



INTEGRATED RESOURCE PLANNING REPORT

TO THE

KENTUCKY PUBLIC SERVICE COMMISSION

Case No. 2019-00443

VOLUME A – PUBLIC VERSION

December 20, 2019



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Executive Summary

This Integrated Resource Plan (IRP, Plan, or Report) is submitted by Kentucky Power Company (Kentucky Power or Company) based upon the best information available at the time of its preparation. This Plan is not a commitment to specific resource additions or other courses of action, as the future is highly uncertain. Accordingly, this IRP and the action items described herein are subject to change as new information becomes available or as circumstances warrant.

An IRP explains how a utility company plans to meet the projected capacity (*i.e.*, peak demand) and energy requirements of its customers. Kentucky Power is required to provide an IRP that encompasses a 15-year forecast period (in this filing, 2020-2034). This IRP has been developed using the Company's current long-term assumptions for:

- customer load requirements – peak demand and energy;
- commodity prices – coal, natural gas, on-peak and off-peak power prices, capacity and emission prices;
- supply-side alternative costs – including fossil fuel and renewable resources; and
- demand-side management program costs and impacts.

This IRP also considers the potential cost associated with some form of future regulation of carbon emissions, during the planning period, even though there is considerable uncertainty as to the timing and form future carbon regulation may take.

Summary of Kentucky Power Resource Plan

Kentucky Power's customers consist of both retail and sales-for-resale (wholesale) customers located in the Commonwealth of Kentucky. Currently, Kentucky Power serves approximately 166,000 retail customers. The peak load requirement of Kentucky Power's total retail and wholesale customers is seasonal in nature, with distinctive peaks occurring in the summer and winter seasons. Kentucky Power's all-time highest recorded peak demand was 1,685 MW, which occurred in January 2005; and the highest recorded summer peak was 1,358 MW, which occurred in July 2005. The most recent (summer 2019 and winter 2018/19) actual Kentucky



Power summer and winter peak demands were 993 MW and 1,297 MW, occurring on August 19, 2019 and January 31, 2019, respectively.

Over the next 15-year period (2020-2034), Kentucky Power's service territory is expected to experience population decline at 0.1% per year and relatively flat non-farm employment. Kentucky Power is projected to see customer count decline at a similar rate of 0.4% per year. Over the same forecast period, Kentucky Power's retail sales are projected to show little growth per year with growth expected from the industrial class (+0.6% per year) while the residential class experiences a decline (0.5% per year) over the forecast horizon. Finally, Kentucky Power's internal energy is projected to show little growth and peak demand is expected to decline at an average rate of 0.2% through 2034.

Kentucky Power's IRP provides adequate supply and demand resources to meet its peak load and energy obligations for the next fifteen years. The key initial assumptions in developing this plan are for Kentucky Power to:

- continue operation of the Mitchell Plant (Kentucky Power share 780 MW);
- continue operation through 2030 of Big Sandy Unit 1 (285 MW) which was converted to burn natural gas instead of coal;
- add cost-effective wind and large-scale solar as needed to continue to diversify its mix of supply-side resources; and
- incorporate demand-side resources, including but not limited to additional Energy Efficiency (EE) programs and Volt VAR Optimization (VVO) installations.

Additionally, Kentucky Power expects that customer-owned solar generation will continue to expand, further reducing the requirements for new utility-owned generation. Kentucky Power evaluated other supply- and demand-side measures, and this IRP represents the combination of resources that best meets its customers needs.



The Rockport Plant UPA for 393 MW expires at the end of 2022 and Kentucky Power is currently committed to this agreement through that time. It is assumed, for purposes of this IRP, that the UPA will not be renewed.

Figure ES-1 below presents Kentucky Power’s “Going-In” capacity position. The “Going-In” position represents how Kentucky Power’s existing and planned capacity resources would compare with the capacity requirements absent any incremental changes in capacity.

