

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 Associated) Case No. 2020-00362
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, 2021 of Kentucky Power Company’s Targeted Energy Efficiency Program (“TEE” Program”); (2) approving the Company’s recovery through its Demand-Side Management Adjustment 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”) program 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 6, 2020 Certificate of Existence is filed as **Exhibit 1** to this Application.

2. The post office address of Kentucky Power is 1645 Winchester Avenue, 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 165,000 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 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

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) ("DSM Investigation").

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

additional generation to serve its load.”⁴ The TEE Program targets income-eligible residential customers.

5. By order dated December 12, 2019 in Case No. 2019-00410,⁵ and consistent with the Commission’s January 18, 2018 Order in the DSM Investigation, the Commission approved continuation of the Company’s TEE Program through December 31, 2019.

DSM/EE PROGRAM OPERATIONS

6. Year-to-date through September 30, 2020, the Company collected \$288,266.11 through the DSM factor. For the same period, Kentucky Power’s DSM program costs, incentive payments, and realized lost revenues totaled \$353,145.

7. A copy of the Company’s 2020 DSM/EE Status Report is attached as **Exhibit 2**.

8. Kentucky Power’s TEE Program is administered in conformity with the Company’s tariff.⁶

THE PROPOSED CONTINUATION OF THE TEE PROGRAM AND PROPOSED TARIFF MODIFICATIONS

9. Kentucky Power seeks authority to continue the existing TEE Program, without modification, through December 31, 2021.

10. Kentucky Power also seeks approval to decrease the TEE Program’s budget from its current level of \$ \$326,800 to \$274,400 in 2021. As detailed in the Direct Testimony of Scott E. Bishop, which accompanies this Application, the requested budget decrease reflects a reduction in the number of projects completed in 2020 and expected to be completed in 2021 due

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

⁵ *In the Matter Of: 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 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*, Order at 4, Case No. 2019-00410 (Ky. P.S.C. Dec. 12, 2019).

⁶ P.S.C. Ky. No. 11 Original Sheet No. 22-3.

to the COVID-19 pandemic. The requested budget will allow for 104 participants in the program in 2021. The estimated budget for the TEE Program is attached as **Exhibit 3**.

11. The projected net energy and demand savings for the TEE Program are provided in **Exhibit 2**.

12. 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 Adjustment Clause (Tariff Sheets 22-1 and 22-2). A copy of the Company's amended Tariff Sheet Nos. 22-1 and 22-2 is attached as **Exhibit 4**.

13. To permit recovery of program costs, lost revenues, and incentives, Kentucky Power proposes to decrease the residential DSM surcharge factor from \$0.000187 per kWh to \$0.000131 per kWh and to decrease the commercial DSM surcharge factor from \$0.000134 per kWh to \$0.000018 per kWh.

14. The Company's proposed DSM surcharge factors for 2021 are necessary to collect 2021 TEE program expenses and recover Commission-approved Net Lost Revenues for the former residential and commercial DSM programs that concluded in 2018.⁷ Support for the calculation of the proposed DSM surcharge factors is provided in **Exhibit 5**.

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

16. Kentucky Power proposes to amend Tariff Sheets 22-1 and 22-2 to reflect the updated factors.

⁷ DSM Investigation, Order at 15-16 (Ky. P.S.C. Jan. 18, 2018).

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

TESTIMONY

18. The testimony of Scott E. Bishop is filed in support of this Application.

EXHIBITS

19. The exhibits listed in the Appendix to this Application are attached to or filed with this Application, and are made a part of this Application.

