

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. 2021-00420
With The Implementation Of Its Demand-Side)	
Management Programs; (3) Acceptance Of Its)	
Annual DSM Status Report; (4) Authorization)	
To Conduct A Market Potential Study; And (5))	
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, 2022 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 and approving the proposed tariff changes; (3) approving the modification of Kentucky Power Company’s residential DSM factor to \$0.000139 per kWh to permit the recovery through the Company’s Demand-Side Management Adjustment Clause of Kentucky Power’s full costs, including lost revenues, associated with the Company’s residential demand-side management (“DSM”)/energy efficiency (“EE”) program; (4) approving the elimination of Kentucky Power Company’s commercial DSM factor; (5) authorizing Kentucky Power to defer and establish a regulatory asset or regulatory liability, as the case may be, in the amount of any

final commercial DSM program under-recovery or over-recovery; (6) accepting the Company's annual DSM status reports; (7) authorizing the Company to conduct a market potential study and further authorizing the Company to recover its reasonable costs incurred in connection with the conduct of an authorized market potential study; and (8) granting all other required approvals and relief.

Kentucky Power states:

APPLICANT

1. Kentucky Power is a corporation organized under the laws of the Commonwealth of Kentucky.¹ The Company is in good standing in the Commonwealth.
2. The post office address of Kentucky Power is 1645 Winchester Avenue, Ashland, Kentucky 41101. The Company's electronic mail address is kentucky_regulatory_services@aep.com.
3. Kentucky Power is engaged in the generation, purchase, transmission, distribution and sale of electric power. Kentucky Power serves approximately 165,000 customers in the following 20 counties of eastern Kentucky: Boyd, Breathitt, Carter, Clay, Elliott, Floyd, Greenup, Johnson, Knott, Lawrence, Leslie, Letcher, Lewis, Magoffin, Martin, Morgan, Owsley, Perry, Pike and Rowan. Kentucky Power also supplies electric power at wholesale to other utilities and municipalities in Kentucky for resale. Kentucky Power is a utility as that term is defined at KRS 278.010.

¹ The Company's October 20, 2021 Certificate of Existence is filed as **Exhibit 1** to this Application.

KENTUCKY POWER'S EXISTING DSM/ENERGY EFFICIENCY PROGRAMS

4. Kentucky Power has offered DSM and EE programs since 1994.
5. On February 23, 2017, the Commission initiated an electronic investigation of the reasonableness of the Company's DSM programs and the rates associated with those programs in Case No. 2017-00097 (the "DSM Investigation").² On November 2, 2017, the Commission issued an Order in the DSM Investigation that, among other things, suspended all new DSM program activity during the pendency of the DSM Investigation.³ On January 18, 2018, the Commission issued an Order in the DSM Investigation directing Kentucky Power to "eliminate offering any DSM programs, other than those programs that target income-eligible residential customers until there is a change in Kentucky Power's capacity position that indicates a need for additional generation to serve its load."⁴ The TEE Program targets income-eligible residential customers.
6. By order dated December 21, 2018 in Case No. 2020-00362,⁵ and consistent with the Commission's January 18, 2018 Order in the DSM Investigation, the Commission approved continuation of the Company's TEE Program through December 31, 2021.

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

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

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

⁵ *In the Matter Of: Electronic Application Of Kentucky Power Company For (1) Approval Of Continuation Of Its Targeted Energy Efficiency Program; (2) Authority To Recover Costs And Net Lost Revenues, And To Receive Incentives Associated With The Implementation Of Its Demand-Side Management Programs; (3) Acceptance Of Its Annual DSM Status Report; And (4) All Other Required Approvals And Relief*, Order at 4, Case No. 2020-00362 (Ky. P.S.C. Dec. 29, 2020).

DSM/EE PROGRAM OPERATIONS

7. For the 12 months ended September 30, 2021, the Company recovered \$292,796 from its residential customers through the DSM factor. For the same period, Kentucky Power's net residential DSM program costs, incentive payments, and realized lost revenues totaled \$271,673.

8. A copy of the Company's 2020 and 2021 DSM/EE Status Report is attached as **Exhibit 2**.

9. Kentucky Power's TEE Program is administered in conformity with the Company's tariff.⁶

THE PROPOSED CONTINUATION OF THE TEE PROGRAM AND PROPOSED TARIFF MODIFICATIONS

10. Kentucky Power seeks authority to continue its existing TEE Program through December 31, 2022. The manner in which the Company proposes to operate its TEE program will be unchanged. Kentucky Power proposes within the existing program framework to reduce the number of heat pump to heat pump exchanges while increasing the number of central furnace to heat pump exchanges.

11. Kentucky Power also seeks approval to increase its TEE Program's budget from its current level of \$274,400 to \$281,000 in 2022. The requested budget will allow for 98 participants in the program in 2022.

12. The 2021 budget provided for 104 participants. The Company proposes to reduce the number of participants in 2022 to 98 based upon the 2021 participation levels. Kentucky Power is reallocating the TEE funds between heat pump to heat pump exchanges and central

⁶ P.S.C. Ky. No. 12 Original Sheet No. 22-3.

furnace to heat pump exchanges based on the 2021 demand. Through September 2021 there were 53 central furnace to heat pump exchanges and zero heat pump to heat pump exchanges.