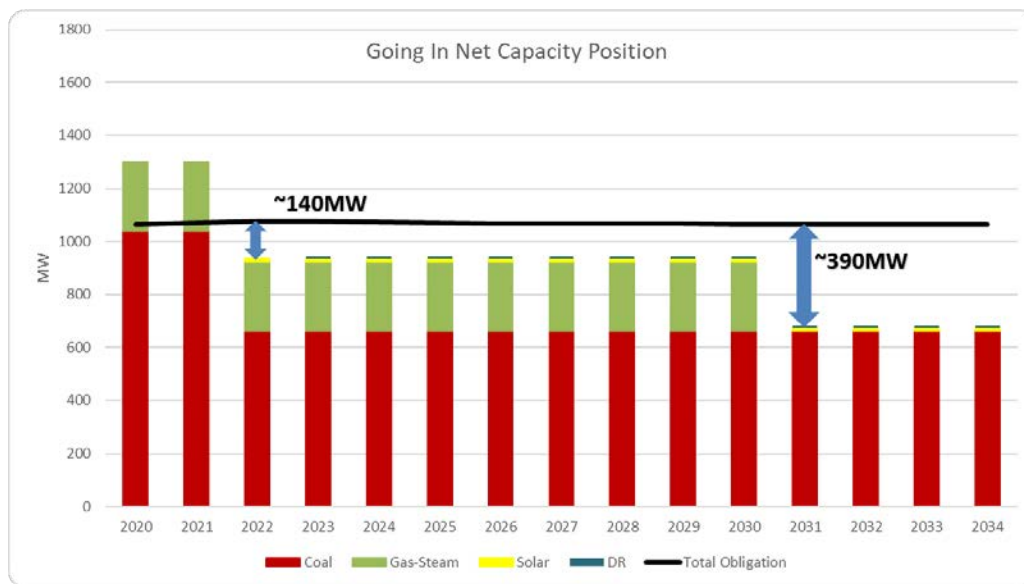


Figure ES-1. Kentucky Power "Going-In" PJM Capacity Position (MW)

To determine the appropriate level and mix of incremental supply-side and demand-side resources to include in its portfolio, Kentucky Power utilized the *Plexos*[®] Linear Program optimization model to develop least cost resource portfolios under a variety of pricing and load scenarios. Although the IRP planning period is limited to 15 years (through 2034), the *Plexos*[®] modeling was performed through the year 2049, so as to properly consider various cost-based “end-effects” for the resource alternatives being considered.

Kentucky Power used the results of the modeling to develop a “Preferred Plan.” To arrive at the Preferred Plan composition, Kentucky Power developed six *Plexos*[®]-derived, “optimum” portfolios under four long-term commodity price forecasts, and two “load sensitivity” forecasts.



Kentucky Power’s Preferred Plan considered a resource mix that included attributes of the various Optimal Plans. Additionally, although the evaluation of the optimization scenarios occurred over a 30-year study period, the revenue requirements throughout the 15-year planning period influenced the identification of the Preferred Plan. The Preferred Plan is an option that balances cost and other factors while meeting Kentucky Power’s peak load obligations. Over the next five years Kentucky Power can meet its customers’ requirements with existing resources and through the use of short-term market purchases (STMP) along with modest investments in renewable resources and energy efficiency. Over the long-term a new aeroderivative natural gas unit and additional renewable resources will be required.

Table ES-1 and Figure ES-2 provide a summary of the incremental capacity additions associated with the Preferred Plan. Table ES-1 further shows the “Going-in” Capacity position, before new resource additions on the row labeled “Capacity Reserves (MW) without new additions” and the capacity position with the Preferred Plan addition shown on the row labeled “Capacity Reserves (MW) with new additions.” These values are relative to the PJM required reserve levels.

Table ES-1. Cumulative PJM Capacity Additions (MW) for Preferred Plan

Commodity Pricing Scenario		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Preferred	New Nat. Gas												122	122	122	122
	New Solar (Nameplate)				101	253	253	253	253	253	253	253	455	455	455	455
	New Solar (Firm)				52	129	129	129	129	129	129	129	233	233	233	233
	New Wind (Nameplate)									100	100	200	200	200	200	200
	New Wind (Firm)									12	12	25	25	25	25	25
	New EE			2	4	6	5	5	4	4	3	3	3	3	2	2
	New VVO					4	4	4	4	4	4	4	8	8	8	8
	New DG				1	2	2	2	2	2	3	3	4	4	4	5
STMP			150	100												
Capacity Reserves (MW) without new additions		236	232	(141)	(141)	(138)	(136)	(133)	(132)	(131)	(131)	(130)	(392)	(392)	(392)	(392)
Capacity Reserves (MW) with new additions		236	232	11	15	2	5	7	8	21	21	34	2	1	1	1

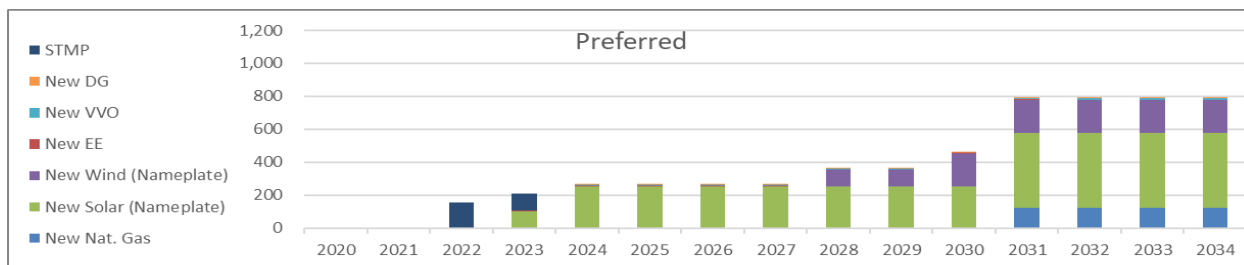


Figure ES-2. Cumulative PJM Nameplate Capacity Additions (MW) for Preferred Plan

In summary, the Preferred Plan:

- Continues operation of Kentucky Power’s existing generation facilities including Big Sandy 1 through 2030, and the Kentucky Power share of the Mitchell Units (West Virginia);
- Selects Short-Term Market Purchases (STMP) for capacity obligations following the expiration of the Rockport UPA in December 2022;
- Adds utility scale solar, beginning with 101 MW (Nameplate) in 2023, increasing to a total of 455 MW (Nameplate) by 2034;
- Adds 100 MW (Nameplate) of new wind resources in 2028 and an additional 100 MW (Nameplate) in 2030;
- Implements customer and grid EE programs, including VVO, reducing energy requirements by over 38 GWh and 10 MW of capacity by 2034; and
- Assumes Kentucky Power’s customers add distributed generation (DG) (*i.e.*, rooftop solar) capacity totaling 9 MW (Nameplate) by 2034.¹

Specific Kentucky Power capacity changes over the 15-year planning period associated with the Preferred Plan are shown in Figure ES-3 and Figure ES-4. The relative impacts to Kentucky Power’s annual energy position are shown in Figure ES-5 and Figure ES-6.

¹ Kentucky Power does not have control over the amount, location or timing of these additions

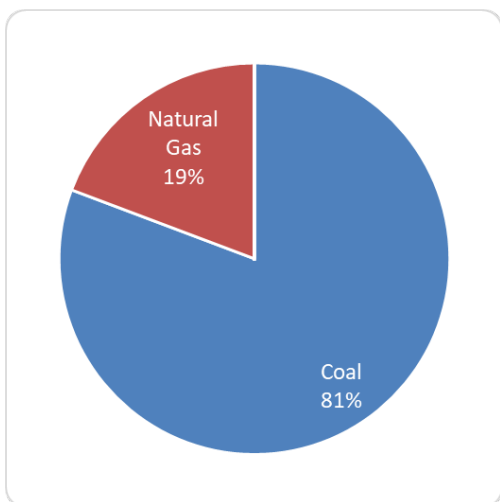


Figure ES-3. Kentucky Power 2020 Nameplate Capacity Mix

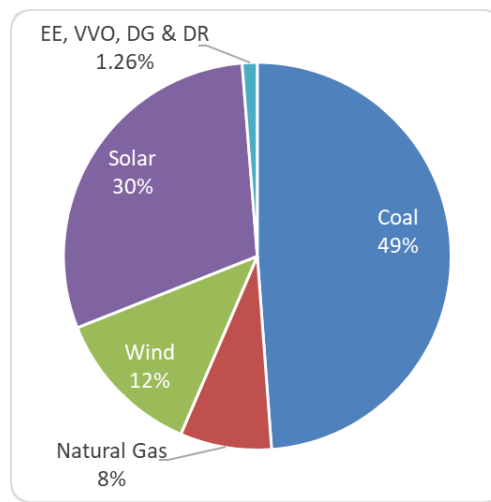


Figure ES-4. Kentucky Power 2034 Nameplate Capacity Mix

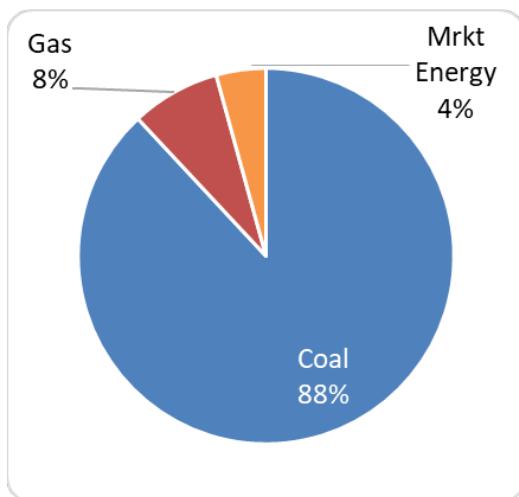


Figure ES-5. Kentucky Power 2020 Energy Mix

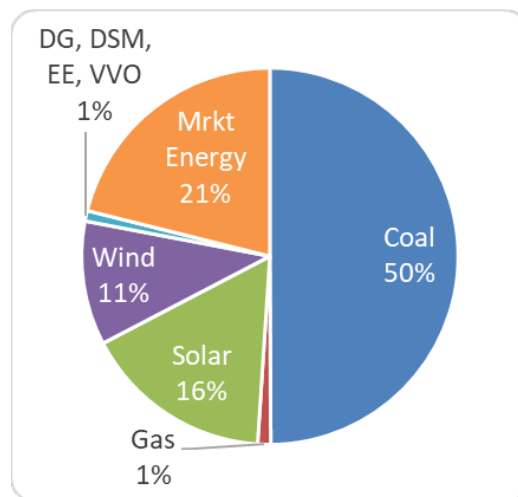


Figure ES-6. Kentucky Power 2034 Energy Mix