COMMUNICATIONS

20. Kentucky Power respectfully requests that communications in this matter be addressed to the e-mail addresses identified on Kentucky Power's October 30, 2020 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, 2021;

(2) approving the modification of Kentucky Power Company's residential DSM factor to \$0.000131 per kWh and its commercial DSM factor to \$0.000018 per kWh to permit the Company's recovery through its Demand-Side Management Adjustment Clause of its full costs, including lost revenues and incentives, associated with the Company's DSM/EE portfolio;

(3) amending 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,

/s/ Mark R. Overstreet

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COUNSEL FOR KENTUCKY POWER
COMPANY

Exhibits

- EXHIBIT 1: November 6, 2020 “Certificate of Existence” for Kentucky Power Company issued by the Secretary of State of the Commonwealth of Kentucky
- EXHIBIT 2: 2019 and 2020 DSM/EE Status Reports
- EXHIBIT 3: 2021 Targeted Energy Efficiency Program Budget
- EXHIBIT 4: Proposed Form Tariff Sheet Nos. 22-1 and 22-2 (red-lined and clean versions)
- EXHIBIT 5: “Schedule C”

**Commonwealth of Kentucky
Michael G. Adams, Secretary of State**

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

Certificate of Existence

Authentication number: 238091
Visit <https://web.sos.ky.gov/ftshow/certvalidate.aspx> to authenticate this certificate.

I, Michael G. Adams, 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 6th day of November, 2020, in the 229th year of the Commonwealth.



Michael G. Adams

Michael G. Adams
Secretary of State
Commonwealth of Kentucky
238091/0028317

KENTUCKY POWER COMPANY
Demand Side Management
Status Report
 As of December 31, 2019

INDEX

PAGE	DESCRIPTION
1	Definitions
2	Summary Information (All Programs)
3	Summary Energy/Demand Information (All Programs)
 <u>DSM Programs:</u> 	
Residential Programs	
4	Targeted Energy Efficiency
5	Whole House Efficiency
6	General Residential Administrative - Inactive
7	Community Outreach Compact Fluorescent Lamp (CFL) - Inactive
8	Energy Education for Students - Inactive
9	Home Performance - Inactive
10	Residential Efficient Products - Inactive
11	Appliance Recycling - Inactive
12	New Manufactured Homes - Inactive
13	High Efficiency Heat Pump - Mobile Home - Inactive
14	Mobile Home New Construction - Inactive
15	Modified Energy Fitness Program - Inactive
16	High Efficiency Heat Pump - Inactive
17	Residential HVAC Diagnostic and Tune-up - Inactive
18	Pilot Residential Load Management - Inactive
19	Energy Fitness - Inactive
20	Compact Fluorescent Bulb - Inactive
21	High Efficiency Heat Pump Retrofit - Inactive
 Commercial Programs	
22	CI Prescriptive / Custom
23	New Construction
24	General Commercial Administrative - Inactive
25	Commercial Appliance Recycling - Inactive
26	School Energy Manager - Inactive
27	Express Install - Inactive
28	Retro-Commissioning - Inactive
29	High Efficiency Heat Pump/Air Conditioner - Inactive
30	Commercial Incentive - Inactive
31	Commercial HVAC Diagnostic and Tune-up - Inactive
32	Pilot Commercial Load Management - Inactive
33	Smart Audit - Inactive
34	Smart Incentive - Inactive
 Industrial Programs	
35	Smart Audit - Inactive
36	Smart Incentive - Inactive

DEFINITIONS

- 1) YTD Costs - Year-to-Date costs recorded through December 31, 2019.
- 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, 2019
- 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, 2019.

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 1/1/2019 to 12/31/2019 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, 2019

DESCRIPTION	YTD	PTD
Total Revenue Collected	<u>(\$1,081,615)</u>	<u>\$63,408,121</u>
Total Program Costs	\$284,800	\$42,767,492
Total Lost Revenues	\$291,833	\$15,941,731
Total Efficiency / Maximizing Incentive	\$2,168	\$4,512,776
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, 2019	<u>\$578,801</u>	<u>\$63,296,667</u>

KENTUCKY POWER COMPANY
SUMMARY INFORMATION (ALL PROGRAMS)
 As of December 31, 2019

DESCRIPTION	YTD		PTD	
Actual In-Place Energy Savings:	179,731	kWh	703,074,587	kWh
w/ T&D Line Losses:	195,188	kWh	766,141,221	kWh
Total kW Reductions:				
Winter	56	kW	45,312	kW
w/ T&D Line Losses:	63	kW	50,006	kW
Summer	28	kW	24,600	kW
w/ T&D Line Losses:	31	kW	27,266	kW

