

**KENTUCKY POWER COMPANY**  
**Demand Side Management**  
**Status Report**  
As of December 31, 2015

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## **DEFINITIONS**

- 1) YTD Costs - Year-to-Date costs recorded through December 31, 2015.
- 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, 2015
- 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, 2015.

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 9.0% 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 10.0% 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.

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 1/1/2016 to 12/31/2016 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, 2015

DESCRIPTION	YTD	PTD
Total Revenue Collected	<u>\$3,376,417</u>	<u>\$36,272,469</u>
Total Program Costs	\$5,585,847	\$28,979,769
Total Lost Revenues	\$2,026,303	\$8,953,453
Total Efficiency / Maximizing Incentive	\$612,294	\$3,512,383
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, 2015	<u>\$8,224,444</u>	<u>\$41,520,273</u>

**KENTUCKY POWER COMPANY**  
**SUMMARY INFORMATION (ALL PROGRAMS)**  
As of December 31, 2015

DESCRIPTION	YTD		PTD	
Actual In-Place Energy Savings:	26,668,537	kWh	650,554,995	kWh
w/ T&D Line Losses:	29,068,705	kWh	709,104,945	kWh
Total kW Reductions:				
Winter	3,604	kW	38,460	kW
w/ T&D Line Losses:	3,964	kW	42,306	kW
Summer	2,875	kW	16,016	kW
w/ T&D Line Losses:	3,162	kW	17,618	kW

# KENTUCKY POWER COMPANY

## PROGRAM INFORMATION

PROGRAM:	General Residential Administrative
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2015 - December 31, 2015

### Costs

<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Administrative	\$150,848	\$0	\$181,629
Promotion	\$0	\$0	\$0
Other			
<b>Total Costs</b>	<b>\$150,848</b>	<b>\$0</b>	<b>\$181,629</b>

### COMMENTS:

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

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	Targeted Energy Efficiency
PARTICIPANT DEFINITION:	Number of Households
CUSTOMER SECTOR:	Residential - Low Income
REPORTING PERIOD:	January 1, 2015 - December 31, 2015

<b>New Participants</b>		
	<u>All Electric</u>	<u>Non All Electric</u>
Jan	12	3
Feb	9	1
Mar	6	0
Apr	12	0
May	16	0
Jun	14	0
Jul	8	0
Aug	7	0
Sep	7	0
Oct	4	0
Nov	6	0
Dec	7	0
<b>YTD</b>	<b>108</b>	<b>4</b>
<b>PTD</b>	<b>3,837</b>	<b>1,126</b>

<b>Impacts</b>		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	<b>268,171</b>	<b>90,678,537</b>
Anticipated Peak Demand (kW) Reduction:		
Summer	<b>87</b>	<b>1,012</b>
Winter	<b>60</b>	<b>3,366</b>

<b>Costs</b>			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$298,002
Equipment/Vendor:	\$283,366	\$0	\$4,296,538
Promotional:	\$0	\$0	\$0
Customer Incentives:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$9,553
<b>Total Program Costs</b>	<b>\$283,366</b>	<b>\$0</b>	<b>\$4,604,093</b>
<b>Lost Revenues:</b>	<b>\$41,482</b>	<b>\$1,944</b>	<b>\$998,629</b>
Efficiency Incentive:	\$16,058	\$184	\$185,607
Maximizing Incentive:	\$0	\$0	\$123,617
<b>Total Costs</b>	<b>\$340,906</b>	<b>\$2,128</b>	<b>\$5,911,946</b>

## COMMENTS:

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

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

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	High Efficiency Heat Pump - Mobile Home
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2015 - December 31, 2015

<b>New Participants</b>	
Jan	17
Feb	4
Mar	22
Apr	20
May	16
Jun	34
Jul	25
Aug	21
Sep	31
Oct	26
Nov	14
Dec	11
<b>YTD</b>	<b>241</b>
<b>PTD</b>	<b>3,370</b>

<b>Impacts</b>		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	<b>402,068</b>	<b>88,975,126</b>
Anticipated Peak Demand (kW) Reduction:		
Summer	<b>-8</b>	<b>628</b>
Winter	<b>49</b>	<b>4,760</b>

<b>Costs</b>			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$67,774
Equipment/Vendor:	\$11,950	\$0	\$119,755
Promotional:	\$1,644	\$0	\$4,860
Customer Incentives:	\$96,300	\$0	\$1,413,100
Other Costs:	\$0	\$0	\$1,167
<b>Total Program Costs</b>	<b>\$109,894</b>	<b>\$0</b>	<b>\$1,606,656</b>
<b>Lost Revenues:</b>	<b>\$47,315</b>	<b>\$5,820</b>	<b>\$821,214</b>
<b>Efficiency Incentive:</b>	<b>\$7,823</b>	<b>\$18,331</b>	<b>\$355,268</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Costs</b>	<b>\$165,032</b>	<b>\$24,151</b>	<b>\$2,783,138</b>

## COMMENTS:

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

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

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Mobile Home New Construction</b>
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2015 - December 31, 2015

<b>New Participants</b>			
	<u>Heat Pump</u>	<u>Air Conditioner</u>	
Jan	13	0	
Feb	6	0	
Mar	16	0	
Apr	12	0	
May	11	0	
Jun	16	0	
Jul	24	0	
Aug	12	0	
Sep	5	0	
Oct	17	0	
Nov	12	0	
Dec	15	0	
<b>YTD</b>	<b>159</b>	<b>0</b>	
<b>PTD</b>	<b>2,894</b>	<b>2</b>	

<b>Impacts</b>		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	<b>249,220</b>	<b>128,929,324</b>
Anticipated Peak Demand (kW) Reduction:		
Summer	<b>88</b>	<b>995</b>
Winter	<b>78</b>	<b>5,311</b>

<b>Costs</b>			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$50,872
Equipment/Vendor:	\$7,950	\$0	\$167,463
Promotional:	\$791	\$0	\$5,952
Customer Incentives:	\$79,500	\$0	\$1,456,450
Other Costs:	\$250	\$0	\$5,616
<b>Total Program Costs</b>	<b>\$88,491</b>	<b>\$0</b>	<b>\$1,686,353</b>
<b>Lost Revenues:</b>	<b>\$37,563</b>	<b>\$0</b>	<b>\$768,089</b>
<b>Efficiency Incentive:</b>	<b>\$14,082</b>	<b>\$0</b>	<b>\$223,410</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,580</b>
<b>Total Costs</b>	<b>\$140,136</b>	<b>\$0</b>	<b>\$2,680,432</b>

## COMMENTS:

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

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



# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Modified Energy Fitness</b>
PARTICIPANT DEFINITION:	Number of Home Audits
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2015 - December 31, 2015

<b>New Participants</b>	
Jan	192
Feb	125
Mar	136
Apr	157
May	125
Jun	202
Jul	219
Aug	189
Sep	187
Oct	220
Nov	174
Dec	166
<b>YTD</b>	<b>2,092</b>
<b>PTD</b>	<b>14,685</b>

<b>Impacts</b>		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	<b>1,819,663</b>	<b>86,629,653</b>
Anticipated Peak Demand (kW) Reduction:		
Summer	<b>345</b>	<b>1,853</b>
Winter	<b>230</b>	<b>5,479</b>

