468,523)	\$ 4,864,800	\$ 1,746,882	\$ (7,212,847)

- (A) Amounts identified in report filed in Case No. 2017-00427
- (B) Actual program expenditures, lost revenues (for this period and from prior period DSM measure installations), and shared savings for the period July 1, 2018 through June 30, 2019.
- (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, 2018 and June 30, 2019.
- (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 7/2018 to 6/2019 (A)	Projected Lost Revenues 7/2018 to 6/2019 (A)	Projected Shared Savings 7/2018 to 6/2019 (A)	Program Expenditures 7/2018 to 6/2019 (B)	Lost Revenues 7/2018 to 6/2019 (B)	Shared Savings 7/2018 to 6/2019 (B)	2018 Reconciliation (C)	Rider Collection (D)	(Over)/Under Collection (E)
Small Business Energy Saver	\$ 909,657	\$ 3,776	\$ 117,551	\$ 436,936	\$ 3,999	\$ 57,362			
Smart Saver® Custom	\$ 1,527,598	\$ 207,789	\$ 402,802	\$ 1,275,217	\$ 11,889	\$ 575,639			
Smart Saver® Non-Residential Performance Incentive Program	\$ 205,022	\$ 2,543	\$ 47,181	\$ 42	\$ -	\$ (4)			
Smart Saver® Prescriptive - Energy Star Food Service Products	\$ 40,898	\$ 241	\$ 8,192	\$ 18,313	\$ 149	\$ 2,899			
Smart Saver® Prescriptive - HVAC	\$ 130,263	\$ 513	\$ 25,382	\$ 70,326	\$ 172	\$ 10,887			
Smart Saver® Prescriptive - IT	\$ 7,997	\$ 0	\$ (800)	\$ 3,830	\$ -	\$ (383)			
Smart Saver® Prescriptive - Lighting	\$ 1,349,145	\$ 7,708	\$ 290,570	\$ 717,012	\$ 5,117	\$ 273,302			
Smart Saver® Prescriptive - Motors/Pumps/VFD	\$ 13,754	\$ 0	\$ (1,287)	\$ 13,720	\$ -	\$ 2,562			
Smart Saver® Prescriptive - Process Equipment	\$ 7,116	\$ 0	\$ (712)	\$ 2,507	\$ -	\$ (251)			
Power Manager® for Business	\$ 180,181	\$ 244	\$ (7,458)	\$ 2,723	\$ -	\$ 536			
Total	\$ 4,371,431	\$ 222,814	\$ 881,422	\$ 2,540,625	\$ 21,326	\$ 922,548	\$ 6,022,795	\$ 9,166,516	\$ 340,779
PowerShare®	\$ 923,717	\$ -	\$ 93,854	\$ 593,292	\$ -	\$ 157,387	\$ 565,255	\$ 1,011,564	\$ 304,370

- (A) Amounts identified in report filed in Case No. 2017-00427
- (B) Actual program expenditures, lost revenues (for this period and from prior period DSM measure installations), and shared savings for the period July 1, 2018 through June 30, 2019.
- (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, 2018 and June 30, 2019.
- (E) Column (4) + Column (5) + Column (6) + Column (7) - Column (8)

Kentucky DSM Rider

2020-2021 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	\$ 306,300	\$ 3,758	\$ (10,254)	\$ 299,805	100.0%	0.0%	\$ 306,300	\$ 299,805	\$ -	
Low Income Services	\$ 450,263	\$ 1,662	\$ (18,999)	\$ 432,926	73.2%	26.8%	\$ 329,629	\$ 312,292	\$ 120,634	
My Home Energy Report	\$ 171,457	\$ 91	\$ 6,071	\$ 177,619	100.0%	0.0%	\$ 171,457	\$ 177,619	\$ -	
Residential Energy Assessments	\$ 251,869	\$ 2,945	\$ 9,982	\$ 264,796	100.0%	0.0%	\$ 251,869	\$ 264,796	\$ -	
Residential Smart \$aver®	\$ 905,354	\$ 10,949	\$ 62,074	\$ 978,377	100.0%	0.0%	\$ 905,354	\$ 978,377	\$ -	
Power Manager®	\$ 585,261	\$ -	\$ 131,900	\$ 717,161	100.0%	0.0%	\$ 585,261	\$ 717,161	\$ -	
Total Costs, Net Lost Revenues, Shared Savings	\$ 2,670,505	\$ 19,405	\$ 180,775	\$ 2,870,684			\$ 2,549,871	\$ 2,750,050	\$ 120,634	
Home Energy Assistance Pilot Program	\$ 263,294							\$ 152,851	\$ 110,443	

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	\$ 763,524	\$ 4,825	\$ 123,224	\$ 891,572	100.0%	0.0%	\$ 763,524	\$ 891,572	NA	
Smart \$aver® Custom	\$ 707,158	\$ 8,176	\$ 241,184	\$ 956,518	100.0%	0.0%	\$ 707,158	\$ 956,518	NA	
Smart \$aver® Prescriptive (C)	\$ 548,785	\$ 6,818	\$ 85,745	\$ 641,348	100.0%	0.0%	\$ 548,785	\$ 641,348	NA	
PowerShare®	\$ 904,512	\$ -	\$ 147,510	\$ 1,052,022	100.0%	0.0%	\$ 904,512	\$ 1,052,022	NA	
Total Costs, Net Lost Revenues, Shared Savings	\$ 2,923,979	\$ 19,819	\$ 597,663	\$ 3,541,461			\$ 2,923,979	\$ 3,541,461	NA	
Total Program	\$ 5,594,484	\$ 39,223	\$ 778,438	\$ 6,412,145						

(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 gas and electric in accordance with the Commission's Order in Case No. 2014-00388.

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

Kentucky DSM Rider

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	\$ 2,750,050
Distribution Level Rates Part A DS, DP, DT, GS-FL, EH & SP	\$ 2,489,439
Transmission Level Rates & Distribution Level Rates Part B	\$ 1,052,022
<u>Gas Rider DSM</u>	
Residential Rate RS	\$ 120,634

(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	2020
Projected Annual Electric Sales KWH	
Rate RS	1,475,582,438
Rates DS, DP, DT, GS-FL, EH, & SP	2,305,428,301
Rates DS, DP, DT, GS-FL, EH, SP, & TT	2,541,311,301
Projected Annual Gas Sales CCF	
Rate RS	62,137,848

Kentucky DSM Rider

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

July 2018 to June 2019

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	\$ (7,387,398)	\$ 2,750,050	\$ (4,637,347)	1,475,582,438 kWh	\$ (0.003143) \$/kWh
Distribution Level Rates Part A DS, DP, DT, GS-FL, EH & SP	\$ 349,026	\$ 2,489,439	\$ 2,838,464	2,305,428,301 kWh	\$ 0.001231 \$/kWh
Transmission Level Rates & Distribution Level Rates Part B TT	\$ 311,735	\$ 1,052,022	\$ 1,363,758	2,541,311,301 kWh	\$ 0.000537 \$/kWh
Distribution Level Rates Total DS, DP, DT, GS-FL, EH & SP					\$ 0.001768 \$/kWh
<u>Gas Rider DSM</u> Residential Rate RS	\$ 1,789,157	\$ 120,634	\$ 1,909,790	62,137,848 CCF	\$ 0.030735 \$/CCF
Total Rider Recovery			\$ 1,474,665		
Customer Charge for HEA Program					
<u>Electric No. 4</u> Residential Rate RS			Annual Revenues \$ 152,851	Number of Customers 127,376	Monthly Customer Charge \$ 0.10
<u>Gas No. 5</u> Residential Rate RS			\$ 110,443	92,036	\$ 0.10
Total Customer Charge Revenues			\$ 263,294		
Total Recovery			\$ 1,737,959		

(A) (Over)/Under of Appendix B page 1 multiplied by the average three-month commercial paper rate for 2018 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 2018-
June 2019

Summary of Load Impacts July 2018 Through June 2019 (1)

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	1,670	0.0001%		4,214	0.0066%		2%	98%
Low Income Neighborhood	227,395	0.0149%		-	0.0000%		100%	0%
Low Income Services	207,830	0.0137%		6,549	0.0103%		57%	43%
My Home Energy Report	38,733	0.0025%		-	0.0000%		100%	0%
Residential Energy Assessments	386,925	0.0254%		-	0.0000%		100%	0%
Residential Smart \$aver®	5,735,203	0.3770%		-	0.0000%		100%	0%
Power Manager®	-	0.0000%		-	0.0000%		100%	0%
Power Manager® for Apartments	-	0.0000%		-	0.0000%		100%	0%
Total Residential	6,597,757	0.4337%		10,763	0.0169%			
Total Residential (Rate RS) Sales For July 2018 Through June 2019	1,521,283,243	100%		63,811,024	100%			

(1) Load Impacts Net of Free Riders at Meter

Summary of Load Impacts July 2020 Through June 2021 (1)

Allocation Factors Projected

	<u>kWh</u>	<u>% of Total Res Sales</u>	<u>ccf</u>	<u>% of Total Res Sales</u>	<u>Elec % of Total Sales</u>	<u>% of Gas</u>	<u>% of Total Sales</u>
Residential Programs							
Low Income Neighborhood	224,406	0.0148%	-	0.0000%	100%		0%
Low Income Services	255,140	0.0168%	3,917	0.0061%	73%		27%
My Home Energy Report	1,534,687	0.1009%	-	0.0000%	100%		0%
Residential Energy Assessments	442,891	0.0291%	-	0.0000%	100%		0%
Residential Smart \$aver®	2,260,897	0.1486%	-	0.0000%	100%		0%
Power Manager®	-	0.0000%	-	0.0000%	100%		0%
Total Residential	4,718,020	0.3101%	3,917	0.0061%			
Total Residential (Rate RS) Sales Projected	1,475,582,438	100%	62,137,848	100%			

(1) Load Impacts Net of Free Riders at Meter

No. 62
Duke Energy Kentucky
~~4580 Olympic Blvd. 1262 Cox Road~~
Revised Sheet No. 62
Erlanger, Kentucky 41018

KY.P.S.C. Gas No. 2
Twenty-~~Sixth~~ Seventh Revised Sheet

Cancels and Supersedes
Twenty-~~Fifth~~ Sixth

Page 1 of 1

RIDER DSMR

DEMAND SIDE MANAGEMENT RATE

The Demand Side Management Rate (DSMR) shall be determined in accordance with the provisions of Rider DSM, Demand Side Management Cost Recovery Rider, Sheet No. 61 of this Tariff.

