

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In The Matter Of:

The Electronic Application Of Kentucky Power)
Company For: : (1) Approval Of Continuation)
Of Its Targeted Energy Efficiency Program;)
(2) Authority To Recover Costs And Net Lost)
Revenues, And To Receive Incentives) Case No. 2018-00377
Associated With The Implementation Of Its)
Demand-Side Management Programs;)
(3) Acceptance Of Its Annual DSM Status Report;)
And (4) All Other Required Approvals And Relief)

APPLICATION

Kentucky Power Company (“Kentucky Power” or the “Company”) applies to the Public Service Commission of Kentucky (“Commission”) pursuant to KRS 278.285(1) for an Order: (1) approving the continuation through December 31, 2019 of Kentucky Power Company’s Targeted Energy Efficiency Program (“TEE” Program); (2) approving the Company’s recovery through its Demand-Side Management Clause (Tariff Sheets 22-1 and 22-2) of its full costs, including lost revenues and incentives, associated with the Company’s demand-side management (“DSM”) programs and approving the proposed tariff changes; (3) accepting the Company’s annual DSM status report; and (4) granting all other required approvals and relief.

In support thereof, Kentucky Power states:

APPLICANT

1. Kentucky Power is a corporation organized under the laws of the Commonwealth of Kentucky.¹ The Company is in good standing in the Commonwealth.

¹ A certified copy of the Company’s Articles of Incorporation and all amendments thereto was attached to the Joint Application in *In the Matter Of: The Joint Application Of Kentucky Power Company, American Electric Power Company, Inc. And Central And South West Corporation Regarding A Proposed Merger*, P.S.C. Case No. 99-149. The Company’s November 15, 2018 Certificate of Existence is filed as **Exhibit 1** to this Application.

2. The post office address of Kentucky Power is 855 Central Avenue, Suite 200, Ashland, Kentucky 41101. The Company's electronic mail address is kentucky_regulatory_services@aep.com. Kentucky Power is engaged in the generation, purchase, transmission, distribution and sale of electric power. Kentucky Power serves approximately 166,400 customers in the following 20 counties of eastern Kentucky: Boyd, Breathitt, Carter, Clay, Elliott, Floyd, Greenup, Johnson, Knott, Lawrence, Leslie, Letcher, Lewis, Magoffin, Martin, Morgan, Owsley, Perry, Pike and Rowan. Kentucky Power also supplies electric power at wholesale to other utilities and municipalities in Kentucky for resale. Kentucky Power is a utility as that term is defined at KRS 278.010.

KENTUCKY POWER'S EXISTING DSM/EE PROGRAMS

3. Kentucky Power has offered DSM and energy efficiency ("EE") programs since 1994.

4. On February 23, 2017, the Commission initiated an electronic investigation of the reasonableness of the Company's DSM programs and the rates associated with those programs in Case No. 2017-00097 (the "DSM Investigation").² On November 2, 2017, the Commission issued an Order in the DSM Investigation that, among other things, suspended all new DSM program activity during the pendency of the DSM Investigation.³ On January 18, 2018, the Commission issued an Order in the DSM Investigation directing Kentucky Power to "eliminate offering any DSM programs, other than those programs that target income-eligible residential customers until there is a change in Kentucky Power's capacity position that indicates a need for additional generation to serve its load."⁴

² *In the Matter Of: Electronic Investigation Of The Reasonableness Of The Demand Side Management Programs And Rates Of Kentucky Power Company*, Order, Case No. 2017-00097 (Ky. P.S.C. Feb. 23, 2017).

³ DSM Investigation, Order at 5 (Ky. P.S.C. Nov. 2, 2017).

⁴ DSM Investigation, Order at 13 (Ky. P.S.C. Jan. 18, 2018).

5. Although it directed the Company to eliminate commercial DSM programs, the Commission granted Kentucky Power's request for authorization to pay the incentives for certain commercial projects that were in process or had been accepted by the Company before all new DSM program activity was suspended.⁵ Specifically, the Commission authorized the Company to submit incentive payments to all customers listed in the Company's response to Staff's Second Data Request, Item 2, including those in the "Waitlist" categories, and directed that the Company "should be allowed to include those incentive payments in the calculation of its DSM factor for recovery through the DSM surcharge."⁶

6. Consistent with the Commission's January 18, 2018 Order in the DSM Investigation, Kentucky Power currently offers one residential program, the TEE Program. The TEE Program has been approved through December 31, 2018.⁷

DSM/EE PROGRAM OPERATIONS

7. Year-to-date through October 31, 2018, the Company collected \$1,887,289 through the DSM factor. For the same period, Kentucky Power's DSM program costs, incentive payments, and realized lost revenues totaled \$1,363,006.

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8. Kentucky Power's TEE Program is administered in conformity with the Company's tariff.⁸

⁵ *Id.* at 15.

⁶ *Id.*

⁷ *In the Matter Of: Electronic Application Of Kentucky Power Company For (1) Authority To Expand Its Appliance Recycling Program To Include Commercial Customers; (2) Authority To Recover Costs And Net Lost Revenues, And To Receive Incentives Associated With The Implementation Of The Programs; (3) Report In Compliance With The Commission's March 11, 2015 Order In Case No. 2015-00271 Regarding Industrial Customers; (4) Leave To Dispense With Filing Monthly DSM Reports; and (5) All Other Required Approvals and Relief*, Order at 10 (Ky. P.S.C. Dec. 29, 2016) ("2015 DSM Order").

⁸ P.S.C. Ky. No. 11 Original Sheet No. 22-3.

**THE PROPOSED CONTINUATION OF THE TARGETED ENERGY EFFICIENCY PROGRAM AND
PROPOSED TARIFF UPDATES**

9. Kentucky Power seeks authority to continue the existing TEE Program, without modification, through December 31, 2019. The estimated budget for the TEE Program is attached as **Exhibit 2**.

10. The projected net energy and demand savings for the TEE Program are provided in **Exhibit 3**.

11. Kentucky Power is also updating Tariff Sheets 22-1 and 22-2. Copies of the proposed updated Tariff Sheets are attached as **Exhibit 4**.

ANNUAL DSM STATUS REPORT

12. A copy of the Company's 2018 DSM/EE Status Report is attached as Exhibit 3.

TARIFFS AND DSM SURCHARGE

13. The Company requests that its full costs, as that term is defined in the Company's Tariff D.S.M.C., associated with the Company's DSM/EE portfolio, including its costs associated with incentive payments to customers listed in the Company's response to Staff's Second Data Request, Item 2 in the DSM Investigation, be recovered through Kentucky Power's Demand-Side Management Clause (Tariff Sheets 22-1 and 22-2).

14. A Copy of Schedule C, which details the operation of the Company's DSM surcharge, is attached as **Exhibit 5**.

15. To permit recovery of program costs, lost revenues, and incentives, Kentucky Power proposes to reduce the residential DSM credit factor from (\$0.001206/kWh) to (\$0.~~000550~~/kWh). The amount of the credit to residential customers is attributable to the Company crediting to customers during 2018 for the over-collection of DSM costs in 2017. The majority of the over-collection was returned to customers through a DSM credit in 2018;

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however, due to a lag in timing between rate implementation and calculation, there is a remaining over-collection that will be returned to customers in 2019. Kentucky Power proposes to reduce the commercial DSM factor from a charge of \$0.002017/kWh to a credit of (\$0.000022/kWh). This is a credit to commercial customers resulting from the over-collection of DSM costs in 2018. Support for the calculation of the proposed DSM factors is provided in Exhibit 5.

16. Kentucky Power does not propose any other modifications to its Demand-Side Management Clause or its DSM tariff through this Application.

TESTIMONY

17. The testimony of Matthew A. Horeled is filed in support of this Application.

EXHIBITS

18. The exhibits listed in the Appendix to this Application are attached to and made a part of this Application.

COMMUNICATIONS

19. Kentucky Power respectfully requests that communications in this matter be addressed to the e-mail addresses identified on Kentucky Power's November 13, 2018 Notice of Election of Use of Electronic Filing Procedures.

WHEREFORE, Kentucky Power Company respectfully requests that the Commission issue an Order:

(1) approving the continuance of Kentucky Power Company's TEE Program through December 31, 2019;

(2) approving the modification of Kentucky Power Company's residential DSM factor to (\$0.000550/kWh) and its commercial DSM factor to (\$0.000022/kWh) to permit the

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Company's recovery through its Demand-Side Management Clause of its full costs, including lost revenues and incentives, associated with the Company's DSM/EE portfolio, including the incentives associated with customers listed in the Company's response to Staff's Second Data Request, Item 2 in the DSM Investigation;

- (3) modifying Tariff Sheet Nos. 22-1 and 22-2;
- (4) accepting the Company's annual DSM Status Report; and
- (5) granting all other required relief or approvals.

Respectfully submitted,

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COUNSEL FOR KENTUCKY POWER
COMPANY

Exhibits

- EXHIBIT 1: November 14, 2018 “Certificate of Existence” for Kentucky Power Company issued by the Secretary of State of the Commonwealth of Kentucky
- EXHIBIT 2: 2019 Targeted Energy Efficiency Program Budget
- EXHIBIT 3: 2017 and 2018 DSM/EE Status Reports
- EXHIBIT 4: Proposed Form Tariff Sheets Nos. 22-1 and 22-2 (red-lined and clean versions)
- EXHIBIT 5: “Schedule C”

Commonwealth of Kentucky
Alison Lundergan Grimes, Secretary of State

Alison Lundergan Grimes
Secretary of State
P. O. Box 718
Frankfort, KY 40602-0718
(502) 564-3490
<http://www.sos.ky.gov>

Certificate of Existence

Authentication number: 209142
Visit <https://app.sos.ky.gov/ftshow/certvalidate.aspx> to authenticate this certificate.

I, Alison Lundergan Grimes, Secretary of State of the Commonwealth of Kentucky, do hereby certify that according to the records in the Office of the Secretary of State,

KENTUCKY POWER COMPANY

is a corporation duly incorporated and existing under KRS Chapter 14A and KRS Chapter 271B, whose date of incorporation is July 21, 1919 and whose period of duration is perpetual.

I further certify that all fees and penalties owed to the Secretary of State have been paid; that Articles of Dissolution have not been filed; and that the most recent annual report required by KRS 14A.6-010 has been delivered to the Secretary of State.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal at Frankfort, Kentucky, this 14th day of November, 2018, in the 227th year of the Commonwealth.



Alison Lundergan Grimes

Alison Lundergan Grimes
Secretary of State
Commonwealth of Kentucky
209142/0028317

DSM Budget

2019 Program Year

	Sum of First Half Year	Sum of Second Half Year	Forecasted Budget
Total Expense			
Commercial			
Commercial Total	0.00	0.00	0.00
Residential			
Targeted Energy Efficiency	72,850.00	211,950.00	284,800.00
Residential Total	72,850.00	211,950.00	284,800.00
Expense Total	72,850.00	211,950.00	284,800.00

KENTUCKY POWER COMPANY
Demand Side Management
Status Report
As of December 31, 2017

INDEX

PAGE	DESCRIPTION
1	Definitions
2	Summary Information (All Programs)
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 <u>DSM Programs:</u>	
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4	General Residential Administrative
5	Targeted Energy Efficiency
6	Community Outreach Compact Fluorescent Lamp (CFL)
7	Energy Education for Students
8	Home Performance
9	Residential Efficient Products
10	Appliance Recycling
11	New Manufactured Homes
12	Whole House Efficiency
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14	Mobile Home New Construction
15	Modified Energy Fitness Program
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33	Smart Audit - Inactive
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DEFINITIONS

- 1) YTD Costs - Year-to-Date costs recorded through December 31, 2017.
- 2) YTD Impacts - Estimated in place load impacts for Year-to-Date participants.
- 3) PTD Costs - Costs recorded from the inception of the program through December 31, 2017
- 4) PTD Impacts - Estimated in place load impacts for Program-to-Date participants.

COMMENTS

Our calculations are based on actual participants and costs as of December 31, 2017.

The estimated actual in-place energy (kWh) savings represents the annual energy savings for customers beginning program participation in the reported period. It is computed by applying the average customer annual net energy savings, including 8.6% T&D losses. The savings are included with the latest program evaluation report or the initially filed program estimate where an evaluation report has not been completed. The estimated actual in place energy (kWh) savings are calculated in accordance with the Sunset Provision contained in the joint application, filed September 27, 1995.

The estimated anticipated peak demand (kW) reduction is a product of the number of net participating customers or measure quantity (excluding free riders) and projected winter/summer demand reductions filed for each program. The anticipated peak demand (kW) reductions include a 12.4% T&D loss savings.

The calculation of YTD and PTD estimated in place energy (kWh) savings and anticipated peak demand (kW) reductions contained in this status report reflect, wherever applicable, the program evaluation results of each individual program as described in the August 16, 1999, June 30, 2002, June 30, 2005, June 30, 2008, June 30, 2010, August 15, 2011, August 15, 2012, and August 15, 2014, DSM collaborative report, and August 10, 2015, Demand Side Management Program Plan.

The individual DSM lost revenue, efficiency incentive and maximizing incentives as of June 30, 1997 are calculated based on the initial values from Exhibit E in the joint application, filed September 27, 1995. A retroactive adjustment of the initial values of the efficiency incentives and net lost revenue kWh impacts was used for each program for the first eighteen months (1/1/96 to 6/30/97). The lost revenue, efficiency incentive and maximizing incentive for the period 1/1/2017 to 12/31/2017 are calculated using the revised values contained in Schedule C of this status report.

The program lost revenue is the product of the number of participating customers, the average net energy savings (kWh) per customer and the net lost revenue (\$/kWh). The number of participating customers is equal to 1/2 of the new participants for the current month, plus the cumulative participants from the previous months. The program-to-date lost revenues are calculated in accordance with the Sunset Provision contained in the joint application, filed September 27, 1995.

The efficiency incentive is the product of the number of participants for the month and the efficiency rate (\$/participant). The maximizing incentive is calculated as 5% of actual program cost for the month.