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Targeted Energy Efficiency
PARTICIPANT DEFINITION:	Number of Households
CUSTOMER SECTOR:	Residential - Low Income
REPORTING PERIOD:	January 1, 2019 - December 31, 2019

New Participants		
	<u>All Electric</u>	<u>Non All Electric</u>
Jan	4	0
Feb	5	0
Mar	9	0
Apr	7	0
May	6	0
Jun	13	0
Jul	7	0
Aug	6	1
Sep	4	0
Oct	1	1
Nov	4	0
Dec	3	0
YTD	69	2
PTD	4,132	1,137

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	195,188	91,520,019
Anticipated Peak Demand (kW) Reduction:		
Summer	31	1,163
Winter	63	3,564

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$320,366
Equipment/Vendor:	\$284,800	\$0	\$5,332,252
Promotional:	\$0	\$0	\$0
Customer Incentives:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$9,553
Total Program Costs	\$284,800	\$0	\$5,662,171
Lost Revenues:	\$20,326	\$1,944	\$1,083,256
Efficiency Incentive:	\$2,168	\$184	\$193,153
Maximizing Incentive:	\$0	\$0	\$123,617
Total Costs	\$307,294	\$2,128	\$7,062,197

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 2019 is 129 homes and \$284,800, respectively. The participant and expense forecast for 2020 is 134 homes and \$326,800, respectively.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Whole House Efficiency
PARTICIPANT DEFINITION:	Participants
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2019 - December 31, 2019

Audits & Rebates:	<u>Single Family</u>	<u>Multi-Family</u>	<u>Weatherization</u>	<u>HVAC</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	2,852	375	35	1,206

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	5,065,262
Anticipated Peak Demand (kW) Reduction:		
Summer	0	707
Winter	0	1,307

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$93,071
Equipment/Vendor:	\$0	\$0	\$2,247,964
Promotional:	\$0	\$0	\$378,404
Customer Incentives:	\$0	\$0	\$435,414
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$3,154,853
Lost Revenues:	\$2,561	\$0	\$307,623
Efficiency Incentive:	\$0	\$0	\$150,223
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$2,561	\$0	\$3,612,699

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 2019 is 0 home audits, 0 weatherization and 0 HVAC rebates and \$0, respectively.

A Commission order for case no. 2017-00097 terminated this program in 2018.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION

PROGRAM:	General Residential Administrative - Inactive
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2019 - December 31, 2019

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.

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Community Outreach - Inactive
PARTICIPANT DEFINITION:	Number of Customers
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2019 - December 31, 2019

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>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$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	\$0	\$0	\$447,825
Lost Revenues:	\$0	\$0	\$297,155
Efficiency Incentive:	\$0	\$0	\$124,160
Maximizing Incentive:	\$0	\$0	\$1,654
Total Costs	\$0	\$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.

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Energy Education For Students - Inactive
PARTICIPANT DEFINITION:	Number of Students receiving EE kits
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2019 - December 31, 2019

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	\$0	\$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	\$0	\$0	\$276,412
Lost Revenues:	\$0	\$0	\$117,539
Efficiency Incentive:	\$0	\$0	\$38,569
Maximizing Incentive:	\$0	\$0	\$1,874
Total Costs	\$0	\$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.

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Home Performance - Inactive
PARTICIPANT DEFINITION:	Customer Accounts
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2019 - December 31, 2019

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	\$0	\$0	\$38,374
Equipment/Vendor:	\$0	\$0	\$1,610,957
Promotional:	\$0	\$0	\$0
Customer Incentives:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$1,649,331
Lost Revenues:	\$0	\$0	\$1,463,215
Efficiency Incentive:	\$0	\$0	\$205,451
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$0	\$0	\$3,317,997

COMMENTS:

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Residential Efficient Products - Inactive
PARTICIPANT DEFINITION:	Number of Units purchased
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2019 - December 31, 2019

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	\$0	\$0	\$133,974
Equipment/Vendor:	\$0	\$0	\$2,424,476
Promotional:	\$0	\$0	\$74,307
Customer Incentives:	\$0	\$0	\$2,881,607
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$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	\$0	\$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.