The DSMR to be applied to residential customer bills is ~~\$(0.012250)~~ 0.030735 per hundred cubic feet. (RI)

A Home Energy Assistance Program (HEA) charge of \$0.10 will be applied monthly to residential customer bills through December 2020.

The DSMR to be applied to non-residential service customer bills is \$0.00 per hundred cubic feet.

Issued by authority of an Order by the Kentucky Public Service
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Issued by Amy B. Spiller, President /s/ Amy B. Spiller

Duke Energy Kentucky
1262 Cox Road
Erlanger, Kentucky 41018

KY.P.S.C. Gas No. 2
Twenty-Seventh Revised Sheet No. 62
Cancels and Supersedes
Twenty-Sixth Revised Sheet No. 62
Page 1 of 1

RIDER DSMR

DEMAND SIDE MANAGEMENT RATE

The Demand Side Management Rate (DSMR) shall be determined in accordance with the provisions of Rider DSM, Demand Side Management Cost Recovery Rider, Sheet No. 61 of this Tariff.

The DSMR to be applied to residential customer bills is \$0.030735 per hundred cubic feet.

(I)

A Home Energy Assistance Program (HEA) charge of \$0.10 will be applied monthly to residential customer bills through December 2020.

The DSMR to be applied to non-residential service customer bills is \$0.00 per hundred cubic feet.

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78
Duke Energy Kentucky
4580 Olympic Blvd. 1262 Cox Road
Revised Sheet No. 78
Erlanger, KY 41018

KY.P.S.C. Electric No. 2
Twenty-Fifth-Sixth Revised Sheet No.

Cancel and Supersedes
Twenty-Fourth—Fifth

Page 1 of 1

RIDER DSMR
DEMAND SIDE MANAGEMENT RATE

The Demand Side Management Rate (DSMR) shall be determined in accordance with the provisions of Rider DSM, Demand Side Management Cost Recovery Rider, Sheet No. 75 of this Tariff.

The DSMR to be applied to residential customer bills is (\$0.~~00342~~003143) per kilowatt-hour. (R)

A Home Energy Assistance Program (HEA) charge of \$0.10 will be applied monthly to residential customer bills through December 2020.

The DSMR to be applied to non-residential distribution service customer bills is \$0.~~005024~~001768 per kilowatt-hour. (R)

The DSMR to be applied for transmission service customer bills is \$0.~~000637~~000537 per kilowatt-hour. (R)

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KY.P.S.C. Electric No. 2
Twenty-Sixth Revised Sheet No. 78
Cancels and Supersedes
Twenty-Fifth Revised Sheet No. 78
Page 1 of 1

RIDER DSMR

DEMAND SIDE MANAGEMENT RATE

The Demand Side Management Rate (DSMR) shall be determined in accordance with the provisions of Rider DSM, Demand Side Management Cost Recovery Rider, Sheet No. 75 of this Tariff.

The DSMR to be applied to residential customer bills is (\$0.003143) per kilowatt-hour. (R)

A Home Energy Assistance Program (HEA) charge of \$0.10 will be applied monthly to residential customer bills through December 2020.

The DSMR to be applied to non-residential distribution service customer bills is \$0.001768 per kilowatt-hour. (R)

The DSMR to be applied for transmission service customer bills is \$0.000537 per kilowatt-hour. (R)

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104
Duke Energy Kentucky, Inc.
~~1262 Cox Road~~4580 Olympic Blvd.
Revised Sheet No. 104
Erlanger, Kentucky 41018

Cancels and Supersedes
~~Second~~Third

RESIDENTIAL SMART \$AVER® ENERGY EFFICIENT RESIDENCES PROGRAM

APPLICABILITY

Applicable to residential customers in new or existing individually-metered residences including single-family detached, condominiums, townhomes, and duplexes served by Duke Energy Kentucky's residential electric rate schedules who choose to participate by submitting, or having their contractor submit, a completed incentive application.

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PURPOSE

The purpose of this program is to encourage the purchase and proper installation of energy conservation measures designed to increase energy efficiency in single family residential dwellings. The primary goal for the program is to provide eligible customers with a broad selection of energy efficiency measures for their homes.

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PROGRAM DESCRIPTION

Incentive payments are available for the purchase and installation of qualifying energy efficient equipment and services including but not limited to:

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- Heating, Ventilating and Air Conditioning (HVAC) equipment system installation, service, and controls including smart thermostats
- HVAC duct improvements
- Thermal building envelop improvements
- Heat Pump Water Heating

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The new HVAC system must have a minimum Seasonal Energy Efficiency Ratio (SEER) and an Energy Efficiency Ratio (EER) to achieve designated energy savings.

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⊕

- The new HVAC system must include a properly matched outdoor unit and inside coil, which must be listed as such by the Air Conditioning, Heating and Refrigeration Institute (AHRI). This listing is available at www.ahridirectory.org.
- Heat pumps may use natural gas or any fuel for supplemental or backup heating.

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Issued by authority of an Order by the Kentucky Public Service
Commission dated February 12, 2016 in Case No. 201519-00277406.

Issued: ~~November 15, 2019~~December 19, 2018
Effective: ~~December 15, 2019~~March 1, 2016
Issued by ~~James P. Henning~~Amy B. Spiller, President /s/
~~James P. Henning~~Amy B. Spiller

104
Duke Energy Kentucky, Inc.
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Revised Sheet No. 104
Erlanger, Kentucky 41018

Cancels and Supersedes
~~Second~~Third

PROGRAM DESCRIPTION (Contd.)

- Smart Thermostats must be purchased, installed and programmed at the time of installation of the qualifying HVAC system by a Duke Energy participating HVAC trade ally, and per program requirements regarding programming, functionality, and square footage of conditioned space. Ⓢ
Ⓢ
Ⓢ
- Heat Pump Water Heaters must be Energy Star certified and exceed minimum Energy Factor rating designated to achieve energy savings. Ⓢ
Ⓢ
- Incentive payments are available to the builder, or the builder's designee, of a new qualifying residential dwelling structure upon installation of qualifying HVAC system and/or Heat Pump Water Heater. Ⓢ
Ⓢ
Ⓢ
- The Company may vary the incentive by type of equipment and differences in efficiency in order to provide the minimum incentive needed to induce customers to purchase higher efficiency equipment. Ⓢ
Ⓢ
Ⓢ
- The Company reserves the right to adjust the incentives on a periodic basis, as appropriate, to reflect changes in efficiency standards, market conditions, and as customers naturally move to purchase higher efficiency equipment. Ⓢ
Ⓢ
Ⓢ
- All Smart \$aver measures must be installed or performed by a Duke Energy Kentucky participating trade ally be eligible. Ⓢ
Ⓢ
- All improvements eligible for payment under this program must be installed based on manufacturer's recommendations and the Company's specifications. Detailed requirements are available on the Company's website at www.duke-energy.com. Ⓢ
Ⓢ
Ⓢ
- To qualify for payment under this program, qualifying measures must be implemented on or after January 1, 2019 and the application for payment must be as noted on the Company's website to achieve desired customer experience. Ⓢ
Ⓢ
Ⓢ

Issued by authority of an Order by the Kentucky Public Service
Commission dated ~~____ February 12, 2016~~ in Case No. ~~201519-00277406~~.

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~~James P. Henning~~Amy B. Spiller

104
Duke Energy Kentucky, Inc.
~~1262 Cox Road~~4580 Olympic Blvd.
Revised Sheet No. 104
Erlanger, Kentucky 41018

PAYMENT

Payment for qualifying HVAC equipment improvements or energy efficient measures will be made to the account owner or property owner in a variety of payment methods including but not limited to rebate check, gift card, prepaid card, and point-of-sale discount. Incentive amounts shall be determined by the Company and will be posted to the website at www.duke-energy.com. The maximum incentive payments available for qualifying equipment and services are as follows:

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- HVAC equipment installations, service, and controls \$525
- Thermal building envelop improvements \$250
- HVAC Duct improvements \$175
- Heat Pump Water Heating installations \$350

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SERVICE REGULATIONS

The provisions contained in this tariff sheet do not supersede or replace any of the charges and terms contained in the standard base rate and rider tariff sheets. The standard base rate and rider charges apply to all customers.

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The supplying of, and billing for, service and all conditions applying thereto, are subject to the jurisdiction of the Kentucky Public Service Commission, and to Company's Service Regulations currently in effect, as filed with the Kentucky Public Service Commission, as approved by law.

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(+)
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Issued by authority of an Order by the Kentucky Public Service Commission dated February 12, 2016 in Case No. 201519-00277406.