13. The Company proposes to allocate the 2022 TEE program heat pump exchange slots as follows: five for heat pump to heat pump exchanges and 60 for central furnace to heat pump exchanges. This allocation reflects 2021 program activity.

14. The small increase in the proposed 2022 budget despite the proposed decrease in participants reflects the larger benefit paid for central furnace to heat pump exchanges.

Customers electing a heat pump to heat pump exchange receive a payment of up to \$1,600.

Customers electing a central furnace to heat pump exchange receive a benefit of up to \$2,600.

15. The estimated budget for the TEE Program is attached as **Exhibit 3**.

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

17. The Company requests that its full costs associated with the Company's DSM portfolio, as that term is defined in the Company's Tariff D.S.M.C., 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 are attached as **Exhibit 4**.

18. Kentucky Power proposes to increase the residential DSM surcharge factor from \$0.000131 per kWh to \$0.000139 per kWh. As discussed below, the Company proposes to eliminate its commercial DSM program factor effective cycle 1 of the January 2022 billing cycle.

19. Support for the calculation of the proposed DSM surcharge factors is provided in **Exhibit 5**.

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

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

COMMERCIAL DSM FACTOR

22. The Commission's January 18, 2018 Order in Case No. 2017-00097 eliminated, *inter alia*, the Company's commercial DSM programs.

23. That same Order authorized the Company to continue recover or refund any under-recovery or over-recovery, respectively, in connection with its discontinued commercial DSM programs. In addition, subject to certain limitations, the Company was authorized to recover commercial DSM program lost revenues and incentives.⁷

24. The Company's currently authorized commercial DSM factor is 0.000018 per kWh.

25. Kentucky Power proposes to eliminate its commercial DSM program factor effective cycle 1 of the January 2022 billing cycle. All commercial program costs have been recovered and the Company is no longer authorized to recover lost revenues and incentives associated with the Company's former commercial DSM programs. Kentucky Power estimates that at the end of December 2021 billing the commercial DSM program balance will be an over-recovery of approximately \$2,855.00.

26. It is not practicable to eliminate this small credit balance through bill credits. No single billing will be precise enough to zero out the balance and successive monthly billings

⁷ Order, *DSM Investigation* at 16 (Ky. P.S.C. January 18, 2018).

likely will result in an over-recovery or under-recovery each month because of variations in monthly kWh usage by commercial customers and the need to employ a finite kWh rate.

27. The Company proposes to defer any final 2021 commercial DSM program over-recovery or under-recovery until its 2022 annual DSM filing (for the 2023 calendar year) when it will address the application of the balance. Kentucky Power thus requests authority to defer the under-recovery or over-recovery and to establish a regulatory asset or liability, as the case may be, in the amount of the final December 2021 commercial DSM balance.

ANNUAL DSM STATUS REPORT

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

MARKET POTENTIAL STUDY

29. The Commission's January 18, 2018 Order in Case No. 2017-00097 directed the Company to "eliminate offering any DSM programs, other those programs that target income eligible residential customers, until there is a change in Kentucky Power's capacity position that indicates a need for additional generation to serve its load."⁸

30. The Rockport Unit Power Agreement ("Rockport UPA") expires December 7, 2022. Kentucky Power anticipates that following the expiration of the Rockport UPA it will be in a deficit capacity position. The Company will require additional capacity in the form of additional generation or contract capacity following the expiration of the Rockport UPA.

31. A market potential study will enable Kentucky Power to identify the "real world" potential for DSM and EE programs in the Company's service territory to address this capacity need. The market potential study will take into account the technical feasibility of programs,

⁸ *Id.* at 13.

their cost-effectiveness, market and adoption barriers, and program design, budget, staffing, and time constraints in determining the potential of DSM and EE programs. A market potential study is a necessary prerequisite to the Company identifying cost-effective DSM and EE programs for the Company's service territory.

32. The most recent Kentucky Power market potential study was conducted in 2014. Market potential studies represent a snapshot in time. This most recent market potential study is no longer current and cannot serve as a reasonable basis for the identification and implementation by the Company of DSM and EE programs.

33. Because Kentucky Power has not offered any DSM or EE programs, other than the TEE program, since early 2018 it cannot increase the potential DSM and EE savings through "ramping up" multiple existing DSM and EE programs.

34. The January 18, 2018 Order in Case No. 2017-00097 also provided that "[f]uture DSM programs should include robust targeted programs that assist participation by low-income customers...."⁹

35. The proposed market potential study will enable Kentucky Power to identify the potential for DSM and EE programs that assist low-income customers of Kentucky Power.

36. Kentucky Power will issue a request for proposals to conduct the market potential study if the Commission grants the Company's request for authority to conduct one.

37. A market potential study is a reasonable prerequisite to the identification and implementation of DSM and EE programs. As such, its reasonable costs are recoverable under KRS 278.285(2)(a). The Company will present the costs of any Commission-authorized market

⁹ *Id.* at 15.

potential study to the Commission for review and approval in a future DSM application by Kentucky Power.