KENTUCKY POWER COMPANY
SUMMARY INFORMATION (ALL PROGRAMS)
 As of December 31, 2017

DESCRIPTION	YTD	PTD
Total Revenue Collected	<u>\$19,523,626</u>	<u>\$62,629,100</u>
Total Program Costs	\$5,875,291	\$41,369,453
Total Lost Revenues	\$3,616,337	\$15,405,728
Total Efficiency / Maximizing Incentive	\$424,318	\$4,435,870
HEAP - Kentucky Power's Information Technology Implementation Costs (Case No 2006 - 00373, Dated December 14, 2006)	\$0	\$58,968
HEAP - KACA's Information Technology Implementation Costs	<u>\$0</u>	<u>\$15,700</u>
Total DSM Costs As of December 31, 2017	<u>\$9,915,946</u>	<u>\$61,285,719</u>

KENTUCKY POWER COMPANY
SUMMARY INFORMATION (ALL PROGRAMS)
 As of December 31, 2017

DESCRIPTION	YTD		PTD	
Actual In-Place Energy Savings:	22,442,747	kWh	672,997,742	kWh
w/ T&D Line Losses:	24,372,823	kWh	763,165,526	kWh
Total kW Reductions:				
Winter	2,022	kW	40,482	kW
w/ T&D Line Losses:	2,272	kW	49,375	kW
Summer	3,875	kW	19,891	kW
w/ T&D Line Losses:	4,355	kW	26,639	kW

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	General Residential Administrative
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2017 - December 31, 2017

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Administrative	\$8,979	\$0	\$194,778
Promotion	\$12,343	\$0	\$87,754
Other			
Total Costs	\$21,322	\$0	\$282,532

COMMENTS:

Administrative expense represents EE Market Potential Assessment and DSM Program Plan Program Plan services which began Fall 2014. The category will continue to reflect portfolio expenses related to Evaluation, Measurement and Verification work.

The expense forecast for 2017 is \$21,969
 The expense forecast for 2018 is \$0

A Commission order for case no. 2017-00097 terminated this program in 2017.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Targeted Energy Efficiency
PARTICIPANT DEFINITION:	Number of Households
CUSTOMER SECTOR:	Residential - Low Income
REPORTING PERIOD:	January 1, 2017 - December 31, 2017

New Participants		
	<u>All Electric</u>	<u>Non All Electric</u>
Jan	8	0
Feb	6	1
Mar	5	1
Apr	6	0
May	12	1
Jun	6	0
Jul	3	0
Aug	7	0
Sep	7	0
Oct	6	1
Nov	7	0
Dec	0	0
YTD	73	4
PTD	3,995	1,134

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	211,683	91,135,141
Anticipated Peak Demand (kW) Reduction:		
Summer	34	1,101
Winter	68	3,440

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$18,891	\$0	\$320,112
Equipment/Vendor:	\$256,352	\$0	\$4,827,544
Promotional:	\$0	\$0	\$0
Customer Incentives:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$9,553
Total Program Costs	\$275,243	\$0	\$5,157,209
Lost Revenues:	\$27,001	\$1,944	\$1,055,670
Efficiency Incentive:	\$1,829	\$184	\$189,115
Maximizing Incentive:	\$0	\$0	\$123,617
Total Costs	\$304,073	\$2,128	\$6,525,611

COMMENTS:

The Targeted Energy Efficiency Program provides a variety of services, including a home energy audit, weatherization and seal-up to targeted low income customers.

The Equipment / Vendor cost categories includes the cost of labor and materials of measures installed, participant energy education costs and vendor administration costs.

The participant and expense forecast for 2017 is 108 homes and \$288,740, respectively. The participant and expense forecast for 2018 is 129 homes and \$285,054, respectively.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Community Outreach
PARTICIPANT DEFINITION:	Number of Customers
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2017 - December 31, 2017

New Participants	
Jan	0
Feb	0
Mar	261
Apr	344
May	367
Jun	431
Jul	253
Aug	413
Sep	396
Oct	514
Nov	0
Dec	0
YTD	2,979
PTD	42,448

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	64,704	3,106,885
Anticipated Peak Demand (kW) Reduction:		
Summer	7	1,026
Winter	7	1,173

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$3,628	\$0	\$35,362
Equipment/Vendor:	\$27,210	\$0	\$367,342
Promotional:	\$9,925	\$0	\$27,315
Administration:	\$4,898	\$0	\$17,757
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$45,661	\$0	\$447,776
Lost Revenues:	\$10,990	\$0	\$297,155
Efficiency Incentive:	\$2,283	\$0	\$124,160
Maximizing Incentive:	\$0	\$0	\$1,654
Total Costs	\$58,934	\$0	\$870,745

COMMENTS:

The Community Outreach program is designed to educate and influence residential customers to purchase and use energy conservation measures in their homes. An energy efficiency kit consisting of 2 light emitting diodes (LED) and 1 low-flow faucet aerator will be distributed to customers at scheduled community events.

The participant and expense forecast for 2017 is 3,000 customers and \$46,470, respectively. The participant and expense forecast for 2018 is 0 customers and \$49, respectively.

A Commission order for case no. 2017-00097 terminated this program in 2017.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Energy Education For Students
PARTICIPANT DEFINITION:	Number of Students receiving EE kits
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2017 - December 31, 2017

New Participants	
Jan	0
Feb	0
Mar	0
Apr	607
May	0
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	894
Dec	708
YTD	2,209
PTD	17,741

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	35,985	1,120,547
Anticipated Peak Demand (kW) Reduction:		
Summer	5	426
Winter	5	335

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$1,682	\$0	\$23,364
Equipment/Vendor:	\$19,954	\$0	\$155,584
Promotional:	\$0	\$0	\$2,770
Education Workshops	\$9,475	\$0	\$31,617
Administration	\$10,507	\$0	\$63,055
Total Program Costs	\$41,617	\$0	\$276,389
Lost Revenues:	\$4,201	\$0	\$117,539
Efficiency Incentive:	\$2,081	\$0	\$38,569
Maximizing Incentive:	\$0	\$0	\$1,874
Total Costs	\$47,899	\$0	\$434,371

COMMENTS:

The Energy Education for Students program is designed to partner with the National Energy Education Development Project (NEED) to implement an energy education program for middle school students at participating schools. The students will be provided an energy efficiency kit consisting of 2 light emitting diodes (LED) and 1 low-flow faucet aerator. The program will influence residential customers to purchase and use energy conservation measures in their homes.

The participant and expense forecast for 2017 is 2,200 students and \$41,906, respectively. The participant and expense forecast for 2018 is 0 students and \$23, respectively.

A Commission order for case no. 2017-00097 terminated this program in 2017.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Home Performance
PARTICIPANT DEFINITION:	Customer Accounts
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2017 - December 31, 2017

New Participants	<u>New</u>	<u>Cumulative</u>
Jan	5,000	65,000
Feb	0	65,000
Mar	0	65,000
Apr	0	65,000
May	0	65,000
Jun	0	65,000
Jul	0	65,000
Aug	0	65,000
Sep	0	65,000
Oct	0	65,000
Nov	0	65,000
Dec	0	65,000
YTD	5,000	65,000
PTD	65,000	65,000

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	11,002,445	26,930,509
Anticipated Peak Demand (kW) Reduction:		
Summer	2,277	4,691
Winter	0	2,414

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$32,415	\$0	\$37,938
Equipment/Vendor:	\$572,444	\$0	\$1,498,282
Promotional:	\$0	\$0	\$0
Customer Incentives:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$604,859	\$0	\$1,536,220
Lost Revenues:	\$712,378	\$0	\$1,463,215
Efficiency Incentive:	\$115,051	\$0	\$205,451
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$1,432,288	\$0	\$3,204,886

COMMENTS:

The Home Performance program provides paper Home Energy Reports and regular email messages to consumers regarding ways the customer can save energy.

This program was recommended to be discontinued. The 2018 budget includes Evaluation expenses and residual administration expenses.

The participant and expense forecast for 2017 is 65,000 and \$605,946, respectively. The participant and expense forecast for 2018 is 0 and \$113,110 respectively.

A Commission order for case no. 2017-00097 terminated this program in 2017.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Residential Efficient Products
PARTICIPANT DEFINITION:	Number of Units purchased
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2017 - December 31, 2017

New Participants					
	<u>Standard CFL</u>	<u>Standard LED</u>	<u>Specialty LED</u>	<u>Clothes Washer</u>	
Jan	29	21,963	678	0	
Feb	0	0	0	0	
Mar	130	1,830	245	76	
Apr	0	4,934	557	42	
May	0	6,038	664	0	
Jun	0	6,910	581	44	
Jul	0	8,864	916	115	
Aug	0	21,992	2,058	66	
Sep	0	41,067	964	57	
Oct	0	25,504	1,038	21	
Nov	0	66,592	723	32	
Dec	0	23,703	219	34	
YTD	159	229,397	8,643	487	
PTD	1,572,315	397,175	35,190	1,434	

	<u>Room Air Purifiers</u>	<u>Dehumidifiers</u>	<u>Refrigerators</u>	<u>Freezers</u>	<u>Heat Pump Water Heater</u>	
Jan	0	0	0	0	0	
Feb	0	0	0	0	0	
Mar	2	15	0	0	0	
Apr	1	13	0	0	0	
May	0	0	0	0	0	
Jun	2	11	0	0	0	
Jul	5	30	0	0	0	
Aug	2	10	0	0	0	
Sep	2	21	0	0	0	
Oct	0	5	0	0	0	
Nov	3	20	0	0	0	
Dec	1	15	0	0	0	
YTD	18	140	0	0	0	
PTD	70	565	444	113	20	

Impacts			
	<u>Year-To-Date</u>	<u>Program-To-Date</u>	
Estimated in Place Energy (kWh) Savings	4,705,214	48,532,778	
Anticipated Peak Demand (kW) Reduction:			
Summer	500	5,822	
Winter	500	8,010	

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$60,619	\$0	\$133,159
Equipment/Vendor:	\$453,906	\$0	\$2,423,204
Promotional:	\$20,988	\$0	\$74,307
Customer Incentives:	\$503,453	\$0	\$2,881,607
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$1,038,966	\$0	\$5,512,277
Lost Revenues:	\$874,291	\$0	\$3,275,979
Efficiency Incentive:	\$90,760	\$0	\$1,191,934
Maximizing Incentive:	\$0	\$0	\$15,685
Total Costs	\$2,004,017	\$0	\$9,995,875

COMMENTS:

The Residential Efficient Products Program will provide incentives and marketing support through retailers to build market share and usage of ENERGY STAR lighting products. Designed to produce long-term energy savings in the residential sector by increasing the market share of ENERGY STAR CFLs and (or) other ENERGY STAR lighting products.

The participant forecast for 2017 is 159 ENERGY STAR CFLs, 286,058 ENERGY STAR LEDs, 12,080 Specialty ENERGY STAR LEDs, 541 ENERGY STAR rated Clothes Washers, 130 ENERGY STAR rated Dehumidifiers, 20 ENERGY STAR rated Air Purifiers. The expense forecast for 2017 is \$1,066,201.

The expense forecast for 2018 is \$2,087.

A Commission order for case no. 2017-00097 terminated this program in 2017.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Appliance Recycling
PARTICIPANT DEFINITION:	Number of Units Recycled
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2017 - December 31, 2017

New Recycled Units	<u>Refrigerator</u>	<u>Freezer</u>
Jan	27	3
Feb	32	13
Mar	39	9
Apr	28	11
May	34	9
Jun	27	10
Jul	32	6
Aug	57	13
Sep	28	10
Oct	34	6
Nov	5	0
Dec	0	0
YTD	343	90
PTD	1,170	308

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	263,966	999,097
Anticipated Peak Demand (kW) Reduction:		
Summer	34	110
Winter	34	110

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$5,139	\$0	\$6,015
Equipment/Vendor:	\$45,976	\$0	\$126,113
Promotional:	\$2,530	\$0	\$21,110
Customer Incentives:	\$22,090	\$0	\$82,305
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$75,735	\$0	\$235,543
Lost Revenues:	\$40,365	\$0	\$67,608
Efficiency Incentive:	\$1,303	\$0	\$5,902
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$117,404	\$0	\$309,054

COMMENTS:

The Appliance Recycling program provides incentives to customer who recycle a working second refrigerator or freezer that is in the home. The components of the unit are recycled in an environmentally friendly manner.

The participant and expense forecast for 2017 is 540 and \$92,951, respectively. The participant and expense forecast for 2018 is 0 and \$69, respectively.

A Commission order for case no. 2017-00097 terminated this program in 2017.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	New Manufactured Homes
PARTICIPANT DEFINITION:	Homes
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2017 - December 31, 2017

Manufactured Homes:	<u>Energy Efficient</u>	<u>Energy Star</u>
Jan	0	0
Feb	1	1
Mar	0	1
Apr	0	2
May	1	0
Jun	0	1
Jul	0	0
Aug	0	2
Sep	0	2
Oct	0	2
Nov	0	1
Dec	0	2
YTD	2	14
PTD	107	21

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	34,874	279,940
Anticipated Peak Demand (kW) Reduction:		
Summer	14	115
Winter	10	80

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$9,193	\$0	\$10,759
Equipment/Vendor:	\$127,892	\$0	\$163,681
Promotional:	\$3,728	\$0	\$6,694
Customer Incentives:	\$17,750	\$0	\$78,500
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$158,563	\$0	\$259,634
Lost Revenues:	\$14,675	\$0	\$20,156
Efficiency Incentive:	\$1,865	\$0	\$13,569
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$175,103	\$0	\$293,359

COMMENTS:

The New Manufactured Homes program provides incentives to customers that purchase an energy efficient manufactured home. Two iters of incentives are offered to residential customers.

1. Energy Efficient Manufactured Home
2. ENERGY STAR manufactured homes

The participant and expense forecast for 2017 is 16 homes and \$169,261, respectively. The participant and expense forecast for 2018 is 0 homes and \$191, respectively.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Whole House Efficiency
PARTICIPANT DEFINITION:	Participants
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2017 - December 31, 2017

Audits & Rebates:	<u>Single Family</u>	<u>Multi-Family</u>	<u>Weatherization</u>	<u>HVAC</u>
Jan	185	7	7	32
Feb	133	73	0	31
Mar	103	31	0	36
Apr	66	58	1	25
May	93	42	0	52
Jun	93	101	0	22
Jul	63	3	0	16
Aug	90	7	0	25
Sep	88	40	9	31
Oct	171	5	1	17
Nov	27	0	0	42
Dec	0	0	1	22
YTD	1,112	367	19	351
PTD	2,852	375	19	1,187

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	2,107,777	5,025,261
Anticipated Peak Demand (kW) Reduction:		
Summer	293	701
Winter	547	1,297

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$78,619	\$0	\$92,014
Equipment/Vendor:	\$1,124,354	\$0	\$2,226,378
Promotional:	\$157,770	\$0	\$378,404
Customer Incentives:	\$112,576	\$0	\$426,026
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$1,473,319	\$0	\$3,122,822
Lost Revenues:	\$241,795	\$0	\$302,692
Efficiency Incentive:	\$67,544	\$0	\$148,940
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$1,782,658	\$0	\$3,574,454

COMMENTS:

The program encourages whole-house improvements to existing homes by promoting home energy audits and comprehensive retrofit services. Single family and multi-family residential customer that own or rent a residence and have an electric central cooling or heat pump system are eligible.