<b>Costs</b>			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$72,235
Equipment/Vendor:	\$928,538	\$0	\$5,476,934
Promotional:	\$105,107	\$0	\$187,769
Customer Incentives:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$0
<b>Total Program Costs</b>	<b>\$1,033,644</b>	<b>\$0</b>	<b>\$5,736,937</b>
<b>Lost Revenues:</b>	<b>\$219,163</b>	<b>\$0</b>	<b>\$1,384,800</b>
<b>Efficiency Incentive:</b>	<b>\$32,614</b>	<b>\$0</b>	<b>\$387,254</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Costs</b>	<b>\$1,285,421</b>	<b>\$0</b>	<b>\$7,508,991</b>

## COMMENTS:

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

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

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

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	High Efficiency Heat Pumps
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2015 - December 31, 2015

<b>New Participants</b>		
	<u>Resistance</u>	<u>Non Resistance</u>
Jan	16	29
Feb	11	21
Mar	28	37
Apr	19	30
May	22	42
Jun	15	65
Jul	24	43
Aug	17	33
Sep	21	44
Oct	19	41
Nov	18	39
Dec	13	39
<b>YTD</b>	<b>223</b>	<b>463</b>
<b>PTD</b>	<b>1,374</b>	<b>2,792</b>

<b>Impacts</b>		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	721,667	4,565,384
Anticipated Peak Demand (kW) Reduction:		
Summer	58	145
Winter	130	3,021

<b>Costs</b>			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$36,601
Equipment/Vendor:	\$34,350	\$0	\$233,200
Promotional:	\$7,533	\$0	\$15,714
Customer Incentives:	\$281,600	\$0	\$1,644,160
Other Costs:	\$0	\$0	\$0
<b>Total Program Costs</b>	<b>\$323,483</b>	<b>\$0</b>	<b>\$1,929,675</b>
<b>Lost Revenues:</b>	<b>\$77,425</b>	<b>\$0</b>	<b>\$476,343</b>
<b>Efficiency Incentive:</b>	<b>\$24,675</b>	<b>\$0</b>	<b>\$351,883</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$17,177</b>
<b>Total Costs</b>	<b>\$425,583</b>	<b>\$0</b>	<b>\$2,775,078</b>

## COMMENTS:

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

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

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Community Outreach Compact Fluorescent Lamp</b>
PARTICIPANT DEFINITION:	Number of Customers
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2015 - December 31, 2015

<b>New Participants</b>	
Jan	0
Feb	0
Mar	768
Apr	345
May	953
Jun	396
Jul	403
Aug	680
Sep	1,398
Oct	362
Nov	333
Dec	0
<b>YTD</b>	<b>5,638</b>
<b>PTD</b>	<b>35,269</b>

<b>Impacts</b>		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	275,844	2,950,957
Anticipated Peak Demand (kW) Reduction:		
Summer	34	1,010
Winter	34	1,157

<b>Costs</b>			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$31,116
Equipment/Vendor:	\$37,111	\$0	\$314,621
Promotional:	\$0	\$0	\$16,703
Administration:	\$3,943	\$0	\$6,588
Other Costs:	\$0	\$0	\$0
<b>Total Program Costs</b>	<b>\$41,054</b>	<b>\$0</b>	<b>\$369,028</b>
<b>Lost Revenues:</b>	<b>\$27,482</b>	<b>\$0</b>	<b>\$274,679</b>
<b>Efficiency Incentive:</b>	<b>\$4,297</b>	<b>\$0</b>	<b>\$121,877</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Costs</b>	<b>\$72,833</b>	<b>\$0</b>	<b>\$765,584</b>

## COMMENTS:

The Community Outreach Compact Fluorescent Lighting (CFL) program is designed to educate and influence residential customers to purchase and use compact fluorescent lighting in their homes. A package of 4 high efficiency CFLs are distributed to customers at scheduled community outreach events.

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	Energy Education For Students
PARTICIPANT DEFINITION:	Number of Students receiving EE kits
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2015 - December 31, 2015

<b>New Participants</b>	
Jan	0
Feb	0
Mar	0
Apr	382
May	201
Jun	0
Jul	0
Aug	0
Sep	24
Oct	593
Nov	1,062
Dec	0
<b>YTD</b>	<b>2,262</b>
<b>PTD</b>	<b>13,327</b>

<b>Impacts</b>		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	<b>165,194</b>	<b>1,048,643</b>
Anticipated Peak Demand (kW) Reduction:		
Summer	<b>18</b>	<b>416</b>
Winter	<b>18</b>	<b>325</b>

<b>Costs</b>			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$21,396
Equipment/Vendor:	\$14,799	\$0	\$117,490
Promotional:	\$51	\$0	\$2,770
Education Workshops	\$0	\$0	\$22,142
Administration	\$16,929	\$0	\$33,491
<b>Total Program Costs</b>	<b>\$31,779</b>	<b>\$0</b>	<b>\$197,289</b>
<b>Lost Revenues:</b>	<b>\$12,023</b>	<b>\$0</b>	<b>\$109,229</b>
<b>Efficiency Incentive:</b>	<b>\$3,144</b>	<b>\$0</b>	<b>\$36,488</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Costs</b>	<b>\$46,946</b>	<b>\$0</b>	<b>\$343,006</b>

## COMMENTS:

The Energy Education for Students program is designed to partner with the National Energy Education Development Project (NEED) to implement an energy education program for 7th grade students at participating middle schools. The students will be provided a package of four 23 watt CFLs to install in their homes. The program will influence residential customers to purchase and use compact fluorescent lighting in their homes.

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	Home Performance
PARTICIPANT DEFINITION:	Customer Accounts
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2015 - December 31, 2015

<b>New Participants</b>		
	<u>New</u>	<u>Cumulative</u>
Jan	0	0
Feb	0	0
Mar	30,000	30,000
Apr	0	30,000
May	0	30,000
Jun	0	30,000
Jul	0	30,000
Aug	0	30,000
Sep	0	30,000
Oct	0	30,000
Nov	0	30,000
Dec	0	30,000
<b>YTD</b>	<b>30,000</b>	<b>30,000</b>
<b>PTD</b>	<b>30,000</b>	<b>30,000</b>

<b>Impacts</b>		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	5,631,350	5,631,350
Anticipated Peak Demand (kW) Reduction:		
Summer	815	815
Winter	815	815

<b>Costs</b>			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$0
Equipment/Vendor:	\$332,000	\$0	\$429,000
Promotional:	\$0	\$0	\$0
Customer Incentives:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$0
<b>Total Program Costs</b>	<b>\$332,000</b>	<b>\$0</b>	<b>\$429,000</b>
<b>Lost Revenues:</b>	<b>\$186,293</b>	<b>\$0</b>	<b>\$186,293</b>
<b>Efficiency Incentive:</b>	<b>\$19,150</b>	<b>\$0</b>	<b>\$19,150</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Costs</b>	<b>\$537,443</b>	<b>\$0</b>	<b>\$634,443</b>

## COMMENTS:

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

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Residential Efficient Products</b>
PARTICIPANT DEFINITION:	Number of Units purchased
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2015 - December 31, 2015

<b>New Participants</b>				
	<u>Standard CFL</u>	<u>Specialty CFLs</u>	<u>Standard LED</u>	<u>Specialty LED</u>
Jan	0	1,667	0	0
Feb	18,112	0	1,267	89
Mar	25,628	0	1,152	649
Apr	80,349	0	1,728	867
May	47,055	0	2,059	553
Jun	36,478	0	1,496	536
Jul	47,903	0	3,010	667
Aug	6,685	0	4,748	740
Sep	75,590	0	3,151	1,055
Oct	31,823	0	2,004	566
Nov	67,061	0	6,740	2,482
Dec	41,940	0	9,333	4,853
<b>YTD</b>	<b>478,624</b>	<b>1,667</b>	<b>36,688</b>	<b>13,057</b>
<b>PTD</b>	<b>1,317,843</b>	<b>47,465</b>	<b>43,708</b>	<b>13,057</b>

