

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. 2019-00410  
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, 2020 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 TEE Program, as well as related proposed tariff changes; (3) accepting the Company’s annual demand-side management (“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.<sup>1</sup> The Company is in good standing in the Commonwealth.

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<sup>1</sup> 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 12, 2019 Certificate of Existence is filed as **Exhibit 1** to this Application.

2. The post office address of Kentucky Power is 855 Central Avenue, Suite 200, Ashland, Kentucky 41101. The Company's electronic mail address is [kentucky\\_regulatory\\_services@aep.com](mailto:kentucky_regulatory_services@aep.com). Kentucky Power is engaged in the generation, purchase, transmission, distribution and sale of electric power. Kentucky Power serves approximately 165,600 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/ENERGY EFFICIENCY 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").<sup>2</sup> 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.<sup>3</sup> 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

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<sup>2</sup> *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).

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

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

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

6. By order dated December 21, 2018 in Case No. 2018-00377,<sup>7</sup> 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**

7. Year-to-date through September 30, 2019, the Company credited (\$814,835.44) to customers through the DSM factor. For the same period, Kentucky Power’s DSM program costs, incentive payments, and realized lost revenues totaled \$469,650.

8. A copy of the Company’s 2019 DSM/EE Status Report is attached as **Exhibit 2**.

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

<sup>5</sup> *Id.* at 15.

<sup>6</sup> *Id.*

<sup>7</sup> *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. 2018-00377 (Ky. P.S.C. Dec. 21, 2018).

9. Kentucky Power's TEE Program is administered in conformity with the Company's tariff.<sup>8</sup>

**THE PROPOSED CONTINUATION OF THE TEE PROGRAM AND  
PROPOSED TARIFF MODIFICATIONS**

10. Kentucky Power seeks authority to continue its existing TEE Program, without modification to the manner in which it operates, through December 31, 2020.

11. Kentucky Power also seeks approval to increase its TEE Program's budget from its current level of \$284,800 to \$326,800 in 2020. As detailed in the Direct Testimony of Scott E. Bishop, which accompanies this Application, the requested budget increase will enable community action agencies administering the TEE Program to serve additional eligible customers through the TEE program in the 2020 program year. The requested budget will allow for 134 participants in the program in 2020. The estimated budget for the TEE Program is attached as **Exhibit 3**.

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

13. The Company requests that its full costs associated with the Company's DSM/EE portfolio, as that term is defined in the Company's Tariff D.S.M.C., 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 modified Tariff Sheet Nos. 22-1 and 22-2 is attached as **Exhibit 4**.

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<sup>8</sup> P.S.C. Ky. No. 11 Original Sheet No. 22-3.



14. To permit recovery of program costs, lost revenues, and incentives, Kentucky Power proposes to increase the residential DSM surcharge factor from (\$0.000550) per kWh to \$0.000187 per kWh and to increase the commercial DSM surcharge factor from (\$0.000022) per kWh to \$0.000134 per kWh.

15. The change in the residential surcharge factor reflects the final return during 2019 of the previous over-collection of DSM costs. The majority of the previous over-collection was returned to residential customers through a DSM credit in 2018; however, due to a lag in timing between rate implementation and calculation, there was a remaining over-collection that was returned to residential customers in 2019.

16. The change in the commercial surcharge factor reflects the final return during 2019 of the previous over-collection of DSM costs. The Company continues to recover certain lost revenues through 2020.

17. The Company's proposed DSM surcharge factors for 2020 are necessary to collect 2020 TEE program expenses and recover Commission-approved Net Lost Revenues for the former residential and commercial DSM programs that concluded in 2018.<sup>9</sup> Support for the calculation of the proposed DSM surcharge factors is provided in **Exhibit 5**.

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

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

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<sup>9</sup> DSM Investigation, Order at 15-16 (Ky. P.S.C. Jan. 18, 2018).

**ANNUAL DSM STATUS REPORT**

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

**TESTIMONY**

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

**EXHIBITS**

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

**COMMUNICATIONS**

23. Kentucky Power respectfully requests that communications in this matter be addressed to the e-mail addresses identified on Kentucky Power's November 12, 2019 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, 2020;

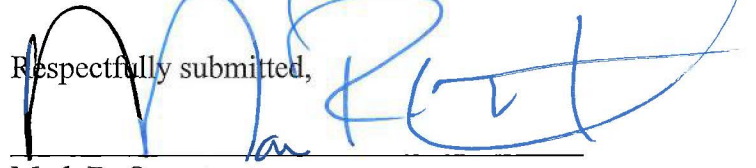
(2) approving the modification of Kentucky Power Company's residential DSM factor to \$0.000187 per kWh and its commercial DSM factor to \$0.000134 per kWh to permit the Company's recovery through its Demand-Side Management Adjustment Clause of its full costs, including lost revenues and incentives, associated with the Company's DSM/EE portfolio;

(3) modifying Tariff Sheet Nos. 22-1 and 22-2;

(4) accepting the Company's annual DSM Status Report; and

(5) granting all other required relief or approvals.

Respectfully submitted,



Mark R. Overstreet  
STITES & HARBISON PLLC  
421 West Main Street  
P.O. Box 634  
Frankfort, Kentucky 40602-0634  
Telephone: (502) 223-3477  
Facsimile: (502) 223-4387  
[moverstreet@stites.com](mailto:moverstreet@stites.com)

COUNSEL FOR KENTUCKY POWER  
COMPANY

## **Exhibits**

- EXHIBIT 1: November 12, 2019 “Certificate of Existence” for Kentucky Power Company issued by the Secretary of State of the Commonwealth of Kentucky
- EXHIBIT 2: 2018 and 2019 DSM/EE Status Report
- EXHIBIT 3: 2020 Targeted Energy Efficiency Program Budget
- EXHIBIT 4: Proposed Form Tariff Sheets Nos. 22-1 and 22-2 (red-lined and clean versions)
- EXHIBIT 5: “Schedule C”



**Commonwealth of Kentucky**  
**Alison Lundergan Grimes, Secretary of State**

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

**Certificate of Existence**

Authentication number: 222572

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

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

**KENTUCKY POWER COMPANY**

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

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

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal at Frankfort, Kentucky, this 12<sup>th</sup> day of November, 2019, in the 228<sup>th</sup> year of the Commonwealth.