The program delivers three options:

1. Home Energy Audit
2. Weatherization Measures
3. HVAC equipment

The participant and expense forecast for 2017 is 1,568 home audits, 87 weatherization and 354 HVAC rebates and \$1,583,290, respectively.

The participant and expense forecast for 2018 is 0 home audits, 16 weatherization and 19 HVAC rebates and \$32,031, respectively.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	High Efficiency Heat Pump - Mobile Home - Inactive
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2017 - December 31, 2017

New Participants	
Jan	0
Feb	0
Mar	0
Apr	0
May	0
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0
YTD	0
PTD	3,370

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	88,975,126
Anticipated Peak Demand (kW) Reduction:		
Summer	0	628
Winter	0	4,760

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$67,774
Equipment/Vendor:	\$0	\$0	\$119,755
Promotional:	\$0	\$0	\$4,860
Customer Incentives:	\$0	\$0	\$1,413,100
Other Costs:	\$0	\$0	\$1,167
Total Program Costs	\$0	\$0	\$1,606,656
Lost Revenues:	\$14,133	\$5,820	\$875,167
Efficiency Incentive:	\$0	\$18,331	\$355,268
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$14,133	\$24,151	\$2,837,091

COMMENTS:

The High Efficiency Heat Pump - Mobile Home program provides incentives to customers, encouraging them to install the highest efficiency equipment practical.

This program will be combined with the Whole House Efficiency program.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Mobile Home New Construction - Inactive
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2017 - December 31, 2017

New Participants			
	<u>Heat Pump</u>	<u>Air Conditioner</u>	
Jan	0	0	
Feb	0	0	
Mar	0	0	
Apr	0	0	
May	0	0	
Jun	0	0	
Jul			
Aug			
Sep			
Oct			
Nov			
Dec			
YTD	0	0	
PTD	2,894	2	

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	128,929,324
Anticipated Peak Demand (kW) Reduction:		
Summer	0	995
Winter	0	5,311

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$50,872
Equipment/Vendor:	\$0	\$0	\$167,463
Promotional:	\$0	\$0	\$5,952
Customer Incentives:	\$0	\$0	\$1,456,450
Other Costs:	\$0	\$0	\$5,616
Total Program Costs	\$0	\$0	\$1,686,353
Lost Revenues:	\$7,424	\$0	\$796,499
Efficiency Incentive:	\$0	\$0	\$223,411
Maximizing Incentive:	\$0	\$0	\$2,580
Total Costs	\$7,424	\$0	\$2,708,843

COMMENTS:

The program provides a financial incentive to new mobile home buyers and trade allies to encourage the installation of high efficiency heat pumps and upgraded insulation packages to new mobile homes.

This program is being combined with the New Manufactured Homes program.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Modified Energy Fitness - Inactive
PARTICIPANT DEFINITION:	Number of Home Audits
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2017 - December 31, 2017

New Participants	
Jan	0
Feb	0
Mar	0
Apr	0
May	0
Jun	0
Jul	
Aug	
Sep	
Oct	
Nov	
Dec	
YTD	0
PTD	14,685

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	86,629,653
Anticipated Peak Demand (kW) Reduction:		
Summer	0	1,853
Winter	0	5,479

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$72,235
Equipment/Vendor:	\$0	\$0	\$5,477,085
Promotional:	\$0	\$0	\$187,769
Customer Incentives:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$5,737,089
Lost Revenues:	\$55,966	\$0	\$1,582,579
Efficiency Incentive:	\$0	\$0	\$387,254
Maximizing Incentive:	\$0	\$0	\$8
Total Costs	\$55,966	\$0	\$7,706,930

COMMENTS:

The Modified Energy Fitness program provides energy audits, blower door testing, duct sealing and direct installation of low cost conservation measures to residential customers with electric space heating and electric water heating.

The equipment / vendor cost category includes the cost of labor and materials of measures installed, the cost of promotion by the vendor and vendor administration costs including customer education.

The program is being combined with the new Whole House Efficiency program. Some residual expenses for the program from 2015 were paid in 2016.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	High Efficiency Heat Pumps - Inactive
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2017 - December 31, 2017

New Participants	<u>Resistance</u>	<u>Non Resistance</u>
Jan	0	0
Feb	0	0
Mar	0	0
Apr	0	0
May	0	0
Jun	0	0
Jul		
Aug		
Sep		
Oct		
Nov		
Dec		
YTD	0	0
PTD	1,374	2,792

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	4,565,384
Anticipated Peak Demand (kW) Reduction:		
Summer	0	145
Winter	0	3,021

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$36,601
Equipment/Vendor:	\$0	\$0	\$233,200
Promotional:	\$0	\$0	\$15,714
Customer Incentives:	\$0	\$0	\$1,644,160
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$1,929,675
Lost Revenues:	\$27,244	\$0	\$578,492
Efficiency Incentive:	\$0	\$0	\$351,883
Maximizing Incentive:	\$0	\$0	\$17,177
Total Costs	\$27,244	\$0	\$2,877,227

COMMENTS:

This program was implemented to reduce residential electric consumption by replacing older, less efficient electric heating systems with high efficiency heat pumps. Customers are provided an incentive encouraging them to promote the highest efficiency equipment practical.

The program is being combined with the new Whole House Efficiency program.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Residential HVAC Diagnostic and Tune-up - Inactive
PARTICIPANT DEFINITION:	Number of Units receiving service
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2017 - December 31, 2017

New Participants		<u>Heat Pump</u>	<u>Air Conditioner</u>
Jan			
Feb			
Mar			
Apr			
May			
Jun			
Jul			
Aug			
Sep			
Oct			
Nov			
Dec			
YTD		0	0
PTD		1,910	454

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	595,144
Anticipated Peak Demand (kW) Reduction:		
Summer	0	254
Winter	0	404

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$30,594
Equipment/Vendor:	\$0	\$0	\$108,975
Promotional:	\$0	\$0	\$15,099
Customer Incentives:	\$0	\$0	\$110,640
Administration:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$50
Total Program Costs	\$0	\$0	\$265,358
Lost Revenues:	\$0	\$1,944	\$42,682
Efficiency Incentive:	\$0	\$184	\$8,930
Maximizing Incentive:	\$0	\$0	\$8,115
Total Costs	\$0	\$2,128	\$325,085

COMMENTS:

The Residential HVAC Diagnostic and Tune-up Program provides incentives to customers for a variety of HVAC services including over and under refrigerant charge and other diagnostic performance checks on residential unitary central air conditioning and heat pump units. Central Air Conditioning units were discontinued 12/31/12.

A 2014 portfolio evaluation recommended program termination after the 2014 program year.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Pilot Residential Load Management - Inactive
PARTICIPANT DEFINITION:	Number of Switches Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2017 - December 31, 2017

New Participants	<u>A/C Switches</u>	<u>Water Heater SW</u>
Jan		
Feb		
Mar		
Apr		
May		
Jun		
Jul		
Aug		
Sep		
Oct		
Nov		
Dec		
YTD	0	0
PTD	65	52

Impacts	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	0
Anticipated Peak Demand (kW) Reduction:		
Summer	0	0
Winter	0	0

Costs	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
<u>Description</u>			
Total Evaluation	\$0	\$0	\$31,060
Equipment/Vendor:	\$0	\$0	\$293,463
Promotional:	\$0	\$0	\$12,192
Customer Incentives:	\$0	\$0	\$1,516
Other Costs:	\$0	\$0	\$696
Total Program Costs	\$0	\$0	\$338,927
Lost Revenues:	\$0	\$0	\$0
Efficiency Incentive:	\$0	\$0	\$0
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$0	\$0	\$338,927

COMMENTS:

The Pilot Residential Load Management Program will determine whether peak demand can be effectively reduced through the installation of load control devices on central air conditioners, heat pumps, and/or electric water heaters. The program was completed December 31, 2012.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Energy Fitness - Inactive
PARTICIPANT DEFINITION:	Number of Households
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2017 - December 31, 2017

New Participants	
Jan	0
Feb	0
Mar	0
Apr	0
May	0
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0
YTD	0
PTD	2,812

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	55,360,221
Anticipated Peak Demand (kW) Reduction:		
Summer	0	441
Winter	0	1,932

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	0.00	0.00	18,189.00
Equipment/Vendor:	0.00	0.00	665,964.00
Promotional:	0.00	0.00	0.00
Customer Incentives:	0.00	0.00	0.00
Other Costs:	0.00	0.00	960.00
Total Program Costs	0.00	0.00	685,113.00
Lost Revenues:	0.00	(19,322.00)	363,029.00
Efficiency Incentive:	0.00	(46,349.00)	63,482.00
Maximizing Incentive:	0.00	0.00	0.00
Total Costs	0.00	(65,671.00)	1,111,624.00

COMMENTS:

This program was discontinued May 14, 1999.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Compact Fluorescent Bulb - Inactive
PARTICIPANT DEFINITION:	Number of Bulbs Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2017 - December 31, 2017

New Participants	
Jan	0
Feb	0
Mar	0
Apr	0
May	0
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0
YTD	0
PTD	269

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	280,416
Anticipated Peak Demand (kW) Reduction:		
Summer	0	3
Winter	0	3

Costs			
	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	0.00	0.00	60.00
Equipment/Vendor:	0.00	0.00	15,021.00
Promotional:	0.00	0.00	0.00
Customer Incentives:	0.00	0.00	0.00
Other Costs:	0.00	0.00	0.00
Total Program Costs	0.00	0.00	15,081.00
Lost Revenues:	0.00	25.00	1,605.00
Efficiency Incentive:	0.00	8.00	433.00
Maximizing Incentive:	0.00	0.00	0.00
Total Costs	0.00	33.00	17,119.00

COMMENTS:

This program was discontinued December 31, 1996

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	High Efficiency Heat Pumps Retro - Inactive
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2017 - December 31, 2017

New Participants	<u>Resistance</u>	<u>Non Resistance</u>
Jan	0	0
Feb	0	0
Mar	0	0
Apr	0	0
May	0	0
Jun	0	0
Jul	0	0
Aug	0	0
Sep	0	0
Oct	0	0
Nov	0	0
Dec	0	0
YTD	0	0
PTD	1,367	929

Impacts	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	71,026,985
Anticipated Peak Demand (kW) Reduction:		
Summer	0	851
Winter	0	2,995

Costs	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	0.00	0.00	12,885.00
Equipment/Vendor:	0.00	0.00	129,767.00
Promotional:	0.00	0.00	0.00
Customer Incentives:	0.00	0.00	70,500.00
Other Costs:	0.00	0.00	1,160.00
Total Program Costs	0.00	0.00	214,312.00
Lost Revenues:	0.00	(269.00)	368,960.00
Efficiency Incentive:	0.00	(2,196.00)	48,017.00
Maximizing Incentive:	0.00	0.00	5.00
Total Costs	0.00	(2,465.00)	631,294.00

COMMENTS:

This program was discontinued December 31, 2001.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	General Commercial Administrative
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2017 - December 31, 2017

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Administrative	\$0	\$0	\$233,789
Promotion	\$995	\$0	\$57,289
Other	\$0	\$0	\$0
Total Costs	\$995	\$0	\$291,078

COMMENTS:

Administrative expense represents Market Potential Study and program design services which began Fall 2014. The category will continue to reflect portfolio expenses related to Evaluation, Measurement and Verification work.

The expense forecast for 2017 is \$995.
 The expense forecast for 2018 is \$0.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Commercial Appliance Recycling
PARTICIPANT DEFINITION:	Number of Units Recycled
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2017 - December 31, 2017

New Recycled Units		
	<u>Refrigerator</u>	<u>Freezer</u>
Jan	0	0
Feb	0	0
Mar	0	0
Apr	0	0
May	0	0
Jun	0	0
Jul	0	0
Aug	0	0
Sep	0	0
Oct	0	0
Nov	0	0
Dec	0	0
YTD	0	0
PTD	0	0

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	0
Anticipated Peak Demand (kW) Reduction:		
Summer	0	0
Winter	0	0

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$0
Equipment/Vendor:	\$0	\$0	\$0
Promotional:	\$0	\$0	\$0
Customer Incentives:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$0
Lost Revenues:	\$0	\$0	\$0
Efficiency Incentive:	\$0	\$0	\$0
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$0	\$0	\$0

COMMENTS:

The Appliance Recycling program provides incentives to customer who recycle a working second refrigerator or freezer that is in the home. The components of the unit are recycled in an environmentally friendly manner.

The program was proposed for the 2017 program year.

The participant and expense forecast for 2017 is 0 and \$0, respectively.

The participant and expense forecast for 2018 is 0 and \$0, respectively.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	CI Prescriptive Custom
PARTICIPANT DEFINITION:	Number of Participants Projects Installed
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2017 - December 31, 2017

New Participants	<u>Projects Installed</u>
Jan	1
Feb	0
Mar	45
Apr	20
May	48
Jun	37
Jul	20
Aug	16
Sep	3
Oct	1
Nov	3
Dec	0
YTD	194
PTD	494

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	3,786,360	9,591,349
Anticipated Peak Demand (kW) Reduction:		
Summer	726	1,843
Winter	669	1,694

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$54,891	\$0	\$64,243
Equipment/Vendor:	\$704,662	\$0	\$1,589,063
Promotional:	\$5,580	\$0	\$29,180
Customer Incentives:	\$710,874	\$0	\$1,758,010
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$1,476,007	\$0	\$3,440,496
Lost Revenues:	\$965,851	\$0	\$1,129,056
Efficiency Incentive:	\$124,981	\$0	\$300,412
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$2,566,839	\$0	\$4,869,964

COMMENTS:

The Commercial Incentive program offers energy savings for all commercial business customers through promotion of high efficiency electric lighting, HVAC, pumps, and motors. Primary objectives include; increasing the market share and installation rate of high efficiency technologies, and improving the operating efficiencies of existing long life equipment for commercial customers.