Figure ES-3 through Figure ES-6 indicate that this Preferred Plan would reduce Kentucky Power’s reliance on coal-based generation and increase reliance on demand-side (EE, DR, VVO) and renewable resources, further diversifying the portfolio. Specifically, over the 15-year planning period, the Company’s nameplate capacity mix attributable to coal-fired assets would decline from



81% to 49% and natural gas capacity would decline from 20% in 2020 to 8% in 2034. Wind and solar assets climb to 12% and 30%, respectively.

Kentucky Power’s energy output attributable to coal-fired generation shows a decrease from 88% to 50% over the period. The Preferred Plan shows a significant increase in renewable energy (wind and solar), from 0% to 27%. Energy from these renewable resources, combined with EE and VVO energy savings, reduces Kentucky Power’s exposure to energy, fuel, and potential carbon prices.

Figure ES-7 and Figure ES-8 show annual changes in capacity and energy mix, respectively, that result from the Preferred Plan. The capacity contribution from renewable resources is fairly modest due to their intermittent performance, however, those resources (particularly wind) provide a significant volume of energy. When comparing the capacity values in Figure ES-7 with those in Figure ES-3 and Figure ES-4 it is important to note that Figure ES-7 provides an analysis of PJM-recognized capacity, while Figure ES-3 and Figure ES-4 depict nameplate capacity.

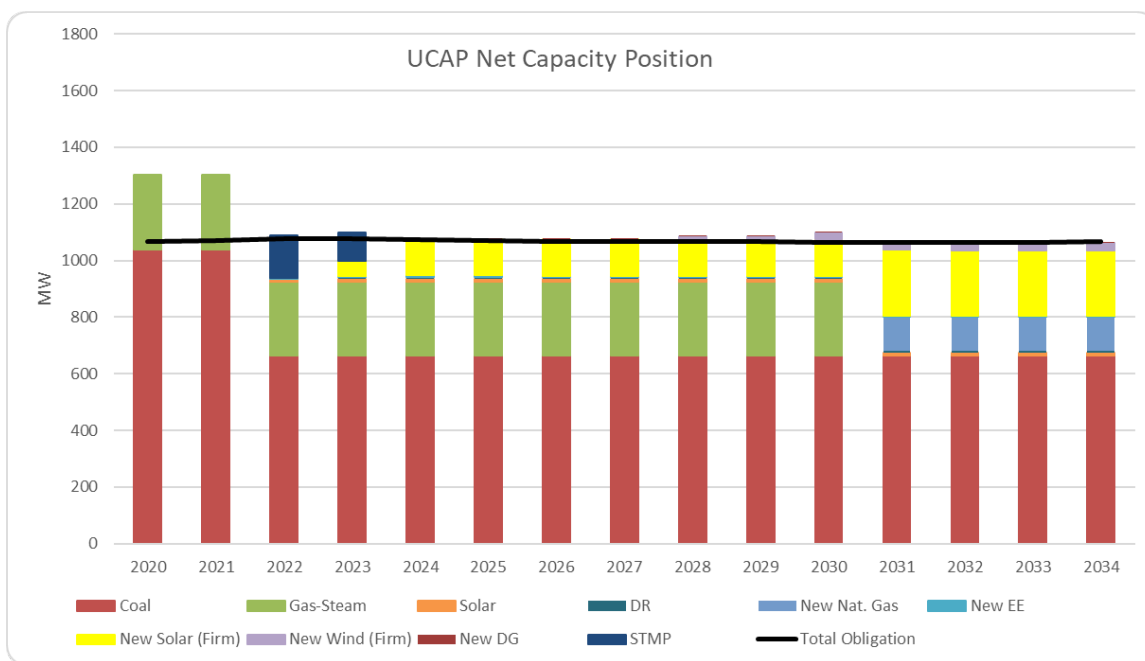


Figure ES-7. Kentucky Power Annual PJM Capacity Position (MW) According to Preferred Plan