TESTIMONY

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

EXHIBITS

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

COMMUNICATIONS

40. Kentucky Power respectfully requests that communications in this matter be addressed to the e-mail addresses identified on Kentucky Power's November 5, 2021 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, 2022;

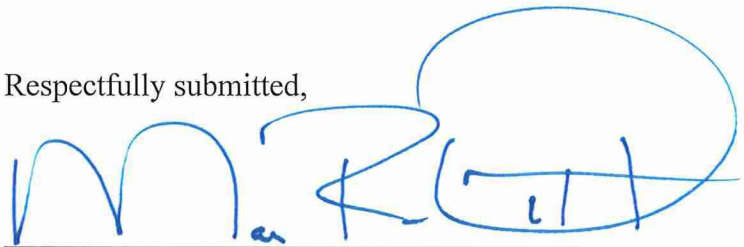
(2) approving the modification of Kentucky Power Company's residential DSM factor to \$0.000139 per kWh to permit the recovery through the Company's Demand-Side Management Adjustment Clause of Kentucky Power's full costs, including lost revenues, associated with the Company's residential DSM/EE portfolio;

(3) approving the elimination of Kentucky Power Company's commercial DSM factor;

(4) authorizing Kentucky Power to defer and establish a regulatory asset or regulatory liability in the amount of any final commercial DSM program under-recovery or over-recovery;

- (5) modifying Tariff Sheet Nos. 22-1 and 22-2;
- (6) accepting the Company's annual DSM Status Reports;
- (7) authorizing the Company to conduct a market potential study and further authorizing the Company to recover its reasonable costs incurred in connection with the conduct of an authorized market potential study; and
- (8) granting all other required relief or approvals.

Respectfully submitted,



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COUNSEL FOR KENTUCKY POWER
COMPANY

APPENDIX

- Exhibit 1** October 20, 2021 Certificate of Existence
- Exhibit 2** DSM Status Reports (2020 & 2021)
- Exhibit 3** DSM Program budget for 2022
- Exhibit 4** Tariff sheets (Red-lined and Clean)
- Exhibit 5** Schedule C

Commonwealth of Kentucky
Michael G. Adams, Secretary of State

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

Certificate of Existence

Authentication number: 256632

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

I, Michael G. Adams, Secretary of State of the Commonwealth of Kentucky, do hereby certify that according to the records in the Office of the Secretary of State,

KENTUCKY POWER COMPANY

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

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

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal at Frankfort, Kentucky, this 20th day of October, 2021, in the 230th year of the Commonwealth.



Michael G. Adams

Michael G. Adams
Secretary of State
Commonwealth of Kentucky
256632/0028317

**KENTUCKY POWER COMPANY
Demand Side Management
Status Report**

As of December 31, 2020

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8	Energy Education for Students - Inactive
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DEFINITIONS

- 1) YTD Costs - Year-to-Date costs recorded through December 31, 2020.
- 2) YTD Impacts - Estimated in place load impacts for Year-to-Date participants.
- 3) PTD Costs - Costs recorded from the inception of the program through December 31, 2020
- 4) PTD Impacts - Estimated in place load impacts for Program-to-Date participants.

COMMENTS

Our calculations are based on actual participants and costs as of December 31, 2020.

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

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

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

The individual DSM lost revenue, efficiency incentive and maximizing incentives as of June 30, 1997 are calculated based on the initial values from Exhibit E in the joint application, filed September 27, 1995. A retroactive adjustment of the initial values of the efficiency incentives and net lost revenue kWh impacts was used for each program for the first eighteen months (1/1/96 to 6/30/97). The lost revenue, efficiency incentive and maximizing incentive for the period 1/1/2019 to 12/31/2019 are calculated using the revised values contained in Schedule C of this status report.

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

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

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

As of December 31, 2020

DESCRIPTION	YTD	PTD
Total Revenue Collected	<u>\$402,923</u>	<u>\$63,811,044</u>
Total Program Costs	\$199,960	\$42,967,452
Total Lost Revenues	\$303,514	\$16,245,245
Total Efficiency / Maximizing Incentive	\$1,301	\$4,514,077
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, 2020	<u>\$504,775</u>	<u>\$63,801,442</u>

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

As of December 31, 2020

DESCRIPTION	YTD		PTD	
Actual In-Place Energy Savings:	121,508	kWh	703,196,095	kWh
w/ T&D Line Losses:	131,958	kWh	766,273,179	kWh
Total kW Reductions:				
Winter	38	kW	45,350	kW
w/ T&D Line Losses:	42	kW	50,048	kW
Summer	19	kW	24,619	kW
w/ T&D Line Losses:	21	kW	27,287	kW

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Targeted Energy Efficiency
PARTICIPANT DEFINITION:	Number of Households
CUSTOMER SECTOR:	Residential - Low Income
REPORTING PERIOD:	January 1, 2020 - December 31, 2020

New Participants		
	<u>All Electric</u>	<u>Non All Electric</u>
Jan	4	0
Feb	4	0
Mar	4	0
Apr	0	0
May	0	0
Jun	8	0
Jul	4	0
Aug	5	0
Sep	3	0
Oct	6	0
Nov	5	0
Dec	5	0
YTD	48	0
PTD	4,180	1,137