  

	<u>Clothes Washer</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	23	14	9	0	0
May	17	9	10	2	0
Jun	27	25	33	5	1
Jul	0	0	0	0	0
Aug	72	28	61	21	2
Sep	77	44	79	20	2
Oct	51	19	49	13	2
Nov	17	16	28	4	1
Dec	83	35	96	29	4
<b>YTD</b>	<b>367</b>	<b>190</b>	<b>365</b>	<b>94</b>	<b>12</b>
<b>PTD</b>	<b>367</b>	<b>190</b>	<b>365</b>	<b>94</b>	<b>12</b>

<b>Impacts</b>		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	14,852,013	35,748,986
Anticipated Peak Demand (kW) Reduction:		
Summer	908	4,410
Winter	1,760	6,598

<b>Costs</b>			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$62,212
Equipment/Vendor:	\$505,580	\$0	\$1,506,784
Promotional:	\$26,837	\$0	\$42,051
Customer Incentives:	\$740,371	\$0	\$1,713,164
Other Costs:	\$0	\$0	\$0
<b>Total Program Costs</b>	<b>\$1,272,788</b>	<b>\$0</b>	<b>\$3,324,211</b>
<b>Lost Revenues:</b>	<b>\$824,833</b>	<b>\$0</b>	<b>\$1,422,197</b>
<b>Efficiency Incentive:</b>	<b>\$332,157</b>	<b>\$0</b>	<b>\$955,859</b>
<b>Maximizing Incentive:</b>	<b>\$12,165</b>	<b>\$0</b>	<b>\$15,260</b>
<b>Total Costs</b>	<b>\$2,441,943</b>	<b>\$0</b>	<b>\$5,717,527</b>

## COMMENTS:

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

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Appliance Recycling</b>
PARTICIPANT DEFINITION:	Number of Units Recycled
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2015 - December 31, 2015

<b>New Recycled Units</b>	<u>Refrigerator</u>	<u>Freezer</u>
Jan	0	0
Feb	0	0
Mar	0	0
Apr	18	9
May	43	9
Jun	51	6
Jul	35	7
Aug	64	19
Sep	80	21
Oct	100	38
Nov	39	8
Dec	0	0
<b>YTD</b>	<b>430</b>	<b>117</b>
<b>PTD</b>	<b>430</b>	<b>117</b>

<b>Impacts</b>	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	<b>432,267</b>	<b>432,267</b>
Anticipated Peak Demand (kW) Reduction:		
Summer	<b>38</b>	<b>38</b>
Winter	<b>38</b>	<b>38</b>

<b>Costs</b>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$0
Equipment/Vendor:	\$41,323	\$0	\$41,323
Promotional:	\$14,609	\$0	\$14,609
Customer Incentives:	\$31,420	\$0	\$31,420
Other Costs:	\$0	\$0	\$0
<b>Total Program Costs</b>	<b>\$87,352</b>	<b>\$0</b>	<b>\$87,352</b>
<b>Lost Revenues:</b>	<b>\$8,024</b>	<b>\$0</b>	<b>\$8,024</b>
<b>Efficiency Incentive:</b>	<b>\$4,042</b>	<b>\$0</b>	<b>\$4,042</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Costs</b>	<b>\$99,418</b>	<b>\$0</b>	<b>\$99,418</b>

**COMMENTS:**

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

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>New Manufactured Homes</b>
PARTICIPANT DEFINITION:	Homes
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2015 - December 31, 2015

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

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

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

**COMMENTS:**

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

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



# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	Whole House Efficiency
PARTICIPANT DEFINITION:	Participants
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2015 - December 31, 2015

<b>Audits &amp; Rebates:</b>	<u>Single Family</u>	<u>Multi-Family</u>	<u>Weatherization</u>	<u>HVAC</u>
Jan	0	0	0	0
Feb	0	0	0	0
Mar	0	0	0	0
Apr	0	0	0	0
May	0	0	0	0
Jun	0	0	0	0
Jul	0	0	0	0
Aug	0	0	0	0
Sep	0	0	0	0
Oct	0	0	0	0
Nov	0	0	0	0
Dec	0	0	0	0
<b>YTD</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>PTD</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

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

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

## COMMENTS:

The 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

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	Residential HVAC Diagnostic and Tune-up - Inactive
PARTICIPANT DEFINITION:	Number of Units receiving service
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2015 - December 31, 2015

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

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

<b>Costs</b>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
<b>Description</b>			
Total Evaluation	\$0	\$0	\$30,594
Equipment/Vendor:	\$0	\$0	\$108,975
Promotional:	\$0	\$0	\$15,099
Customer Incentives:	\$0	\$0	\$110,640
Administration:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$50
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$265,358</b>
<b>Lost Revenues:</b>	<b>\$5,493</b>	<b>\$1,944</b>	<b>\$39,874</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$184</b>	<b>\$8,930</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$8,115</b>
<b>Total Costs</b>	<b>\$5,493</b>	<b>\$2,128</b>	<b>\$322,277</b>

## COMMENTS:

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

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

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Pilot Residential Load Management - Inactive</b>
PARTICIPANT DEFINITION:	Number of Switches Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2015 - December 31, 2015

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

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

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

## COMMENTS:

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

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	Energy Fitness - Inactive
PARTICIPANT DEFINITION:	Number of Households
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2015 - December 31, 2015

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

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

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

**COMMENTS:**

This program was discontinued May 14, 1999.

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	Compact Fluorescent Bulb - Inactive
PARTICIPANT DEFINITION:	Number of Bulbs Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2015 - December 31, 2015

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

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

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

## COMMENTS:

This program was discontinued December 31, 1996

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	High Efficiency Heat Pumps Retro - Inactive
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2015 - December 31, 2015

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

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

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

## COMMENTS:

This program was discontinued December 31, 2001.

# KENTUCKY POWER COMPANY

## PROGRAM INFORMATION

PROGRAM:	General Commercial Administrative
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2015 - December 31, 2015

### Costs

<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Administrative	\$215,760	\$0	\$232,821
Promotion	\$2,171	\$0	\$2,171
Other	\$0	\$0	\$0
<b>Total Costs</b>	<b>\$217,931</b>	<b>\$0</b>	<b>\$234,992</b>

### COMMENTS:

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

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Commercial High Efficiency HP/AC</b>
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2015 - December 31, 2015

<b>New Participants</b>	<u>Heat Pump</u>	<u>Air Conditioner</u>
Jan	1	0
Feb	0	0
Mar	3	0
Apr	1	0
May	1	0
Jun	1	0
Jul	5	0
Aug	2	0
Sep	4	0
Oct	0	0
Nov	1	0
Dec	1	0
<b>YTD</b>	<b>20</b>	<b>0</b>
<b>PTD</b>	<b>80</b>	<b>4</b>

<b>Impacts</b>	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	15,140	54,646
Anticipated Peak Demand (kW) Reduction:		
Summer	12	25
Winter	6	34

<b>Costs</b>			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$28,806
Equipment/Vendor:	\$1,000	\$0	\$4,200
Promotional:	\$1,026	\$0	\$25,745
Customer Incentives:	\$7,800	\$0	\$31,450
Other Costs:	\$0	\$0	\$0
<b>Total Program Costs</b>	<b>\$9,826</b>	<b>\$0</b>	<b>\$90,201</b>
<b>Lost Revenues:</b>	<b>\$1,389</b>	<b>\$0</b>	<b>\$3,623</b>
Efficiency Incentive:	\$0	\$0	\$1,224
Maximizing Incentive:	\$492	\$0	\$3,335
<b>Total Costs</b>	<b>\$11,707</b>	<b>\$0</b>	<b>\$98,383</b>