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Appliance Recycling - Inactive
PARTICIPANT DEFINITION:	Number of Units Recycled
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2019 - December 31, 2019

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	\$0	\$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	\$0	\$0	\$235,612
Lost Revenues:	\$0	\$0	\$67,608
Efficiency Incentive:	\$0	\$0	\$5,902
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$0	\$0	\$309,122

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.

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	New Manufactured Homes - Inactive
PARTICIPANT DEFINITION:	Homes
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2019 - December 31, 2019

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	\$0	\$0	\$10,883
Equipment/Vendor:	\$0	\$0	\$163,749
Promotional:	\$0	\$0	\$6,694
Customer Incentives:	\$0	\$0	\$78,500
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$259,826
Lost Revenues:	\$0	\$0	\$20,156
Efficiency Incentive:	\$0	\$0	\$13,569
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$0	\$0	\$293,551

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

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, 2019 - December 31, 2019

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 was 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, 2019 - December 31, 2019

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 was 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, 2019 - December 31, 2019

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 was combined with the Whole House Efficiency program.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	High Efficiency Heat Pumps - Inactive
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2019 - December 31, 2019

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 was combined with the 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, 2019 - December 31, 2019

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>
Description			
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, 2019 - December 31, 2019

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, 2019 - December 31, 2019

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, 2019 - December 31, 2019

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, 2019 - December 31, 2019

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:	CI Prescriptive Custom
PARTICIPANT DEFINITION:	Number of Participants Projects Installed
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2019 - December 31, 2019

New Participants	<u>Projects Installed</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	594

Impacts	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	11,546,739
Anticipated Peak Demand (kW) Reduction:		
Summer	0	2,218
Winter	0	2,040

Costs	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$64,981
Equipment/Vendor:	\$0	\$0	\$1,702,975
Promotional:	\$0	\$0	\$29,180
Customer Incentives:	\$0	\$0	\$2,325,497
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$4,122,633
Lost Revenues:	\$230,698	\$0	\$1,562,871
Efficiency Incentive:	\$0	\$0	\$363,564
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$230,698	\$0	\$6,049,068

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

A Commission order for case no. 2017-00097 terminated this program in 2018.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	New Construction
PARTICIPANT DEFINITION:	Completed Customer Project
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2019 - December 31, 2019

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	35

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	1,030,823
Anticipated Peak Demand (kW) Reduction:		
Summer	0	280
Winter	0	175

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$4,529
Equipment/Vendor:	\$0	\$0	\$106,527
Promotional:	\$0	\$0	\$4,554
Customer Incentives:	\$0	\$0	\$139,045
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$254,655
Lost Revenues:	\$38,248	\$0	\$147,485
Efficiency Incentive:	\$0	\$0	\$23,931
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$38,248	\$0	\$426,071

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 2019 is 0 customer projects and \$0.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION

PROGRAM:	General Commercial Administrative - Inactive
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2019 - December 31, 2019

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.

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Commercial Appliance Recycling - Inactive
PARTICIPANT DEFINITION:	Number of Units Recycled
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2019 - December 31, 2019

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.

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	School Energy Manager Program - Inactive
PARTICIPANT DEFINITION:	School District Participation
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2019 - December 31, 2019

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	0	1,628,293
Anticipated Peak Demand (kW) Reduction:		
Summer	0	548
Winter	0	787

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$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	\$0	\$0	\$412,882
Lost Revenues:	\$0	\$0	\$113,490
Efficiency Incentive:	\$0	\$0	\$2,594
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$0	\$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 - Inactive
PARTICIPANT DEFINITION:	Completed Customer Project
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2019 - December 31, 2019

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	\$0	\$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	\$0	\$0	\$758,398
Lost Revenues:	\$0	\$0	\$208,781
Efficiency Incentive:	\$0	\$0	\$6,741
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$0	\$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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Retro-Commissioning - Inactive
PARTICIPANT DEFINITION:	Customer Project
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2019 - December 31, 2019

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	\$0	\$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	\$0	\$0	\$73,605
Lost Revenues:	\$0	\$0	\$0
Efficiency Incentive:	\$0	\$0	\$0
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$0	\$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.