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~~James P. Henning~~Amy B. Spiller

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1262 Cox Road
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KY.P.S.C. Electric No. 2
Fourth Revised Sheet No. 104
Cancels and Supersedes
Third Revised Sheet No. 104
Page 1 of 3

RESIDENTIAL SMART \$AVER® ENERGY EFFICIENT RESIDENCES PROGRAM

APPLICABILITY

Applicable to residential customers in new or existing individually-metered residences including single-family detached, condominiums, townhomes, and duplexes served by Duke Energy Kentucky's residential electric rate schedules who choose to participate by submitting, or having their contractor submit, a completed incentive application.

PURPOSE

The purpose of this program is to encourage the purchase and proper installation of energy conservation measures designed to increase energy efficiency in single family residential dwellings. The primary goal for the program is to provide eligible customers with a broad selection of energy efficiency measures for their homes.

PROGRAM DESCRIPTION

Incentive payments are available for the purchase and installation of qualifying energy efficient equipment and services including but not limited to:

- Heating, Ventilating and Air Conditioning (HVAC) equipment system installation, service, and controls including smart thermostats
- HVAC duct improvements
- Thermal building envelop improvements
- Heat Pump Water Heating

The new HVAC system must have a minimum Seasonal Energy Efficiency Ratio (SEER) and an Energy Efficiency Ratio (EER) to achieve designated energy savings.

- The new HVAC system must include a properly matched outdoor unit and inside coil, which must be listed as such by the Air Conditioning, Heating and Refrigeration Institute (AHRI). This listing is available at www.ahridirectory.org.
- Heat pumps may use natural gas or any fuel for supplemental or backup heating.

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Issued: November 15, 2019
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Issued by Amy B. Spiller, President /s/ Amy B. Spiller

Duke Energy Kentucky, Inc.
1262 Cox Road
Erlanger, Kentucky 41018

KY.P.S.C. Electric No. 2
Fourth Revised Sheet No. 104
Cancels and Supersedes
Third Revised Sheet No. 104
Page 2 of 3

PROGRAM DESCRIPTION (Contd.)

- Smart Thermostats must be purchased, installed and programmed at the time of installation of the qualifying HVAC system by a Duke Energy participating HVAC trade ally, and per program requirements regarding programming, functionality, and square footage of conditioned space.
- Heat Pump Water Heaters must be Energy Star certified and exceed minimum Energy Factor rating designated to achieve energy savings.
- Incentive payments are available to the builder, or the builder's designee, of a new qualifying residential dwelling structure upon installation of qualifying HVAC system and/or Heat Pump Water Heater.
- The Company may vary the incentive by type of equipment and differences in efficiency in order to provide the minimum incentive needed to induce customers to purchase higher efficiency equipment.
- The Company reserves the right to adjust the incentives on a periodic basis, as appropriate, to reflect changes in efficiency standards, market conditions, and as customers naturally move to purchase higher efficiency equipment.
- All Smart \$aver measures must be installed or performed by a Duke Energy Kentucky participating trade ally be eligible.
- All improvements eligible for payment under this program must be installed based on manufacturer's recommendations and the Company's specifications. Detailed requirements are available on the Company's website at www.duke-energy.com.
- To qualify for payment under this program, qualifying measures must be implemented on or after January 1, 2019 and the application for payment must be as noted on the Company's website to achieve desired customer experience.

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Duke Energy Kentucky, Inc.
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Erlanger, Kentucky 41018

KY.P.S.C. Electric No. 2
Fourth Revised Sheet No. 104
Cancels and Supersedes
Third Revised Sheet No. 104
Page 3 of 3

PAYMENT

Payment for qualifying HVAC equipment improvements or energy efficient measures will be made to the account owner or property owner in a variety of payment methods including but not limited to rebate check, gift card, prepaid card, and point-of-sale discount. Incentive amounts shall be determined by the Company and will be posted to the website at www.duke-energy.com. The maximum incentive payments available for qualifying equipment and services are as follows:

- HVAC equipment installations, service, and controls \$525
- Thermal building envelop improvements \$250
- HVAC Duct improvements \$175
- Heat Pump Water Heating installations \$350

SERVICE REGULATIONS

The provisions contained in this tariff sheet do not supersede or replace any of the charges and terms contained in the standard base rate and rider tariff sheets. The standard base rate and rider charges apply to all customers.

The supplying of, and billing for, service and all conditions applying thereto, are subject to the jurisdiction of the Kentucky Public Service Commission, and to Company's Service Regulations currently in effect, as filed with the Kentucky Public Service Commission, as approved by law.

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Commission dated _____ in Case No. 2019-00406.

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105
Duke Energy Kentucky, Inc.
~~1262 Cox Road~~~~4580 Olympic Blvd.~~
Sheet No. 105
Erlanger, Kentucky 41018

Cancels and Supersedes
~~First~~~~Original~~

LOW INCOME NEIGHBORHOOD PROGRAM

APPLICABILITY

This program is available only to individually-metered residential customers in neighborhoods selected by the Company, at its sole discretion, which are considered low income based on third party data, which includes income level and household size. Areas targeted for participation in this program will approximately have 50% of the households have income equal to or less than 200% of the federal poverty level established by the U. S. Government.

PROGRAM DESCRIPTION

The Low Income Neighborhood Program is part of Duke Energy Kentucky's portfolio of programs offered through Rider Demand Side Management Program (Rider DSM) and recovered through the Company's Rider DSMR (Demand Side Management Rate). The purpose of this program is to assist low income customers in reducing energy costs through energy education and by installing or providing energy conservation measures for each customer's residence.

Under this program, participating customers will receive the following:

- An energy assessment to identify energy efficiency opportunities in the customer's home;
- One-on-one education on energy efficiency techniques and measures; and
- A comprehensive package of energy conservations measures installed or provided to the extent the measure is identified as an energy efficiency opportunity based on the results of the energy assessment. Energy conservation measures, up to \$210, may include low-cost energy efficiency starter items, such as air infiltration reduction measures, energy efficient lighting, water conservation measures, HVAC filters, or other energy saving devices.

SERVICE REGULATIONS

The provisions contained in this tariff sheet do not supersede or replace any of the charges and terms contained in the standard base rate and rider tariff sheets. The standard base rate and rider charges apply to all customers.

The supplying of, and billing for, service and all conditions applying thereto, are subject to the jurisdiction of the Kentucky Public Service Commission, and to Company's Service Regulations currently in effect, as filed with the Kentucky Public Service Commission, as approved by law.

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Commission dated ~~September 13, 2018~~ in Case No. 20179-0042706.

Issued: November 15~~6~~, 2018~~9~~

Effective: ~~December 15, 2019~~~~October 1, 2018~~

Issued by Amy B. Spiller, President /s/ Amy B. Spiller

Duke Energy Kentucky, Inc.
1262 Cox Road
Erlanger, Kentucky 41018

KY.P.S.C. Electric No. 2
Second Revised Sheet No. 105
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First Sheet No. 105
Page 1 of 1

LOW INCOME NEIGHBORHOOD PROGRAM

APPLICABILITY

This program is available only to individually-metered residential customers in neighborhoods selected by the Company, at its sole discretion, which are considered low income based on third party data, which includes income level and household size. Areas targeted for participation in this program will approximately have 50% of the households have income equal to or less than 200% of the federal poverty level established by the U. S. Government.

PROGRAM DESCRIPTION

The Low Income Neighborhood Program is part of Duke Energy Kentucky's portfolio of programs offered through Rider Demand Side Management Program (Rider DSM) and recovered through the Company's Rider DSMR (Demand Side Management Rate). The purpose of this program is to assist low income customers in reducing energy costs through energy education and by installing or providing energy conservation measures for each customer's residence.

Under this program, participating customers will receive the following:

- An energy assessment to identify energy efficiency opportunities in the customer's home;
- One-on-one education on energy efficiency techniques and measures; and
- A comprehensive package of energy conservations measures installed or provided to the extent the measure is identified as an energy efficiency opportunity based on the results of the energy assessment. Energy conservation measures, up to \$210, may include low-cost energy efficiency starter items, such as air infiltration reduction measures, energy efficient lighting, water conservation measures, HVAC filters, or other energy saving devices.

SERVICE REGULATIONS

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Duke Energy Kentucky, Inc.
~~1262 Cox Road~~
~~Olympic Blvd.~~

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No. 106 Cancels and
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~~Second~~~~First~~ Revised Sheet

LOW INCOME SERVICES PROGRAM

APPLICABILITY

Available to low income residential customers in the Company's electric service area.

PROGRAM DESCRIPTION

The Low Income Services Program is part of Duke Energy Kentucky's portfolio of programs offered through Rider Demand Side Management Program (Rider DSM) and recovered through the Company's Rider DSMR (Demand Side Management Rate). The purpose of this program is to assist low income customers with installation of energy efficiency measures in their home to reduce energy usage. Eligible customers must have income to or less than 200% of the federal poverty level established by the U.S. Government.

Weatherization and equipment replacement assistance is available to income qualified customers on Duke Energy Kentucky's system in existing, individually metered, residences, condominiums, and mobile homes.

- Funds are available for (i.) weatherization measures, and/or (ii.) refrigerator replacement with an Energy Star appliance, and/or (iii.) furnace repair/replacement. The measures eligible for funding will be determined by an energy audit of the residence.
- A home energy audit will be provided at no charge to the customer.
- Availability of this program will be coordinated through vendors or local agencies that administer weatherization programs. The vendor or agency must certify the household income level according to Duke Energy standards.

Payment Plus provides energy efficiency and budget counseling to help customers understand how to control their energy usage and how to manage their household bills. Participants are also encouraged to participate in weatherization and equipment replacement assistance to increase the energy efficiency in customers' homes. Bill assistance credits are provided to customers upon completion of each component of Payment Plus.