## COMMENTS:

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



# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Commercial Incentive</b>
PARTICIPANT DEFINITION:	Number of Participants Projects Installed
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2015 - December 31, 2015

<b>New Participants</b>	<u>Projects Installed</u>
Jan	1
Feb	14
Mar	22
Apr	8
May	8
Jun	15
Jul	13
Aug	10
Sep	15
Oct	23
Nov	14
Dec	48
<b>YTD</b>	<b>191</b>
<b>PTD</b>	<b>793</b>

<b>Impacts</b>		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	<b>3,916,678</b>	<b>9,768,967</b>
Anticipated Peak Demand (kW) Reduction:		
Summer	<b>651</b>	<b>3,007</b>
Winter	<b>630</b>	<b>2,966</b>

<b>Costs</b>			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$142,391
Equipment/Vendor:	\$616,913	\$0	\$2,222,406
Promotional:	\$14,196	\$0	\$77,393
Customer Incentives:	\$772,281	\$0	\$2,285,384
Other Costs:	\$0	\$0	\$0
<b>Total Program Costs</b>	<b>\$1,403,390</b>	<b>\$0</b>	<b>\$4,727,574</b>
<b>Lost Revenues:</b>	<b>\$536,676</b>	<b>\$0</b>	<b>\$826,477</b>
<b>Efficiency Incentive:</b>	<b>\$141,258</b>	<b>\$0</b>	<b>\$315,014</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$102,031</b>
<b>Total Costs</b>	<b>\$2,081,324</b>	<b>\$0</b>	<b>\$5,971,096</b>

## COMMENTS:

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

The Commercial Incentive Prescriptive Custom replaces this program in 2016.

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	School Energy Manager Program
PARTICIPANT DEFINITION:	School District Participation
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2015 - December 31, 2015

<b>Participating Schools</b>	<u>Districts</u>
Jan	6
Feb	6
Mar	6
Apr	6
May	6
Jun	6
Jul	15
Aug	15
Sep	15
Oct	15
Nov	15
Dec	15

<b>Impacts</b>		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	319,430	434,541
Anticipated Peak Demand (kW) Reduction:		
Summer	116	116
Winter	116	355

<b>Costs</b>			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$0
Equipment/Vendor:	\$200,000	\$0	\$200,000
Promotional:	\$0	\$0	\$0
Customer Incentives:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$0
<b>Total Program Costs</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$200,000</b>
<b>Lost Revenues:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
Efficiency Incentive:	\$337	\$0	\$337
Maximizing Incentive:	\$0	\$0	\$0
<b>Total Costs</b>	<b>\$200,337</b>	<b>\$0</b>	<b>\$200,337</b>

## COMMENTS:

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

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

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Express Install</b>
PARTICIPANT DEFINITION:	Completed Customer Project
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2015 - December 31, 2015

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

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

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

## COMMENTS:

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

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

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>New Construction</b>
PARTICIPANT DEFINITION:	Completed Customer Project
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2015 - December 31, 2015

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

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

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

## COMMENTS:

The 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

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Retro-Commissioning</b>
PARTICIPANT DEFINITION:	Customer Project
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2015 - December 31, 2015

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

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

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

## COMMENTS:

The 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.

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Commercial HVAC Diagnostic and Tune-up - Inactive</b>
PARTICIPANT DEFINITION:	Number of Units receiving service
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2015 - December 31, 2015

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

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

<b>Costs</b>			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$26,347
Equipment/Vendor:	\$0	\$0	\$14,525
Promotional:	\$0	\$0	\$13,177
Customer Incentives:	\$0	\$0	\$21,450
Other Costs:	\$0	\$0	\$0
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$75,499</b>
<b>Lost Revenues:</b>	<b>\$1,142</b>	<b>\$0</b>	<b>\$8,930</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,496</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,415</b>
<b>Total Costs</b>	<b>\$1,142</b>	<b>\$0</b>	<b>\$90,340</b>

## COMMENTS:

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

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

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

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	Pilot Commercial Load Management - Inactive
PARTICIPANT DEFINITION:	Number of Switches Installed
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2015 - December 31, 2015

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

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

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

## COMMENTS:

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

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	Smart Audit - Commercial - Inactive
PARTICIPANT DEFINITION:	Number of Audits
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2015 - December 31, 2015

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

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

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

**COMMENTS:**

This program was discontinued December 31, 2002.



# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	Smart Incentive - Commercial - Inactive
PARTICIPANT DEFINITION:	Number of Incentives
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2015 - December 31, 2015

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

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

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

## COMMENTS:

This program was discontinued December 31, 2002.

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	Smart Audit - Industrial - Inactive
PARTICIPANT DEFINITION:	Number of Audits
CUSTOMER SECTOR:	Industrial
REPORTING PERIOD:	January 1, 2015 - December 31, 2015

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

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

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

**COMMENTS:**

This program was discontinued December 31, 1998.

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	Smart Incentive - Industrial - Inactive
PARTICIPANT DEFINITION:	Number of Incentives
CUSTOMER SECTOR:	Industrial
REPORTING PERIOD:	January 1, 2015 - December 31, 2015

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

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

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

**COMMENTS:**

This program was discontinued December 31, 1998.

**KENTUCKY POWER COMPANY**  
**Demand Side Management**  
**Status Report**  
As of June 30, 2016

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## **DEFINITIONS**

- 1) YTD Costs - Year-to-Date costs recorded through June 30, 2016.
- 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 June 30, 2016
- 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 June 30, 2016.

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 1/1/2016 to 6/30/2016 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 June 30, 2016

DESCRIPTION	YTD	PTD
Total Revenue Collected	<u>\$2,556,445</u>	<u>\$38,828,914</u>
Total Program Costs	\$2,826,730	\$31,806,499
Total Lost Revenues	\$1,827,254	\$10,780,707
Total Efficiency / Maximizing Incentive	\$250,902	\$3,763,286
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 June 30, 2016	<u>\$4,904,886</u>	<u>\$46,425,160</u>

**KENTUCKY POWER COMPANY**  
**SUMMARY INFORMATION (ALL PROGRAMS)**  
As of June 30, 2016

DESCRIPTION	YTD		PTD	
Actual In-Place Energy Savings:	13,678,209	kWh	664,233,204	kWh
w/ T&D Line Losses:	14,854,535	kWh	723,959,480	kWh
Total kW Reductions:				
Winter	2,113	kW	40,573	kW
w/ T&D Line Losses:	2,375	kW	44,681	kW
Summer	2,024	kW	18,040	kW
w/ T&D Line Losses:	2,275	kW	19,893	kW

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	General Residential Administrative
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2016 - June 30, 2016

<b>Costs</b>			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Administrative	\$968	\$0	\$182,597
Promotion	\$1,623	\$0	\$1,623
Other			
<b>Total Costs</b>	<b>\$2,591</b>	<b>\$0</b>	<b>\$184,220</b>

## COMMENTS:

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

The expense forecast for 2016 is \$79,320.

The expense forecast for 2017 is \$75,200.



# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Targeted Energy Efficiency</b>
PARTICIPANT DEFINITION:	Number of Households
CUSTOMER SECTOR:	Residential - Low Income
REPORTING PERIOD:	January 1, 2016 - June 30, 2016

<b>New Participants</b>			
		<u>All Electric</u>	<u>Non All Electric</u>
Jan		5	0
Feb		3	0
Mar		3	0
Apr		6	1
May		6	0
Jun		12	0
Jul			
Aug			
Sep			
Oct			
Nov			
Dec			
<b>YTD</b>		<b>35</b>	<b>1</b>
<b>PTD</b>		<b>3,872</b>	<b>1,127</b>

<b>Impacts</b>			
		<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings		<b>99,069</b>	<b>90,777,606</b>
Anticipated Peak Demand (kW) Reduction:			
Summer		<b>22</b>	<b>1,034</b>
Winter		<b>2</b>	<b>3,368</b>

<b>Costs</b>			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$298,002
Equipment/Vendor:	\$82,770	\$0	\$4,379,308
Promotional:	\$0	\$0	\$0
Customer Incentives:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$9,553
<b>Total Program Costs</b>	<b>\$82,770</b>	<b>\$0</b>	<b>\$4,686,863</b>
<b>Lost Revenues:</b>	<b>\$24,056</b>	<b>\$1,944</b>	<b>\$1,022,685</b>
<b>Efficiency Incentive:</b>	<b>\$679</b>	<b>\$184</b>	<b>\$186,286</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$123,617</b>
<b>Total Costs</b>	<b>\$107,505</b>	<b>\$2,128</b>	<b>\$6,019,451</b>

## COMMENTS:

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

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

The participant and expense forecast for 2016 is 129 homes and \$298,654.

The participant and expense forecast for 2017 is 139 homes and \$308,520, respectively.

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Community Outreach</b>
PARTICIPANT DEFINITION:	Number of Customers
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2016 - June 30, 2016

<b>New Participants</b>	
Jan	0
Feb	0
Mar	365
Apr	0
May	920
Jun	0
Jul	
Aug	
Sep	
Oct	
Nov	
Dec	
<b>YTD</b>	<b>1,285</b>
<b>PTD</b>	<b>36,554</b>

<b>Impacts</b>		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	27,910	2,978,867
Anticipated Peak Demand (kW) Reduction:		
Summer	3	1,013
Winter	3	1,160

<b>Costs</b>			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$31,116
Equipment/Vendor:	\$9,185	\$0	\$323,806
Promotional:	\$0	\$0	\$16,703
Administration:	\$2,480	\$0	\$9,068
Other Costs:	\$0	\$0	\$0
<b>Total Program Costs</b>	<b>\$11,665</b>	<b>\$0</b>	<b>\$380,693</b>
<b>Lost Revenues:</b>	<b>\$8,586</b>	<b>\$0</b>	<b>\$283,265</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$121,877</b>
<b>Maximizing Incentive:</b>	<b>\$583</b>	<b>\$0</b>	<b>\$583</b>
<b>Total Costs</b>	<b>\$20,834</b>	<b>\$0</b>	<b>\$786,418</b>

## COMMENTS:

The Community Outreach program is designed to educate and influence residential customers to purchase and use energy conservation measures in their homes. A package of 4 high efficiency CFLs are distributed to customers at scheduled community outreach events. An energy efficiency kit consisting of 2 light emitting diodes (LED) and 1 low-flow faucet aerator will be introduced in the fall of 2016.

The participant and expense forecast for 2016 is 4,000 customers and \$32,616, respectively. The participant and expense forecast for 2017 is 4,000 customers and \$51,887, respectively.

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Energy Education For Students</b>
PARTICIPANT DEFINITION:	Number of Students receiving EE kits
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2016 - June 30, 2016

<b>New Participants</b>	
Jan	0
Feb	0
Mar	0
Apr	0
May	250
Jun	0
Jul	
Aug	
Sep	
Oct	
Nov	
Dec	
<b>YTD</b>	<b>250</b>
<b>PTD</b>	<b>13,577</b>

<b>Impacts</b>		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	4,073	1,052,716
Anticipated Peak Demand (kW) Reduction:		
Summer	1	417
Winter	1	326

<b>Costs</b>			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$21,396
Equipment/Vendor:	\$0	\$0	\$117,490
Promotional:	\$0	\$0	\$2,770
Education Workshops	\$0	\$0	\$22,142
Administration	\$0	\$0	\$33,491
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$197,289</b>
<b>Lost Revenues:</b>	<b>\$3,129</b>	<b>\$0</b>	<b>\$112,358</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$36,488</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Costs</b>	<b>\$3,129</b>	<b>\$0</b>	<b>\$346,135</b>

## COMMENTS:

The Energy Education for Students program is designed to partner with the National Energy Education Development Project (NEED) to implement an energy education program for middle school students at participating schools. The students will be provided a package of four 13 watt CFLs to install in their homes. The program will 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 introduced in the fall of 2016.

The participant and expense forecast for 2016 is 2,200 students and \$40,268, respectively. The participant and expense forecast for 2017 is 2,200 students and \$42,765, respectively.

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	Home Performance
PARTICIPANT DEFINITION:	Customer Accounts
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2016 - June 30, 2016

<b>New Participants</b>	<u>New</u>	<u>Cumulative</u>
Jan	30,000	60,000
Feb	0	60,000
Mar	0	60,000
Apr	0	60,000
May	0	60,000
Jun	0	60,000
Jul	0	60,000
Aug	0	60,000
Sep	0	60,000
Oct	0	60,000
Nov	0	60,000
Dec	0	60,000
<b>YTD</b>	<b>30,000</b>	<b>60,000</b>
<b>PTD</b>	<b>60,000</b>	<b>60,000</b>

<b>Impacts</b>	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	5,266,752	10,898,102
Anticipated Peak Demand (kW) Reduction:		
Summer	818	1,633
Winter	818	1,633

<b>Costs</b>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
<u>Description</u>			
Total Evaluation	\$0	\$0	\$0
Equipment/Vendor:	\$494,500	\$0	\$923,500
Promotional:	\$0	\$0	\$0
Customer Incentives:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$0
<b>Total Program Costs</b>	<b>\$494,500</b>	<b>\$0</b>	<b>\$923,500</b>
<b>Lost Revenues:</b>	<b>\$279,450</b>	<b>\$0</b>	<b>\$465,743</b>
<b>Efficiency Incentive:</b>	<b>\$34,200</b>	<b>\$0</b>	<b>\$53,350</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Costs</b>	<b>\$808,150</b>	<b>\$0</b>	<b>\$1,442,593</b>

## COMMENTS:

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

The participant and expense forecast for 2016 is 60,000 and \$602,940, respectively. The participant and expense forecast for 2017 is 65,000 and \$618,800, respectively.