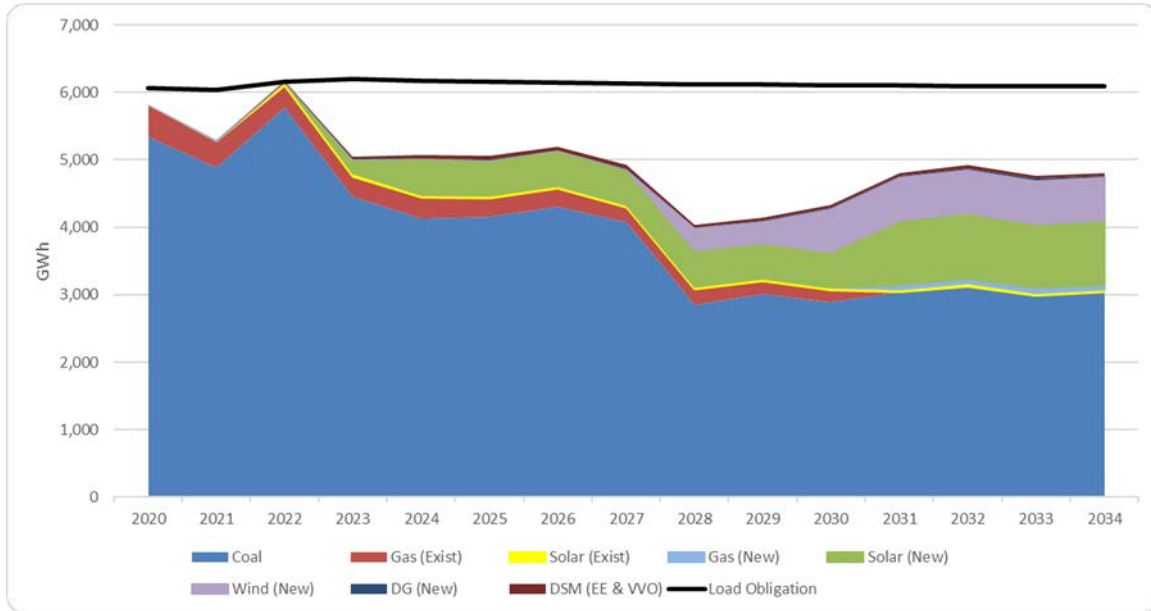


Figure ES-8. Kentucky Power Annual Energy Position (GWh) According to Preferred Plan

Conclusion

This IRP, based upon various assumptions, identifies adequate capacity resources at reasonable cost, through a combination of supply-side resources (including renewable supply-side resources) and demand-side programs throughout the forecast period.

This IRP also addresses the Commission Staff’s 2016 IRP recommendations. A table showing the location of Kentucky Power’s responses to the Staff’s recommendations is included at the end of the Executive Summary and in Exhibit A of the appendix to this report.

The resource portfolios reflect, largely, assumptions that are subject to change; an IRP is simply a snapshot of the future at a given time. As noted previously, this IRP is not a commitment to specific resource additions or other courses of action. The resource planning process is becoming increasingly complex when considering pending regulatory restrictions, technology advancement, changing energy supply pricing fundamentals, uncertainty of demand and end-use



efficiency improvements. These complexities exacerbate the need for flexibility and adaptability in any ongoing planning activity and resource planning process.

To that end, Kentucky Power intends to pursue the following three-year action plan:

1. Pursue economic development opportunities to increase and diversify its industrial and commercial load. This includes looking at green power tariff alternatives for the growing number of customers who seek green power in the upcoming years.
2. Explore opportunities to initiate a Request for Proposal (RFP) to add cost-effective market capacity purchases and solar and wind resources in the near future.
3. Further examine opportunities to increase cost effective levels of EE in alignment with the Preferred Plan.
4. Monitor the status of, and if necessary, participate in formulating plans for Kentucky pertaining to the Affordable Clean Energy rule to replace the Clean Power Plan with new emission guidelines for regulating CO₂ from existing sources.
5. Monitor this action plan and future IRPs to address changing circumstances.



Cross Reference Table of Staff Comments from 2016 Final IRP Report

Topic	Staff Comment	Section
Load Forecast	Provide a comparison of forecasted winter and summer peak demands with actual results for the period following the 2016 IRP, along with a discussion of the reasons for the differences between forecasted and actual peak demands (update of one of the recommendations in the previous IRP Staff Report)	2.12.2 2.12.5
	Provide a comparison of the annual forecast of residential energy sales, using the current econometric models, with actual results for the period following the 2016 IRP. Include a discussion of the reasons for the differences between forecasted and actual results	2.12.2 2.12.5
	More closely examine the reasonableness of the coal mining sector forecast and make necessary adjustments to reflect Kentucky Power’s territorial circumstances.	2.12.5
	Provide and update on Kentucky Power’s economic development efforts including the impact on its load and employment in its service territory	2.12.5
DSM/EE	Kentucky Power should continue to examine the results of the cost effectiveness tests of its remaining DSM programs as compared to the estimates projected by the AEG Study. Kentucky Power should report on existing programs that do not meet or exceed their cost-effectiveness estimate and the proposed alterations, if any, that may allow those programs to be altered to meet the study targets.	3.4.6
	In further support of the Commission's final order in Case No. 2016-00281, Kentucky Power is no longer required to pursue further industrial programs.	3.4.6
	Kentucky Power should continue participating with adjoining AEP operating companies in order to take advantage of economies of scale that allow for reduced advertising costs, enhanced marketing to the extent possible for income-eligible residential DSM programs, and report such savings.	3.4.6
Supply-Side Modeling	Provide a status report of Kentucky Power's implementation and operation with respect to the CP requirements in PJM and any impacts related thereto.	4.7
	Include a discussion of and any changes or modifications that are under consideration for the PCA, and potential impacts to Kentucky Power	1.4 4.7
	In Kentucky Power's modeling for supply-side resources, provide models that include and exclude the Rockport units,	4.7