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Commercial High Efficiency HP/AC - Inactive
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2019 - December 31, 2019

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.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Commercial Incentive - Inactive
PARTICIPANT DEFINITION:	Number of Participants Projects Installed
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2019 - December 31, 2019

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, 2019 - December 31, 2019

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, 2019 - December 31, 2019

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, 2019 - December 31, 2019

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, 2019 - December 31, 2019

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, 2019 - December 31, 2019

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, 2019 - December 31, 2019

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 September 30, 2020

INDEX

PAGE	DESCRIPTION
1	Definitions
2	Summary Information (All Programs)
3	Summary Energy/Demand Information (All Programs)

DSM Programs:

Residential Programs

4	Targeted Energy Efficiency
5	Whole House Efficiency
6	General Residential Administrative - Inactive
7	Community Outreach Compact Fluorescent Lamp (CFL) - Inactive
8	Energy Education for Students - Inactive
9	Home Performance - Inactive
10	Residential Efficient Products - Inactive
11	Appliance Recycling - Inactive
12	New Manufactured Homes - Inactive
13	High Efficiency Heat Pump - Mobile Home - Inactive
14	Mobile Home New Construction - Inactive
15	Modified Energy Fitness Program - Inactive
16	High Efficiency Heat Pump - Inactive
17	Residential HVAC Diagnostic and Tune-up - Inactive
18	Pilot Residential Load Management - Inactive
19	Energy Fitness - Inactive
20	Compact Fluorescent Bulb - Inactive
21	High Efficiency Heat Pump Retrofit - Inactive

Commercial Programs

22	CI Prescriptive / Custom
23	New Construction
24	General Commercial Administrative - Inactive
25	Commercial Appliance Recycling - Inactive
26	School Energy Manager - Inactive
27	Express Install - Inactive
28	Retro-Commissioning - Inactive
29	High Efficiency Heat Pump/Air Conditioner - Inactive
30	Commercial Incentive - Inactive
31	Commercial HVAC Diagnostic and Tune-up - Inactive
32	Pilot Commercial Load Management - Inactive
33	Smart Audit - Inactive
34	Smart Incentive - Inactive

Industrial Programs

35	Smart Audit - Inactive
36	Smart Incentive - Inactive

DEFINITIONS

- 1) YTD Costs - Year-to-Date costs recorded through September 30, 2020.
- 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 September 30, 2020
- 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 September 30, 2020.

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 1/1/2019 to 12/31/2019 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 September 30, 2020

DESCRIPTION	YTD	PTD
Total Revenue Collected	<u>\$288,266</u>	<u>\$63,696,387</u>
Total Program Costs	\$127,724	\$42,895,216
Total Lost Revenues	\$224,539	\$16,166,270
Total Efficiency / Maximizing Incentive	\$867	\$4,513,643
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 September 30, 2020	<u>\$353,130</u>	<u>\$63,649,797</u>

**KENTUCKY POWER COMPANY
SUMMARY INFORMATION (ALL PROGRAMS)**

As of September 30, 2020

DESCRIPTION	YTD		PTD	
Actual In-Place Energy Savings:	81,006	kWh	703,155,593	kWh
w/ T&D Line Losses:	87,972	kWh	766,229,193	kWh
Total kW Reductions:				
Winter	25	kW	45,337	kW
w/ T&D Line Losses:	28	kW	50,034	kW
Summer	13	kW	24,613	kW
w/ T&D Line Losses:	14	kW	27,280	kW

KENTUCKY POWER COMPANY

PROGRAM INFORMATION

PROGRAM:	Targeted Energy Efficiency
PARTICIPANT DEFINITION:	Number of Households
CUSTOMER SECTOR:	Residential - Low Income
REPORTING PERIOD:	January 1, 2020 - September 30, 2020