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Residential Efficient Products</b>
PARTICIPANT DEFINITION:	Number of Units purchased
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2016 - June 30, 2016

<b>New Participants</b>					
	<u>Standard CFL</u>	<u>Standard LED</u>	<u>Specialty LED</u>	<u>Clothes Washer</u>	
Jan	2,051	889	388		
Feb	73,425	10,845	5,256		
Mar	78,828	7,334	3,029		
Apr	32,523	2,595	479		
May	21,154	3,090	1,343		
Jun	20,456	2,174	6		
Jul					
Aug					
Sep					
Oct					
Nov					
Dec					
<b>YTD</b>	<b>228,437</b>	<b>26,927</b>	<b>10,501</b>		
<b>PTD</b>	<b>1,546,280</b>	<b>70,635</b>	<b>23,558</b>		
	<u>Room Air Purifiers</u>	<u>Dehumidifiers</u>	<u>Refrigerators</u>	<u>Freezers</u>	<u>Heat Pump Water Heater</u>
Jan	0	10	32	10	1
Feb	2	12	42	7	2
Mar	6	19	3	1	2
Apr	4	10	0	0	2
May	6	18	1	0	0
Jun	2	9	0	0	0
Jul					
Aug					
Sep					
Oct					
Nov					
Dec					
<b>YTD</b>	<b>20</b>	<b>78</b>	<b>78</b>	<b>18</b>	<b>7</b>
<b>PTD</b>	<b>20</b>	<b>268</b>	<b>443</b>	<b>112</b>	<b>19</b>

<b>Impacts</b>			
	<u>Year-To-Date</u>	<u>Program-To-Date</u>	
Estimated in Place Energy (kWh) Savings	5,223,878	40,972,864	
Anticipated Peak Demand (kW) Reduction:			
Summer	616	5,026	
Winter	616	7,214	

<b>Costs</b>			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$62,212
Equipment/Vendor:	\$225,558	\$0	\$1,732,342
Promotional:	\$1,248	\$0	\$43,299
Customer Incentives:	\$424,564	\$0	\$2,137,728
Other Costs:	\$0	\$0	\$0
<b>Total Program Costs</b>	<b>\$651,370</b>	<b>\$0</b>	<b>\$3,975,581</b>
<b>Lost Revenues:</b>	<b>\$683,567</b>	<b>\$0</b>	<b>\$2,105,764</b>
Efficiency Incentive:	\$98,497	\$0	\$1,054,356
Maximizing Incentive:	\$425	\$0	\$15,685
<b>Total Costs</b>	<b>\$1,433,859</b>	<b>\$0</b>	<b>\$7,151,386</b>

**COMMENTS:**

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

The participant forecast for 2016 is 235,112 ENERGY STAR CFLs, 96,927 ENERGY STAR LEDs, 20,506 Specialty ENERGY STAR LEDs, 644 ENERGY STAR rated Clothes Washers, 176 ENERGY STAR rated Dehumidifiers, 46 ENERGY STAR rated Air Purifiers, 78 ENERGY STAR rated Refrigerators, 18 ENERGY STAR rated Freezers and 7 ENERGY STAR rated Heat Pump Water Heaters. The expense forecast for 2016 is \$1,149,207.

The participant forecast for 2017 is 250,000 ENERGY STAR LEDs and 15,000 Specialty ENERGY STAR LEDs, 50 ENERGY STAR Air Purifiers, 400 ENERGY STAR rated Clothes Washers, 125 ENERGY STAR rated Dehumidifiers. The expense forecast for 2017 is \$1,222,313

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Appliance Recycling</b>
PARTICIPANT DEFINITION:	Number of Units Recycled
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2016 - June 30, 2016

<b>New Recycled Units</b>	<u>Refrigerator</u>	<u>Freezer</u>
Jan	0	0
Feb	0	0
Mar	0	0
Apr	1	0
May	19	7
Jun	35	7
Jul	0	0
Aug	0	0
Sep	0	0
Oct	0	0
Nov	0	0
Dec	0	0
<b>YTD</b>	<b>55</b>	<b>14</b>
<b>PTD</b>	<b>485</b>	<b>131</b>

<b>Impacts</b>		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	<b>41,963</b>	<b>474,230</b>
Anticipated Peak Demand (kW) Reduction:		
Summer	<b>5</b>	<b>43</b>
Winter	<b>5</b>	<b>43</b>

<b>Costs</b>			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$0
Equipment/Vendor:	\$139	\$0	\$41,462
Promotional:	\$0	\$0	\$14,609
Customer Incentives:	\$1,460	\$0	\$32,880
Other Costs:	\$0	\$0	\$0
<b>Total Program Costs</b>	<b>\$1,599</b>	<b>\$0</b>	<b>\$88,951</b>
<b>Lost Revenues:</b>	<b>\$9,464</b>	<b>\$0</b>	<b>\$17,488</b>
<b>Efficiency Incentive:</b>	<b>\$77</b>	<b>\$0</b>	<b>\$4,119</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Costs</b>	<b>\$11,140</b>	<b>\$0</b>	<b>\$110,558</b>

## COMMENTS:

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

The participant and expense forecast for 2016 is 575 and \$101,046, respectively. The participant and expense forecast for 2017 is 595 and \$102,317, respectively.

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	New Manufactured Homes
PARTICIPANT DEFINITION:	Homes
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2016 - June 30, 2016

<b>Manufactured Homes:</b>	<u>Energy Efficient</u>	<u>Energy Star</u>
Jan	10	0
Feb	8	0
Mar	13	0
Apr	3	0
May	15	0
Jun	13	0
Jul	0	0
Aug	0	0
Sep	0	0
Oct	0	0
Nov	0	0
Dec	0	0
<b>YTD</b>	<b>62</b>	<b>0</b>
<b>PTD</b>	<b>62</b>	<b>0</b>

<b>Impacts</b>		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	135,662	135,662
Anticipated Peak Demand (kW) Reduction:		
Summer	56	56
Winter	39	39

<b>Costs</b>			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$0
Equipment/Vendor:	\$8,533	\$0	\$8,533
Promotional:	\$0	\$0	\$0
Customer Incentives:	\$30,500	\$0	\$30,500
Other Costs:	\$0	\$0	\$0
<b>Total Program Costs</b>	<b>\$39,033</b>	<b>\$0</b>	<b>\$39,033</b>
<b>Lost Revenues:</b>	<b>\$1,764</b>	<b>\$0</b>	<b>\$1,764</b>
<b>Efficiency Incentive:</b>	<b>\$6,479</b>	<b>\$0</b>	<b>\$6,479</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Costs</b>	<b>\$47,276</b>	<b>\$0</b>	<b>\$47,276</b>

## COMMENTS:

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

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

The participant and expense forecast for 2016 is 155 homes and \$161,248, respectively. The participant and expense forecast for 2017 is 164 homes and \$244,530, respectively.

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Whole House Efficiency</b>
PARTICIPANT DEFINITION:	Participants
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2016 - June 30, 2016

<b>Audits &amp; Rebates:</b>	<u>Single Family</u>	<u>Multi-Family</u>	<u>Weatherization</u>	<u>HVAC</u>
Jan	42	0	0	40
Feb	244	2	0	53
Mar	192	1	0	28
Apr	140	1	0	134
May	113	0	0	91
Jun	153	1	0	139
Jul	0	0	0	0
Aug	0	0	0	0
Sep	0	0	0	0
Oct	0	0	0	0
Nov	0	0	0	0
Dec	0	0	0	0
<b>YTD</b>	<b>884</b>	<b>5</b>	<b>0</b>	<b>485</b>
<b>PTD</b>	<b>884</b>	<b>5</b>	<b>0</b>	<b>485</b>

<b>Impacts</b>		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	1,551,325	1,551,325
Anticipated Peak Demand (kW) Reduction:		
Summer	217	217
Winter	399	399

<b>Costs</b>			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$0
Equipment/Vendor:	\$527,636	\$0	\$527,636
Promotional:	\$91,647	\$0	\$91,647
Customer Incentives:	\$181,400	\$0	\$181,400
Other Costs:	\$0	\$0	\$0
<b>Total Program Costs</b>	<b>\$800,682</b>	<b>\$0</b>	<b>\$800,682</b>
<b>Lost Revenues:</b>	<b>\$19,514</b>	<b>\$0</b>	<b>\$19,514</b>
<b>Efficiency Incentive:</b>	<b>\$43,281</b>	<b>\$0</b>	<b>\$43,281</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Costs</b>	<b>\$863,477</b>	<b>\$0</b>	<b>\$863,477</b>

## COMMENTS:

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

The program delivers three options:

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

The participant and expense forecast for 2016 is 2,020 home audits, 150 weatherization and 1,036 HVAC rebates and \$1,901,103, respectively.