Participants are not eligible for payments under any other Duke Energy Kentucky Energy Efficiency Programs for the same energy efficiency measure provided under this program.

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Duke Energy Kentucky, Inc.
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~~Olympic Blvd.~~

KY.P.S.C. Electric No. 2
~~Third~~~~Second~~ Revised Sheet
No. 106 Cancels and
Supersedes
~~Second~~~~First~~ Revised Sheet

PAYMENT

Participants in the weatherization and equipment replacement assistance provision of this program may receive assistance with energy efficiency measures as shown below. Payments will be made to the administering agency on behalf of the customer.

1. Weatherization Tier 1. Homes with energy usage up to 7 kWh or 1 therm per square foot of conditioned space can receive up to \$600 for weatherization measures.
2. Weatherization Tier 2. Homes with energy usage more than 7 kWh or 1 therm per square foot of conditioned space can receive assistance of up to \$4,000 for weatherization measures.
3. Equipment Replacement
 - a) Refrigerator replacement cost
 - b) Furnace replacement cost

To provide an incentive for customers to enroll in Payment Plus, bill assistance is available to help customers gain control of their bills. The credits¹ are as follows:

1. \$200 for participating in the EE counseling.
2. \$150 for participating in the budgeting counseling.
3. \$150 for participating in the Residential Conservation and Energy Education program if enrolled in Payment Plus.

SERVICE REGULATIONS

The provisions contained in this tariff sheet do not supersede or replace any of the charges and terms contained in the standard base rate and rider tariff sheets. The standard base rate and rider charges apply to all customers.

The supplying of, and billing for, service and all conditions applying thereto, are subject to the jurisdiction of the Kentucky Public Service Commission, and to Company's Service Regulations currently in effect, as filed with the Kentucky Public Service Commission, as approved by law.

¹ This is a one-time credit.

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1262 Cox Road
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106

LOW INCOME SERVICES PROGRAM

APPLICABILITY

Available to low income residential customers in the Company's electric service area.

PROGRAM DESCRIPTION

The Low Income Services Program is part of Duke Energy Kentucky's portfolio of programs offered through Rider Demand Side Management Program (Rider DSM) and recovered through the Company's Rider DSMR (Demand Side Management Rate). The purpose of this program is to assist low income customers with installation of energy efficiency measures in their home to reduce energy usage. Eligible customers must have income to or less than 200% of the federal poverty level established by the U.S. Government.

Weatherization and equipment replacement assistance is available to income qualified customers on Duke Energy Kentucky's system in existing, individually metered, residences, condominiums, and mobile homes.

- Funds are available for (i.) weatherization measures, and/or (ii.) refrigerator replacement with an Energy Star appliance, and/or (iii.) furnace repair/replacement. The measures eligible for funding will be determined by an energy audit of the residence.
- A home energy audit will be provided at no charge to the customer.
- Availability of this program will be coordinated through vendors or local agencies that administer weatherization programs. The vendor or agency must certify the household income level according to Duke Energy standards.

Payment Plus provides energy efficiency and budget counseling to help customers understand how to control their energy usage and how to manage their household bills. Participants are also encouraged to participate in weatherization and equipment replacement assistance to increase the energy efficiency in customers' homes. Bill assistance credits are provided to customers upon completion of each component of Payment Plus.

Participants are not eligible for payments under any other Duke Energy Kentucky Energy Efficiency Programs for the same energy efficiency measure provided under this program.

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Duke Energy Kentucky, Inc.
1262 Cox Road
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Third Revised Sheet No. 106
Cancels and Supersedes
Second Revised Sheet No.
106

PAYMENT

Participants in the weatherization and equipment replacement assistance provision of this program may receive assistance with energy efficiency measures as shown below. Payments will be made to the administering agency on behalf of the customer.

1. Weatherization Tier 1. Homes with energy usage up to 7 kWh or 1 therm per square foot of conditioned space can receive up to \$600 for weatherization measures.
2. Weatherization Tier 2. Homes with energy usage more than 7 kWh or 1 therm per square foot of conditioned space can receive assistance of up to \$4,000 for weatherization measures.
3. Equipment Replacement
 - a) Refrigerator replacement cost
 - b) Furnace replacement cost

To provide an incentive for customers to enroll in Payment Plus, bill assistance is available to help customers gain control of their bills. The credits¹ are as follows:

1. \$200 for participating in the EE counseling.
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3. \$150 for participating in the Residential Conservation and Energy Education program if enrolled in Payment Plus.

SERVICE REGULATIONS

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¹ This is a one-time credit.

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Duke Energy Kentucky, Inc.
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Erlanger, Kentucky 41018

KY.P.S.C. Electric No. 2
~~Fourth~~~~Third~~ Revised Sheet No. 107
Cancels and Supersedes
~~Third~~~~Second~~ Sheet No. 107
Page 1 of 1

MY HOME ENERGY REPORT PROGRAM

APPLICABILITY

Applicable to residential customers in the Company's electric service area with individually-metered, single-family residences and multifamily dwellings receiving concurrent service from the Company.

PROGRAM DESCRIPTION

The My Home Energy Report is part of Duke Energy Kentucky's portfolio of programs offered through Rider Demand Side Management Program (Rider DSM) and recovered through the Company's Rider DSMR (Demand Side Management Rate). The purpose of this voluntary opt-in program is to use comparative household electric usage data for similar residences in the same geographic area to help customers to better manage and reduce energy usage. These normative comparisons are intended to induce an energy consumption behavior change. The program will assist residential customers in assessing their energy usage and provide recommendations for more efficient use of energy in their homes. The program will help identify those customers who could benefit most from investing in new energy efficiency measures, undertaking more energy efficient practices and participating in Duke Energy Kentucky programs.

- Customers will receive periodic comparative usage data reports via direct mail and/or online channels. Delivery may be interrupted during the off-peak energy usage months in the fall and spring.
- The Company may require a minimum number of months of historical usage data before allowing participation.

Customers can opt out of receiving the report at any time by contacting Duke Energy Kentucky.

SERVICE REGULATIONS

The provisions contained in this tariff sheet do not supersede or replace any of the charges and terms contained in the standard base rate and rider tariff sheets. The standard base rate and rider charges apply to all customers.

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Duke Energy Kentucky, Inc.
1262 Cox Road
Erlanger, Kentucky 41018

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Fourth Revised Sheet No. 107
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Third Sheet No. 107
Page 1 of 1

MY HOME ENERGY REPORT PROGRAM

APPLICABILITY

Applicable to residential customers in the Company's electric service area with individually-metered, single-family residences and multifamily dwellings receiving concurrent service from the Company.

PROGRAM DESCRIPTION

The My Home Energy Report is part of Duke Energy Kentucky's portfolio of programs offered through Rider Demand Side Management Program (Rider DSM) and recovered through the Company's Rider DSMR (Demand Side Management Rate). The purpose of this voluntary opt-in program is to use comparative household electric usage data for similar residences in the same geographic area to help customers to better manage and reduce energy usage. These normative comparisons are intended to induce an energy consumption behavior change. The program will assist residential customers in assessing their energy usage and provide recommendations for more efficient use of energy in their homes. The program will help identify those customers who could benefit most from investing in new energy efficiency measures, undertaking more energy efficient practices and participating in Duke Energy Kentucky programs.

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- The Company may require a minimum number of months of historical usage data before allowing participation.

Customers can opt out of receiving the report at any time by contacting Duke Energy Kentucky.

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108
Duke Energy Kentucky, Inc.
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Erlanger, Kentucky 41018

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~~Third~~~~Second~~ Revised Sheet No.
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~~Second~~~~First~~ Revised Sheet No. 108
Page 1 of 2

RESIDENTIAL DIRECT LOAD CONTROL - POWER MANAGER PROGRAM

APPLICABILITY

Applicable to residential customers in the Company's electric service area with individually-metered, single-family residences receiving concurrent service from the Company.

This program is available on a voluntary basis, at the Company's option, in areas where the Company operates applicable load control devices.

This program is available for the cycling control of electric central air conditioning (cooling) systems where the following requirements are met:

1. The Customer must agree to enroll all operable central air conditioning units installed in the residence.
2. The Company shall have the right to require satisfactory permission for the installation and operation of load control devices on customer equipment upon entering a program enrollment agreement with the Customer.
3. Neither the Customer nor his agent shall disconnect or otherwise interfere with the Company's equipment required to cycle the Customer's appliance except for the replacement of or service to the appliance.
4. The Customer shall immediately notify the Company of the removal of, disconnection of or damage to the load control device.

PROGRAM OPTIONS

Customers may elect to enroll in Power Manager by choosing among program options offered by the Company.

The Company will establish bill credit incentives based on the program chosen by the Customer in the program enrollment agreement. Bill credit incentives will be presented to the customer in the program enrollment agreement.

INTERRUPTION PERIODS

The Company shall have the right to intermittently interrupt (cycle) service to the Customer's central electric air conditioning (cooling) systems during non-holiday weekday peak load and/or high price periods for economic purposes as determined by the Company. The Company will limit the number of these cycling events to no more than 10 during the cooling season from May through October. The duration of each event will not exceed 12 hours and will be restricted to occur between the hours of 6 AM to 11 PM Eastern Daylight Time (EDT).

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Issued by Amy B. Spiller, President /s/ Amy B. Spiller

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108

Duke Energy Kentucky, Inc.
~~1262 Cox Road~~~~4580 Olympic Blvd.~~
Erlanger, Kentucky 41018

Cancels and Supersedes
~~Second~~~~First~~ Revised Sheet No. 108
Page 2 of 2

INTERRUPTION PERIODS (Contd.)