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	131,958	91,651,977
Anticipated Peak Demand (kW) Reduction:		
Summer	21	1,184
Winter	42	3,606

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$320,366
Equipment/Vendor:	\$199,960	\$0	\$5,532,212
Promotional:	\$0	\$0	\$0
Customer Incentives:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$9,553
Total Program Costs	\$199,960	\$0	\$5,862,131
Lost Revenues:	\$29,334	\$1,944	\$1,112,590
Efficiency Incentive:	\$1,301	\$184	\$194,454
Maximizing Incentive:	\$0	\$0	\$123,617
Total Costs	\$230,595	\$2,128	\$7,292,792

COMMENTS:

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

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Whole House Efficiency
PARTICIPANT DEFINITION:	Participants
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2020 - December 31, 2020

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

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

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$93,071
Equipment/Vendor:	\$0	\$0	\$2,247,964
Promotional:	\$0	\$0	\$378,404
Customer Incentives:	\$0	\$0	\$435,414
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$3,154,853
Lost Revenues:	\$2,562	\$0	\$310,185
Efficiency Incentive:	\$0	\$0	\$150,223
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$2,562	\$0	\$3,615,261

COMMENTS:

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

The program delivers three options:

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

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

KENTUCKY POWER COMPANY**PROGRAM INFORMATION**

PROGRAM:	General Residential Administrative - Inactive
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2020 - December 31, 2020

Costs

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

COMMENTS:

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Community Outreach - Inactive
PARTICIPANT DEFINITION:	Number of Customers
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2020 - December 31, 2020

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

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

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

COMMENTS:

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Energy Education For Students - Inactive
PARTICIPANT DEFINITION:	Number of Students receiving EE kits
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2020 - December 31, 2020

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

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

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

COMMENTS:

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Home Performance - Inactive
PARTICIPANT DEFINITION:	Customer Accounts
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2020 - December 31, 2020

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

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

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$38,374
Equipment/Vendor:	\$0	\$0	\$1,610,957
Promotional:	\$0	\$0	\$0
Customer Incentives:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$1,649,331
Lost Revenues:	\$0	\$0	\$1,463,215
Efficiency Incentive:	\$0	\$0	\$205,451
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$0	\$0	\$3,317,997

COMMENTS:

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Residential Efficient Products - Inactive
PARTICIPANT DEFINITION:	Number of Units purchased
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2020 - December 31, 2020

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

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

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

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

COMMENTS:

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Appliance Recycling - Inactive
PARTICIPANT DEFINITION:	Number of Units Recycled
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2020 - December 31, 2020

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

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

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$6,084
Equipment/Vendor:	\$0	\$0	\$126,113
Promotional:	\$0	\$0	\$21,110
Customer Incentives:	\$0	\$0	\$82,305
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$235,612
Lost Revenues:	\$0	\$0	\$67,608
Efficiency Incentive:	\$0	\$0	\$5,902
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$0	\$0	\$309,122

COMMENTS:

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	New Manufactured Homes - Inactive
PARTICIPANT DEFINITION:	Homes
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2020 - December 31, 2020

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

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

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$10,883
Equipment/Vendor:	\$0	\$0	\$163,749
Promotional:	\$0	\$0	\$6,694
Customer Incentives:	\$0	\$0	\$78,500
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$259,826
Lost Revenues:	\$0	\$0	\$20,156
Efficiency Incentive:	\$0	\$0	\$13,569
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$0	\$0	\$293,551

COMMENTS:

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	High Efficiency Heat Pump - Mobile Home - Inactive
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2020 - December 31, 2020

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

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

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

COMMENTS:

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

This program was combined with the Whole House Efficiency program.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Mobile Home New Construction - Inactive
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2020 - December 31, 2020

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

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

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

COMMENTS:

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

This program was combined with the New Manufactured Homes program.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Modified Energy Fitness - Inactive
PARTICIPANT DEFINITION:	Number of Home Audits
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2020 - December 31, 2020

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

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

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

COMMENTS:

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

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

The program was combined with the Whole House Efficiency program.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	High Efficiency Heat Pumps - Inactive
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2020 - December 31, 2020

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

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

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

COMMENTS:

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

The program was combined with the Whole House Efficiency program.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Residential HVAC Diagnostic and Tune-up - Inactive
PARTICIPANT DEFINITION:	Number of Units receiving service
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2020 - December 31, 2020

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

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

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

COMMENTS:

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Pilot Residential Load Management - Inactive
PARTICIPANT DEFINITION:	Number of Switches Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2020 - December 31, 2020

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

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

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

COMMENTS:

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Energy Fitness - Inactive
PARTICIPANT DEFINITION:	Number of Households
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2020 - December 31, 2020

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

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

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

COMMENTS:

This program was discontinued May 14, 1999.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Compact Fluorescent Bulb - Inactive
PARTICIPANT DEFINITION:	Number of Bulbs Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2020 - December 31, 2020

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

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

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

COMMENTS:

This program was discontinued December 31, 1996

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	High Efficiency Heat Pumps Retro - Inactive
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2020 - December 31, 2020