The participant and expense forecast for 2017 is 215 customers and \$1,534,493.
 The 2018 participant and expense forecast is 100 and \$674,169, respectively.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	School Energy Manager Program
PARTICIPANT DEFINITION:	School District Participation
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2017 - December 31, 2017

Participating Schools	<u>Districts</u>
Jan	17
Feb	17
Mar	17
Apr	17
May	17
Jun	17
Jul	17
Aug	17
Sep	17
Oct	0
Nov	0
Dec	0

Impacts	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	407,087	1,356,902
Anticipated Peak Demand (kW) Reduction:		
Summer	144	452
Winter	144	691

Costs	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$10,882	\$0	\$12,736
Equipment/Vendor:	\$0	\$0	\$400,000
Promotional:	\$0	\$0	\$0
Customer Incentives:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$10,882	\$0	\$412,736
Lost Revenues:	\$62,395	\$0	\$113,490
Efficiency Incentive:	\$1,875	\$0	\$2,594
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$75,152	\$0	\$528,820

COMMENTS:

The first phase of the School Energy Manager program was not expensed to DSM. The first phase consisted of a total of eight potential school districts that could participate with the program. The following five school districts participated in 2014: Carter, Johnson, Martin, Lawrence, and Paintsville.

The second phase of the program expands to include a potential of 23 school districts beginning July 2015. The DSM program budget for the 2nd phase of the program will be \$200,000. Actual school district start date and participation is dependent on the school district contractual agreement with Kentucky School Board Association (KSBA).

The expense forecast for 2017 is \$12,754.
 The expense forecast for 2018 is \$146.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Express Install
PARTICIPANT DEFINITION:	Completed Customer Project
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2017 - December 31, 2017

Participation:	<u>Completed Projects</u>
Jan	4
Feb	14
Mar	6
Apr	10
May	10
Jun	15
Jul	5
Aug	4
Sep	5
Oct	1
Nov	0
Dec	0
YTD	74
PTD	114

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	1,428,693	2,200,665
Anticipated Peak Demand (kW) Reduction:		
Summer	233	359
Winter	233	359

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$21,047	\$0	\$24,633
Equipment/Vendor:	\$21,621	\$0	\$36,674
Promotional:	\$0	\$0	\$13,482
Customer Incentives:	\$410,804	\$0	\$683,326
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$453,472	\$0	\$758,115
Lost Revenues:	\$201,706	\$0	\$208,781
Efficiency Incentive:	\$6,257	\$0	\$6,741
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$661,435	\$0	\$973,637

COMMENTS:

The program offers small commercial customers an energy assessment that includes information on potential energy savings and anticipated payback. Incentives are available for up to 70% of the equipment and installation cost. The program strategy includes three components:

1. Walk-Through Audit
2. Direct Installation of Measures
3. Customer Education

The participant and expense forecast for 2017 is 74 customer projects and \$457,093. The participant and expense forecast for 2018 is 0 customer projects and \$283.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	New Construction
PARTICIPANT DEFINITION:	Completed Customer Project
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2017 - December 31, 2017

Participation:	<u>Completed Projects</u>
Jan	2
Feb	0
Mar	0
Apr	0
May	0
Jun	2
Jul	4
Aug	3
Sep	0
Oct	0
Nov	0
Dec	0
YTD	11
PTD	24

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	324,035	706,788
Anticipated Peak Demand (kW) Reduction:		
Summer	88	192
Winter	55	120

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$3,826	\$0	\$4,478
Equipment/Vendor:	\$86,323	\$0	\$102,972
Promotional:	\$4,554	\$0	\$4,554
Customer Incentives:	\$34,855	\$0	\$79,850
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$129,558	\$0	\$191,854
Lost Revenues:	\$67,130	\$0	\$77,814
Efficiency Incentive:	\$8,489	\$0	\$15,498
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$205,177	\$0	\$285,166

COMMENTS:

The program encourages decision-makers in new construction and major reovation projects to incorporate greater energy efficiency into their building design and construction practices.

Participation includes two components:

1. Whole Building Approach
2. Systems Approach

The participant and expense forecast for 2017 is 12 customer projects and \$130,166.

The participant and expense forecast for 2018 is 11 customer projects and \$62,491.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Retro-Commissioning
PARTICIPANT DEFINITION:	Customer Project
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2017 - December 31, 2017

Participation:	<u>Completed Projects</u>
Jan	0
Feb	0
Mar	0
Apr	0
May	0
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0
YTD	0
PTD	0

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	0
Anticipated Peak Demand (kW) Reduction:		
Summer	0	0
Winter	0	0

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$11,007	\$0	\$12,882
Equipment/Vendor:	\$54,284	\$0	\$56,714
Promotional:	\$3,801	\$0	\$3,861
Customer Incentives:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$69,092	\$0	\$73,457
Lost Revenues:	\$0	\$0	\$0
Efficiency Incentive:	\$0	\$0	\$0
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$69,092	\$0	\$73,457

COMMENTS:

The program provides a study to optimize customer's building automation systems. Eligible customers receive one of the following fully funded studies based upon the building size:

1. RCx Lite: Buildings with 50,000 and 150,000 square feet and 150 to 500 kW peak demand.
2. RCx Standard: Buildings larger than 150,000 square feet and with greater than 500 kW peak demand.

This program was recommended to be discontinued. The 2018 budget includes Evaluation expenses.

The participant and expense forecast for 2017 is 0 customer projects and \$69,876. The participant and expense forecast for 2018 is 0 customer projects and \$148.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Commercial High Efficiency HP/AC
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2017 - December 31, 2017

New Participants	<u>Heat Pump</u>	<u>Air Conditioner</u>
Jan	0	0
Feb	0	0
Mar	0	0
Apr	0	0
May	0	0
Jun	0	0
Jul		
Aug		
Sep		
Oct		
Nov		
Dec		
YTD	0	0
PTD	80	4

Impacts	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	54,646
Anticipated Peak Demand (kW) Reduction:		
Summer	0	25
Winter	0	34

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$28,806
Equipment/Vendor:	\$0	\$0	\$3,950
Promotional:	\$0	\$0	\$25,745
Customer Incentives:	\$0	\$0	\$33,400
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$91,901
Lost Revenues:	\$0	\$0	\$4,724
Efficiency Incentive:	\$0	\$0	\$1,224
Maximizing Incentive:	\$0	\$0	\$3,335
Total Costs	\$0	\$0	\$101,184

COMMENTS:

The Commercial High Efficiency Heat Pump/Air Conditioner program offers financial incentive to small commercial customers (< 100 kW demand) who upgrade to a new qualifying central air conditioner or heat pump with a Consortium for Energy Efficiency (CEE) rating. Applicable for 5 ton units or less.

The program was completed in 2015. Some residual program expenses were paid in 2016.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Commercial Incentive - Inactive
PARTICIPANT DEFINITION:	Number of Participants Projects Installed
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2017 - December 31, 2017

New Participants	<u>Projects Installed</u>
Jan	0
Feb	0
Mar	0
Apr	0
May	0
Jun	0
Jul	
Aug	
Sep	
Oct	
Nov	
Dec	
YTD	0
PTD	793

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	9,768,967
Anticipated Peak Demand (kW) Reduction:		
Summer	0	3,007
Winter	0	2,966

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$142,391
Equipment/Vendor:	\$0	\$0	\$2,239,695
Promotional:	\$0	\$0	\$77,393
Customer Incentives:	\$0	\$0	\$2,285,384
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$4,744,863
Lost Revenues:	\$288,792	\$0	\$1,761,578
Efficiency Incentive:	\$0	\$0	\$315,014
Maximizing Incentive:	\$0	\$0	\$102,031
Total Costs	\$288,792	\$0	\$6,923,486

COMMENTS:

The Commercial Incentive program offers energy savings for all commercial business customers through promotion of high efficiency electric lighting, HVAC, pumps, and motors. Primary objectives include; increasing the market share and installation rate of high efficiency technologies, and improving the operating efficiencies of existing long life equipment for commercial customers.

This program was modified in 2016 to include only prescriptive and custom services. Some residual 2105 program expense were paid in 2016. The new program design added the Commercial New Construction program, the Commercial Express Install program, and the Commercial Retro-Commissioning program.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Commercial HVAC Diagnostic and Tune-up - Inactive
PARTICIPANT DEFINITION:	Number of Units receiving service
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2017 - December 31, 2017

New Participants		
	<u>Heat Pump</u>	<u>Air Conditioner</u>
Jan	0	0
Feb	0	0
Mar	0	0
Apr	0	0
May	0	0
Jun	0	0
Jul		
Aug		
Sep		
Oct		
Nov		
Dec		
YTD	0	0
PTD	242	84

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	141,188
Anticipated Peak Demand (kW) Reduction:		
Summer	0	74
Winter	0	101

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$26,347
Equipment/Vendor:	\$0	\$0	\$14,525
Promotional:	\$0	\$0	\$13,177
Customer Incentives:	\$0	\$0	\$21,450
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$75,499
Lost Revenues:	\$0	\$0	\$9,800
Efficiency Incentive:	\$0	\$0	\$3,496
Maximizing Incentive:	\$0	\$0	\$2,415
Total Costs	\$0	\$0	\$91,210

COMMENTS:

The Commercial HVAC Diagnostic and Tune-up Program provides a variety of HVAC services, including diagnostic performance checks on commercial unitary central air conditioning and heat pump units.

The Equipment / Vendor cost include the cost of incentives for participating HVAC dealers promotion of the program. Central Air Conditioning units were discontinued 12/31/12.

The 2014 portfolio evaluation recommended program termination after the 2014 program year.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Pilot Commercial Load Management - Inactive
PARTICIPANT DEFINITION:	Number of Switches Installed
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2017 - December 31, 2017

New Participants	<u>Heat Pump</u>	<u>Air Conditioner</u>
Jan		
Feb		
Mar		
Apr		
May		
Jun		
Jul		
Aug		
Sep		
Oct		
Nov		
Dec		
YTD	0	0
PTD	0	0

Impacts	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	0
Anticipated Peak Demand (kW) Reduction:		
Summer	0	0
Winter	0	0

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$17,939
Equipment/Vendor:	\$0	\$0	\$30,000
Promotional:	\$0	\$0	\$240
Customer Incentives:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$48,179
Lost Revenues:	\$0	\$0	\$0
Efficiency Incentive:	\$0	\$0	\$0
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$0	\$0	\$48,179

COMMENTS:

The Pilot Commercial Load Management Program will determine whether peak demand can be effectively reduced through the installation of load control devices on central air conditioners, heat pumps, and/or electric water heaters. The pilot program was completed December 31, 2012.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Smart Audit - Commercial - Inactive
PARTICIPANT DEFINITION:	Number of Audits
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2017 - December 31, 2017

New Participants	<u>Class I</u>	<u>Class II</u>
Jan	0	0
Feb	0	0
Mar	0	0
Apr	0	0
May	0	0
Jun	0	0
Jul	0	0
Aug	0	0
Sep	0	0
Oct	0	0
Nov	0	0
Dec	0	0
YTD	0	0
PTD	1,952	194

Impacts	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	n/a	n/a
Anticipated Peak Demand (kW) Reduction:		
Summer	n/a	n/a
Winter	n/a	n/a

Costs	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	0.00	0.00	30,661.00
Equipment/Vendor:	0.00	0.00	1,268,176.00
Promotional:	0.00	0.00	0.00
Customer Incentives:	0.00	0.00	0.00
Other Costs:	0.00	0.00	(8,156.00)
Total Program Costs	0.00	0.00	1,290,681.00
Lost Revenues:	0.00	0.00	0.00
Efficiency Incentive:	0.00	0.00	0.00
Maximizing Incentive:	0.00	0.00	64,533.00
Total Costs	0.00	0.00	1,355,214.00

COMMENTS:

This program was discontinued December 31, 2002.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Smart Incentive - Commercial - Inactive
PARTICIPANT DEFINITION:	Number of Incentives
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2017 - December 31, 2017

New Participants	<u>Existing Building</u>	<u>New Building</u>
Jan	0	0
Feb	0	0
Mar	0	0
Apr	0	0
May	0	0
Jun	0	0
Jul	0	0
Aug	0	0
Sep	0	0
Oct	0	0
Nov	0	0
Dec	0	0
YTD	0	0
PTD	182	69

Impacts	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	125,682,085
Anticipated Peak Demand (kW) Reduction:		
Summer	0	1,519
Winter	0	2,640

Costs	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	0.00	0.00	144,039.00
Equipment/Vendor:	0.00	0.00	21,504.00
Promotional:	0.00	0.00	0.00
Customer Incentives:	0.00	0.00	399,592.00
Other Costs:	0.00	0.00	691.00
Total Program Costs	0.00	0.00	565,826.00
Lost Revenues:	0.00	442.00	891,458.00
Efficiency Incentive:	0.00	1,078.00	88,039.00
Maximizing Incentive:	0.00	0.00	281.00
Total Costs	0.00	1,520.00	1,545,604.00

COMMENTS:

This program was discontinued December 31, 2002.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Smart Audit - Industrial - Inactive
PARTICIPANT DEFINITION:	Number of Audits
CUSTOMER SECTOR:	Industrial
REPORTING PERIOD:	January 1, 2017 - December 31, 2017

New Participants	<u>Class I</u>	<u>Class II</u>
Jan	0	0
Feb	0	0
Mar	0	0
Apr	0	0
May	0	0
Jun	0	0
Jul	0	0
Aug	0	0
Sep	0	0
Oct	0	0
Nov	0	0
Dec	0	0
YTD	0	0
PTD	60	4

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	n/a	n/a
Anticipated Peak Demand (kW) Reduction:		
Summer	n/a	n/a
Winter	n/a	n/a

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	0.00	0.00	5,741.00
Equipment/Vendor:	0.00	0.00	37,786.00
Promotional:	0.00	0.00	0.00
Customer Incentives:	0.00	0.00	0.00
Other Costs:	0.00	0.00	161.00
Total Program Costs	0.00	0.00	43,688.00
Lost Revenues:	0.00	0.00	0.00
Efficiency Incentive:	0.00	0.00	0.00
Maximizing Incentive:	0.00	0.00	2,186.00
Total Costs	0.00	0.00	45,874.00

COMMENTS:

This program was discontinued December 31, 1998.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Smart Incentive - Industrial - Inactive
PARTICIPANT DEFINITION:	Number of Incentives
CUSTOMER SECTOR:	Industrial
REPORTING PERIOD:	January 1, 2017 - December 31, 2017

New Participants			
	<u>General</u>	<u>Compressed Air</u>	
Jan	0	0	
Feb	0	0	
Mar	0	0	
Apr	0	0	
May	0	0	
Jun	0	0	
Jul	0	0	
Aug	0	0	
Sep	0	0	
Oct	0	0	
Nov	0	0	
Dec	0	0	
YTD	0	0	
PTD	1	0	

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	170,525
Anticipated Peak Demand (kW) Reduction:		
Summer	0	6
Winter	0	6

Costs			
	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	0.00	0.00	28,385.00
Equipment/Vendor:	0.00	0.00	3,288.00
Promotional:	0.00	0.00	0.00
Customer Incentives:	0.00	0.00	441.00
Other Costs:	0.00	0.00	0.00
Total Program Costs	0.00	0.00	32,114.00
Lost Revenues:	0.00	0.00	0.00
Efficiency Incentive:	0.00	0.00	383.00
Maximizing Incentive:	0.00	0.00	655.00
Total Costs	0.00	0.00	33,152.00

COMMENTS:

This program was discontinued December 31, 1998.