	including all environmental costs for the model that includes the UPA throughout the planning period, and a comparison of the results.	
	Provide current specific discussions of pending renewable generation sought by Kentucky Power in its system, or by coordination with other utilities	4.7
	Discuss the status of cogeneration and CHP opportunities in its service territory and the consideration given to cogeneration and CHP in the resource plan	3.4.4.2
	Identify and describe currently installed net metering systems	3.4.4.1
	Provide a detailed discussion of the ways in which net metering systems are encouraged and considered in the IRP, along with customer specific statistics	3.4.4.1
	Provide detailed discussions of the consideration, suitability, and evaluation given to distributed generation	3.4.4
	Provide additional specific discussions of the improvements and more efficient utilization of generation, transmission and distribution facilities as required by 807 KAR 5:058, Section 8(2a).	3.5, 3.6
	Discuss system reliability and the criteria used to determine appropriate summer and winter reserve margins. Identify the capacity margin required by PJM and how it correlates to the reserve margin the Company used prior to its RTO membership.	3.2
	In addition to describing how Kentucky Power is addressing current and pending environmental regulations and anticipated new regulations and legislation, the next IRP should address the expected impact and changes on the costs and operations	3.3, 5.3.4
	Discuss how Kentucky Power has addressed uncertainty in modeling future load and the resources to meet that load.	2.4 5.1



1.0 Introduction

1.1 Overview

This Report presents the 2019 Integrated Resource Plan (IRP, Plan, or Report) for Kentucky Power Company (Kentucky Power or Company) including descriptions of assumptions, study parameters, and methodologies. The results integrate supply- and demand-side resources.

The goal of the IRP process is to identify the amount, timing, and type of resources required to ensure a reliable supply of power and energy to customers at the least reasonable cost.

In addition to developing a long-term plan for achieving reliability/reserve margin requirements as set forth by PJM, resource planning is critical to Kentucky Power due to its impact on such things as determining capital expenditure requirements, regulatory planning, environmental compliance, and other planning processes.

1.2 Integrated Resource Plan (IRP) Process

This Report covers the processes and assumptions used to develop the IRP for the Company. This IRP is based upon the best available information at the time of preparation, but changes that may affect its results can, and do, occur without notice. Therefore, this IRP is not a commitment to a specific course of action, and all the resource actions are subject to change.

The IRP process for Kentucky Power includes the following components/steps:

- Describes the Company, the resource planning process in general, and the implications of current issues as they relate to resource planning;
 - provides projected growth in demand and energy which serves as the underpinning of the Plan;
 - identifies and evaluates demand-side options such as Energy Efficiency (EE) measures, Demand Response (DR) and Distributed Generation (DG);
 - describes how the IRP ties to underlying PJM reserve margin requirements;
-



- identifies and evaluates supply-side resource options; and
- performs resource modeling, including modeling various portfolios using a carbon emissions cost beginning in 2028 as a surrogate for potential future carbon emission regulation.

In addition, the IRP addresses the requirements of 807 KAR 5:058 and Kentucky Public Service Commission (KPSC or Commission) Staff recommendations provided in the Staff Report on Kentucky Power’s 2016 Integrated Resource Plan in Case No. 2016-00413. Cross-reference tables of where the Company addresses the requirements of Staff’s recommendations from the 2016 IRP report and 807 KAR 5:058 can be found in Exhibit A and Exhibit B of the appendix.

1.3 Introduction to Kentucky Power

Kentucky Power’s customers consist of both retail and sales-for-resale (wholesale) customers located in the Commonwealth of Kentucky. (see Figure 1) Currently, Kentucky Power serves approximately 166,000 retail customers. The peak load requirement of Kentucky Power’s total retail and wholesale customers is seasonal in nature, with distinctive peaks occurring in the summer and winter seasons. Kentucky Power’s all-time highest recorded peak demand was 1,685 MW, which occurred in January 2005; and the highest recorded summer peak was 1,358 MW, which occurred in July 2005. The most recent (summer 2019 and winter 2018/19) actual Kentucky Power summer and winter peak demands were 993 MW and 1,297 MW, occurring on August 19, 2019 and January 31, 2019, respectively.