In addition, the Company shall have the right to intermittently interrupt (cycle) service to the Customer's central air conditioning (cooling) systems at any time during the cooling season from May through October in which the Company experiences emergency conditions such as capacity problems related to the generation, transmission and delivery of electricity, or as directed by the regional transmission operator. The number of cycling events for emergency conditions is independent of the implementation of the program for economic conditions as described above.

The Company, at its sole discretion, may limit requests for curtailment to geographic regions.

The Company reserves the right to test the function of the load control provisions at any time.

SERVICE REGULATIONS

The provisions contained in this tariff sheet do not supersede or replace any of the charges and terms contained in the standard base rate and rider tariff sheets. The standard base rate and rider charges apply to all customers.

The supplying of, and billing for, service and all conditions applying thereto, are subject to the jurisdiction of the Kentucky Public Service Commission, and to Company's Service Regulations currently in effect, as filed with the Kentucky Public Service Commission, as approved by law.

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Duke Energy Kentucky, Inc.
1262 Cox Road
Erlanger, Kentucky 41018

KY.P.S.C. Electric No. 2
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Second Revised Sheet No. 108
Page 1 of 2

RESIDENTIAL DIRECT LOAD CONTROL - POWER MANAGER PROGRAM

APPLICABILITY

Applicable to residential customers in the Company's electric service area with individually-metered, single-family residences receiving concurrent service from the Company.

This program is available on a voluntary basis, at the Company's option, in areas where the Company operates applicable load control devices.

This program is available for the cycling control of electric central air conditioning (cooling) systems where the following requirements are met:

1. The Customer must agree to enroll all operable central air conditioning units installed in the residence.
2. The Company shall have the right to require satisfactory permission for the installation and operation of load control devices on customer equipment upon entering a program enrollment agreement with the Customer.
3. Neither the Customer nor his agent shall disconnect or otherwise interfere with the Company's equipment required to cycle the Customer's appliance except for the replacement of or service to the appliance.
4. The Customer shall immediately notify the Company of the removal of, disconnection of or damage to the load control device.

PROGRAM OPTIONS

Customers may elect to enroll in Power Manager by choosing among program options offered by the Company.

The Company will establish bill credit incentives based on the program chosen by the Customer in the program enrollment agreement. Bill credit incentives will be presented to the customer in the program enrollment agreement.

INTERRUPTION PERIODS

The Company shall have the right to intermittently interrupt (cycle) service to the Customer's central electric air conditioning (cooling) systems during non-holiday weekday peak load and/or high price periods for economic purposes as determined by the Company. The Company will limit the number of these cycling events to no more than 10 during the cooling season from May through October. The duration of each event will not exceed 12 hours and will be restricted to occur between the hours of 6 AM to 11 PM Eastern Daylight Time (EDT).

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Duke Energy Kentucky, Inc.
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Erlanger, Kentucky 41018

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Third Revised Sheet No. 108
Cancels and Supersedes
Second Revised Sheet No. 108
Page 2 of 2

INTERRUPTION PERIODS (Contd.)

In addition, the Company shall have the right to intermittently interrupt (cycle) service to the Customer's central air conditioning (cooling) systems at any time during the cooling season from May through October in which the Company experiences emergency conditions such as capacity problems related to the generation, transmission and delivery of electricity, or as directed by the regional transmission operator. The number of cycling events for emergency conditions is independent of the implementation of the program for economic conditions as described above.

The Company, at its sole discretion, may limit requests for curtailment to geographic regions.

The Company reserves the right to test the function of the load control provisions at any time.

SERVICE REGULATIONS

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109
Duke Energy Kentucky, Inc.
~~1262 Cox Road~~~~4580 Olympic Blvd.~~
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Erlanger, Kentucky 41018

Cancels and Supersedes
~~Second~~~~First~~

Page 1 of 1

RESIDENTIAL ENERGY ASSESSMENT PROGRAM

APPLICABILITY

Available to residential customers in the Company's electric service area with individually-metered, single-family residences receiving concurrent service from the Company and choose to participate by enrolling through the marketing channels utilized by the program.

PROGRAM DESCRIPTION

The Residential Energy Assessment Program (REA) is part of Duke Energy Kentucky's portfolio of programs offered through Rider Demand Side Management Program (Rider DSM) and recovered through the Company's Rider DSMR (Demand Side Management Rate). The purpose of this program is to assist residential customers in assessing their energy usage and to provide recommendations for more efficient use of energy in their homes. The program will also help identify those customers who could benefit most by investing in new energy efficiency measures, undertaking more energy efficient practices and participating in Duke Energy Kentucky programs.

The Company may require a minimum number of months of historical usage data before performing an analysis to customers as follows:

On-site Audit and Analysis

Duke Energy Kentucky will perform on-site assessments of owner-occupied residences. Duke Energy Kentucky reserves the right to determine eligibility throughout the life of the program. Duke Energy Kentucky will provide a detailed Residential Energy Assessment including energy efficiency recommendations.

Participating customers will be offered an energy efficiency starter kit which includes energy efficient measures to include but not limited to high efficiency water and lighting measures.



SERVICE REGULATIONS

The provisions contained in this tariff sheet do not supersede or replace any of the charges and terms contained in the standard base rate and rider tariff sheets. The standard base rate and rider charges apply to all customers.

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Commission dated February 12, 2016 in Case No. 20159-00277406.

Issued: ~~November 15, 2019~~~~December 19, 2018~~
Effective: ~~December 15, 2019~~~~March 1, 2016~~
Issued by ~~Amy B. Spiller~~~~James P. Henning~~, President /s/ ~~Amy~~
~~B. Spiller~~~~James P. Henning~~

Duke Energy Kentucky, Inc.
1262 Cox Road
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Second Revised Sheet No. 109
Page 1 of 1

RESIDENTIAL ENERGY ASSESSMENT PROGRAM

APPLICABILITY

Available to residential customers in the Company's electric service area with individually-metered, single-family residences receiving concurrent service from the Company and choose to participate by enrolling through the marketing channels utilized by the program.

PROGRAM DESCRIPTION

The Residential Energy Assessment Program (REA) is part of Duke Energy Kentucky's portfolio of programs offered through Rider Demand Side Management Program (Rider DSM) and recovered through the Company's Rider DSMR (Demand Side Management Rate). The purpose of this program is to assist residential customers in assessing their energy usage and to provide recommendations for more efficient use of energy in their homes. The program will also help identify those customers who could benefit most by investing in new energy efficiency measures, undertaking more energy efficient practices and participating in Duke Energy Kentucky programs.

The Company may require a minimum number of months of historical usage data before performing an analysis to customers as follows:

On-site Audit and Analysis

Duke Energy Kentucky will perform on-site assessments of owner-occupied residences. Duke Energy Kentucky reserves the right to determine eligibility throughout the life of the program. Duke Energy Kentucky will provide a detailed Residential Energy Assessment including energy efficiency recommendations.

Participating customers will be offered an energy efficiency starter kit which includes energy efficient measures to include but not limited to high efficiency water and lighting measures.

SERVICE REGULATIONS

The provisions contained in this tariff sheet do not supersede or replace any of the charges and terms contained in the standard base rate and rider tariff sheets. The standard base rate and rider charges apply to all customers.

The supplying of, and billing for, service and all conditions applying thereto, are subject to the jurisdiction of the Kentucky Public Service Commission, and to Company's Service Regulations currently in effect, as filed with the Kentucky Public Service Commission, as approved by law.

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Commission dated _____ in Case No. 2019-00406.

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Issued by Amy B. Spiller, President /s/ Amy B. Spiller

110
Duke Energy Kentucky, Inc.
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Revised Sheet No. 110
Erlanger, Kentucky 41018

Cancels and Supersedes
~~Second~~ Third

Page 1 of 2

RESIDENTIAL SMART \$AVER® ENERGY EFFICIENT PRODUCTS PROGRAM

APPLICABILITY

Available to residential customers in the Company's electric service area who choose to participate by enrolling through the marketing channels utilized by the program.

PROGRAM DESCRIPTION

The Residential Smart \$aver Energy Efficient Products Program is part of Duke Energy Kentucky's portfolio of programs offered through Rider Demand Side Management Program (Rider DSM) and recovered through the Company's Rider DSMR (Demand Side Management Rate). The purpose of this voluntary program is to encourage the installation of ENERGY STAR or other high efficiency products in new or existing residences. The program will provide incentives to offset a portion of the higher cost of higher efficiency products for single family and multi-family residences.

The types of equipment eligible for incentives may include but are not limited to the following:

- High efficiency lighting
- High efficiency pool pumps
- High efficiency water measures for single family residences (such as but not limited to faucet aerators, low flow showerheads and pipe wrap)
- High efficiency water measures for multifamily residences (such as but not limited to faucet aerators, low flow showerheads and pipe wrap)
- Other high efficiency equipment as determined by the Company on a case by case basis, but not including water heaters, heating or cooling systems.
- Incentives may be offered in a variety of ways including, but not limited to, discount coupons, in-store promotions, on-line discounted purchases, etc.
- The Company's incentive will be an amount up to 50% of the installed cost difference between standard equipment and higher efficiency equipment; however, the incentives for high efficiency lighting and water measures may be higher than 50%.
- Incentives under this program are only available for ENERGY STAR or other energy efficiency products for which incentives pass the Company's Utility Cost Test (UCT).
- The Company may vary the incentive by type of equipment and differences in efficiency in order to provide the minimum incentive needed to drive customers to purchase higher efficiency equipment.
- For High Efficiency Pool Pumps, eligible customers will receive a maximum customer incentive of up to \$400 for the purchase, professional installation and programming of a variable speed pump. Approved contractors will be eligible to receive a \$50 dealer incentive. The total incentive provided to either or both the customer and dealer is not to exceed \$450 per installation.