KENTUCKY POWER COMPANY
Demand Side Management
Status Report
 As of October 31, 2018

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DEFINITIONS

- 1) YTD Costs - Year-to-Date costs recorded through October 31, 2018.
- 2) YTD Impacts - Estimated in place load impacts for Year-to-Date participants.
- 3) PTD Costs - Costs recorded from the inception of the program through October 31, 2018
- 4) PTD Impacts - Estimated in place load impacts for Program-to-Date participants.

COMMENTS

Our calculations are based on actual participants and costs as of October 31, 2018.

The estimated actual in-place energy (kWh) savings represents the annual energy savings for customers beginning program participation in the reported period. It is computed by applying the average customer annual net energy savings, including 8.6% T&D losses. The savings are included with the latest program evaluation report or the initially filed program estimate where an evaluation report has not been completed. The estimated actual in place energy (kWh) savings are calculated in accordance with the Sunset Provision contained in the joint application, filed September 27, 1995.

The estimated anticipated peak demand (kW) reduction is a product of the number of net participating customers or measure quantity (excluding free riders) and projected winter/summer demand reductions filed for each program. The anticipated peak demand (kW) reductions include a 12.4% T&D loss savings.

The calculation of YTD and PTD estimated in place energy (kWh) savings and anticipated peak demand (kW) reductions contained in this status report reflect, wherever applicable, the program evaluation results of each individual program as described in the August 16, 1999, June 30, 2002, June 30, 2005, June 30, 2008, June 30, 2010, August 15, 2011, August 15, 2012, and August 15, 2014, DSM collaborative report, and August 10, 2015, Demand Side Management Program Plan.

The individual DSM lost revenue, efficiency incentive and maximizing incentives as of June 30, 1997 are calculated based on the initial values from Exhibit E in the joint application, filed September 27, 1995. A retroactive adjustment of the initial values of the efficiency incentives and net lost revenue kWh impacts was used for each program for the first eighteen months (1/1/96 to 6/30/97). The lost revenue, efficiency incentive and maximizing incentive for the period 1/1/2018 to 10/31/2018 are calculated using the revised values contained in Schedule C of this status report.

The program lost revenue is the product of the number of participating customers, the average net energy savings (kWh) per customer and the net lost revenue (\$/kWh). The number of participating customers is equal to 1/2 of the new participants for the current month, plus the cumulative participants from the previous months. The program-to-date lost revenues are calculated in accordance with the Sunset Provision contained in the joint application, filed September 27, 1995.

The efficiency incentive is the product of the number of participants for the month and the efficiency rate (\$/participant). The maximizing incentive is calculated as 5% of actual program cost for the month.

KENTUCKY POWER COMPANY
SUMMARY INFORMATION (ALL PROGRAMS)
 As of October 31, 2018

DESCRIPTION	YTD	PTD
Total Revenue Collected	<u>\$1,887,289</u>	<u>\$64,516,389</u>
Total Program Costs	\$1,091,447	\$42,460,901
Total Lost Revenues	\$196,930	\$15,602,658
Total Efficiency / Maximizing Incentive	\$74,629	\$4,510,499
HEAP - Kentucky Power's Information Technology Implementation Costs (Case No 2006 - 00373, Dated December 14, 2006)	\$0	\$58,968
HEAP - KACA's Information Technology Implementation Costs	<u>\$0</u>	<u>\$15,700</u>
Total DSM Costs As of October 31, 2018	<u>\$1,363,006</u>	<u>\$62,648,726</u>

KENTUCKY POWER COMPANY
SUMMARY INFORMATION (ALL PROGRAMS)
 As of October 31, 2018

DESCRIPTION	YTD		PTD	
Actual In-Place Energy Savings:	2,550,194	kWh	653,105,189	kWh
w/ T&D Line Losses:	2,769,511	kWh	765,935,037	kWh
Total kW Reductions:				
Winter	502	kW	38,962	kW
w/ T&D Line Losses:	564	kW	49,939	kW
Summer	529	kW	16,545	kW
w/ T&D Line Losses:	594	kW	27,233	kW

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	General Residential Administrative
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2018 - October 31, 2018

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Administrative	\$0	\$0	\$194,778
Promotion	\$0	\$0	\$87,754
Other			
Total Costs	\$0	\$0	\$282,532

COMMENTS:

Administrative expense represents EE Market Potential Assessment and DSM Program Plan Program Plan services which began Fall 2014. The category will continue to reflect portfolio expenses related to Evaluation, Measurement and Verification work.

The expense forecast for 2018 is \$0

The expense forecast for 2019 is \$0

A Commission order for case no. 2017-00097 terminated this program in 2017.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Targeted Energy Efficiency
PARTICIPANT DEFINITION:	Number of Households
CUSTOMER SECTOR:	Residential - Low Income
REPORTING PERIOD:	January 1, 2018 - October 31, 2018

New Participants		
	<u>All Electric</u>	<u>Non All Electric</u>
Jan	5	0
Feb	7	0
Mar	2	0
Apr	8	1
May	7	0
Jun	6	0
Jul	7	0
Aug	7	0
Sep	5	0
Oct	8	2
Nov	0	0
Dec	0	0
YTD	62	3
PTD	4,057	1,137

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	178,694	91,313,835
Anticipated Peak Demand (kW) Reduction:		
Summer	29	1,130
Winter	57	3,497

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$254	\$0	\$320,366
Equipment/Vendor:	\$198,119	\$0	\$5,025,663
Promotional:	\$0	\$0	\$0
Customer Incentives:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$9,553
Total Program Costs	\$198,373	\$0	\$5,355,582
Lost Revenues:	\$5,234	\$1,944	\$1,060,904
Efficiency Incentive:	\$1,762	\$184	\$190,877
Maximizing Incentive:	\$0	\$0	\$123,617
Total Costs	\$205,368	\$2,128	\$6,730,979

COMMENTS:

The Targeted Energy Efficiency Program provides a variety of services, including a home energy audit, weatherization and seal-up to targeted low income customers.

The Equipment / Vendor cost categories includes the cost of labor and materials of measures installed, participant energy education costs and vendor administration costs.

The participant and expense forecast for 2018 is 86 homes and \$275,573, respectively.
 The participant and expense forecast for 2019 is 129 homes and \$284,800, respectively.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Community Outreach
PARTICIPANT DEFINITION:	Number of Customers
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2018 - October 31, 2018

New Participants	
Jan	0
Feb	0
Mar	0
Apr	0
May	0
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0
YTD	0
PTD	42,448

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	3,106,885
Anticipated Peak Demand (kW) Reduction:		
Summer	0	1,026
Winter	0	1,173

Costs			
	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$49	\$0	\$35,411
Equipment/Vendor:	\$0	\$0	\$367,342
Promotional:	\$0	\$0	\$27,315
Administration:	\$0	\$0	\$17,757
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$49	\$0	\$447,825
Lost Revenues:	\$0	\$0	\$297,155
Efficiency Incentive:	\$0	\$0	\$124,160
Maximizing Incentive:	\$0	\$0	\$1,654
Total Costs	\$49	\$0	\$870,794

COMMENTS:

The Community Outreach program is designed to educate and influence residential customers to purchase and use energy conservation measures in their homes. An energy efficiency kit consisting of 2 light emitting diodes (LED) and 1 low-flow faucet aerator will be distributed to customers at scheduled community events.

The participant and expense forecast for 2018 is 0 customers and \$49, respectively. The participant and expense forecast for 2019 is 0 customers and \$0, respectively.

A Commission order for case no. 2017-00097 terminated this program in 2017.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Energy Education For Students
PARTICIPANT DEFINITION:	Number of Students receiving EE kits
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2018 - October 31, 2018

New Participants	
Jan	0
Feb	0
Mar	0
Apr	0
May	0
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0
YTD	0
PTD	17,741

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	1,120,547
Anticipated Peak Demand (kW) Reduction:		
Summer	0	426
Winter	0	335

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$23	\$0	\$23,386
Equipment/Vendor:	\$0	\$0	\$155,584
Promotional:	\$0	\$0	\$2,770
Education Workshops	\$0	\$0	\$31,617
Administration	\$0	\$0	\$63,055
Total Program Costs	\$23	\$0	\$276,412
Lost Revenues:	\$0	\$0	\$117,539
Efficiency Incentive:	\$0	\$0	\$38,569
Maximizing Incentive:	\$0	\$0	\$1,874
Total Costs	\$23	\$0	\$434,394

COMMENTS:

The Energy Education for Students program is designed to partner with the National Energy Education Development Project (NEED) to implement an energy education program for middle school students at participating schools. The students will be provided an energy efficiency kit consisting of 2 light emitting diodes (LED) and 1 low-flow faucet aerator. The program will influence residential customers to purchase and use energy conservation measures in their homes.

The participant and expense forecast for 2018 is 0 students and \$23, respectively. The participant and expense forecast for 2019 is 0 students and \$0, respectively.

A Commission order for case no. 2017-00097 terminated this program in 2017.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Home Performance
PARTICIPANT DEFINITION:	Customer Accounts
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2018 - October 31, 2018

New Participants			
		<u>New</u>	<u>Cumulative</u>
Jan		0	65,000
Feb		0	65,000
Mar		0	65,000
Apr		0	65,000
May		0	65,000
Jun		0	65,000
Jul		0	65,000
Aug		0	65,000
Sep		0	65,000
Oct		0	65,000
Nov		0	65,000
Dec		0	65,000
	YTD	0	65,000
	PTD	65,000	65,000

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	26,930,509
Anticipated Peak Demand (kW) Reduction:		
Summer	0	4,691
Winter	0	2,414

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$436	\$0	\$38,374
Equipment/Vendor:	\$112,674	\$0	\$1,610,957
Promotional:	\$0	\$0	\$0
Customer Incentives:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$113,110	\$0	\$1,649,330
Lost Revenues:	\$0	\$0	\$1,463,215
Efficiency Incentive:	\$0	\$0	\$205,451
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$113,110	\$0	\$3,317,996

COMMENTS:

The Home Performance program provides paper Home Energy Reports and regular email messages to consumers regarding ways the customer can save energy.

This program was recommended to be discontinued. The 2018 budget includes Evaluation expenses and residual administration expenses.

The participant and expense forecast for 2018 is 0 and \$113,110, respectively. The participant and expense forecast for 2019 is 0 and \$0 respectively.

A Commission order for case no. 2017-00097 terminated this program in 2017.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Residential Efficient Products
PARTICIPANT DEFINITION:	Number of Units purchased
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2018 - October 31, 2018

New Participants				
	<u>Standard CFL</u>	<u>Standard LED</u>	<u>Specialty LED</u>	<u>Clothes Washer</u>
Jan	0	0	0	0
Feb	0	0	0	0
Mar	0	0	0	0
Apr	0	0	0	0
May	0	0	0	0
Jun	0	0	0	0
Jul	0	0	0	0
Aug	0	0	0	0
Sep	0	0	0	0
Oct	0	0	0	0
Nov	0	0	0	0
Dec	0	0	0	0
YTD	0	0	0	0
PTD	1,572,315	397,175	35,190	1,434

	<u>Room Air Purifiers</u>	<u>Dehumidifiers</u>	<u>Refrigerators</u>	<u>Freezers</u>	<u>Heat Pump Water Heater</u>
Jan	0	0	0	0	0
Feb	0	0	0	0	0
Mar	0	0	0	0	0
Apr	0	0	0	0	0
May	0	0	0	0	0
Jun	0	0	0	0	0
Jul	0	0	0	0	0
Aug	0	0	0	0	0
Sep	0	0	0	0	0
Oct	0	0	0	0	0
Nov	0	0	0	0	0
Dec	0	0	0	0	0
YTD	0	0	0	0	0
PTD	70	565	444	113	20

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	48,532,778
Anticipated Peak Demand (kW) Reduction:		
Summer	0	5,822
Winter	0	8,010

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$815	\$0	\$133,974
Equipment/Vendor:	\$1,272	\$0	\$2,424,476
Promotional:	\$0	\$0	\$74,307
Customer Incentives:	\$0	\$0	\$2,881,607
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$2,087	\$0	\$5,514,364
Lost Revenues:	\$0	\$0	\$3,275,979
Efficiency Incentive:	\$0	\$0	\$1,191,934
Maximizing Incentive:	\$0	\$0	\$15,685
Total Costs	\$2,087	\$0	\$9,997,962

COMMENTS:

The Residential Efficient Products Program will provide incentives and marketing support through retailers to build market share and usage of ENERGY STAR lighting products. Designed to produce long-term energy savings in the residential sector by increasing the market share of ENERGY STAR CFLs and (or) other ENERGY STAR lighting products.

The participant forecast for 2018 is 0 ENERGY STAR CFLs, 0 ENERGY STAR LEDs, 0 Specialty ENERGY STAR LEDs, 0 ENERGY STAR rated Clothes Washers, 0 ENERGY STAR rated Dehumidifiers, 0 ENERGY STAR rated Air Purifiers. The expense forecast for 2018 is \$2,087.