*Alison Lundergan Grimes*

Alison Lundergan Grimes  
Secretary of State  
Commonwealth of Kentucky  
222572/0028317

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

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## **DEFINITIONS**

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

## **COMMENTS**

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

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

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

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

The individual DSM lost revenue, efficiency incentive and maximizing incentives as of June 30, 1997 are calculated based on the initial values from Exhibit E in the joint application, filed September 27, 1995. A retroactive adjustment of the initial values of the efficiency incentives and net lost revenue kWh impacts was used for each program for the first eighteen months (1/1/96 to 6/30/97). The lost revenue, efficiency incentive and maximizing incentive for the period 1/1/2018 to 12/31/2018 are calculated using the revised values contained in Schedule C of this status report.

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

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

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

DESCRIPTION	YTD	PTD
Total Revenue Collected	<u>\$1,860,636</u>	<u>\$64,489,736</u>
Total Program Costs	\$1,113,236	\$42,482,690
Total Lost Revenues	\$244,170	\$15,649,898
Total Efficiency / Maximizing Incentive	\$74,738	\$4,510,608
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, 2018	<u>\$1,432,144</u>	<u>\$62,717,864</u>

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

DESCRIPTION	YTD		PTD	
Actual In-Place Energy Savings:	2,560,320	kWh	702,894,856	kWh
w/ T&D Line Losses:	2,780,507	kWh	765,946,033	kWh
Total kW Reductions:				
Winter	506	kW	45,256	kW
w/ T&D Line Losses:	568	kW	49,943	kW
Summer	530	kW	24,572	kW
w/ T&D Line Losses:	596	kW	27,235	kW



# KENTUCKY POWER COMPANY

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

<b>New Participants</b>	<u>All Electric</u>	<u>Non All Electric</u>
Jan	5	0
Feb	7	0
Mar	2	0
Apr	8	1
May	7	0
Jun	6	0
Jul	7	0
Aug	7	0
Sep	5	0
Oct	8	2
Nov	0	-2
Dec	6	0
<b>YTD</b>	<b>68</b>	<b>1</b>
<b>PTD</b>	<b>4,063</b>	<b>1,135</b>

<b>Impacts</b>	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	<b>189,690</b>	<b>91,324,831</b>
Anticipated Peak Demand (kW) Reduction:		
Summer	<b>31</b>	<b>1,132</b>
Winter	<b>61</b>	<b>3,501</b>

<b>Costs</b>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$254	\$0	\$320,366
Equipment/Vendor:	\$219,908	\$0	\$5,047,452
Promotional:	\$0	\$0	\$0
Customer Incentives:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$9,553
<b>Total Program Costs</b>	<b>\$220,162</b>	<b>\$0</b>	<b>\$5,377,371</b>
<b>Lost Revenues:</b>	<b>\$7,260</b>	<b>\$1,944</b>	<b>\$1,062,930</b>
<b>Efficiency Incentive:</b>	<b>\$1,870</b>	<b>\$184</b>	<b>\$190,985</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$123,617</b>
<b>Total Costs</b>	<b>\$229,292</b>	<b>\$2,128</b>	<b>\$6,754,903</b>

## 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 October participation numbers were overstated in error. Participation was adjusted in November and December to ensure Year-End numbers were accurate. This is why November participation shows a zero and a negative number.

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

## KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Whole House Efficiency</b>
PARTICIPANT DEFINITION:	Participants
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2018 - December 31, 2018

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

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

<b>Costs</b>			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$1,057	\$0	\$93,071
Equipment/Vendor:	\$21,586	\$0	\$2,247,964
Promotional:	\$0	\$0	\$378,404
Customer Incentives:	\$9,388	\$0	\$435,414
Other Costs:	\$0	\$0	\$0
<b>Total Program Costs</b>	<b>\$32,031</b>	<b>\$0</b>	<b>\$3,154,853</b>
<b>Lost Revenues:</b>	<b>\$2,370</b>	<b>\$0</b>	<b>\$305,062</b>
<b>Efficiency Incentive:</b>	<b>\$1,283</b>	<b>\$0</b>	<b>\$150,223</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Costs</b>	<b>\$35,684</b>	<b>\$0</b>	<b>\$3,610,137</b>

### COMMENTS:

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

The program delivers three options:

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

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

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

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>General Residential Administrative - Inactive</b>
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2018 - December 31, 2018

<b>Costs</b>			
<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			
<b>Total Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$282,532</b>

## COMMENTS:

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

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

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

## KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Community Outreach - Inactive</b>
PARTICIPANT DEFINITION:	Number of Customers
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2018 - December 31, 2018

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

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

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

### COMMENTS:

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

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

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

## KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Energy Education For Students - Inactive</b>
PARTICIPANT DEFINITION:	Number of Students receiving EE kits
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2018 - December 31, 2018

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

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

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

### COMMENTS:

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

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

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



## KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Home Performance - Inactive</b>
PARTICIPANT DEFINITION:	Customer Accounts
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2018 - December 31, 2018

<b>New Participants</b>	<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
<b>YTD</b>	<b>0</b>	<b>65,000</b>
<b>PTD</b>	<b>65,000</b>	<b>65,000</b>

<b>Impacts</b>		
	<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

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

### COMMENTS:

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

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

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

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

## KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Residential Efficient Products - Inactive</b>
PARTICIPANT DEFINITION:	Number of Units purchased
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2018 - December 31, 2018

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

	<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		
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		
<b>YTD</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		
<b>PTD</b>	<b>70</b>	<b>565</b>	<b>444</b>	<b>113</b>	<b>20</b>	

<b>Impacts</b>		
	<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

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

**COMMENTS:**

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

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

The expense forecast for 2019 is \$0.