Figure 1. Kentucky Power Service Territory



1.4 Power Coordination Agreement (PCA)

Prior to 2014, the AEP-East utilities operated as part of the AEP integrated public utility holding company system under the now-repealed Public Utility Holding Company Act of 1935. As part of that arrangement, those companies coordinated the planning and operations of their respective generating resources pursuant to the AEP Interconnection Agreement (Pool or Pool Agreement). The Pool Agreement was terminated on January 1, 2014.

Since January 1, 2014, Kentucky Power has been responsible for maintaining an adequate level of power supply resources to meet its own load requirements for capacity, including any required reserve margin. Kentucky Power is also a party to the Power Coordination Agreement (PCA).² The most recent change to the PCA was the addition of Wheeling Power Company (Wheeling Power) effective June 1, 2015. This addition was the result of Wheeling Power acquiring a 50% undivided interest in the Mitchell Plant. This change had no impact on Kentucky Power's obligations under the PCA. No further changes to the PCA are under consideration at this time.

1.5 Significant Changes from the 2016 IRP

Kentucky Power generally updates its load forecast and commodity price forecasts on an annual basis. Kentucky Power also monitors the cost of supply- and demand-side resources and incorporates the latest forecasts and trends into its analysis when preparing its IRP. The changes

² The Power Coordination Agreement currently provides Appalachian Power Company (APCo), Indiana Michigan Power (I&M), Kentucky Power and Wheeling Power Company (Wheeling Power) the opportunity to participate collectively (a) under a common Fixed Resource Requirement ("FRR") capacity plan in PJM, and (b) in specified collective off-system sales and purchase activities. Under the Power Coordination Agreement, generation is not planned on a single-system basis as it was under the previous Pool Agreement. Rather, APCo, I&M, Kentucky Power and Wheeling Power individually are required to own or contract for sufficient generation to meet their respective load and reserve obligations. Additional information regarding the PCA as it pertains to Kentucky Power can be found in FERC Docket No. ER13-234.



to the load forecast since the 2016 IRP filing are described in Section 2.9, Exhibit C-11 and Exhibit C-12 of this report. Pricing trends for renewable resources are generally discussed in Section 4.6.5.

Fundamentals pricing continues to decline, primarily due to lower natural gas prices, lower power demand, and lower inflation. Natural gas prices are lower due to increased low cost reserves, increased associated gas production, and continued efficiency gains from technological innovation in horizontal drilling techniques. Table 1 and Table 2 below show, in constant 2018 dollars, the difference in the base commodity price forecast for energy, capacity and fuels.

Table 1. PJM Energy and Capacity Prices in 2016 IRP and 2019 IRP, in 2018 \$

	On-Peak Energy Prices		Off-Peak Energy Prices		Capacity Prices	
	2016 IRP	2019 IRP	2016 IRP	2019 IRP	2016 IRP	2019 IRP
2019	39.33	29.84	29.09	24.56	123.83	124.03
2020	40.27	29.67	30.56	24.36	53.63	82.69
2021	40.68	29.24	30.79	24.15	23.32	106.68
2022	41.11	29.70	31.09	24.67	22.83	80.51
2023	41.56	30.35	31.04	25.24	22.35	73.93
2024	43.93	31.04	33.81	25.89	21.90	68.16
2025	45.96	31.46	36.12	26.22	21.45	63.22
2026	47.90	31.79	38.24	26.51	21.03	59.09
2027	49.94	32.41	40.45	27.03	29.86	55.79
2028	51.83	39.09	42.44	33.72	40.49	53.29
2029	54.20	38.57	44.69	33.14	52.65	51.62
2030	57.55	38.68	46.91	33.16	66.34	50.78
2031	60.16	38.62	49.77	32.91	81.57	50.75
2032	61.67	39.12	52.14	32.92	98.36	51.54
2033	62.44	39.23	53.34	32.87	116.59	53.15
2034	62.31	39.41	53.93	33.21	136.32	55.58



Table 2. Natural Gas and Coal Prices in 2016 IRP and 2019 IRP, in 2018 \$

	Nat. Gas TCO - Delivered		Illinois Basin Coal		PRB Coal	
	2016 IRP	2019 IRP	2016 IRP	2019 IRP	2016 IRP	2019 IRP
2019	4.96	3.07	42.00	42.94	17.43	12.43
2020	4.97	3.20	43.99	39.87	19.36	12.37
2021	4.98	3.19	42.97	38.81	20.26	12.34
2022	5.03	3.26	41.98	38.79	20.38	12.36
2023	5.04	3.38	41.03	38.86	18.36	12.36
2024	5.13	3.45	43.63	39.39	18.73	12.37
2025	5.22	3.56	44.41	39.77	19.65	12.38
2026	5.31	3.64	42.91	40.55	21.56	12.40
2027	5.42	3.70	43.47	41.10	20.22	12.44
2028	5.53	3.86	42.13	40.94	20.42	12.38
2029	5.64	3.88	40.55	40.11	23.29	12.21
2030	5.78	3.91	41.51	39.23	22.17	11.98
2031	5.90	4.01	42.29	37.17	24.48	11.58
2032	6.03	4.00	43.90	36.23	25.24	11.53
2033	6.11	4.04	44.60	35.93	26.90	11.73
2034	6.20	4.12	44.66	34.06	28.07	12.42