The expense forecast for 2019 is \$0.

A Commission order for case no. 2017-00097 terminated this program in 2017.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Appliance Recycling
PARTICIPANT DEFINITION:	Number of Units Recycled
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2018 - October 31, 2018

New Recycled Units	<u>Refrigerator</u>	<u>Freezer</u>
Jan	0	0
Feb	0	0
Mar	0	0
Apr	0	0
May	0	0
Jun	0	0
Jul	0	0
Aug	0	0
Sep	0	0
Oct	0	0
Nov	0	0
Dec	0	0
YTD	0	0
PTD	1,170	308

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	999,097
Anticipated Peak Demand (kW) Reduction:		
Summer	0	110
Winter	0	110

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$69	\$0	\$6,084
Equipment/Vendor:	\$0	\$0	\$126,113
Promotional:	\$0	\$0	\$21,110
Customer Incentives:	\$0	\$0	\$82,305
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$69	\$0	\$235,613
Lost Revenues:	\$0	\$0	\$67,608
Efficiency Incentive:	\$0	\$0	\$5,902
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$69	\$0	\$309,123

COMMENTS:

The Appliance Recycling program provides incentives to customer who recycle a working second refrigerator or freezer that is in the home. The components of the unit are recycled in an environmentally friendly manner.

The participant and expense forecast for 2018 is 0 and \$69, respectively.
 The participant and expense forecast for 2019 is 0 and \$0, respectively.

A Commission order for case no. 2017-00097 terminated this program in 2017.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	New Manufactured Homes
PARTICIPANT DEFINITION:	Homes
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2018 - October 31, 2018

Manufactured Homes:	<u>Energy Efficient</u>	<u>Energy Star</u>
Jan	0	0
Feb	0	0
Mar	0	0
Apr	0	0
May	0	0
Jun	0	0
Jul	0	0
Aug	0	0
Sep	0	0
Oct	0	0
Nov	0	0
Dec	0	0
YTD	0	0
PTD	107	21

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	279,940
Anticipated Peak Demand (kW) Reduction:		
Summer	0	115
Winter	0	80

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$124	\$0	\$10,883
Equipment/Vendor:	\$68	\$0	\$163,749
Promotional:	\$0	\$0	\$6,694
Customer Incentives:	\$0	\$0	\$78,500
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$191	\$0	\$259,825
Lost Revenues:	\$0	\$0	\$20,156
Efficiency Incentive:	\$0	\$0	\$13,569
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$191	\$0	\$293,550

COMMENTS:

The New Manufactured Homes program provides incentives to customers that purchase an energy efficient manufactured home. Two tiers of incentives are offered to residential customers.

1. Energy Efficient Manufactured Home
2. ENERGY STAR manufactured homes

The participant and expense forecast for 2018 is 0 homes and \$191, respectively. The participant and expense forecast for 2019 is 0 homes and \$0, respectively.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Whole House Efficiency
PARTICIPANT DEFINITION:	Participants
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2018 - October 31, 2018

Audits & Rebates:	<u>Single Family</u>	<u>Multi-Family</u>	<u>Weatherization</u>	<u>HVAC</u>
Jan	0	0	4	14
Feb	0	0	12	5
Mar	0	0	0	0
Apr	0	0	0	0
May	0	0	0	0
Jun	0	0	0	0
Jul	0	0	0	0
Aug	0	0	0	0
Sep	0	0	0	0
Oct	0	0	0	0
Nov	0	0	0	0
Dec	0	0	0	0
YTD	0	0	16	19
PTD	2,852	375	35	1,206

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	40,001	5,065,262
Anticipated Peak Demand (kW) Reduction:		
Summer	6	707
Winter	10	1,307

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$1,057	\$0	\$93,071
Equipment/Vendor:	\$21,586	\$0	\$2,247,964
Promotional:	\$0	\$0	\$378,404
Customer Incentives:	\$9,388	\$0	\$435,414
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$32,031	\$0	\$3,154,853
Lost Revenues:	\$1,944	\$0	\$304,636
Efficiency Incentive:	\$1,283	\$0	\$150,223
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$35,258	\$0	\$3,609,711

COMMENTS:

The program encourages whole-house improvements to existing homes by promoting home energy audits and comprehensive retrofit services. Single family and multi-family residential customer that own or rent a residence and have an electric central cooling or heat pump system are eligible.

The program delivers three options:

1. Home Energy Audit
2. Weatherization Measures
3. HVAC equipment

The participant and expense forecast for 2018 is 0 home audits, 16 weatherization and 19 HVAC rebates and \$32,031, respectively.

The participant and expense forecast for 2019 is 0 home audits, 0 weatherization and 0 HVAC rebates and \$0, respectively.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	High Efficiency Heat Pump - Mobile Home - Inactive
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2018 - October 31, 2018

New Participants	
Jan	0
Feb	0
Mar	0
Apr	0
May	0
Jun	0
Jul	
Aug	
Sep	
Oct	
Nov	
Dec	
YTD	0
PTD	3,370

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	88,975,126
Anticipated Peak Demand (kW) Reduction:		
Summer	0	628
Winter	0	4,760

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$67,774
Equipment/Vendor:	\$0	\$0	\$119,755
Promotional:	\$0	\$0	\$4,860
Customer Incentives:	\$0	\$0	\$1,413,100
Other Costs:	\$0	\$0	\$1,167
Total Program Costs	\$0	\$0	\$1,606,656
Lost Revenues:	\$0	\$5,820	\$875,167
Efficiency Incentive:	\$0	\$18,331	\$355,268
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$0	\$24,151	\$2,837,091

COMMENTS:

The High Efficiency Heat Pump - Mobile Home program provides incentives to customers, encouraging them to install the highest efficiency equipment practical.

This program will be combined with the Whole House Efficiency program.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Mobile Home New Construction - Inactive
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2018 - October 31, 2018

New Participants			
	<u>Heat Pump</u>	<u>Air Conditioner</u>	
Jan	0	0	
Feb	0	0	
Mar	0	0	
Apr	0	0	
May	0	0	
Jun	0	0	
Jul			
Aug			
Sep			
Oct			
Nov			
Dec			
YTD	0	0	
PTD	2,894	2	

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	128,929,324
Anticipated Peak Demand (kW) Reduction:		
Summer	0	995
Winter	0	5,311

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$50,872
Equipment/Vendor:	\$0	\$0	\$167,463
Promotional:	\$0	\$0	\$5,952
Customer Incentives:	\$0	\$0	\$1,456,450
Other Costs:	\$0	\$0	\$5,616
Total Program Costs	\$0	\$0	\$1,686,353
Lost Revenues:	\$0	\$0	\$796,499
Efficiency Incentive:	\$0	\$0	\$223,411
Maximizing Incentive:	\$0	\$0	\$2,580
Total Costs	\$0	\$0	\$2,708,843

COMMENTS:

The program provides a financial incentive to new mobile home buyers and trade allies to encourage the installation of high efficiency heat pumps and upgraded insulation packages to new mobile homes.

This program is being combined with the New Manufactured Homes program.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Modified Energy Fitness - Inactive
PARTICIPANT DEFINITION:	Number of Home Audits
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2018 - October 31, 2018

New Participants	
Jan	0
Feb	0
Mar	0
Apr	0
May	0
Jun	0
Jul	
Aug	
Sep	
Oct	
Nov	
Dec	
YTD	0
PTD	14,685

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	86,629,653
Anticipated Peak Demand (kW) Reduction:		
Summer	0	1,853
Winter	0	5,479

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$72,235
Equipment/Vendor:	\$0	\$0	\$5,477,085
Promotional:	\$0	\$0	\$187,769
Customer Incentives:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$5,737,089
Lost Revenues:	\$0	\$0	\$1,582,579
Efficiency Incentive:	\$0	\$0	\$387,254
Maximizing Incentive:	\$0	\$0	\$8
Total Costs	\$0	\$0	\$7,706,930

COMMENTS:

The Modified Energy Fitness program provides energy audits, blower door testing, duct sealing and direct installation of low cost conservation measures to residential customers with electric space heating and electric water heating.

The equipment / vendor cost category includes the cost of labor and materials of measures installed, the cost of promotion by the vendor and vendor administration costs including customer education.

The program is being combined with the new Whole House Efficiency program. Some residual expenses for the program from 2015 were paid in 2016.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	High Efficiency Heat Pumps - Inactive
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2018 - October 31, 2018

New Participants	<u>Resistance</u>	<u>Non Resistance</u>
Jan	0	0
Feb	0	0
Mar	0	0
Apr	0	0
May	0	0
Jun	0	0
Jul		
Aug		
Sep		
Oct		
Nov		
Dec		
YTD	0	0
PTD	1,374	2,792

Impacts	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	4,565,384
Anticipated Peak Demand (kW) Reduction:		
Summer	0	145
Winter	0	3,021

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$36,601
Equipment/Vendor:	\$0	\$0	\$233,200
Promotional:	\$0	\$0	\$15,714
Customer Incentives:	\$0	\$0	\$1,644,160
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$1,929,675
Lost Revenues:	\$0	\$0	\$578,492
Efficiency Incentive:	\$0	\$0	\$351,883
Maximizing Incentive:	\$0	\$0	\$17,177
Total Costs	\$0	\$0	\$2,877,227

COMMENTS:

This program was implemented to reduce residential electric consumption by replacing older, less efficient electric heating systems with high efficiency heat pumps. Customers are provided an incentive encouraging them to promote the highest efficiency equipment practical.

The program is being combined with the new Whole House Efficiency program.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Residential HVAC Diagnostic and Tune-up - Inactive
PARTICIPANT DEFINITION:	Number of Units receiving service
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2018 - October 31, 2018

New Participants	<u>Heat Pump</u>	<u>Air Conditioner</u>
Jan		
Feb		
Mar		
Apr		
May		
Jun		
Jul		
Aug		
Sep		
Oct		
Nov		
Dec		
YTD	0	0
PTD	1,910	454

Impacts	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	595,144
Anticipated Peak Demand (kW) Reduction:		
Summer	0	254
Winter	0	404

Costs	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$30,594
Equipment/Vendor:	\$0	\$0	\$108,975
Promotional:	\$0	\$0	\$15,099
Customer Incentives:	\$0	\$0	\$110,640
Administration:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$50
Total Program Costs	\$0	\$0	\$265,358
Lost Revenues:	\$0	\$1,944	\$42,682
Efficiency Incentive:	\$0	\$184	\$8,930
Maximizing Incentive:	\$0	\$0	\$8,115
Total Costs	\$0	\$2,128	\$325,085

COMMENTS:

The Residential HVAC Diagnostic and Tune-up Program provides incentives to customers for a variety of HVAC services including over and under refrigerant charge and other diagnostic performance checks on residential unitary central air conditioning and heat pump units. Central Air Conditioning units were discontinued 12/31/12.

A 2014 portfolio evaluation recommended program termination after the 2014 program year.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Pilot Residential Load Management - Inactive
PARTICIPANT DEFINITION:	Number of Switches Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2018 - October 31, 2018

New Participants	<u>A/C Switches</u>	<u>Water Heater SW</u>
Jan		
Feb		
Mar		
Apr		
May		
Jun		
Jul		
Aug		
Sep		
Oct		
Nov		
Dec		
YTD	0	0
PTD	65	52

Impacts	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	0
Anticipated Peak Demand (kW) Reduction:		
Summer	0	0
Winter	0	0

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$31,060
Equipment/Vendor:	\$0	\$0	\$293,463
Promotional:	\$0	\$0	\$12,192
Customer Incentives:	\$0	\$0	\$1,516
Other Costs:	\$0	\$0	\$696
Total Program Costs	\$0	\$0	\$338,927
Lost Revenues:	\$0	\$0	\$0
Efficiency Incentive:	\$0	\$0	\$0
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$0	\$0	\$338,927

COMMENTS:

The Pilot Residential Load Management Program will determine whether peak demand can be effectively reduced through the installation of load control devices on central air conditioners, heat pumps, and/or electric water heaters. The program was completed December 31, 2012.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Energy Fitness - Inactive
PARTICIPANT DEFINITION:	Number of Households
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2018 - October 31, 2018

New Participants	
Jan	0
Feb	0
Mar	0
Apr	0
May	0
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0
YTD	0
PTD	2,812

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	55,360,221
Anticipated Peak Demand (kW) Reduction:		
Summer	0	441
Winter	0	1,932

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	0.00	0.00	18,189.00
Equipment/Vendor:	0.00	0.00	665,964.00
Promotional:	0.00	0.00	0.00
Customer Incentives:	0.00	0.00	0.00
Other Costs:	0.00	0.00	960.00
Total Program Costs	0.00	0.00	685,113.00
Lost Revenues:	0.00	(19,322.00)	363,029.00
Efficiency Incentive:	0.00	(46,349.00)	63,482.00
Maximizing Incentive:	0.00	0.00	0.00
Total Costs	0.00	(65,671.00)	1,111,624.00

COMMENTS:

This program was discontinued May 14, 1999.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Compact Fluorescent Bulb - Inactive
PARTICIPANT DEFINITION:	Number of Bulbs Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2018 - October 31, 2018

New Participants	
Jan	0
Feb	0
Mar	0
Apr	0
May	0
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0
YTD	0
PTD	269

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	280,416
Anticipated Peak Demand (kW) Reduction:		
Summer	0	3
Winter	0	3

Costs			
	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	0.00	0.00	60.00
Equipment/Vendor:	0.00	0.00	15,021.00
Promotional:	0.00	0.00	0.00
Customer Incentives:	0.00	0.00	0.00
Other Costs:	0.00	0.00	0.00
Total Program Costs	0.00	0.00	15,081.00
Lost Revenues:	0.00	25.00	1,605.00
Efficiency Incentive:	0.00	8.00	433.00
Maximizing Incentive:	0.00	0.00	0.00
Total Costs	0.00	33.00	17,119.00

COMMENTS:

This program was discontinued December 31, 1996

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	High Efficiency Heat Pumps Retro - Inactive
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2018 - October 31, 2018

New Participants	<u>Resistance</u>	<u>Non Resistance</u>
Jan	0	0
Feb	0	0
Mar	0	0
Apr	0	0
May	0	0
Jun	0	0
Jul	0	0
Aug	0	0
Sep	0	0
Oct	0	0
Nov	0	0
Dec	0	0
YTD	0	0
PTD	1,367	929

Impacts	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	71,026,985
Anticipated Peak Demand (kW) Reduction:		
Summer	0	851
Winter	0	2,995

Costs	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	0.00	0.00	12,885.00
Equipment/Vendor:	0.00	0.00	129,767.00
Promotional:	0.00	0.00	0.00
Customer Incentives:	0.00	0.00	70,500.00
Other Costs:	0.00	0.00	1,160.00
Total Program Costs	0.00	0.00	214,312.00
Lost Revenues:	0.00	(269.00)	368,960.00
Efficiency Incentive:	0.00	(2,196.00)	48,017.00
Maximizing Incentive:	0.00	0.00	5.00
Total Costs	0.00	(2,465.00)	631,294.00

COMMENTS:

This program was discontinued December 31, 2001.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	General Commercial Administrative
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2018 - October 31, 2018

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Administrative	\$0	\$0	\$233,789
Promotion	\$0	\$0	\$57,289
Other	\$0	\$0	\$0
Total Costs	\$0	\$0	\$291,078

COMMENTS:

Administrative expense represents Market Potential Study and program design services which began Fall 2014. The category will continue to reflect portfolio expenses related to Evaluation, Measurement and Verification work.