The participant and expense forecast for 2017 is 2,020 home audits, 165 weatherization and 612 HVAC rebates and \$1,648,726, respectively.



# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>High Efficiency Heat Pump - Mobile Home - Inactive</b>
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2016 - June 30, 2016

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

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

<b>Costs</b>			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$67,774
Equipment/Vendor:	\$0	\$0	\$119,755
Promotional:	\$0	\$0	\$4,860
Customer Incentives:	\$0	\$0	\$1,413,100
Other Costs:	\$0	\$0	\$1,167
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,606,656</b>
<b>Lost Revenues:</b>	<b>\$32,753</b>	<b>\$5,820</b>	<b>\$853,967</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$18,331</b>	<b>\$355,268</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Costs</b>	<b>\$32,753</b>	<b>\$24,151</b>	<b>\$2,815,891</b>

## COMMENTS:

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

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

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Mobile Home New Construction - Inactive</b>
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2016 - June 30, 2016

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

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

<b>Costs</b>			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$50,872
Equipment/Vendor:	\$0	\$0	\$167,463
Promotional:	\$0	\$0	\$5,952
Customer Incentives:	\$0	\$0	\$1,456,450
Other Costs:	\$0	\$0	\$5,616
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,686,353</b>
<b>Lost Revenues:</b>	<b>\$17,274</b>	<b>\$0</b>	<b>\$785,363</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$223,411</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,580</b>
<b>Total Costs</b>	<b>\$17,274</b>	<b>\$0</b>	<b>\$2,697,707</b>

## COMMENTS:

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

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

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Modified Energy Fitness - Inactive</b>
PARTICIPANT DEFINITION:	Number of Home Audits
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2016 - June 30, 2016

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

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

<b>Costs</b>			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$72,235
Equipment/Vendor:	\$151	\$0	\$5,477,085
Promotional:	\$0	\$0	\$187,769
Customer Incentives:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$0
<b>Total Program Costs</b>	<b>\$151</b>	<b>\$0</b>	<b>\$5,737,089</b>
<b>Lost Revenues:</b>	<b>\$113,828</b>	<b>\$0</b>	<b>\$1,498,628</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$387,254</b>
<b>Maximizing Incentive:</b>	<b>\$8</b>	<b>\$0</b>	<b>\$8</b>
<b>Total Costs</b>	<b>\$113,987</b>	<b>\$0</b>	<b>\$7,622,979</b>

## COMMENTS:

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

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

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

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>High Efficiency Heat Pumps - Inactive</b>
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2016 - June 30, 2016

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

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

<b>Costs</b>			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$36,601
Equipment/Vendor:	\$0	\$0	\$233,200
Promotional:	\$0	\$0	\$15,714
Customer Incentives:	\$0	\$0	\$1,644,160
Other Costs:	\$0	\$0	\$0
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,929,675</b>
<b>Lost Revenues:</b>	<b>\$61,282</b>	<b>\$0</b>	<b>\$537,625</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$351,883</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$17,177</b>
<b>Total Costs</b>	<b>\$61,282</b>	<b>\$0</b>	<b>\$2,836,360</b>

## COMMENTS:

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

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

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Residential HVAC Diagnostic and Tune-up - Inactive</b>
PARTICIPANT DEFINITION:	Number of Units receiving service
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2016 - June 30, 2016

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

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

<b>Costs</b>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$30,594
Equipment/Vendor:	\$0	\$0	\$108,975
Promotional:	\$0	\$0	\$15,099
Customer Incentives:	\$0	\$0	\$110,640
Administration:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$50
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$265,358</b>
<b>Lost Revenues:</b>	<b>\$2,808</b>	<b>\$1,944</b>	<b>\$42,682</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$184</b>	<b>\$8,930</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$8,115</b>
<b>Total Costs</b>	<b>\$2,808</b>	<b>\$2,128</b>	<b>\$325,085</b>

## COMMENTS:

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

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

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Pilot Residential Load Management - Inactive</b>
PARTICIPANT DEFINITION:	Number of Switches Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2016 - June 30, 2016

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

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

<b>Costs</b>			
<u>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
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$338,927</b>
<b>Lost Revenues:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$338,927</b>

## COMMENTS:

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

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	Energy Fitness - Inactive
PARTICIPANT DEFINITION:	Number of Households
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2016 - June 30, 2016

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

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

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

**COMMENTS:**

This program was discontinued May 14, 1999.

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Compact Fluorescent Bulb - Inactive</b>
PARTICIPANT DEFINITION:	Number of Bulbs Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2016 - June 30, 2016

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

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

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

## COMMENTS:

This program was discontinued December 31, 1996



# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>High Efficiency Heat Pumps Retro - Inactive</b>
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Residential
REPORTING PERIOD:	January 1, 2016 - June 30, 2016

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

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

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

## COMMENTS:

This program was discontinued December 31, 2001.

# KENTUCKY POWER COMPANY

## PROGRAM INFORMATION

PROGRAM:	General Commercial Administrative
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2016 - June 30, 2016

### Costs

<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Administrative	\$968	\$0	\$233,789
Promotion	\$0	\$0	\$2,171
Other	\$0	\$0	\$0
<b>Total Costs</b>	<b>\$968</b>	<b>\$0</b>	<b>\$235,960</b>

### COMMENTS:

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

The expense forecast for 2016 is \$56,467.

The expense forecast for 2017 is \$50,000.

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Commercial Appliance Recycling</b>
PARTICIPANT DEFINITION:	Number of Units Recycled
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2016 - June 30, 2016

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

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

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

**COMMENTS:**

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

The program is proposed for the 2017 program year.  
 The participant and expense forecast for 2017 is 50 and \$8,253, respectively.

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	Commercial High Efficiency HP/AC
PARTICIPANT DEFINITION:	Number of Units Installed
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2016 - June 30, 2016

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

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

<b>Costs</b>			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$28,806
Equipment/Vendor:	-\$250	\$0	\$3,950
Promotional:	\$0	\$0	\$25,745
Customer Incentives:	\$1,950	\$0	\$33,400
Other Costs:	\$0	\$0	\$0
<b>Total Program Costs</b>	<b>\$1,700</b>	<b>\$0</b>	<b>\$91,901</b>
<b>Lost Revenues:</b>	<b>\$1,101</b>	<b>\$0</b>	<b>\$4,724</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,224</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,335</b>
<b>Total Costs</b>	<b>\$2,801</b>	<b>\$0</b>	<b>\$101,184</b>

## COMMENTS:

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

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

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>CI Prescriptive Custom</b>
PARTICIPANT DEFINITION:	Number of Participants Projects Installed
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2016 - June 30, 2016

<b>New Participants</b>	<u>Projects Installed</u>
Jan	9
Feb	27
Mar	16
Apr	13
May	16
Jun	29
Jul	
Aug	
Sep	
Oct	
Nov	
Dec	
<b>YTD</b>	<b>110</b>
<b>PTD</b>	<b>110</b>

<b>Impacts</b>		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	2,128,496	2,128,496
Anticipated Peak Demand (kW) Reduction:		
Summer	409	409
Winter	376	376

<b>Costs</b>			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$0
Equipment/Vendor:	\$339,020	\$0	\$339,020
Promotional:	\$708	\$0	\$708
Customer Incentives:	\$376,621	\$0	\$376,621
Other Costs:	\$0	\$0	\$0
<b>Total Program Costs</b>	<b>\$716,349</b>	<b>\$0</b>	<b>\$716,349</b>
<b>Lost Revenues:</b>	<b>\$41,049</b>	<b>\$0</b>	<b>\$41,049</b>
<b>Efficiency Incentive:</b>	<b>\$64,325</b>	<b>\$0</b>	<b>\$64,325</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Costs</b>	<b>\$821,723</b>	<b>\$0</b>	<b>\$821,723</b>

## COMMENTS:

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

The participant and expense forecast for 2016 is 200 customers and \$1,474,159. This program was modified in 2016 to include only prescriptive and custom services. The 2017 participant and expense forecast is 215 and \$1,566,845, respectively.