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110
Duke Energy Kentucky, Inc.
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Revised Sheet No. 110
Erlanger, Kentucky 41018

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~~Second~~ Third

Page 2 of 2

PROGRAM DESCRIPTION (Contd.)

- The Company reserves the right to adjust the incentive, for specific equipment, on a periodic basis, as equipment efficiency standards change, and as customers naturally moves to purchase higher efficiency equipment.
- The amount of the incentive payment for various standard types of equipment will be filed with the Commission, for information, and posted to the Company's website at www.duke-energy.com.
- The Company will not provide incentivized LED bulbs to customers who have met the maximum LED Bulb criteria. (T)

Incentives may be limited to one of any product, per residence, under all Duke Energy Kentucky's Energy Efficiency Programs.

SERVICE REGULATIONS

The provisions contained in this tariff sheet do not supersede or replace any of the charges and terms contained in the standard base rate and rider tariff sheets. The standard base rate and rider charges apply to all customers.

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KY.P.S.C. Electric No. 2
Fourth Revised Sheet No. 110
Cancels and Supersedes
Third Revised Sheet No. 110
Page 1 of 2

RESIDENTIAL SMART \$AVER® ENERGY EFFICIENT PRODUCTS PROGRAM

APPLICABILITY

Available to residential customers in the Company's electric service area who choose to participate by enrolling through the marketing channels utilized by the program.

PROGRAM DESCRIPTION

The Residential Smart \$aver Energy Efficient Products Program is part of Duke Energy Kentucky's portfolio of programs offered through Rider Demand Side Management Program (Rider DSM) and recovered through the Company's Rider DSMR (Demand Side Management Rate). The purpose of this voluntary program is to encourage the installation of ENERGY STAR or other high efficiency products in new or existing residences. The program will provide incentives to offset a portion of the higher cost of higher efficiency products for single family and multi-family residences.

The types of equipment eligible for incentives may include but are not limited to the following:

- High efficiency lighting
- High efficiency pool pumps
- High efficiency water measures for single family residences (such as but not limited to faucet aerators, low flow showerheads and pipe wrap)
- High efficiency water measures for multifamily residences (such as but not limited to faucet aerators, low flow showerheads and pipe wrap)
- Other high efficiency equipment as determined by the Company on a case by case basis, but not including water heaters, heating or cooling systems.
- Incentives may be offered in a variety of ways including, but not limited to, discount coupons, in-store promotions, on-line discounted purchases, etc.
- The Company's incentive will be an amount up to 50% of the installed cost difference between standard equipment and higher efficiency equipment; however, the incentives for high efficiency lighting and water measures may be higher than 50%.
- Incentives under this program are only available for ENERGY STAR or other energy efficiency products for which incentives pass the Company's Utility Cost Test (UCT).
- The Company may vary the incentive by type of equipment and differences in efficiency in order to provide the minimum incentive needed to drive customers to purchase higher efficiency equipment.
- For High Efficiency Pool Pumps, eligible customers will receive a maximum customer incentive of up to \$400 for the purchase, professional installation and programming of a variable speed pump. Approved contractors will be eligible to receive a \$50 dealer incentive. The total incentive provided to either or both the customer and dealer is not to exceed \$450 per installation.

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Fourth Revised Sheet No. 110
Cancels and Supersedes
Third Revised Sheet No. 110
Page 2 of 2

PROGRAM DESCRIPTION (Contd.)

- The Company reserves the right to adjust the incentive, for specific equipment, on a periodic basis, as equipment efficiency standards change, and as customers naturally moves to purchase higher efficiency equipment.
- The amount of the incentive payment for various standard types of equipment will be filed with the Commission, for information, and posted to the Company's website at www.duke-energy.com.
- The Company will not provide incentivized LED bulbs to customers who have met the maximum LED Bulb criteria.

Incentives may be limited to one of any product, per residence, under all Duke Energy Kentucky's Energy Efficiency Programs.

SERVICE REGULATIONS

The provisions contained in this tariff sheet do not supersede or replace any of the charges and terms contained in the standard base rate and rider tariff sheets. The standard base rate and rider charges apply to all customers.

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Duke Energy Kentucky, Inc.
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KY.P.S.C. Electric No. 2
~~Fourth~~~~Third~~ Revised Sheet No.

Cancels and Supersedes
~~Third~~~~Second~~

Page 1 of 2

SMART \$AVER® CUSTOM PROGRAM

APPLICABILITY

Available to non-residential customers in the Company's electric service area taking service under all non-residential rates who choose to participate by completing and submitting an application before initiating an energy efficiency project.

PROGRAM DESCRIPTION

The Smart \$aver Custom Program is part of Duke Energy Kentucky's portfolio of programs offered through Rider Demand Side Management Program (Rider DSM) and recovered through the Company's Rider DSMR (Demand Side Management Rate). The purpose of this program is to encourage the installation of high efficiency equipment in new and existing nonresidential establishments. The program will provide incentive payments to offset a portion of the higher cost of energy efficient installations that are not included in the Smart \$aver® Prescriptive program. As part of the Smart \$aver Custom program, customers may be eligible for an audit assessing their energy usage and to provide recommendations for more efficient use of energy. The program will also help identify those customers who could benefit from the Smart Saver® Custom program.

Payments are available for a percentage of the incremental cost difference between a standard efficiency installation and a high efficiency installation. For most retrofit projects, incremental costs are equal to project costs. For new construction or major renovation, incremental costs are the difference between the cost of a standard efficiency installation and the cost of a high efficiency installation. The Company may vary the percentage incentive based on project conditions, including differences in efficiency, in order to provide the minimum incentive needed to drive customers to purchase higher efficiency equipment. The Company reserves the right to adjust the incentives and efficiency baselines, for specific equipment on a periodic basis, as equipment efficiency standards change and as customers naturally move to purchase higher efficiency equipment.

The following types of equipment are eligible for incentives:

- High efficiency lighting
- High efficiency HVAC installations
- High efficiency motors, pumps, and variable frequency drives
- High efficiency food service installations
- High efficiency process equipment installations, including compressed air systems
- Other high efficiency installations as determined by the Company on a case by case basis.

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Erlanger, Kentucky 41018

Cancels and Supersedes
~~Third~~~~Second~~

Page 2 of 2

PROGRAM DESCRIPTION (Contd.)

The Smart \$aver Custom Program utilizes a reservation system for incentive payments beginning in the fiscal year of July 1, 2018 – June 30, 2019. Incentive funding for the program is limited and will only be available to pre-approved qualifying projects in the order offer letters are delivered.

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In order to receive payment under this program, the customer must submit an application before making a decision to implement the project. After completing the project, the customer submits documentation and verification that the installed efficiency measures meet the originally approved application. The Company reserves the right to inspect the premises of the customer both before and after implementation of the measure for which payment is requested. Payments will be made only after the equipment has been installed and is operable.

Multiple incentive payments may be requested for each establishment; however, the Company reserves the right to limit the payments per establishment per year.

The payment to the customer or owner will be an amount up to 75% of the project incremental cost. With Company approval, the customer or owner may designate that payment be made to the vendor or other third party.

SERVICE REGULATIONS

The provisions contained in this tariff sheet do not supersede or replace any of the charges and terms contained in the standard base rate and rider tariff sheets. The standard base rate and rider charges apply to all customers.

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KY.P.S.C. Electric No. 2
Fourth Revised Sheet No. 111
Cancels and Supersedes
Third Revised Sheet No. 111
Page 1 of 2

SMART \$AVER® CUSTOM PROGRAM

APPLICABILITY

Available to non-residential customers in the Company's electric service area taking service under all non-residential rates who choose to participate by completing and submitting an application before initiating an energy efficiency project.

PROGRAM DESCRIPTION

The Smart \$aver Custom Program is part of Duke Energy Kentucky's portfolio of programs offered through Rider Demand Side Management Program (Rider DSM) and recovered through the Company's Rider DSMR (Demand Side Management Rate). The purpose of this program is to encourage the installation of high efficiency equipment in new and existing nonresidential establishments. The program will provide incentive payments to offset a portion of the higher cost of energy efficient installations that are not included in the Smart \$aver® Prescriptive program. As part of the Smart \$aver Custom program, customers may be eligible for an audit assessing their energy usage and to provide recommendations for more efficient use of energy. The program will also help identify those customers who could benefit from the Smart Saver® Custom program.

Payments are available for a percentage of the incremental cost difference between a standard efficiency installation and a high efficiency installation. For most retrofit projects, incremental costs are equal to project costs. For new construction or major renovation, incremental costs are the difference between the cost of a standard efficiency installation and the cost of a high efficiency installation. The Company may vary the percentage incentive based on project conditions, including differences in efficiency, in order to provide the minimum incentive needed to drive customers to purchase higher efficiency equipment. The Company reserves the right to adjust the incentives and efficiency baselines, for specific equipment on a periodic basis, as equipment efficiency standards change and as customers naturally move to purchase higher efficiency equipment.

The following types of equipment are eligible for incentives:

- High efficiency lighting
- High efficiency HVAC installations
- High efficiency motors, pumps, and variable frequency drives
- High efficiency food service installations
- High efficiency process equipment installations, including compressed air systems
- Other high efficiency installations as determined by the Company on a case by case basis.

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KY.P.S.C. Electric No. 2
Fourth Revised Sheet No. 111
Cancels and Supersedes
Third Revised Sheet No. 111
Page 2 of 2

PROGRAM DESCRIPTION (Contd.)