New Participants		All Electric	Non All Electric
Jan		4	0
Feb		4	0
Mar		4	0
Apr		0	0
May		0	0
Jun		8	0
Jul		4	0
Aug		5	0
Sep		3	0
Oct		0	0
Nov		0	0
Dec		0	0
YTD		32	0
PTD		4,164	1,137

Impacts		
	Year-To-Date	Program-To-Date
Estimated in Place Energy (kWh) Savings	87,972	91,607,991
Anticipated Peak Demand (kW) Reduction:		
Summer	14	1,177
Winter	28	3,592

Costs			
Description	Year-To-Date	Retroactive Adjustment	Program-To-Date
Total Evaluation	\$0	\$0	\$320,366
Equipment/Vendor:	\$127,724	\$0	\$5,459,976
Promotional:	\$0	\$0	\$0
Customer Incentives:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$9,553
Total Program Costs	\$127,724	\$0	\$5,789,895
Lost Revenues:	\$21,055	\$1,944	\$1,104,311
Efficiency Incentive:	\$867	\$184	\$194,020
Maximizing Incentive:	\$0	\$0	\$123,617
Total Costs	\$149,646	\$2,128	\$7,211,843

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 2020 is 134 homes and \$326,800, respectively. The participant and expense forecast for 2021 is 104 homes and \$274,400, respectively.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Whole House Efficiency
PARTICIPANT DEFINITION:	Participants
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2020 - September 30, 2020

Audits & Rebates:	<u>Single Family</u>	<u>Multi-Family</u>	<u>Weatherization</u>	<u>HVAC</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	2,852	375	35	1,206

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	5,065,262
Anticipated Peak Demand (kW) Reduction:		
Summer	0	707
Winter	0	1,307

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$93,071
Equipment/Vendor:	\$0	\$0	\$2,247,964
Promotional:	\$0	\$0	\$378,404
Customer Incentives:	\$0	\$0	\$435,414
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$3,154,853
Lost Revenues:	\$1,921	\$0	\$309,544
Efficiency Incentive:	\$0	\$0	\$150,223
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$1,921	\$0	\$3,614,620

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

A Commission order for case no. 2017-00097 terminated this program in 2018.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION

PROGRAM:	General Residential Administrative - Inactive
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2020 - September 30, 2020

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.

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Community Outreach - Inactive
PARTICIPANT DEFINITION:	Number of Customers
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2020 - September 30, 2020

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>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$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	\$0	\$0	\$447,825
Lost Revenues:	\$0	\$0	\$297,155
Efficiency Incentive:	\$0	\$0	\$124,160
Maximizing Incentive:	\$0	\$0	\$1,654
Total Costs	\$0	\$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.

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Energy Education For Students - Inactive
PARTICIPANT DEFINITION:	Number of Students receiving EE kits
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2020 - September 30, 2020

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	\$0	\$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	\$0	\$0	\$276,412
Lost Revenues:	\$0	\$0	\$117,539
Efficiency Incentive:	\$0	\$0	\$38,569
Maximizing Incentive:	\$0	\$0	\$1,874
Total Costs	\$0	\$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.

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Home Performance - Inactive
PARTICIPANT DEFINITION:	Customer Accounts
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2020 - September 30, 2020

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	\$0	\$0	\$38,374
Equipment/Vendor:	\$0	\$0	\$1,610,957
Promotional:	\$0	\$0	\$0
Customer Incentives:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$1,649,331
Lost Revenues:	\$0	\$0	\$1,463,215
Efficiency Incentive:	\$0	\$0	\$205,451
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$0	\$0	\$3,317,997

COMMENTS:

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Residential Efficient Products - Inactive
PARTICIPANT DEFINITION:	Number of Units purchased
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2020 - September 30, 2020

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	\$0	\$0	\$133,974
Equipment/Vendor:	\$0	\$0	\$2,424,476
Promotional:	\$0	\$0	\$74,307
Customer Incentives:	\$0	\$0	\$2,881,607
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$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	\$0	\$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.