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

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

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

COMMENTS:

This program was discontinued December 31, 2001.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	CI Prescriptive Custom
PARTICIPANT DEFINITION:	Number of Participants Projects Installed
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2020 - December 31, 2020

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

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

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$64,981
Equipment/Vendor:	\$0	\$0	\$1,702,975
Promotional:	\$0	\$0	\$29,180
Customer Incentives:	\$0	\$0	\$2,325,497
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$4,122,633
Lost Revenues:	\$233,005	\$0	\$1,795,876
Efficiency Incentive:	\$0	\$0	\$363,564
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$233,005	\$0	\$6,282,073

COMMENTS:

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	New Construction
PARTICIPANT DEFINITION:	Completed Customer Project
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2020 - December 31, 2020

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

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

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$4,529
Equipment/Vendor:	\$0	\$0	\$106,527
Promotional:	\$0	\$0	\$4,554
Customer Incentives:	\$0	\$0	\$139,045
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$254,655
Lost Revenues:	\$38,613	\$0	\$186,098
Efficiency Incentive:	\$0	\$0	\$23,931
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$38,613	\$0	\$464,684

COMMENTS:

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

Participation includes two components:

1. Whole Building Approach
2. Systems Approach

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	General Commercial Administrative - Inactive
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2020 - December 31, 2020

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

COMMENTS:

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Commercial Appliance Recycling - Inactive
PARTICIPANT DEFINITION:	Number of Units Recycled
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2020 - December 31, 2020

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

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

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

COMMENTS:

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	School Energy Manager Program - Inactive
PARTICIPANT DEFINITION:	School District Participation
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2020 - December 31, 2020

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

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

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

COMMENTS:

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Express Install - Inactive
PARTICIPANT DEFINITION:	Completed Customer Project
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2020 - December 31, 2020

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

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

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

COMMENTS:

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

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Retro-Commissioning - Inactive
PARTICIPANT DEFINITION:	Customer Project
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2020 - December 31, 2020

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

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

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

COMMENTS:

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

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Commercial High Efficiency HP/AC - Inactive
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2020 - December 31, 2020

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

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

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

COMMENTS:

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

The program was completed in 2015.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Commercial Incentive - Inactive
PARTICIPANT DEFINITION:	Number of Participants Projects Installed
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2020 - December 31, 2020

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

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

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

COMMENTS:

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Commercial HVAC Diagnostic and Tune-up - Inactive
PARTICIPANT DEFINITION:	Number of Units receiving service
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2020 - December 31, 2020

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

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

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

COMMENTS:

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

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Pilot Commercial Load Management - Inactive
PARTICIPANT DEFINITION:	Number of Switches Installed
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2020 - December 31, 2020

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

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

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

COMMENTS:

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Smart Audit - Commercial - Inactive
PARTICIPANT DEFINITION:	Number of Audits
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2020 - December 31, 2020

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

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

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

COMMENTS:

This program was discontinued December 31, 2002.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Smart Incentive - Commercial - Inactive
PARTICIPANT DEFINITION:	Number of Incentives
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2020 - December 31, 2020

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

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

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

COMMENTS:

This program was discontinued December 31, 2002.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Smart Audit - Industrial - Inactive
PARTICIPANT DEFINITION:	Number of Audits
CUSTOMER SECTOR:	Industrial
REPORTING PERIOD:	January 1, 2020 - December 31, 2020

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

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

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

COMMENTS:

This program was discontinued December 31, 1998.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Smart Incentive - Industrial - Inactive
PARTICIPANT DEFINITION:	Number of Incentives
CUSTOMER SECTOR:	Industrial
REPORTING PERIOD:	January 1, 2020 - December 31, 2020

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

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

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

COMMENTS:

This program was discontinued December 31, 1998.

**KENTUCKY POWER COMPANY
Demand Side Management
Status Report**

As of September 30, 2021

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DEFINITIONS

- 1) YTD Costs - Year-to-Date costs recorded through September 30, 2021.
- 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, 2021
- 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, 2021.

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

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

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

The individual DSM lost revenue, efficiency incentive and maximizing incentives as of June 30, 1997 are calculated based on the initial values from Exhibit E in the joint application, filed September 27, 1995. A retroactive adjustment of the initial values of the efficiency incentives and net lost revenue kWh impacts was used for each program for the first eighteen months (1/1/96 to 6/30/97). The lost revenue, efficiency incentive and maximizing incentive for the period 1/1/2019 to 12/31/2019 are calculated using the revised values contained in Schedule C of this status report.