The Smart \$aver Custom Program utilizes a reservation system for incentive payments beginning in the fiscal year of July 1, 2018 – June 30, 2019. Incentive funding for the program is limited and will only be available to pre-approved qualifying projects in the order offer letters are delivered.

In order to receive payment under this program, the customer must submit an application before making a decision to implement the project. After completing the project, the customer submits documentation and verification that the installed efficiency measures meet the originally approved application. The Company reserves the right to inspect the premises of the customer both before and after implementation of the measure for which payment is requested. Payments will be made only after the equipment has been installed and is operable.

Multiple incentive payments may be requested for each establishment; however, the Company reserves the right to limit the payments per establishment per year.

The payment to the customer or owner will be an amount up to 75% of the project incremental cost. With Company approval, the customer or owner may designate that payment be made to the vendor or other third party.

SERVICE REGULATIONS

The provisions contained in this tariff sheet do not supersede or replace any of the charges and terms contained in the standard base rate and rider tariff sheets. The standard base rate and rider charges apply to all customers.

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Erlanger, Kentucky 41018

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~~Fifth~~~~Fourth~~ Revised Sheet No. 113
Cancels and Supersedes
~~Fourth~~~~Third~~ Revised Sheet No. 113
Page 1 of 2

SMART \$AVER® PRESCRIPTIVE PROGRAM

APPLICABILITY

Available to non-residential customers in the Company's electric service area taking service under all non-residential rates who choose to participate by completing and submitting an application.

PROGRAM DESCRIPTION

The Smart \$aver Energy Prescriptive Program is part of Duke Energy Kentucky's portfolio of programs offered through Rider Demand Side Management Program (Rider DSM) and recovered through the Company's Rider DSMR (Demand Side Management Rate). The purpose of this program is to encourage the installation of high efficiency equipment in new and existing nonresidential establishments. The program will provide incentive payments to offset a portion of the higher cost of energy efficient equipment. The program also encourages maintenance of existing equipment in order to reduce or maintain energy usage.

The Company may vary the incentive by type of equipment and differences in efficiency in order to provide the minimum incentive needed to drive customers to purchase higher efficiency equipment. The Company reserves the right to adjust the incentive, for specific equipment, on a periodic basis, as equipment efficiency standards change, and as customers naturally move to purchase higher efficiency equipment. The following types of equipment are eligible for incentives.

- High efficiency lighting
- High efficiency heating, ventilation and air conditioning equipment
- High efficiency food service equipment
- Other high efficiency equipment as determined by the Company on a case by case basis
- Maintenance to increase the efficiency of existing equipment

In order to receive an incentive payment under this program, the owner must submit an application before or within ninety (90) days of installation, along with the required documentation and verification that the installed efficiency measures meet the requirements of this program. The Company reserves the right to inspect the premises of the customer both before and after implementation of the measure for which payment is requested. Incentive payments will be made only after the equipment has been installed, and is operable, as verified by the Company. Multiple incentive payments may be requested for each establishment; however, the Company reserves the right to limit the payments per establishment per year. The amount of the incentive payment for various standard types of equipment will be filed with the Commission annually, for information, and posted to the Company's website at www.duke-energy.com.

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~~Fifth~~~~Fourth~~ Revised Sheet No. 113
Cancels and Supersedes
~~Fourth~~~~Third~~ Revised Sheet No. 113
Page 2 of 2

PROGRAM DESCRIPTION (Contd.)

In addition, Duke Energy Kentucky may support several channels to offer instant prescriptive incentives that reduce the price of energy efficient products at the time of purchase. Channels may include an online store, customer purchases made through a distributor, and other channels which will increase participation in the program. The incentives offered through these channels will be consistent with current program incentive levels.

The incentive payment to the customer or owner will not exceed the percentage limit, as stated on the posted application forms, of the installed cost difference between standard equipment and higher efficiency equipment or the cost of the maintenance service. With Company approval, the customer or owner may designate that payment be made to the vendor or other third party.

Duke Energy Kentucky may limit payments of prescriptive rebates through a reservation system in which customers and trade allies seeking a prescriptive reservation submit a Pre-Application in advance of starting an energy efficiency project.

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Incentives and other considerations offered under the terms of this Program are understood to be an essential element in the recipient's decision to participate in the Program. Upon payment of these considerations, Duke Energy Kentucky will be entitled to any and all environmental, energy efficiency, and demand reduction benefits and attributes, including all reporting and compliance rights, associated with participation in the Program.

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SERVICE REGULATIONS

The provisions contained in this tariff sheet do not supersede or replace any of the charges and terms contained in the standard base rate and rider tariff sheets. The standard base rate and rider charges apply to all customers.

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Fifth Revised Sheet No. 113
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Fourth Revised Sheet No. 113
Page 1 of 2

SMART \$AVER® PRESCRIPTIVE PROGRAM

APPLICABILITY

Available to non-residential customers in the Company's electric service area taking service under all non-residential rates who choose to participate by completing and submitting an application.

PROGRAM DESCRIPTION

The Smart \$aver Energy Prescriptive Program is part of Duke Energy Kentucky's portfolio of programs offered through Rider Demand Side Management Program (Rider DSM) and recovered through the Company's Rider DSMR (Demand Side Management Rate). The purpose of this program is to encourage the installation of high efficiency equipment in new and existing nonresidential establishments. The program will provide incentive payments to offset a portion of the higher cost of energy efficient equipment. The program also encourages maintenance of existing equipment in order to reduce or maintain energy usage.

The Company may vary the incentive by type of equipment and differences in efficiency in order to provide the minimum incentive needed to drive customers to purchase higher efficiency equipment. The Company reserves the right to adjust the incentive, for specific equipment, on a periodic basis, as equipment efficiency standards change, and as customers naturally move to purchase higher efficiency equipment. The following types of equipment are eligible for incentives.

- High efficiency lighting
- High efficiency heating, ventilation and air conditioning equipment
- High efficiency food service equipment
- Other high efficiency equipment as determined by the Company on a case by case basis
- Maintenance to increase the efficiency of existing equipment

In order to receive an incentive payment under this program, the owner must submit an application before or within ninety (90) days of installation, along with the required documentation and verification that the installed efficiency measures meet the requirements of this program. The Company reserves the right to inspect the premises of the customer both before and after implementation of the measure for which payment is requested. Incentive payments will be made only after the equipment has been installed, and is operable, as verified by the Company. Multiple incentive payments may be requested for each establishment; however, the Company reserves the right to limit the payments per establishment per year. The amount of the incentive payment for various standard types of equipment will be filed with the Commission annually, for information, and posted to the Company's website at www.duke-energy.com.

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Fifth Revised Sheet No. 113
Cancels and Supersedes
Fourth Revised Sheet No. 113
Page 2 of 2

PROGRAM DESCRIPTION (Contd.)

In addition, Duke Energy Kentucky may support several channels to offer instant prescriptive incentives that reduce the price of energy efficient products at the time of purchase. Channels may include an online store, customer purchases made through a distributor, and other channels which will increase participation in the program. The incentives offered through these channels will be consistent with current program incentive levels.

The incentive payment to the customer or owner will not exceed the percentage limit, as stated on the posted application forms, of the installed cost difference between standard equipment and higher efficiency equipment or the cost of the maintenance service. With Company approval, the customer or owner may designate that payment be made to the vendor or other third party.

Duke Energy Kentucky may limit payments of prescriptive rebates through a reservation system in which customers and trade allies seeking a prescriptive reservation submit a Pre-Application in advance of starting an energy efficiency project.

Incentives and other considerations offered under the terms of this Program are understood to be an essential element in the recipient's decision to participate in the Program. Upon payment of these considerations, Duke Energy Kentucky will be entitled to any and all environmental, energy efficiency, and demand reduction benefits and attributes, including all reporting and compliance rights, associated with participation in the Program.

SERVICE REGULATIONS

The provisions contained in this tariff sheet do not supersede or replace any of the charges and terms contained in the standard base rate and rider tariff sheets. The standard base rate and rider charges apply to all customers.

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118
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Sheet No. 118
Erlanger, Kentucky 41018

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Page 1 of 2

SMALL BUSINESS ENERGY SAVER PROGRAM

APPLICABILITY

The program is available to existing Duke Energy Kentucky non-residential customer accounts who qualify with an actual average annual electric demand of 180 kilowatts or less. An individual business entity's participation is limited to no more than five premises on the Company's system during a calendar year. Where the customer is not the owner of the property, the owner must give satisfactory written consent for the customer to participate in this program.

PROGRAM DESCRIPTION

The Small Business Energy Saver Program (SBES) facilitates the installation of high efficiency equipment in existing small non-residential facilities. SBES is designed to target the small non-residential customer segment using the direct install program model which makes the energy efficiency upgrade process as streamlined and convenient as possible.

SBES will provide free, no-obligation energy assessments of qualifying non-residential customer facilities which result in recommendations of energy efficiency measures to be installed at the facility along with the projected energy savings, costs of all materials and installation, and the upfront incentive amount from Duke Energy Kentucky. Upon receiving the results of the assessment, if the customer chooses to move forward, the customer makes the final determination of project scope prior to installation. Duke Energy Kentucky then provides upfront incentives to discount the installation costs of select energy efficiency improvements in lighting; refrigeration; and heating ventilation and air conditioning.

The SBES program incentives are calculated per project, based upon the deemed estimated energy savings of the energy-efficiency improvements and the conditions found within the customer's facility. Duke Energy Kentucky may provide an upfront customer incentive for up to 80 percent of the total cost of installed measures. Incentives are provided based on the Duke Energy Kentucky's cost-effectiveness modeling to ensure cost-effectiveness over the life of the measure.