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Appliance Recycling - Inactive
PARTICIPANT DEFINITION:	Number of Units Recycled
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2020 - September 30, 2020

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	\$0	\$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	\$0	\$0	\$235,612
Lost Revenues:	\$0	\$0	\$67,608
Efficiency Incentive:	\$0	\$0	\$5,902
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$0	\$0	\$309,122

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.

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	New Manufactured Homes - Inactive
PARTICIPANT DEFINITION:	Homes
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2020 - September 30, 2020

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	\$0	\$0	\$10,883
Equipment/Vendor:	\$0	\$0	\$163,749
Promotional:	\$0	\$0	\$6,694
Customer Incentives:	\$0	\$0	\$78,500
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$259,826
Lost Revenues:	\$0	\$0	\$20,156
Efficiency Incentive:	\$0	\$0	\$13,569
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$0	\$0	\$293,551

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

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, 2020 - September 30, 2020

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 was 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, 2020 - September 30, 2020

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 was 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, 2020 - September 30, 2020

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 was combined with the Whole House Efficiency program.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	High Efficiency Heat Pumps - Inactive
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2020 - September 30, 2020

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 was combined with the 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, 2020 - September 30, 2020

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>
Description			
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, 2020 - September 30, 2020

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, 2020 - September 30, 2020

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, 2020 - September 30, 2020

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, 2020 - September 30, 2020

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:	CI Prescriptive Custom
PARTICIPANT DEFINITION:	Number of Participants Projects Installed
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2020 - September 30, 2020

New Participants	<u>Projects Installed</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	594

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	11,546,739
Anticipated Peak Demand (kW) Reduction:		
Summer	0	2,218
Winter	0	2,040

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$64,981
Equipment/Vendor:	\$0	\$0	\$1,702,975
Promotional:	\$0	\$0	\$29,180
Customer Incentives:	\$0	\$0	\$2,325,497
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$4,122,633
Lost Revenues:	\$172,909	\$0	\$1,735,780
Efficiency Incentive:	\$0	\$0	\$363,564
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$172,909	\$0	\$6,221,977

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.

A Commission order for case no. 2017-00097 terminated this program in 2018.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	New Construction
PARTICIPANT DEFINITION:	Completed Customer Project
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2020 - September 30, 2020

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	35

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	1,030,823
Anticipated Peak Demand (kW) Reduction:		
Summer	0	280
Winter	0	175

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$4,529
Equipment/Vendor:	\$0	\$0	\$106,527
Promotional:	\$0	\$0	\$4,554
Customer Incentives:	\$0	\$0	\$139,045
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$254,655
Lost Revenues:	\$28,654	\$0	\$176,139
Efficiency Incentive:	\$0	\$0	\$23,931
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$28,654	\$0	\$454,725

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

A Commission order for case no. 2017-00097 terminated this program in 2018.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION

PROGRAM:	General Commercial Administrative - Inactive
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2020 - September 30, 2020

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.

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Commercial Appliance Recycling - Inactive
PARTICIPANT DEFINITION:	Number of Units Recycled
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2020 - September 30, 2020

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.

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	School Energy Manager Program - Inactive
PARTICIPANT DEFINITION:	School District Participation
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2020 - September 30, 2020

Participating Schools	<u>Districts</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

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	0	1,628,293
Anticipated Peak Demand (kW) Reduction:		
Summer	0	548
Winter	0	787

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$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	\$0	\$0	\$412,882
Lost Revenues:	\$0	\$0	\$113,490
Efficiency Incentive:	\$0	\$0	\$2,594
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$0	\$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 - Inactive
PARTICIPANT DEFINITION:	Completed Customer Project
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2020 - September 30, 2020

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	\$0	\$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	\$0	\$0	\$758,398
Lost Revenues:	\$0	\$0	\$208,781
Efficiency Incentive:	\$0	\$0	\$6,741
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$0	\$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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Retro-Commissioning - Inactive
PARTICIPANT DEFINITION:	Customer Project
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2020 - September 30, 2020

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	\$0	\$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	\$0	\$0	\$73,605
Lost Revenues:	\$0	\$0	\$0
Efficiency Incentive:	\$0	\$0	\$0
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$0	\$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.