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

## KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	Appliance Recycling - Inactive
PARTICIPANT DEFINITION:	Number of Units Recycled
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2018 - December 31, 2018

<b>New Recycled Units</b>	<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
<b>YTD</b>	<b>0</b>	<b>0</b>
<b>PTD</b>	<b>1,170</b>	<b>308</b>

<b>Impacts</b>		
	<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

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

### COMMENTS:

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

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

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

## KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>New Manufactured Homes - Inactive</b>
PARTICIPANT DEFINITION:	Homes
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2018 - December 31, 2018

<b>Manufactured Homes:</b>	<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
<b>YTD</b>	<b>0</b>	<b>0</b>
<b>PTD</b>	<b>107</b>	<b>21</b>

<b>Impacts</b>		
	<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

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

### COMMENTS:

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

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

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

# KENTUCKY POWER COMPANY

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

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

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

<b>Costs</b>			
<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
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,606,656</b>
<b>Lost Revenues:</b>	<b>\$0</b>	<b>\$5,820</b>	<b>\$875,167</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$18,331</b>	<b>\$355,268</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Costs</b>	<b>\$0</b>	<b>\$24,151</b>	<b>\$2,837,091</b>

**COMMENTS:**

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

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



## KENTUCKY POWER COMPANY

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

<b>New Participants</b>			
	<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			
<b>YTD</b>	<b>0</b>	<b>0</b>	
<b>PTD</b>	<b>2,894</b>	<b>2</b>	

<b>Impacts</b>		
	<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

<b>Costs</b>			
<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
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,686,353</b>
<b>Lost Revenues:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$796,499</b>
Efficiency Incentive:	\$0	\$0	\$223,411
Maximizing Incentive:	\$0	\$0	\$2,580
<b>Total Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,708,843</b>

### COMMENTS:

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

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

## KENTUCKY POWER COMPANY

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

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

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

<b>Costs</b>			
<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
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$5,737,089</b>
<b>Lost Revenues:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,582,579</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$387,254</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$8</b>
<b>Total Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$7,706,930</b>

### COMMENTS:

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

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

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

## KENTUCKY POWER COMPANY

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

<b>New Participants</b>	<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		
<b>YTD</b>	<b>0</b>	<b>0</b>
<b>PTD</b>	<b>1,374</b>	<b>2,792</b>

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

<b>Costs</b>			
<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
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,929,675</b>
<b>Lost Revenues:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$578,492</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$351,883</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$17,177</b>
<b>Total Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,877,227</b>

### COMMENTS:

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

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

## KENTUCKY POWER COMPANY

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

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

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

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

### 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

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

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

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

<b>Costs</b>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
<b>Description</b>			
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
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$338,927</b>
<b>Lost Revenues:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$338,927</b>

### 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

<b>PROGRAM INFORMATION</b>	
PROGRAM:	Energy Fitness - Inactive
PARTICIPANT DEFINITION:	Number of Households
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2018 - December 31, 2018

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

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

<b>Costs</b>			
<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
<b>Total Program Costs</b>	<b>0.00</b>	<b>0.00</b>	<b>685,113.00</b>
<b>Lost Revenues:</b>	<b>0.00</b>	<b>(19,322.00)</b>	<b>363,029.00</b>
<b>Efficiency Incentive:</b>	<b>0.00</b>	<b>(46,349.00)</b>	<b>63,482.00</b>
<b>Maximizing Incentive:</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Total Costs</b>	<b>0.00</b>	<b>(65,671.00)</b>	<b>1,111,624.00</b>

**COMMENTS:**

This program was discontinued May 14, 1999.

## KENTUCKY POWER COMPANY

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

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

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

<b>Costs</b>			
	<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
<b>Total Program Costs</b>	<b>0.00</b>	<b>0.00</b>	<b>15,081.00</b>
<b>Lost Revenues:</b>	<b>0.00</b>	<b>25.00</b>	<b>1,605.00</b>
<b>Efficiency Incentive:</b>	<b>0.00</b>	<b>8.00</b>	<b>433.00</b>
<b>Maximizing Incentive:</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Total Costs</b>	<b>0.00</b>	<b>33.00</b>	<b>17,119.00</b>

### COMMENTS:

This program was discontinued December 31, 1996

## KENTUCKY POWER COMPANY

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

<b>New Participants</b>		<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
<b>YTD</b>		<b>0</b>	<b>0</b>
<b>PTD</b>		<b>1,367</b>	<b>929</b>

<b>Impacts</b>		<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

<b>Costs</b>		<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
<b>Total Program Costs</b>		<b>0.00</b>	<b>0.00</b>	<b>214,312.00</b>
<b>Lost Revenues:</b>		<b>0.00</b>	<b>(269.00)</b>	<b>368,960.00</b>
Efficiency Incentive:		<b>0.00</b>	<b>(2,196.00)</b>	<b>48,017.00</b>
Maximizing Incentive:		<b>0.00</b>	<b>0.00</b>	<b>5.00</b>
<b>Total Costs</b>		<b>0.00</b>	<b>(2,465.00)</b>	<b>631,294.00</b>

**COMMENTS:**

This program was discontinued December 31, 2001.