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>School Energy Manager Program</b>
PARTICIPANT DEFINITION:	School District Participation
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2016 - June 30, 2016

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

<b>Impacts</b>	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	257,637	692,178
Anticipated Peak Demand (kW) Reduction:		
Summer	96	212
Winter	96	451

<b>Costs</b>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$0
Equipment/Vendor:	\$0	\$0	\$200,000
Promotional:	\$0	\$0	\$0
Customer Incentives:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$0
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$200,000</b>
<b>Lost Revenues:</b>	<b>\$21,785</b>	<b>\$0</b>	<b>\$21,785</b>
Efficiency Incentive:	\$191	\$0	\$528
Maximizing Incentive:	\$0	\$0	\$0
<b>Total Costs</b>	<b>\$21,976</b>	<b>\$0</b>	<b>\$222,313</b>

## COMMENTS:

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

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

The expense forecast for 2016 is \$202,670.  
The expense forecast for 2017 is \$208,000.

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Express Install</b>
PARTICIPANT DEFINITION:	Completed Customer Project
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2016 - June 30, 2016

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

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

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

## COMMENTS:

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

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

The participant and expense forecast for 2016 is 45 customer projects and \$192,378. The participant and expense forecast for 2017 is 54 customer projects and \$222,150.

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>New Construction</b>
PARTICIPANT DEFINITION:	Completed Customer Project
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2016 - June 30, 2016

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

<b>Impacts</b>		
	<u>Year-To-Date</u>	<u>Program-To-Date</u>
Estimated in Place Energy (kWh) Savings	117,770	117,770
Anticipated Peak Demand (kW) Reduction:		
Summer	32	32
Winter	20	20

<b>Costs</b>			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$0
Equipment/Vendor:	\$0	\$0	\$0
Promotional:	\$0	\$0	\$0
Customer Incentives:	\$4,191	\$0	\$4,191
Other Costs:	\$0	\$0	\$0
<b>Total Program Costs</b>	<b>\$4,191</b>	<b>\$0</b>	<b>\$4,191</b>
<b>Lost Revenues:</b>	<b>\$2,306</b>	<b>\$0</b>	<b>\$2,306</b>
<b>Efficiency Incentive:</b>	<b>\$2,157</b>	<b>\$0</b>	<b>\$2,157</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Costs</b>	<b>\$8,654</b>	<b>\$0</b>	<b>\$8,654</b>

## COMMENTS:

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

Participation includes two components:

1. Whole Building Approach
2. Systems Approach

The participant and expense forecast for 2016 is 12 customer projects and \$93,483.

The participant and expense forecast for 2017 is 12 customer projects and \$134,940.



# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Retro-Commissioning</b>
PARTICIPANT DEFINITION:	Customer Project
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2016 - June 30, 2016

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

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

<b>Costs</b>			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$0
Equipment/Vendor:	\$1,872	\$0	\$1,872
Promotional:	\$0	\$0	\$0
Customer Incentives:	\$0	\$0	\$0
Other Costs:	\$0	\$0	\$0
<b>Total Program Costs</b>	<b>\$1,872</b>	<b>\$0</b>	<b>\$1,872</b>
<b>Lost Revenues:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Costs</b>	<b>\$1,872</b>	<b>\$0</b>	<b>\$1,872</b>

## COMMENTS:

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

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

The participant and expense forecast for 2016 is 3 customer projects and \$108,093.  
 The participant and expense forecast for 2017 is 3 customer projects and \$133,080.

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Commercial Incentive - Inactive</b>
PARTICIPANT DEFINITION:	Number of Participants Projects Installed
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2016 - June 30, 2016

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

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

<b>Costs</b>			
<u>Description</u>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
Total Evaluation	\$0	\$0	\$142,391
Equipment/Vendor:	\$17,289	\$0	\$2,239,695
Promotional:	\$0	\$0	\$77,393
Customer Incentives:	\$0	\$0	\$2,285,384
Other Costs:	\$0	\$0	\$0
<b>Total Program Costs</b>	<b>\$17,289</b>	<b>\$0</b>	<b>\$4,744,863</b>
<b>Lost Revenues:</b>	<b>\$502,668</b>	<b>\$0</b>	<b>\$1,329,145</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$315,014</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$102,031</b>
<b>Total Costs</b>	<b>\$519,957</b>	<b>\$0</b>	<b>\$6,491,053</b>

## COMMENTS:

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

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

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	Commercial HVAC Diagnostic and Tune-up - Inactive
PARTICIPANT DEFINITION:	Number of Units receiving service
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2016 - June 30, 2016

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

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

<b>Costs</b>	<u>Year-To-Date</u>	<u>Retroactive Adjustment</u>	<u>Program-To-Date</u>
<b>Description</b>			
Total Evaluation	\$0	\$0	\$26,347
Equipment/Vendor:	\$0	\$0	\$14,525
Promotional:	\$0	\$0	\$13,177
Customer Incentives:	\$0	\$0	\$21,450
Other Costs:	\$0	\$0	\$0
<b>Total Program Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$75,499</b>
<b>Lost Revenues:</b>	<b>\$870</b>	<b>\$0</b>	<b>\$9,800</b>
<b>Efficiency Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,496</b>
<b>Maximizing Incentive:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,415</b>
<b>Total Costs</b>	<b>\$870</b>	<b>\$0</b>	<b>\$91,210</b>

## COMMENTS:

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

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

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

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	<b>Pilot Commercial Load Management - Inactive</b>
PARTICIPANT DEFINITION:	Number of Switches Installed
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2016 - June 30, 2016

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

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

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

## COMMENTS:

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

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	Smart Audit - Commercial - Inactive
PARTICIPANT DEFINITION:	Number of Audits
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2016 - June 30, 2016

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

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

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

**COMMENTS:**

This program was discontinued December 31, 2002.

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	Smart Incentive - Commercial - Inactive
PARTICIPANT DEFINITION:	Number of Incentives
CUSTOMER SECTOR:	Commercial
REPORTING PERIOD:	January 1, 2016 - June 30, 2016

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

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

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

**COMMENTS:**

This program was discontinued December 31, 2002.

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	Smart Audit - Industrial - Inactive
PARTICIPANT DEFINITION:	Number of Audits
CUSTOMER SECTOR:	Industrial
REPORTING PERIOD:	January 1, 2016 - June 30, 2016

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

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

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

**COMMENTS:**

This program was discontinued December 31, 1998.

# KENTUCKY POWER COMPANY

<b>PROGRAM INFORMATION</b>	
PROGRAM:	Smart Incentive - Industrial - Inactive
PARTICIPANT DEFINITION:	Number of Incentives
CUSTOMER SECTOR:	Industrial
REPORTING PERIOD:	January 1, 2016 - June 30, 2016

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

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

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

**COMMENTS:**

This program was discontinued December 31, 1998.