All aspects of the program will be managed by a Duke Energy Kentucky authorized program administrator. Duke Energy Kentucky will provide a list of customers who meet the program eligibility requirements to the Company-authorized program administrator in order for the program administrator to perform the work described above. Duke Energy Kentucky's incentive payment for any installed measures shall be paid directly to the Company-authorized program administrator upon verification that the energy efficiency measure(s) have been installed. All project costs above the incentive amount shall be the responsibility of the Customer and shall be paid based upon payment terms arranged between Customer and program administrator.

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~~B. Spiller~~~~James P. Henning~~

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118
Duke Energy Kentucky, Inc.
~~1262 Cox Road~~~~4580 Olympic Blvd.~~
Sheet No. 118
Erlanger, Kentucky 41018

Cancels and Supersedes
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Page 2 of 2

PROGRAM DESCRIPTION (Contd.)

Participating customers agree to allow both Duke Energy Kentucky and the Company- authorized vendor(s) the right of ingress and egress to the Customer's premises at all reasonable hours for the purpose of pre-installation and/or post-installation inspection of the project to verify installation.

SERVICE REGULATIONS

The provisions contained in this tariff sheet do not supersede or replace any of the charges and terms contained in the standard base rate and rider tariff sheets. The standard base rate and rider charges apply to all customers.

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Issued by authority of an Order by the Kentucky Public Service Commission dated ~~January 24, 2017~~ _____ in Case No. 20169-00406289.

Issued: ~~November 15, 2019~~~~December 19, 2018~~
Effective: ~~December 15, 2019~~~~February 1, 2017~~
Issued by ~~Amy B. Spiller~~~~James P. Henning~~, President /s/ ~~Amy B. Spiller~~~~James P. Henning~~

Duke Energy Kentucky, Inc.
1262 Cox Road
Erlanger, Kentucky 41018

KY.P.S.C. Electric No. 2
Second Revised Sheet No. 118
Cancels and Supersedes
First Sheet No. 118
Page 1 of 2

SMALL BUSINESS ENERGY SAVER PROGRAM

APPLICABILITY

The program is available to existing Duke Energy Kentucky non-residential customer accounts who qualify with an actual average annual electric demand of 180 kilowatts or less. An individual business entity's participation is limited to no more than five premises on the Company's system during a calendar year. Where the customer is not the owner of the property, the owner must give satisfactory written consent for the customer to participate in this program.

PROGRAM DESCRIPTION

The Small Business Energy Saver Program (SBES) facilitates the installation of high efficiency equipment in existing small non-residential facilities. SBES is designed to target the small non-residential customer segment using the direct install program model which makes the energy efficiency upgrade process as streamlined and convenient as possible.

SBES will provide free, no-obligation energy assessments of qualifying non-residential customer facilities which result in recommendations of energy efficiency measures to be installed at the facility along with the projected energy savings, costs of all materials and installation, and the upfront incentive amount from Duke Energy Kentucky. Upon receiving the results of the assessment, if the customer chooses to move forward, the customer makes the final determination of project scope prior to installation. Duke Energy Kentucky then provides upfront incentives to discount the installation costs of select energy efficiency improvements in lighting; refrigeration; and heating ventilation and air conditioning.

The SBES program incentives are calculated per project, based upon the deemed estimated energy savings of the energy-efficiency improvements and the conditions found within the customer's facility. Duke Energy Kentucky may provide an upfront customer incentive for up to 80 percent of the total cost of installed measures. Incentives are provided based on the Duke Energy Kentucky's cost-effectiveness modeling to ensure cost-effectiveness over the life of the measure.

All aspects of the program will be managed by a Duke Energy Kentucky authorized program administrator. Duke Energy Kentucky will provide a list of customers who meet the program eligibility requirements to the Company-authorized program administrator in order for the program administrator to perform the work described above. Duke Energy Kentucky's incentive payment for any installed measures shall be paid directly to the Company-authorized program administrator upon verification that the energy efficiency measure(s) have been installed. All project costs above the incentive amount shall be the responsibility of the Customer and shall be paid based upon payment terms arranged between Customer and program administrator.

Issued by authority of an Order by the Kentucky Public Service
Commission dated _____ in Case No. 2019-00406.

Issued: November 15, 2019
Effective: December 15, 2019
Issued by Amy B. Spiller, President /s/ Amy B. Spiller

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First Sheet No. 118
Page 2 of 2

PROGRAM DESCRIPTION (Contd.)

Participating customers agree to allow both Duke Energy Kentucky and the Company- authorized vendor(s) the right of ingress and egress to the Customer's premises at all reasonable hours for the purpose of pre-installation and/or post-installation inspection of the project to verify installation.

SERVICE REGULATIONS

The provisions contained in this tariff sheet do not supersede or replace any of the charges and terms contained in the standard base rate and rider tariff sheets. The standard base rate and rider charges apply to all customers.

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First Revised Sheet No. 119
Cancels and Supersedes
Original Sheet No. 119
Page 1 of 2

NON-RESIDENTIAL PAY FOR PERFORMANCE PROGRAM

(N)

APPLICABILITY

Available to non-residential customers in the Company's electric service area taking service under all non-residential rates who choose to participate by completing and submitting an application before initiating an energy efficiency project.

PROGRAM DESCRIPTION

The Non-Residential Pay for Performance Program (the Program) is part of Duke Energy Kentucky's portfolio of programs offered through Rider Demand Side Management Program (Rider DSM) and recovered through the Company's Rider DSMR (Demand Side Management Rate). The purpose of this program is to encourage the installation of high efficiency equipment in new and existing nonresidential establishments. The Program will provide incentive payments to offset a portion of the higher cost of energy efficient installations that are not eligible under either the Smart Saver® Prescriptive or Custom programs. The types of measures that will be covered by the Program will include projects with some combination of unknown building conditions or system constraints, coupled with uncertain operating, occupancy, or production schedules. The specific type of measures will be included in the contract with the Customer.

In order to receive payment under this program, the customer must submit an application before making a decision to implement the project. An estimated total project savings will be calculated and agreed to by the applicant and the Company. Program incentives will be based on the published Pay for Performance incentive rate schedule. In order to manage risk, incentives under the Program will be divided into two separate payments. The first payment will be made upon completion of the project, and following a review and approval by the company. This first payment will be based on a portion of the initial estimated total savings for the project. At this point a measurement period will begin to verify actual savings. A second incentive payment will be made as savings are confirmed and will be equal to the applicable Pay for Performance incentive rate multiplied by the verified savings amount. The percentage of payment made for the initial incentive versus the verified incentive payment amount will be made on a project-by-project basis according to the measure of uncertainty assigned to the project.

Multiple incentive payments may be requested for each establishment; however, the Company reserves the right to limit the payments per establishment per year.

The payment to the customer or owner will be an amount up to 75% of the project incremental cost. With Company approval, the customer or owner may designate that payment be made to the vendor or other third party.

Issued by authority of an Order by the Kentucky Public Service
Commission dated September 13, 2018 in Case No. 20179-0042706.

Issued: ~~November 15, 2019~~ December 19, 2018
Effective: ~~December 15, 2019~~ October 1, 2018
Issued by Amy B. Spiller, President /s/ Amy B. Spiller

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Page 2 of 2

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NON-RESIDENTIAL PAY FOR PERFORMANCE PROGRAM

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PROGRAM DESCRIPTION

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Status Update for Duke Energy Kentucky Energy Efficiency and Demand Response Programs; 2019-2021

Planned: Evaluation, Measurement and Verification Activities and Evaluation Reports

Residential Customer Programs	Program/Measure	Last Evaluation completion	Next Evaluation ==>	Q1 2019	Q2 2019	Q3 2019	Q4 2019	Q1 2020	Q2 2020	Q3 2020	Q4 2020	Q1 2021	Q2 2021	Q3 2021	Q4 2021
Low Income Neighborhood	Neighborhood	2/27/2015													
Low Income Services	Refrigerator Replace		TBD				M&V	M&V	M&V	M&V	Report				
	Weatherization & Payment Plus	7/31/2013													
My Home Energy Report	MyHER	2/1/2014										M&V	M&V	Report	
Residential Energy Assessments	HEHC	7/29/2013		M&V	M&V	M&V	M&V	M&V	Report						
Residential Smart Saver®	HVAC	9/21/2015										M&V	M&V	M&V	
	CFL, now LED	CFL 5/13/14													
	Specialty Bulbs/Online	6/22/2015									M&V	M&V	M&V	Report	
	Water Measures	N/A			M&V	M&V	M&V	Report							
Power Manager	Multi-Family	8/1/2014		M&V	M&V	M&V	Report								
		5/30/2014				M&V	M&V	M&V	Report						
Non-Residential Customer Programs															
Non-Residential Customer Programs	Program/Measure			Q1 2019	Q2 2019	Q3 2019	Q4 2019	Q1 2020	Q2 2020	Q3 2020	Q4 2020	Q1 2021	Q2 2021	Q3 2021	Q4 2021
Small Business Energy Saver		4/7/2017													
Smart Saver® Non-Res, Custom		3/1/2016		M&V	M&V	M&V	Report								
Smart Saver® Non-Res, Prescriptive		7/24/2019		M&V	M&V	Report									
PowerShare		2/14/2017						M&V	M&V	M&V	Report				
Pay For Performance		N/A	TBD												

Future Evaluation Report dates are projections only. Actual report dates will vary depending on program participation, time to achieve a significant sample and the time needed to collect adequate data.

LEGEND	
M&V	Data collection (surveys, interviews, onsite visits, billing data) and analysis
Report	Evaluation Report