## KENTUCKY POWER COMPANY

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

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

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

<b>Costs</b>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$738	\$0	\$64,981
Equipment/Vendor:	\$113,912	\$0	\$1,702,975
Promotional:	\$0	\$0	\$29,180
Customer Incentives:	\$567,487	\$0	\$2,325,497
Other Costs:	\$0	\$0	\$0
<b>Total Program Costs</b>	<b>\$682,137</b>	<b>\$0</b>	<b>\$4,122,633</b>
<b>Lost Revenues:</b>	<b>\$203,117</b>	<b>\$0</b>	<b>\$1,332,173</b>
Efficiency Incentive:	\$63,152	\$0	\$363,564
Maximizing Incentive:	\$0	\$0	\$0
<b>Total Costs</b>	<b>\$948,406</b>	<b>\$0</b>	<b>\$5,818,370</b>

### COMMENTS:

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

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

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

## KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>New Construction</b>
PARTICIPANT DEFINITION:	Completed Customer Project
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2018 - December 31, 2018

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

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

<b>Costs</b>			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$51	\$0	\$4,529
Equipment/Vendor:	\$3,555	\$0	\$106,527
Promotional:	\$0	\$0	\$4,554
Customer Incentives:	\$59,195	\$0	\$139,045
Other Costs:	\$0	\$0	\$0
<b>Total Program Costs</b>	<b>\$62,801</b>	<b>\$0</b>	<b>\$254,655</b>
<b>Lost Revenues:</b>	<b>\$31,423</b>	<b>\$0</b>	<b>\$109,237</b>
<b>Efficiency Incentive:</b>	<b>\$8,433</b>	<b>\$0</b>	<b>\$23,931</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Costs</b>	<b>\$102,657</b>	<b>\$0</b>	<b>\$387,823</b>

### COMMENTS:

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

Participation includes two components:

1. Whole Building Approach
2. Systems Approach

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

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

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>General Commercial Administrative - Inactive</b>
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2018 - December 31, 2018

<b>Costs</b>			
<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
<b>Total Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$291,078</b>

## COMMENTS:

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

The expense forecast for 2018 is \$0.

The expense forecast for 2019 is \$0.

## KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Commercial Appliance Recycling - Inactive</b>
PARTICIPANT DEFINITION:	Number of Units Recycled
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2018 - December 31, 2018

<b>New Recycled Units</b>	<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
<b>YTD</b>	<b>0</b>	<b>0</b>
<b>PTD</b>	<b>0</b>	<b>0</b>

<b>Impacts</b>		
	<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

<b>Costs</b>			
<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
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Lost Revenues:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

### COMMENTS:

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

The program was proposed for the 2017 program year.  
 The participant and expense forecast for 2018 is 0 and \$0, respectively.  
 The participant and expense forecast for 2019 is 0 and \$0, respectively.

## KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	School Energy Manager Program - Inactive
PARTICIPANT DEFINITION:	School District Participation
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2018 - December 31, 2018

<b>Participating Schools</b>	<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

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

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

### 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

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Express Install - Inactive</b>
PARTICIPANT DEFINITION:	Completed Customer Project
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2018 - December 31, 2018

<b>Participation:</b>	<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
<b>YTD</b>	<b>0</b>
<b>PTD</b>	<b>114</b>

<b>Impacts</b>		
	<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

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

### COMMENTS:

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

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

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

## KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Retro-Commissioning - Inactive</b>
PARTICIPANT DEFINITION:	Customer Project
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2018 - December 31, 2018

<b>Participation:</b>	<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
<b>YTD</b>	<b>0</b>
<b>PTD</b>	<b>0</b>

<b>Impacts</b>		
	<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

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

### COMMENTS:

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

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

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

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

## KENTUCKY POWER COMPANY

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

<b>New Participants</b>	<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		
<b>YTD</b>	<b>0</b>	<b>0</b>
<b>PTD</b>	<b>80</b>	<b>4</b>

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

<b>Costs</b>			
<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
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$91,901</b>
<b>Lost Revenues:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$4,724</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,224</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,335</b>
<b>Total Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$101,184</b>

### COMMENTS:

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

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

## KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Commercial Incentive - Inactive</b>
PARTICIPANT DEFINITION:	Number of Participants Projects Installed
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2018 - December 31, 2018

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

<b>Impacts</b>		
	<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

<b>Costs</b>			
<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
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$4,744,863</b>
<b>Lost Revenues:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,761,578</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$315,014</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$102,031</b>
<b>Total Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$6,923,486</b>

### 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

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

<b>New Participants</b>		
	<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		
<b>YTD</b>	<b>0</b>	<b>0</b>
<b>PTD</b>	<b>242</b>	<b>84</b>

<b>Impacts</b>		
	<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

<b>Costs</b>			
<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
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$75,499</b>
<b>Lost Revenues:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$9,800</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,496</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,415</b>
<b>Total Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$91,210</b>

### 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

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

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

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

<b>Costs</b>			
<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
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$48,179</b>
<b>Lost Revenues:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$48,179</b>

### 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

<b>PROGRAM INFORMATION</b>	
PROGRAM:	Smart Audit - Commercial - Inactive
PARTICIPANT DEFINITION:	Number of Audits
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2018 - December 31, 2018

<b>New Participants</b>	<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
<b>YTD</b>	<b>0</b>	<b>0</b>
<b>PTD</b>	<b>1,952</b>	<b>194</b>

<b>Impacts</b>	<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

<b>Costs</b>	<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)
<b>Total Program Costs</b>	<b>0.00</b>	<b>0.00</b>	<b>1,290,681.00</b>
<b>Lost Revenues:</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Efficiency Incentive:</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Maximizing Incentive:</b>	<b>0.00</b>	<b>0.00</b>	<b>64,533.00</b>
<b>Total Costs</b>	<b>0.00</b>	<b>0.00</b>	<b>1,355,214.00</b>

**COMMENTS:**

This program was discontinued December 31, 2002.

## KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	Smart Incentive - Commercial - Inactive
PARTICIPANT DEFINITION:	Number of Incentives
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2018 - December 31, 2018

<b>New Participants</b>	<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
<b>YTD</b>	<b>0</b>	<b>0</b>
<b>PTD</b>	<b>182</b>	<b>69</b>

<b>Impacts</b>	<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

<b>Costs</b>	<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
<b>Total Program Costs</b>	<b>0.00</b>	<b>0.00</b>	<b>565,826.00</b>
<b>Lost Revenues:</b>	<b>0.00</b>	<b>442.00</b>	<b>891,458.00</b>
Efficiency Incentive:	0.00	1,078.00	88,039.00
Maximizing Incentive:	0.00	0.00	281.00
<b>Total Costs</b>	<b>0.00</b>	<b>1,520.00</b>	<b>1,545,604.00</b>

**COMMENTS:**

This program was discontinued December 31, 2002.



## KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	Smart Audit - Industrial - Inactive
PARTICIPANT DEFINITION:	Number of Audits
CUSTOMER SECTOR:	Industrial
REPORTING PERIOD:	January 1, 2018 - December 31, 2018

<b>New Participants</b>	<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
<b>YTD</b>	<b>0</b>	<b>0</b>
<b>PTD</b>	<b>60</b>	<b>4</b>

<b>Impacts</b>	<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

<b>Costs</b>	<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
<b>Total Program Costs</b>	<b>0.00</b>	<b>0.00</b>	<b>43,688.00</b>
<b>Lost Revenues:</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Efficiency Incentive:</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Maximizing Incentive:</b>	<b>0.00</b>	<b>0.00</b>	<b>2,186.00</b>
<b>Total Costs</b>	<b>0.00</b>	<b>0.00</b>	<b>45,874.00</b>

### COMMENTS:

This program was discontinued December 31, 1998.

## KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	Smart Incentive - Industrial - Inactive
PARTICIPANT DEFINITION:	Number of Incentives
CUSTOMER SECTOR:	Industrial
REPORTING PERIOD:	January 1, 2018 - December 31, 2018

<b>New Participants</b>		<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
<b>YTD</b>		<b>0</b>	<b>0</b>
<b>PTD</b>		<b>1</b>	<b>0</b>

<b>Impacts</b>		<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

<b>Costs</b>		<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
<b>Total Program Costs</b>		<b>0.00</b>	<b>0.00</b>	<b>32,114.00</b>
Lost Revenues:		0.00	0.00	0.00
Efficiency Incentive:		0.00	0.00	383.00
Maximizing Incentive:		0.00	0.00	655.00
<b>Total Costs</b>		<b>0.00</b>	<b>0.00</b>	<b>33,152.00</b>

### COMMENTS:

This program was discontinued December 31, 1998.

**KENTUCKY POWER COMPANY**  
**Demand Side Management**  
**Status Report**  
 As of September 30, 2019

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## **DEFINITIONS**

- 1) YTD Costs - Year-to-Date costs recorded through September 30, 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 September 30, 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 September 30, 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 9/30/2019 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, 2019

DESCRIPTION	YTD	PTD
Total Revenue Collected	<u>(\$814,835)</u>	<u>\$63,674,901</u>
Total Program Costs	\$250,018	\$42,732,710
Total Lost Revenues	\$217,951	\$15,867,849
Total Efficiency / Maximizing Incentive	\$1,680	\$4,512,288
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, 2019	<u>\$469,650</u>	<u>\$63,187,516</u>

**KENTUCKY POWER COMPANY**  
**SUMMARY INFORMATION (ALL PROGRAMS)**  
 As of September 30, 2019

DESCRIPTION	YTD		PTD	
Actual In-Place Energy Savings:	156,948	kWh	703,051,804	kWh
w/ T&D Line Losses:	170,446	kWh	766,116,479	kWh
Total kW Reductions:				
Winter	49	kW	45,305	kW
w/ T&D Line Losses:	55	kW	49,998	kW
Summer	24	kW	24,596	kW
w/ T&D Line Losses:	27	kW	27,262	kW

## KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Targeted Energy Efficiency</b>
PARTICIPANT DEFINITION:	Number of Households
CUSTOMER SECTOR:	Residential - Low Income
REPORTING PERIOD:	January 1, 2019 - September 30, 2019

<b>New Participants</b>		
	<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	0	0
Nov	0	0
Dec	0	0
<b>YTD</b>	<b>61</b>	<b>1</b>
<b>PTD</b>	<b>4,124</b>	<b>1,136</b>

<b>Impacts</b>		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	<b>170,446</b>	<b>91,495,277</b>
Anticipated Peak Demand (kW) Reduction:		
Summer	<b>27</b>	<b>1,159</b>
Winter	<b>55</b>	<b>3,556</b>

<b>Costs</b>			
<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:	\$250,018	\$0	\$5,297,470
Promotional:	\$0	\$0	\$0
Customer Incentives:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$9,553
<b>Total Program Costs</b>	<b>\$250,018</b>	<b>\$0</b>	<b>\$5,627,389</b>
<b>Lost Revenues:</b>	<b>\$14,165</b>	<b>\$1,944</b>	<b>\$1,077,095</b>
Efficiency Incentive:	\$1,680	\$184	\$192,665
Maximizing Incentive:	\$0	\$0	\$123,617
<b>Total Costs</b>	<b>\$265,864</b>	<b>\$2,128</b>	<b>\$7,020,767</b>

### 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

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Whole House Efficiency</b>
PARTICIPANT DEFINITION:	Participants
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2019 - September 30, 2019

<b>Audits &amp; Rebates:</b>	<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
<b>YTD</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>PTD</b>	<b>2,852</b>	<b>375</b>	<b>35</b>	<b>1,206</b>

<b>Impacts</b>		
	<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

<b>Costs</b>			
<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
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,154,853</b>
<b>Lost Revenues:</b>	<b>\$1,922</b>	<b>\$0</b>	<b>\$306,984</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$150,223</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Costs</b>	<b>\$1,922</b>	<b>\$0</b>	<b>\$3,612,060</b>

### 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

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>General Residential Administrative - Inactive</b>
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2019 - September 30, 2019

<b>Costs</b>			
<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			
<b>Total Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$282,532</b>

## 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

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Community Outreach - Inactive</b>
PARTICIPANT DEFINITION:	Number of Customers
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2019 - September 30, 2019

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

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

<b>Costs</b>			
<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
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$447,825</b>
<b>Lost Revenues:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$297,155</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$124,160</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,654</b>
<b>Total Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$870,794</b>

### 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

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Energy Education For Students - Inactive</b>
PARTICIPANT DEFINITION:	Number of Students receiving EE kits
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2019 - September 30, 2019