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Commercial High Efficiency HP/AC - Inactive
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2020 - September 30, 2020

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.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Commercial Incentive - Inactive
PARTICIPANT DEFINITION:	Number of Participants Projects Installed
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2020 - September 30, 2020

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, 2020 - September 30, 2020

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, 2020 - September 30, 2020

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, 2020 - September 30, 2020

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, 2020 - September 30, 2020

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, 2020 - September 30, 2020

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, 2020 - September 30, 2020

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>Description</u>	<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.

Demand-Side Management Budget

2021 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	\$137,200.00	\$137,200.00	\$274,400.00
Residential Total	\$137,200.00	\$137,200.00	\$274,400.00
Expense Total	\$137,200.00	\$137,200.00	\$274,400.00

KENTUCKY POWER COMPANY

P.S.C. KY. NO. 11 ~~3rd~~^{2nd} Revised SHEET NO. 22-1
CANCELLING P.S.C. KY. NO. 11 ~~1st~~^{2nd} Revised SHEET NO.
22-1

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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.

DATE OF ISSUE: ~~XXXX, XX, XXXXDecember 20, 2019~~

DATE EFFECTIVE: Service Rendered On And After January 1, ~~2020~~2021

ISSUED BY: /s/ Brian K. West

TITLE: Director, Regulatory Services

By Authority Of an Order of the Public Service Commission

In Case No. 2019-00362410 Dated ~~XXXX, XX, XXXXDecember 12, 2019~~

4. The provisions of the Demand-Side Management Adjustment Clause will be effective for the period ending December 31, 2020~~1~~. (Cont'd on Sheet No. 22-2)

T

DATE OF ISSUE: ~~XXXX, XX, XXXX~~December 20, 2019

DATE EFFECTIVE: Service Rendered On And After January 1, ~~2020~~2021

ISSUED BY: /s/ Brian K. West

TITLE: Director, Regulatory Services

By Authority Of an Order of the Public Service Commission

In Case No. 2019-00362410 Dated ~~XXXX, XX, XXXX~~December 12, 2019

KENTUCKY POWER COMPANY

P.S.C. KY. NO. 11 2nd Revised SHEET NO. 22-2
 CANCELLING P.S.C. KY. NO. 11 1st Revised 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)	\$252,506,362,568	\$20,090,463,226	- 0 -	T
S (c)	<u>1,927,287,724,937,062,073</u>	<u>1,148,719,1524,221,884,520</u>	- 0 -	T
Adjustment Factor	\$ 0.000 <u>131487</u>	\$ 0.000 <u>017434</u>	- 0 -	<u>D</u>

* 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, XXXXDecember 20, 2019

DATE EFFECTIVE: Service Rendered On And After January 1, 20202021

ISSUED BY: /s/ Brian K. West

TITLE: Director, Regulatory Services

By Authority Of an Order of the Public Service Commission

In Case No. 2019-00362410 Dated XXXX, XX, XXXXDecember 12, 2019

KENTUCKY POWER COMPANY

P.S.C. KY. NO. 11 3rd Revised SHEET NO. 22-1
 CANCELLING P.S.C. KY. NO. 11 2nd Revised 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, 2021. (Cont'd on Sheet No. 22-2)

DATE OF ISSUE: XXXX, XX, XXXX

DATE EFFECTIVE: Service Rendered On And After January 1, 2021

ISSUED BY: /s/ Brian K. West

TITLE: Director, Regulatory Services

By Authority Of an Order of the Public Service Commission

In Case No. 2019-00362 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>	\$252,506	\$20,090	- 0 -	T
S (c)	1,927,287,772	1,148,719,152	- 0 -	T
Adjustment Factor	\$ 0.000131	\$ 0.000017	- 0 -	D

* 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 1, 2021

ISSUED BY: /s/ Brian K. West

TITLE: Director, Regulatory Services

By Authority Of an Order of the Public Service Commission

In Case No. 2019-00362 Dated XXXX, XX, XXXX