The expense forecast for 2018 is \$0.
 The expense forecast for 2019 is \$0.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Commercial Appliance Recycling
PARTICIPANT DEFINITION:	Number of Units Recycled
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2018 - October 31, 2018

New Recycled Units	<u>Refrigerator</u>	<u>Freezer</u>
Jan	0	0
Feb	0	0
Mar	0	0
Apr	0	0
May	0	0
Jun	0	0
Jul	0	0
Aug	0	0
Sep	0	0
Oct	0	0
Nov	0	0
Dec	0	0
YTD	0	0
PTD	0	0

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	0
Anticipated Peak Demand (kW) Reduction:		
Summer	0	0
Winter	0	0

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$0
Equipment/Vendor:	\$0	\$0	\$0
Promotional:	\$0	\$0	\$0
Customer Incentives:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$0
Lost Revenues:	\$0	\$0	\$0
Efficiency Incentive:	\$0	\$0	\$0
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$0	\$0	\$0

COMMENTS:

The Appliance Recycling program provides incentives to customer who recycle a working second refrigerator or freezer that is in the home. The components of the unit are recycled in an environmentally friendly manner.

The program was proposed for the 2017 program year.

The participant and expense forecast for 2018 is 0 and \$0, respectively.

The participant and expense forecast for 2019 is 0 and \$0, respectively.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	CI Prescriptive Custom
PARTICIPANT DEFINITION:	Number of Participants Projects Installed
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2018 - October 31, 2018

New Participants	<u>Projects Installed</u>
Jan	31
Feb	38
Mar	7
Apr	24
May	0
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0
YTD	100
PTD	594

Impacts	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	1,955,390	11,546,739
Anticipated Peak Demand (kW) Reduction:		
Summer	375	2,218
Winter	346	2,040

Costs	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$738	\$0	\$64,981
Equipment/Vendor:	\$113,912	\$0	\$1,702,975
Promotional:	\$0	\$0	\$29,180
Customer Incentives:	\$567,487	\$0	\$2,325,497
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$682,137	\$0	\$4,122,633
Lost Revenues:	\$164,706	\$0	\$1,293,762
Efficiency Incentive:	\$63,152	\$0	\$363,564
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$909,995	\$0	\$5,779,959

COMMENTS:

The Commercial Incentive program offers energy savings for all commercial business customers through promotion of high efficiency electric lighting, HVAC, pumps, and motors. Primary objectives include; increasing the market share and installation rate of high efficiency technologies, and improving the operating efficiencies of existing long life equipment for commercial customers.

The 2018 participant and expense forecast is 100 and \$682,137, respectively.
 The 2019 participant and expense forecast is 0 and \$0, respectively.

A Commission order for case no. 2017-00097 terminated this program in 2017.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	School Energy Manager Program
PARTICIPANT DEFINITION:	School District Participation
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2018 - October 31, 2018

Participating Schools	<u>Districts</u>
Jan	17
Feb	17
Mar	17
Apr	17
May	17
Jun	17
Jul	0
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	271,391	1,628,293
Anticipated Peak Demand (kW) Reduction:		
Summer	96	548
Winter	96	787

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$146	\$0	\$12,882
Equipment/Vendor:	\$0	\$0	\$400,000
Promotional:	\$0	\$0	\$0
Customer Incentives:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$146	\$0	\$412,882
Lost Revenues:	\$0	\$0	\$113,490
Efficiency Incentive:	\$0	\$0	\$2,594
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$146	\$0	\$528,966

COMMENTS:

The first phase of the School Energy Manager program was not expensed to DSM. The first phase consisted of a total of eight potential school districts that could participate with the program. The following five school districts participated in 2014: Carter, Johnson, Martin, Lawrence, and Paintsville.

The second phase of the program expands to include a potential of 23 school districts beginning July 2015. The DSM program budget for the 2nd phase of the program will be \$200,000. Actual school district start date and participation is dependent on the school district contractual agreement with Kentucky School Board Association (KSBA).

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Express Install
PARTICIPANT DEFINITION:	Completed Customer Project
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2018 - October 31, 2018

Participation:	<u>Completed Projects</u>
Jan	0
Feb	0
Mar	0
Apr	0
May	0
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0
YTD	0
PTD	114

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	2,200,665
Anticipated Peak Demand (kW) Reduction:		
Summer	0	359
Winter	0	359

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$283	\$0	\$24,916
Equipment/Vendor:	\$0	\$0	\$36,674
Promotional:	\$0	\$0	\$13,482
Customer Incentives:	\$0	\$0	\$683,326
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$283	\$0	\$758,398
Lost Revenues:	\$0	\$0	\$208,781
Efficiency Incentive:	\$0	\$0	\$6,741
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$283	\$0	\$973,920

COMMENTS:

The program offers small commercial customers an energy assessment that includes information on potential energy savings and anticipated payback. Incentives are available for up to 70% of the equipment and installation cost. The program strategy includes three components:

1. Walk-Through Audit
2. Direct Installation of Measures
3. Customer Education

The participant and expense forecast for 2018 is 0 customer projects and \$283.
 The participant and expense forecast for 2019 is 0 customer projects and \$0.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	New Construction
PARTICIPANT DEFINITION:	Completed Customer Project
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2018 - October 31, 2018

Participation:	<u>Completed Projects</u>
Jan	2
Feb	1
Mar	3
Apr	4
May	1
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0
YTD	11
PTD	35

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	324,035	1,030,823
Anticipated Peak Demand (kW) Reduction:		
Summer	88	280
Winter	55	175

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$51	\$0	\$4,529
Equipment/Vendor:	\$3,555	\$0	\$106,527
Promotional:	\$0	\$0	\$4,554
Customer Incentives:	\$59,195	\$0	\$139,045
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$62,801	\$0	\$254,655
Lost Revenues:	\$25,046	\$0	\$102,860
Efficiency Incentive:	\$8,433	\$0	\$23,931
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$96,280	\$0	\$381,446

COMMENTS:

The program encourages decision-makers in new construction and major reovation projects to incorporate greater energy efficiency into their building design and construction practices. Participation includes two components:

1. Whole Building Approach
2. Systems Approach

The participant and expense forecast for 2018 is 11 customer projects and \$62,801. The participant and expense forecast for 2019 is 0 customer projects and \$0.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Retro-Commissioning
PARTICIPANT DEFINITION:	Customer Project
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2018 - October 31, 2018

Participation:	<u>Completed Projects</u>
Jan	0
Feb	0
Mar	0
Apr	0
May	0
Jun	0
Jul	0
Aug	0
Sep	0
Oct	0
Nov	0
Dec	0
YTD	0
PTD	0

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	0
Anticipated Peak Demand (kW) Reduction:		
Summer	0	0
Winter	0	0

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$148	\$0	\$13,030
Equipment/Vendor:	\$0	\$0	\$56,714
Promotional:	\$0	\$0	\$3,861
Customer Incentives:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$148	\$0	\$73,605
Lost Revenues:	\$0	\$0	\$0
Efficiency Incentive:	\$0	\$0	\$0
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$148	\$0	\$73,605

COMMENTS:

The program provides a study to optimize customer's building automation systems. Eligible customers receive one of the following fully funded studies based upon the building size:

1. RCx Lite: Buildings with 50,000 and 150,000 square feet and 150 to 500 kW peak demand.
2. RCx Standard: Buildings larger than 150,000 square feet and with greater than 500 kW peak demand.

This program was recommended to be discontinued. The 2018 budget includes Evaluation expenses.

The participant and expense forecast for 2018 is 0 customer projects and \$148. The participant and expense forecast for 2019 is 0 customer projects and \$0.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Commercial High Efficiency HP/AC
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2018 - October 31, 2018

New Participants		<u>Heat Pump</u>	<u>Air Conditioner</u>
Jan		0	0
Feb		0	0
Mar		0	0
Apr		0	0
May		0	0
Jun		0	0
Jul			
Aug			
Sep			
Oct			
Nov			
Dec			
YTD		0	0
PTD		80	4

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	54,646
Anticipated Peak Demand (kW) Reduction:		
Summer	0	25
Winter	0	34

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$28,806
Equipment/Vendor:	\$0	\$0	\$3,950
Promotional:	\$0	\$0	\$25,745
Customer Incentives:	\$0	\$0	\$33,400
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$91,901
Lost Revenues:	\$0	\$0	\$4,724
Efficiency Incentive:	\$0	\$0	\$1,224
Maximizing Incentive:	\$0	\$0	\$3,335
Total Costs	\$0	\$0	\$101,184

COMMENTS:

The Commercial High Efficiency Heat Pump/Air Conditioner program offers financial incentive to small commercial customers (< 100 kW demand) who upgrade to a new qualifying central air conditioner or heat pump with a Consortium for Energy Efficiency (CEE) rating. Applicable for 5 ton units or less.

The program was completed in 2015. Some residual program expenses were paid in 2016.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Commercial Incentive - Inactive
PARTICIPANT DEFINITION:	Number of Participants Projects Installed
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2018 - October 31, 2018

New Participants	<u>Projects Installed</u>
Jan	0
Feb	0
Mar	0
Apr	0
May	0
Jun	0
Jul	
Aug	
Sep	
Oct	
Nov	
Dec	
YTD	0
PTD	793

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	9,768,967
Anticipated Peak Demand (kW) Reduction:		
Summer	0	3,007
Winter	0	2,966

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$142,391
Equipment/Vendor:	\$0	\$0	\$2,239,695
Promotional:	\$0	\$0	\$77,393
Customer Incentives:	\$0	\$0	\$2,285,384
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$4,744,863
Lost Revenues:	\$0	\$0	\$1,761,578
Efficiency Incentive:	\$0	\$0	\$315,014
Maximizing Incentive:	\$0	\$0	\$102,031
Total Costs	\$0	\$0	\$6,923,486

COMMENTS:

The Commercial Incentive program offers energy savings for all commercial business customers through promotion of high efficiency electric lighting, HVAC, pumps, and motors. Primary objectives include; increasing the market share and installation rate of high efficiency technologies, and improving the operating efficiencies of existing long life equipment for commercial customers.

This program was modified in 2016 to include only prescriptive and custom services. Some residual 2105 program expense were paid in 2016. The new program design added the Commercial New Construction program, the Commercial Express Install program, and the Commercial Retro-Commissioning program.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Commercial HVAC Diagnostic and Tune-up - Inactive
PARTICIPANT DEFINITION:	Number of Units receiving service
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2018 - October 31, 2018

New Participants		
	<u>Heat Pump</u>	<u>Air Conditioner</u>
Jan	0	0
Feb	0	0
Mar	0	0
Apr	0	0
May	0	0
Jun	0	0
Jul		
Aug		
Sep		
Oct		
Nov		
Dec		
YTD	0	0
PTD	242	84

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	141,188
Anticipated Peak Demand (kW) Reduction:		
Summer	0	74
Winter	0	101

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$26,347
Equipment/Vendor:	\$0	\$0	\$14,525
Promotional:	\$0	\$0	\$13,177
Customer Incentives:	\$0	\$0	\$21,450
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$75,499
Lost Revenues:	\$0	\$0	\$9,800
Efficiency Incentive:	\$0	\$0	\$3,496
Maximizing Incentive:	\$0	\$0	\$2,415
Total Costs	\$0	\$0	\$91,210

COMMENTS:

The Commercial HVAC Diagnostic and Tune-up Program provides a variety of HVAC services, including diagnostic performance checks on commercial unitary central air conditioning and heat pump units.

The Equipment / Vendor cost include the cost of incentives for participating HVAC dealers promotion of the program. Central Air Conditioning units were discontinued 12/31/12.