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

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

<b>Costs</b>			
<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
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$276,412</b>
<b>Lost Revenues:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$117,539</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$38,569</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,874</b>
<b>Total Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$434,394</b>

### 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 - September 30, 2019

<b>New Participants</b>		<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
	<b>YTD</b>	<b>0</b>	<b>65,000</b>
	<b>PTD</b>	<b>65,000</b>	<b>65,000</b>

<b>Impacts</b>		
	<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

<b>Costs</b>			
<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
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,649,331</b>
<b>Lost Revenues:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,463,215</b>
Efficiency Incentive:	\$0	\$0	\$205,451
Maximizing Incentive:	\$0	\$0	\$0
<b>Total Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,317,997</b>

### 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

<b>PROGRAM INFORMATION</b>	
PROGRAM:	Residential Efficient Products - Inactive
PARTICIPANT DEFINITION:	Number of Units purchased
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2019 - September 30, 2019

<b>New Participants</b>					
	<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	
<b>YTD</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>PTD</b>	<b>1,572,315</b>	<b>397,175</b>	<b>35,190</b>	<b>1,434</b>	

	<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	
<b>YTD</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>PTD</b>	<b>70</b>	<b>565</b>	<b>444</b>	<b>113</b>	<b>20</b>	

<b>Impacts</b>			
	<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	

<b>Costs</b>			
<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
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$5,514,364</b>
<b>Lost Revenues:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,275,979</b>
Efficiency Incentive:	\$0	\$0	\$1,191,934
Maximizing Incentive:	\$0	\$0	\$15,685
<b>Total Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$9,997,962</b>

### 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

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Appliance Recycling - Inactive</b>
PARTICIPANT DEFINITION:	Number of Units Recycled
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2019 - September 30, 2019

<b>New Recycled Units</b>		<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
	<b>YTD</b>	<b>0</b>	<b>0</b>
	<b>PTD</b>	<b>1,170</b>	<b>308</b>

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

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

### 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

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>New Manufactured Homes - Inactive</b>
PARTICIPANT DEFINITION:	Homes
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2019 - September 30, 2019

<b>Manufactured Homes:</b>	<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
<b>YTD</b>	<b>0</b>	<b>0</b>
<b>PTD</b>	<b>107</b>	<b>21</b>

<b>Impacts</b>		
	<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

<b>Costs</b>			
<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
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$259,826</b>
<b>Lost Revenues:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$20,156</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$13,569</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$293,551</b>

### 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

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>High Efficiency Heat Pump - Mobile Home - Inactive</b>
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2019 - September 30, 2019

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

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

<b>Costs</b>			
<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
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,606,656</b>
<b>Lost Revenues:</b>	<b>\$0</b>	<b>\$5,820</b>	<b>\$875,167</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$18,331</b>	<b>\$355,268</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Costs</b>	<b>\$0</b>	<b>\$24,151</b>	<b>\$2,837,091</b>

### 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

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Mobile Home New Construction - Inactive</b>
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2019 - September 30, 2019

<b>New Participants</b>			
	<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			
<b>YTD</b>	<b>0</b>	<b>0</b>	
<b>PTD</b>	<b>2,894</b>	<b>2</b>	

<b>Impacts</b>		
	<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

<b>Costs</b>			
<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
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,686,353</b>
<b>Lost Revenues:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$796,499</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$223,411</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,580</b>
<b>Total Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,708,843</b>

### 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

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Modified Energy Fitness - Inactive</b>
PARTICIPANT DEFINITION:	Number of Home Audits
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2019 - September 30, 2019

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

<b>Impacts</b>		
	<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

<b>Costs</b>			
<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
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$5,737,089</b>
<b>Lost Revenues:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,582,579</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$387,254</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$8</b>
<b>Total Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$7,706,930</b>

### 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

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>High Efficiency Heat Pumps - Inactive</b>
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2019 - September 30, 2019

<b>New Participants</b>	<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		
<b>YTD</b>	<b>0</b>	<b>0</b>
<b>PTD</b>	<b>1,374</b>	<b>2,792</b>

<b>Impacts</b>	<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

<b>Costs</b>			
<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
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,929,675</b>
<b>Lost Revenues:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$578,492</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$351,883</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$17,177</b>
<b>Total Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,877,227</b>

### 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

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Residential HVAC Diagnostic and Tune-up - Inactive</b>
PARTICIPANT DEFINITION:	Number of Units receiving service
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2019 - September 30, 2019

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

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

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

### 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

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Pilot Residential Load Management - Inactive</b>
PARTICIPANT DEFINITION:	Number of Switches Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2019 - September 30, 2019

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

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

<b>Costs</b>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
<b>Description</b>			
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
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$338,927</b>
<b>Lost Revenues:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$338,927</b>

### 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

<b>PROGRAM INFORMATION</b>	
PROGRAM:	Energy Fitness - Inactive
PARTICIPANT DEFINITION:	Number of Households
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2019 - September 30, 2019

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

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

<b>Costs</b>			
<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
<b>Total Program Costs</b>	<b>0.00</b>	<b>0.00</b>	<b>685,113.00</b>
<b>Lost Revenues:</b>	<b>0.00</b>	<b>(19,322.00)</b>	<b>363,029.00</b>
<b>Efficiency Incentive:</b>	<b>0.00</b>	<b>(46,349.00)</b>	<b>63,482.00</b>
<b>Maximizing Incentive:</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Total Costs</b>	<b>0.00</b>	<b>(65,671.00)</b>	<b>1,111,624.00</b>

**COMMENTS:**

This program was discontinued May 14, 1999.

## KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Compact Fluorescent Bulb - Inactive</b>
PARTICIPANT DEFINITION:	Number of Bulbs Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2019 - September 30, 2019

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

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

<b>Costs</b>			
	<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
<b>Total Program Costs</b>	<b>0.00</b>	<b>0.00</b>	<b>15,081.00</b>
<b>Lost Revenues:</b>	<b>0.00</b>	<b>25.00</b>	<b>1,605.00</b>
<b>Efficiency Incentive:</b>	<b>0.00</b>	<b>8.00</b>	<b>433.00</b>
<b>Maximizing Incentive:</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Total Costs</b>	<b>0.00</b>	<b>33.00</b>	<b>17,119.00</b>

**COMMENTS:**

This program was discontinued December 31, 1996

## KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>High Efficiency Heat Pumps Retro - Inactive</b>
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2019 - September 30, 2019

<b>New Participants</b>	<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
<b>YTD</b>	<b>0</b>	<b>0</b>
<b>PTD</b>	<b>1,367</b>	<b>929</b>

<b>Impacts</b>	<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

<b>Costs</b>	<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
<b>Total Program Costs</b>	<b>0.00</b>	<b>0.00</b>	<b>214,312.00</b>
<b>Lost Revenues:</b>	<b>0.00</b>	<b>(269.00)</b>	<b>368,960.00</b>
Efficiency Incentive:	0.00	(2,196.00)	48,017.00
Maximizing Incentive:	0.00	0.00	5.00
<b>Total Costs</b>	<b>0.00</b>	<b>(2,465.00)</b>	<b>631,294.00</b>

**COMMENTS:**

This program was discontinued December 31, 2001.



## KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>CI Prescriptive Custom</b>
PARTICIPANT DEFINITION:	Number of Participants Projects Installed
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2019 - September 30, 2019

<b>New Participants</b>	<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
<b>YTD</b>	<b>0</b>
<b>PTD</b>	<b>594</b>

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

<b>Costs</b>	<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
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$4,122,633</b>
<b>Lost Revenues:</b>	<b>\$173,167</b>	<b>\$0</b>	<b>\$1,505,340</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$363,564</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Costs</b>	<b>\$173,167</b>	<b>\$0</b>	<b>\$5,991,537</b>

### 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

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>New Construction</b>
PARTICIPANT DEFINITION:	Completed Customer Project
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2019 - September 30, 2019

<b>Participation:</b>	<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
<b>YTD</b>	<b>0</b>
<b>PTD</b>	<b>35</b>

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

<b>Costs</b>			
<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
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$254,655</b>
<b>Lost Revenues:</b>	<b>\$28,697</b>	<b>\$0</b>	<b>\$137,934</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$23,931</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Costs</b>	<b>\$28,697</b>	<b>\$0</b>	<b>\$416,520</b>

### 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

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>General Commercial Administrative - Inactive</b>
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2019 - September 30, 2019

<b>Costs</b>			
<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
<b>Total Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$291,078</b>

## 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

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Commercial Appliance Recycling - Inactive</b>
PARTICIPANT DEFINITION:	Number of Units Recycled
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2019 - September 30, 2019

<b>New Recycled Units</b>	<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
<b>YTD</b>	<b>0</b>	<b>0</b>
<b>PTD</b>	<b>0</b>	<b>0</b>

<b>Impacts</b>		
	<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

<b>Costs</b>			
<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
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Lost Revenues:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

### 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

<b>PROGRAM INFORMATION</b>	
PROGRAM:	School Energy Manager Program - Inactive
PARTICIPANT DEFINITION:	School District Participation
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2019 - September 30, 2019

<b>Participating Schools</b>	<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

<b>Impacts</b>		
	<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

<b>Costs</b>			
<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
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$412,882</b>
<b>Lost Revenues:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$113,490</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,594</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$528,966</b>

### 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

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Express Install - Inactive</b>
PARTICIPANT DEFINITION:	Completed Customer Project
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2019 - September 30, 2019

<b>Participation:</b>	<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
<b>YTD</b>	<b>0</b>
<b>PTD</b>	<b>114</b>

<b>Impacts</b>		
	<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

<b>Costs</b>			
<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
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$758,398</b>
<b>Lost Revenues:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$208,781</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$6,741</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$973,920</b>

### 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

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Retro-Commissioning - Inactive</b>
PARTICIPANT DEFINITION:	Customer Project
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2019 - September 30, 2019

<b>Participation:</b>	<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
<b>YTD</b>	<b>0</b>
<b>PTD</b>	<b>0</b>

<b>Impacts</b>		
	<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

<b>Costs</b>			
<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
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$73,605</b>
<b>Lost Revenues:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$73,605</b>

### 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

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Commercial High Efficiency HP/AC - Inactive</b>
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2019 - September 30, 2019

<b>New Participants</b>	<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		
<b>YTD</b>	<b>0</b>	<b>0</b>
<b>PTD</b>	<b>80</b>	<b>4</b>

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

<b>Costs</b>			
<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
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$91,901</b>
<b>Lost Revenues:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$4,724</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,224</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,335</b>
<b>Total Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$101,184</b>

### 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

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Commercial Incentive - Inactive</b>
PARTICIPANT DEFINITION:	Number of Participants Projects Installed
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2019 - September 30, 2019

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

<b>Impacts</b>		
	<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

<b>Costs</b>			
<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
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$4,744,863</b>
<b>Lost Revenues:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,761,578</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$315,014</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$102,031</b>
<b>Total Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$6,923,486</b>

### 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

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Commercial HVAC Diagnostic and Tune-up - Inactive</b>
PARTICIPANT DEFINITION:	Number of Units receiving service
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2019 - September 30, 2019

<b>New Participants</b>		
	<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		
<b>YTD</b>	<b>0</b>	<b>0</b>
<b>PTD</b>	<b>242</b>	<b>84</b>

<b>Impacts</b>		
	<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

<b>Costs</b>			
<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
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$75,499</b>
<b>Lost Revenues:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$9,800</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,496</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,415</b>
<b>Total Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$91,210</b>

### 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

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Pilot Commercial Load Management - Inactive</b>
PARTICIPANT DEFINITION:	Number of Switches Installed
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2019 - September 30, 2019

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

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

<b>Costs</b>			
<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
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$48,179</b>
<b>Lost Revenues:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$48,179</b>

### 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

<b>PROGRAM INFORMATION</b>	
PROGRAM:	Smart Audit - Commercial - Inactive
PARTICIPANT DEFINITION:	Number of Audits
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2019 - September 30, 2019

<b>New Participants</b>	<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
<b>YTD</b>	<b>0</b>	<b>0</b>
<b>PTD</b>	<b>1,952</b>	<b>194</b>

<b>Impacts</b>	<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

<b>Costs</b>	<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)
<b>Total Program Costs</b>	<b>0.00</b>	<b>0.00</b>	<b>1,290,681.00</b>
<b>Lost Revenues:</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Efficiency Incentive:	0.00	0.00	0.00
Maximizing Incentive:	0.00	0.00	64,533.00
<b>Total Costs</b>	<b>0.00</b>	<b>0.00</b>	<b>1,355,214.00</b>

**COMMENTS:**

This program was discontinued December 31, 2002.

## KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	Smart Incentive - Commercial - Inactive
PARTICIPANT DEFINITION:	Number of Incentives
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2019 - September 30, 2019

<b>New Participants</b>	<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
<b>YTD</b>	<b>0</b>	<b>0</b>
<b>PTD</b>	<b>182</b>	<b>69</b>

<b>Impacts</b>	<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

<b>Costs</b>	<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
<b>Total Program Costs</b>	<b>0.00</b>	<b>0.00</b>	<b>565,826.00</b>
<b>Lost Revenues:</b>	<b>0.00</b>	<b>442.00</b>	<b>891,458.00</b>
Efficiency Incentive:	0.00	1,078.00	88,039.00
Maximizing Incentive:	0.00	0.00	281.00
<b>Total Costs</b>	<b>0.00</b>	<b>1,520.00</b>	<b>1,545,604.00</b>

**COMMENTS:**

This program was discontinued December 31, 2002.

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	Smart Audit - Industrial - Inactive
PARTICIPANT DEFINITION:	Number of Audits
CUSTOMER SECTOR:	Industrial
REPORTING PERIOD:	January 1, 2019 - September 30, 2019

<b>New Participants</b>	<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
<b>YTD</b>	<b>0</b>	<b>0</b>
<b>PTD</b>	<b>60</b>	<b>4</b>

<b>Impacts</b>		
	<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

<b>Costs</b>			
<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
<b>Total Program Costs</b>	<b>0.00</b>	<b>0.00</b>	<b>43,688.00</b>
<b>Lost Revenues:</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Efficiency Incentive:</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Maximizing Incentive:</b>	<b>0.00</b>	<b>0.00</b>	<b>2,186.00</b>
<b>Total Costs</b>	<b>0.00</b>	<b>0.00</b>	<b>45,874.00</b>

**COMMENTS:**

This program was discontinued December 31, 1998.

## KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	Smart Incentive - Industrial - Inactive
PARTICIPANT DEFINITION:	Number of Incentives
CUSTOMER SECTOR:	Industrial
REPORTING PERIOD:	January 1, 2019 - September 30, 2019

<b>New Participants</b>		<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
<b>YTD</b>		<b>0</b>	<b>0</b>
<b>PTD</b>		<b>1</b>	<b>0</b>

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

<b>Costs</b>		<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
<b>Total Program Costs</b>		<b>0.00</b>	<b>0.00</b>	<b>32,114.00</b>
<b>Lost Revenues:</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Efficiency Incentive:		0.00	0.00	383.00
Maximizing Incentive:		0.00	0.00	655.00
<b>Total Costs</b>		<b>0.00</b>	<b>0.00</b>	<b>33,152.00</b>

### COMMENTS:

This program was discontinued December 31, 1998.

### DSM Budget

<b>2020 Program Year</b>	<b>Sum of First Half Year</b>	<b>Sum of Second Half Year</b>	<b>Forecasted Budget</b>
<b>Total Expense</b>			
<b>Commercial</b>			
<b>Commercial Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Residential</b>			
Targeted Energy Efficiency	135,800.00	191,000.00	326,800.00
<b>Residential Total</b>	<b>135,800.00</b>	<b>191,000.00</b>	<b>326,800.00</b>
<b>Expense Total</b>	<b>135,800.00</b>	<b>191,000.00</b>	<b>326,800.00</b>



KENTUCKY POWER COMPANY

P.S.C. KY. NO. 11 ~~1<sup>st</sup>~~<sup>2<sup>nd</sup></sup> Revised SHEET NO. 22-1  
CANCELLING P.S.C. KY. NO. 11 ~~ORIGINAL~~<sup>1<sup>st</sup></sup> 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:

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

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, ~~2020~~2019. (Cont'd on Sheet No. 22-2)

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KENTUCKY POWER COMPANY

P.S.C. KY. NO. 11 ~~2<sup>nd</sup> 1<sup>st</sup>~~-Revised SHEET NO. 22-2  
 CANCELLING P.S.C. KY. NO. 11 ~~1<sup>st</sup> Revised~~ ORIGINAL SHEET  
 NO. 22-2

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**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)	<del>\$361,342(4,044,787)</del>	<del>\$163,226(27,213)</del>	- 0 -
S (c)	<del>1,937,062,073(4,996,649,216)</del>	<del>1,221,884,520(4,248,708,779)</del>	- 0 -
Adjustment Factor	\$ (0.000 <del>187523</del> )	\$ (0.000 <del>134923</del> )	- 0 -

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\* 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)

KENTUCKY POWER COMPANY

P.S.C. KY. NO. 11 2<sup>nd</sup> Revised SHEET NO. 22-1CANCELLING P.S.C. KY. NO. 11 1<sup>st</sup> 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. T
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, 2020. (Cont'd on 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:

CUSTOMER SECTOR

	<u>RESIDENTIAL</u>	<u>COMMERCIAL</u>	<u>INDUSTRIAL*</u>	
<u>DSM (c)</u>	\$361,342	\$163,226	- 0 -	<b>T</b>
S (c)	1,937,062,073	1,221,884,520	- 0 -	<b>T</b>
Adjustment Factor	\$ 0.000187	\$ 0.000134	- 0 -	<b>I</b>

\* 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)