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

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

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

As of September 30, 2021

DESCRIPTION	YTD	PTD
Total Revenue Collected	<u>\$236,830</u>	<u>\$64,047,874</u>
Total Program Costs	\$183,765	\$43,151,217
Total Lost Revenues	\$4,747	\$16,249,992
Total Efficiency / Maximizing Incentive	\$1,572	\$4,515,649
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, 2021	<u>\$190,084</u>	<u>\$63,991,526</u>

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

As of September 30, 2021

DESCRIPTION	YTD		PTD	
Actual In-Place Energy Savings:	146,823	kWh	703,342,918	kWh
w/ T&D Line Losses:	159,450	kWh	766,432,629	kWh
Total kW Reductions:				
Winter	46	kW	45,396	kW
w/ T&D Line Losses:	51	kW	50,099	kW
Summer	23	kW	24,642	kW
w/ T&D Line Losses:	26	kW	27,313	kW

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Targeted Energy Efficiency
PARTICIPANT DEFINITION:	Number of Households
CUSTOMER SECTOR:	Residential - Low Income
REPORTING PERIOD:	January 1, 2021 - September 30, 2021

New Participants		
	<u>All Electric</u>	<u>Non All Electric</u>
Jan	5	0
Feb	5	0
Mar	8	0
Apr	5	0
May	8	1
Jun	6	0
Jul	5	0
Aug	10	0
Sep	5	0
Oct	0	0
Nov	0	0
Dec	0	0
YTD	57	1
PTD	4,237	1,138

Impacts		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	159,450	91,811,427
Anticipated Peak Demand (kW) Reduction:		
Summer	26	1,210
Winter	51	3,657

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$320,366
Equipment/Vendor:	\$183,765	\$0	\$5,715,977
Promotional:	\$0	\$0	\$0
Customer Incentives:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$9,553
Total Program Costs	\$183,765	\$0	\$6,045,896
Lost Revenues:	\$4,747	\$1,944	\$1,117,337
Efficiency Incentive:	\$1,572	\$184	\$196,026
Maximizing Incentive:	\$0	\$0	\$123,617
Total Costs	\$190,084	\$2,128	\$7,482,876

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 2021 is 104 homes and \$274,400, respectively. The participant and expense forecast for 2022 is 98 homes and \$281,000, respectively.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Whole House Efficiency - Inactive
PARTICIPANT DEFINITION:	Participants
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2021 - September 30, 2021

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

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

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$93,071
Equipment/Vendor:	\$0	\$0	\$2,247,964
Promotional:	\$0	\$0	\$378,404
Customer Incentives:	\$0	\$0	\$435,414
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$3,154,853
Lost Revenues:	\$0	\$0	\$310,185
Efficiency Incentive:	\$0	\$0	\$150,223
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$0	\$0	\$3,615,261

COMMENTS:

The program encourages whole-house improvements to existing homes by promoting home energy audits

and comprehensive retrofit services. Single family and multi-family residential customer that own or rent a residence and have an electric central cooling or heat pump system are eligible.

The program delivers three options:

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	General Residential Administrative - Inactive
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2021 - September 30, 2021

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

COMMENTS:

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Community Outreach - Inactive
PARTICIPANT DEFINITION:	Number of Customers
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2021 - September 30, 2021

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

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

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

COMMENTS:

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Energy Education For Students - Inactive
PARTICIPANT DEFINITION:	Number of Students receiving EE kits
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2021 - September 30, 2021

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

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

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

COMMENTS:

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Home Performance - Inactive
PARTICIPANT DEFINITION:	Customer Accounts
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2021 - September 30, 2021

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

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

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$38,374
Equipment/Vendor:	\$0	\$0	\$1,610,957
Promotional:	\$0	\$0	\$0
Customer Incentives:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$1,649,331
Lost Revenues:	\$0	\$0	\$1,463,215
Efficiency Incentive:	\$0	\$0	\$205,451
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$0	\$0	\$3,317,997

COMMENTS:

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Residential Efficient Products - Inactive
PARTICIPANT DEFINITION:	Number of Units purchased
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2021 - September 30, 2021

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

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

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

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

COMMENTS:

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Appliance Recycling - Inactive
PARTICIPANT DEFINITION:	Number of Units Recycled
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2021 - September 30, 2021

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

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

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$6,084
Equipment/Vendor:	\$0	\$0	\$126,113
Promotional:	\$0	\$0	\$21,110
Customer Incentives:	\$0	\$0	\$82,305
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$235,612
Lost Revenues:	\$0	\$0	\$67,608
Efficiency Incentive:	\$0	\$0	\$5,902
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$0	\$0	\$309,122

COMMENTS:

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	New Manufactured Homes - Inactive
PARTICIPANT DEFINITION:	Homes
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2021 - September 30, 2021

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

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

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$10,883
Equipment/Vendor:	\$0	\$0	\$163,749
Promotional:	\$0	\$0	\$6,694
Customer Incentives:	\$0	\$0	\$78,500
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$259,826
Lost Revenues:	\$0	\$0	\$20,156
Efficiency Incentive:	\$0	\$0	\$13,569
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$0	\$0	\$293,551

COMMENTS:

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	High Efficiency Heat Pump - Mobile Home - Inactive
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2021 - September 30, 2021

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

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

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

COMMENTS:

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

This program was combined with the Whole House Efficiency program.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Mobile Home New Construction - Inactive
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2021 - September 30, 2021

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

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

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

COMMENTS:

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

This program was combined with the New Manufactured Homes program.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Modified Energy Fitness - Inactive
PARTICIPANT DEFINITION:	Number of Home Audits
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2021 - September 30, 2021

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

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

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

COMMENTS:

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

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

The program was combined with the Whole House Efficiency program.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	High Efficiency Heat Pumps - Inactive
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2021 - September 30, 2021

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

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

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

COMMENTS:

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

The program was combined with the Whole House Efficiency program.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Residential HVAC Diagnostic and Tune-up - Inactive
PARTICIPANT DEFINITION:	Number of Units receiving service
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2021 - September 30, 2021

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

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

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

COMMENTS:

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Pilot Residential Load Management - Inactive
PARTICIPANT DEFINITION:	Number of Switches Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2021 - September 30, 2021

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

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

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

COMMENTS:

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Energy Fitness - Inactive
PARTICIPANT DEFINITION:	Number of Households
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2021 - September 30, 2021

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

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

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

COMMENTS:

This program was discontinued May 14, 1999.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Compact Fluorescent Bulb - Inactive
PARTICIPANT DEFINITION:	Number of Bulbs Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2021 - September 30, 2021

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

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

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

COMMENTS:

This program was discontinued December 31, 1996

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	High Efficiency Heat Pumps Retro - Inactive
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2021 - September 30, 2021

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

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

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

COMMENTS:

This program was discontinued December 31, 2001.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	CI Prescriptive Custom - Inactive
PARTICIPANT DEFINITION:	Number of Participants Projects Installed
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2021 - September 30, 2021

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

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

Costs	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$64,981
Equipment/Vendor:	\$0	\$0	\$1,702,975
Promotional:	\$0	\$0	\$29,180
Customer Incentives:	\$0	\$0	\$2,325,497
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$4,122,633
Lost Revenues:	\$0	\$0	\$1,795,876
Efficiency Incentive:	\$0	\$0	\$363,564
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$0	\$0	\$6,282,073

COMMENTS:

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	New Construction - Inactive
PARTICIPANT DEFINITION:	Completed Customer Project
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2021 - September 30, 2021

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

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

Costs			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$4,529
Equipment/Vendor:	\$0	\$0	\$106,527
Promotional:	\$0	\$0	\$4,554
Customer Incentives:	\$0	\$0	\$139,045
Other Costs:	\$0	\$0	\$0
Total Program Costs	\$0	\$0	\$254,655
Lost Revenues:	\$0	\$0	\$186,098
Efficiency Incentive:	\$0	\$0	\$23,931
Maximizing Incentive:	\$0	\$0	\$0
Total Costs	\$0	\$0	\$464,684

COMMENTS:

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

Participation includes two components:

1. Whole Building Approach
2. Systems Approach

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	General Commercial Administrative - Inactive
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2021 - September 30, 2021

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

COMMENTS:

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Commercial Appliance Recycling - Inactive
PARTICIPANT DEFINITION:	Number of Units Recycled
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2021 - September 30, 2021

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

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

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

COMMENTS:

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	School Energy Manager Program - Inactive
PARTICIPANT DEFINITION:	School District Participation
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2021 - September 30, 2021

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

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

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

COMMENTS:

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Express Install - Inactive
PARTICIPANT DEFINITION:	Completed Customer Project
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2021 - September 30, 2021

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

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

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

COMMENTS:

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

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Retro-Commissioning - Inactive
PARTICIPANT DEFINITION:	Customer Project
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2021 - September 30, 2021

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

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

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

COMMENTS:

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

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Commercial High Efficiency HP/AC - Inactive
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2021 - September 30, 2021

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

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

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

COMMENTS:

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

The program was completed in 2015.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Commercial Incentive - Inactive
PARTICIPANT DEFINITION:	Number of Participants Projects Installed
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2021 - September 30, 2021

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

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

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

COMMENTS:

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Commercial HVAC Diagnostic and Tune-up - Inactive
PARTICIPANT DEFINITION:	Number of Units receiving service
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2021 - September 30, 2021

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

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

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

COMMENTS:

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

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

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Pilot Commercial Load Management - Inactive
PARTICIPANT DEFINITION:	Number of Switches Installed
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2021 - September 30, 2021

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

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

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

COMMENTS:

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

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Smart Audit - Commercial - Inactive
PARTICIPANT DEFINITION:	Number of Audits
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2021 - September 30, 2021

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

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

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

COMMENTS:

This program was discontinued December 31, 2002.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Smart Incentive - Commercial - Inactive
PARTICIPANT DEFINITION:	Number of Incentives
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2021 - September 30, 2021

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

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

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

COMMENTS:

This program was discontinued December 31, 2002.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Smart Audit - Industrial - Inactive
PARTICIPANT DEFINITION:	Number of Audits
CUSTOMER SECTOR:	Industrial
REPORTING PERIOD:	January 1, 2021 - September 30, 2021

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

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

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

COMMENTS:

This program was discontinued December 31, 1998.

KENTUCKY POWER COMPANY

PROGRAM INFORMATION	
PROGRAM:	Smart Incentive - Industrial - Inactive
PARTICIPANT DEFINITION:	Number of Incentives
CUSTOMER SECTOR:	Industrial
REPORTING PERIOD:	January 1, 2021 - September 30, 2021

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

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

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

COMMENTS:

This program was discontinued December 31, 1998.