The 2014 portfolio evaluation recommended program termination after the 2014 program year.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Pilot Commercial Load Management - Inactive
PARTICIPANT DEFINITION:	Number of Switches Installed
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2018 - October 31, 2018

New Participants	<u>Heat Pump</u>	<u>Air Conditioner</u>
Jan		
Feb		
Mar		
Apr		
May		
Jun		
Jul		
Aug		
Sep		
Oct		
Nov		
Dec		
YTD	0	0
PTD	0	0

Impacts	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	0
Anticipated Peak Demand (kW) Reduction:		
Summer	0	0
Winter	0	0

Costs	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Description			
Total Evaluation	\$0	\$0	\$17,939
Equipment/Vendor:	\$0	\$0	\$30,000
Promotional:	\$0	\$0	\$240
Customer Incentives:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$48,179
Lost Revenues:	\$0	\$0	\$0
Efficiency Incentive:	\$0	\$0	\$0
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$0	\$0	\$48,179

COMMENTS:

The Pilot Commercial Load Management Program will determine whether peak demand can be effectively reduced through the installation of load control devices on central air conditioners, heat pumps, and/or electric water heaters. The pilot program was completed December 31, 2012.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Smart Audit - Commercial - Inactive
PARTICIPANT DEFINITION:	Number of Audits
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2018 - October 31, 2018

New Participants	<u>Class I</u>	<u>Class II</u>
Jan	0	0
Feb	0	0
Mar	0	0
Apr	0	0
May	0	0
Jun	0	0
Jul	0	0
Aug	0	0
Sep	0	0
Oct	0	0
Nov	0	0
Dec	0	0
YTD	0	0
PTD	1,952	194

Impacts	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	n/a	n/a
Anticipated Peak Demand (kW) Reduction:		
Summer	n/a	n/a
Winter	n/a	n/a

Costs	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	0.00	0.00	30,661.00
Equipment/Vendor:	0.00	0.00	1,268,176.00
Promotional:	0.00	0.00	0.00
Customer Incentives:	0.00	0.00	0.00
Other Costs:	0.00	0.00	(8,156.00)
Total Program Costs	0.00	0.00	1,290,681.00
Lost Revenues:	0.00	0.00	0.00
Efficiency Incentive:	0.00	0.00	0.00
Maximizing Incentive:	0.00	0.00	64,533.00
Total Costs	0.00	0.00	1,355,214.00

COMMENTS:

This program was discontinued December 31, 2002.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Smart Incentive - Commercial - Inactive
PARTICIPANT DEFINITION:	Number of Incentives
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2018 - October 31, 2018

New Participants	<u>Existing Building</u>	<u>New Building</u>
Jan	0	0
Feb	0	0
Mar	0	0
Apr	0	0
May	0	0
Jun	0	0
Jul	0	0
Aug	0	0
Sep	0	0
Oct	0	0
Nov	0	0
Dec	0	0
YTD	0	0
PTD	182	69

Impacts	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	125,682,085
Anticipated Peak Demand (kW) Reduction:		
Summer	0	1,519
Winter	0	2,640

Costs	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	0.00	0.00	144,039.00
Equipment/Vendor:	0.00	0.00	21,504.00
Promotional:	0.00	0.00	0.00
Customer Incentives:	0.00	0.00	399,592.00
Other Costs:	0.00	0.00	691.00
Total Program Costs	0.00	0.00	565,826.00
Lost Revenues:	0.00	442.00	891,458.00
Efficiency Incentive:	0.00	1,078.00	88,039.00
Maximizing Incentive:	0.00	0.00	281.00
Total Costs	0.00	1,520.00	1,545,604.00

COMMENTS:

This program was discontinued December 31, 2002.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Smart Audit - Industrial - Inactive
PARTICIPANT DEFINITION:	Number of Audits
CUSTOMER SECTOR:	Industrial
REPORTING PERIOD:	January 1, 2018 - October 31, 2018

New Participants	<u>Class I</u>	<u>Class II</u>
Jan	0	0
Feb	0	0
Mar	0	0
Apr	0	0
May	0	0
Jun	0	0
Jul	0	0
Aug	0	0
Sep	0	0
Oct	0	0
Nov	0	0
Dec	0	0
YTD	0	0
PTD	60	4

Impacts	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	n/a	n/a
Anticipated Peak Demand (kW) Reduction:		
Summer	n/a	n/a
Winter	n/a	n/a

Costs	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	0.00	0.00	5,741.00
Equipment/Vendor:	0.00	0.00	37,786.00
Promotional:	0.00	0.00	0.00
Customer Incentives:	0.00	0.00	0.00
Other Costs:	0.00	0.00	161.00
Total Program Costs	0.00	0.00	43,688.00
Lost Revenues:	0.00	0.00	0.00
Efficiency Incentive:	0.00	0.00	0.00
Maximizing Incentive:	0.00	0.00	2,186.00
Total Costs	0.00	0.00	45,874.00

COMMENTS:

This program was discontinued December 31, 1998.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Smart Incentive - Industrial - Inactive
PARTICIPANT DEFINITION:	Number of Incentives
CUSTOMER SECTOR:	Industrial
REPORTING PERIOD:	January 1, 2018 - October 31, 2018

New Participants			
	<u>General</u>	<u>Compressed Air</u>	
Jan	0	0	
Feb	0	0	
Mar	0	0	
Apr	0	0	
May	0	0	
Jun	0	0	
Jul	0	0	
Aug	0	0	
Sep	0	0	
Oct	0	0	
Nov	0	0	
Dec	0	0	
YTD	0	0	
PTD	1	0	

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	170,525
Anticipated Peak Demand (kW) Reduction:		
Summer	0	6
Winter	0	6

Costs			
	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	0.00	0.00	28,385.00
Equipment/Vendor:	0.00	0.00	3,288.00
Promotional:	0.00	0.00	0.00
Customer Incentives:	0.00	0.00	441.00
Other Costs:	0.00	0.00	0.00
Total Program Costs	0.00	0.00	32,114.00
Lost Revenues:	0.00	0.00	0.00
Efficiency Incentive:	0.00	0.00	383.00
Maximizing Incentive:	0.00	0.00	655.00
Total Costs	0.00	0.00	33,152.00

COMMENTS:

This program was discontinued December 31, 1998.

KENTUCKY POWER COMPANY

P.S.C. KY. NO. 11 1st Revised SHEET NO. 22-1
CANCELLING P.S.C. KY. NO. 11 ORIGINAL SHEET NO. 22-1

TARIFF D.S.M.C.
(Demand-Side Management Adjustment Clause)

APPLICABLE.

To Tariffs R.S., R.S.D., R.S.-L.M.-T.O.D., R.S.-T.O.D., Experimental R.S.-T.O.D. 2, G.S., S.G.S.-T.O.D., M.G.S.-T.O.D., L.G.S., L.G.S.-T.O.D., I.G.S., C.S.-I.R.P., C.S.-Coal, and M.W.,

RATE.

1. The Demand-Side Management (DSM) clause shall provide for periodic adjustment per KWH of sales equal to the DSM costs per KWH by customer sector according to the following formula:

$$\text{Adjustment Factor} = \frac{\text{DSM (c)}}{\text{S(c)}}$$

Where DSM is the cost by customer sector of demand-side management programs, net lost revenues, incentives, and any over/under recovery balances; (c) is customer sector; and S is the adjusted KWH sales by customer sector.

2. Demand-Side Management (DSM) costs shall be the most recent forecasted cost plus any over/under recovery balances recorded at the end of the previous period.
 - a. Program costs are any costs the Company incurred associated with demand-side management which were approved by the Kentucky Power Company DSM Collaborative. Examples of costs to be included are contract services, allowances, promotion, expenses, evaluation, lease expense, etc. by customer sector.
 - b. Net lost revenues are the calculated net lost revenues by customer sector resulting from the implementation of the DSM programs.
 - c. Incentives are a shared-savings incentive plan consisting of one of the following elements: The efficiency incentive, which is defined as 15 percent of the estimated net savings associated with the programs. Estimated net savings are calculated based on the California Standard Practice Manual's definition of the Total Resources Cost (TRC) test, or the maximizing incentive which is defined as 5 percent of actual program expenditures if program savings cannot be measured.
 - d. Over/ Under recovery balances are the total of the differences between the following:
 - (i) the actual program costs incurred versus the program costs recovered through DSM adjustment clause, and
 - (ii) the calculated net lost revenues realized versus the net lost revenues recovered through the DSM adjustment clause, and
 - (iii) the calculated incentive to be recovered versus the incentive recovered through the DSM adjustment clause.
3. Sales (S) shall be the total ultimate KWH sales by customer sector less non-metered, opt-out and lost revenue impact KWHs by customer sector.
4. The provisions of the Demand-Side Management Adjustment Clause will be effective for the period ending December 31, 2019. T
(Cont'd on Sheet No. 22-2)

DATE OF ISSUE: XXXX, XX, XXXX

DATE EFFECTIVE: Service Rendered On And After January 1, 2019

ISSUED BY: /s/ Matthew A. Horeled

TITLE: Director, Regulatory Services

By Authority Of an Order of the Public Service Commission

In Case No. 2018-00377 Dated XXXX, XX, XXXX

KENTUCKY POWER COMPANY

P.S.C. KY. NO. 11 1st Revised SHEET NO. 22-2
CANCELLING P.S.C. KY. NO. 11 ORIGINAL SHEET NO. 22-2

**TARIFF D.S.M.C.
(DEMAND-SIDE MANAGEMENT ADJUSTMENT CLAUSE) (Cont'd.)**

RATE. (Cont'd.)

5. The DSM adjustment shall be filed with the Commission ten (10) days before it is scheduled to go into effect, along with all the necessary supporting data to justify the amount of the adjustments, which shall include data, and information as may be required by the Commission.
6. Copies of all documents required to be filed with the Commission under this regulation shall be open and made available for public inspection at the office of the Public Service Commission pursuant to the provisions of KRS 61.870 to 61.884.
7. The resulting range for each customer sector per KWH during the three-year Experimental Demand-Side Management Plan is as follows:

	<u>CUSTOMER SECTOR</u>			
	<u>RESIDENTIAL</u>	<u>COMMERCIAL</u>	<u>INDUSTRIAL*</u>	
DSM (c)	\$(1,097,763)	\$(27,086)	- 0 -	T ↓
S (c)	1,996,649,216	1,248,708,779	- 0 -	
Adjustment Factor	\$(0.000550)	\$(0.000022)	- 0 -	IR

Deleted: 1,044,787
Deleted: 213

Deleted: 000523

* The Industrial Sector has been discontinued pursuant to the Commission's Order dated September 28, 1999.

PROGRAM DESCRIPTIONS.

The D.S.M.C. program availability, program, rate, and equipment descriptions follow:

(Cont'd on Sheet No. 22-3)

DATE OF ISSUE: XXXX, XX, XXXX

DATE EFFECTIVE: Service Rendered On And After January 19, 2019

ISSUED BY: /s/ Matthew A. Horeled

TITLE: Director, Regulatory Services

By Authority Of an Order of the Public Service Commission

In Case No. 2017-00377 Dated XXXX, XX, XXXX

KENTUCKY POWER COMPANY

P.S.C. KY. NO. 11 1st Revised SHEET NO. 22-1
CANCELLING P.S.C. KY. NO. 11 ORIGINAL SHEET NO. 22-1

TARIFF D.S.M.C.
(Demand-Side Management Adjustment Clause)

APPLICABLE.

To Tariffs R.S., R.S.D., R.S.-L.M.-T.O.D., R.S.-T.O.D., Experimental R.S.-T.O.D. 2, G.S., S.G.S.-T.O.D., M.G.S.-T.O.D., L.G.S., L.G.S.-T.O.D., I.G.S., C.S.-I.R.P., C.S.-Coal, and M.W.,

RATE.

1. The Demand-Side Management (DSM) clause shall provide for periodic adjustment per KWH of sales equal to the DSM costs per KWH by customer sector according to the following formula:

$$\text{Adjustment Factor} = \frac{\text{DSM (c)}}{S(c)}$$

Where DSM is the cost by customer sector of demand-side management programs, net lost revenues, incentives, and any over/under recovery balances; (c) is customer sector; and S is the adjusted KWH sales by customer sector.

2. Demand-Side Management (DSM) costs shall be the most recent forecasted cost plus any over/under recovery balances recorded at the end of the previous period.
 - a. Program costs are any costs the Company incurred associated with demand-side management which were approved by the Kentucky Power Company DSM Collaborative. Examples of costs to be included are contract services, allowances, promotion, expenses, evaluation, lease expense, etc. by customer sector.
 - b. Net lost revenues are the calculated net lost revenues by customer sector resulting from the implementation of the DSM programs.
 - c. Incentives are a shared-savings incentive plan consisting of one of the following elements: The efficiency incentive, which is defined as 15 percent of the estimated net savings associated with the programs. Estimated net savings are calculated based on the California Standard Practice Manual's definition of the Total Resources Cost (TRC) test, or the maximizing incentive which is defined as 5 percent of actual program expenditures if program savings cannot be measured.
 - d. Over/ Under recovery balances are the total of the differences between the following:
 - (i) the actual program costs incurred versus the program costs recovered through DSM adjustment clause, and
 - (ii) the calculated net lost revenues realized versus the net lost revenues recovered through the DSM adjustment clause, and
 - (iii) the calculated incentive to be recovered versus the incentive recovered through the DSM adjustment clause.
3. Sales (S) shall be the total ultimate KWH sales by customer sector less non-metered, opt-out and lost revenue impact KWHs by customer sector.
4. The provisions of the Demand-Side Management Adjustment Clause will be effective for the period ending December 31, 2019. T

(Cont'd on Sheet No. 22-2)

DATE OF ISSUE: XXXX, XX, XXXX

DATE EFFECTIVE: Service Rendered On And After January 1, 2019

ISSUED BY: /s/ Matthew A. Horeled

TITLE: Director, Regulatory Services

By Authority Of an Order of the Public Service Commission

In Case No. 2018-00377 Dated XXXX, XX, XXXX

**TARIFF D.S.M.C.
(DEMAND-SIDE MANAGEMENT ADJUSTMENT CLAUSE) (Cont'd.)**

RATE. (Cont'd.)

5. The DSM adjustment shall be filed with the Commission ten (10) days before it is scheduled to go into effect, along with all the necessary supporting data to justify the amount of the adjustments, which shall include data, and information as may be required by the Commission.
6. Copies of all documents required to be filed with the Commission under this regulation shall be open and made available for public inspection at the office of the Public Service Commission pursuant to the provisions of KRS 61.870 to 61.884.
7. The resulting range for each customer sector per KWH during the three-year Experimental Demand-Side Management Plan is as follows:

CUSTOMER SECTOR

	<u>RESIDENTIAL</u>	<u>COMMERCIAL</u>	<u>INDUSTRIAL*</u>	
<u>DSM (c)</u>	\$(1,097,763)	\$(27,086)	- 0 -	T
S (c)	1,996,649,216	1,248,708,779	- 0 -	↓
Adjustment Factor	\$ (0.000550)	\$ (0.000022)	- 0 -	IR

* The Industrial Sector has been discontinued pursuant to the Commission's Order dated September 28, 1999.

PROGRAM DESCRIPTIONS.

The D.S.M.C. program availability, program, rate, and equipment descriptions follow:

(Cont'd on Sheet No. 22-3)

DATE OF ISSUE: XXXX, XX, XXXX

DATE EFFECTIVE: Service Rendered On And After January 19, 2019

ISSUED BY: /s/ Matthew A. Horeled

TITLE: Director, Regulatory Services

By Authority Of an Order of the Public Service Commission

In Case No. 2017-00377 Dated XXXX, XX, XXXX