Demand-Side Management Budget

2022 Program Year	Sum of First Half Year	Sum of Second Half Year	Forecasted Budget
Total Expense			
Commercial			
Commercial Total	\$0.00	\$0.00	\$0.00
Residential			
Targeted Energy Efficiency	\$140,500.00	\$140,500.00	\$281,000.00
Residential Total	\$140,500.00	\$140,500.00	\$281,000.00
Expense Total	\$140,500.00	\$140,500.00	\$281,000.00

KENTUCKY POWER COMPANY

P.S.C. KY. NO. 12 ORIGINAL-1ST REVISED SHEET NO. 22-1 T
CANCELLING P.S.C. KY. NO. 11-2ND REVISED 12 ORIGINAL SHEET NO. 22-1 T

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

APPLICABLE.

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

RATE.

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

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

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

- 2. Demand-Side Management (DSM) costs shall be the most recent forecasted cost plus any over/under recovery balances recorded at the end of the previous period.
 - a. Program costs are any costs the Company incurred associated with demand-side management which were approved by the Kentucky Power Company DSM Collaborative. Examples of costs to be included are contract services, allowances, promotion, expenses, evaluation, lease expense, etc. by customer sector.
 - b. Net lost revenues are the calculated net lost revenues by customer sector resulting from the implementation of the DSM programs.
 - c. Incentives are a shared-savings incentive plan consisting of one of the following elements: The efficiency incentive, which is defined as 15 percent of the estimated net savings associated with the programs. Estimated net savings are calculated based on the California Standard Practice Manual's definition of the Total Resources Cost (TRC) test, or the maximizing incentive which is defined as 5 percent of actual program expenditures if program savings cannot be measured.
 - d. Over/ Under recovery balances are the total of the differences between the following:
 - (i) the actual program costs incurred versus the program costs recovered through DSM adjustment clause, and
 - (ii) the calculated net lost revenues realized versus the net lost revenues recovered through the DSM adjustment clause, and
 - (iii) the calculated incentive to be recovered versus the incentive recovered through the DSM adjustment clause.
- 3. Sales (S) shall be the total ultimate KWH sales by customer sector less non-metered, opt-out and lost revenue impact KWHs by customer sector.
- 4. The provisions of the Demand-Side Management Adjustment Clause will be effective for the period ending December 31, 2022~~4~~. (Cont'd on Sheet No. 22-2)

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DATE OF ISSUE: ~~April 9, 2021~~ XXXX XX, XXXX
DATE EFFECTIVE: Service Rendered On And After January 14, 2021~~2~~
ISSUED BY: /s/ Brian K. West
TITLE: Vice President, Regulatory & Finance
By Authority Of an Order of the Public Service Commission
In Case No. 20201-00420174 Dated XXXX XX, XXXX~~January 13, 2021; January 15, 2021; February 22, 2021; and~~
~~March 17, 2021~~

KENTUCKY POWER COMPANY

P.S.C. KY. NO. 12 ~~1ST REVISED ORIGINAL~~ SHEET NO. 22-2 T
CANCELLING P.S.C. KY. NO. ~~11-12 ORIGINAL~~^{NP} ~~REVISED~~ SHEET NO. 22-2 T

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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>
<u>DSM (c)</u>	\$264,007,52,609	\$020,549	- 0 -
S (c)	1,903,309,425,927,28 7,772	1,136,974,0231,448,719, 452	- 0 -
Adjustment Factor	\$ 0.0001394	\$ 0.00000048	- 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)

DATE OF ISSUE: ~~April 9, 2021~~ XXXX XX, XXXX
DATE EFFECTIVE: Service Rendered On And After January 14, 2022
ISSUED BY: /s/ Brian K. West
TITLE: Vice President, Regulatory & Finance
By Authority Of an Order of the Public Service Commission
In Case No. ~~20202021-00420474~~ Dated ~~XXXX XX, XXXX~~ January 13, 2021; January 15, 2021; February 22, 2021; and
March 17, 2021

**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, 2022. T

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

DATE OF ISSUE: XXXX XX, XXXX
 DATE EFFECTIVE: Service Rendered On And After January 1, 2022
 ISSUED BY: /s/ Brian K. West
 TITLE: Vice President, Regulatory & Finance
By Authority Of an Order of the Public Service Commission
In Case No. 2021-00420 Dated XXXX XX, XXXX

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

RATE. (Cont'd.)

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

CUSTOMER SECTOR

	<u>RESIDENTIAL</u>	<u>COMMERCIAL</u>	<u>INDUSTRIAL*</u>	
<u>DSM (c)</u>	\$264,007	\$0	- 0 -	T
S (c)	1,903,309,425	1,136,974,023	- 0 -	T
Adjustment Factor	\$ 0.000139	\$ 0.000000	- 0 -	IR

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

PROGRAM DESCRIPTIONS.

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

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

DATE OF ISSUE: XXXX XX, XXXX
 DATE EFFECTIVE: Service Rendered On And After January 1, 2022
 ISSUED BY: /s/ Brian K. West
 TITLE: Vice President, Regulatory & Finance
By Authority Of an Order of the Public Service Commission
In Case No. 2021-00420 Dated XXXX XX, XXXX