Finally, a carbon proxy remains in the forecast, beginning in 2028 at \$15/metric ton of CO₂ emissions, escalating at 3.5% per annum on a nominal basis. The 2016 forecast assumed costs associated with CO₂ emissions would begin in 2024, and those costs would start at \$3/ton, but escalate to \$20/ton by 2030.

Changes in the load forecast, commodity price forecast, and resource pricing assumptions have resulted in a resource plan recommendation that is different than the one proposed in 2016. A key assumption in the 2016 Preferred Plan that is not included in the current IRP was the extension of the UPA from the Rockport Units (393 MW).

These changes resulted in a 2019 resource plan recommendation that is different than the one proposed in 2016. Renewable resources in the 2019 Preferred Plan include solar resources totaling 455 MW by 2034 compared to only 130 MW by 2031 in the 2016 plan and only 200 MW of wind by 2034 compared to 300 MW in 2031 in the 2016 plan. The 2019 plan no longer includes a Combined Heat and Power (CHP) installation that was included in the 2016 plan and instead, includes a 122 MW aeroderivative unit. Demand-side programs including Volt VAR Optimization (VVO) and Energy Efficiency (EE) programs are greatly reduced in the 2019 plan, including only 10 MW compared to 89 MW in the 2016 plan. Battery Storage is excluded in the 2019 plan.



2.0 Load Forecast and Forecasting Methodology

2.1 Summary of Kentucky Power Load Forecast

The Kentucky Power load forecast was developed by the American Electric Power Service Corporation (AEPSC) Economic Forecasting organization and completed in June 2019.³ The final load forecast is the culmination of a series of underlying forecasts that build upon each other. In other words, the economic forecast provided by Moody's Analytics is used to develop the customer forecast, which is then used to develop the sales forecast, which is ultimately used to develop the peak load and internal energy requirements forecast.

Over the next 15-year period (2020-2034),⁴ Kentucky Power's service territory is expected to see population decline at 0.1% per year and non-farm employment growth to be relatively flat. Kentucky Power is projected to see customer count decline at a similar rate of 0.4% per year. Over the same forecast period, Kentucky Power's retail sales are projected to show little growth per year with growth expected from the industrial class (+0.6% per year) while the residential class experiences a decline (0.5% per year) over the forecast horizon. Finally, Kentucky Power's internal energy is projected to show little growth and peak demand is expected to decline at an average rate of 0.2% through 2034.

³ The load forecasts (as well as the historical loads) presented in this Report reflect the traditional concept of internal load, *i.e.*, the load that is directly connected to the utility's transmission and distribution system and that is provided with bundled generation and transmission service by the utility. Such load serves as the starting point for the load forecasts used for generation planning. Internal load is a subset of *connected load*, which also includes directly connected load for which the utility serves only as a transmission provider. Connected load serves as the starting point for the load forecasts used for transmission planning.

⁴ Fifteen year forecast period begins with the first full forecast year of 2020.



2.2 Forecast Assumptions

2.2.1 Economic Assumptions

The load forecasts for Kentucky Power and the other operating companies in the AEP System incorporate a forecast of U.S. and regional economic growth provided by Moody's Analytics. The load forecasts utilized Moody's Analytics economic forecast issued in December 2018. Moody's Analytics projects moderate growth in the U.S. economy during the 2020-2034 forecast period, characterized by a 2.0% annual rise in real Gross Domestic Product (GDP), and moderate inflation, with the implicit GDP price deflator expected to rise by 1.9% per year. Industrial output, as measured by the Federal Reserve Board's (FRB) index of industrial production, is expected to grow at 1.6% per year during the same period. Moody's projects employment growth to be flat during the forecast period and real regional income per-capita annual growth of 2.0% for the Kentucky Power service area.

2.2.2 Price Assumptions

The Company utilizes an internally developed service area electricity price forecast. This forecast incorporates information from the Company's financial plan for the near term and the U.S. Department of Energy (DOE) Energy Information Administration (EIA) outlook for the East North Central Census Region for the longer term. These price forecasts are incorporated into the Company's energy sales models, where appropriate.

2.2.3 Specific Large Customer Assumptions

Kentucky Power's customer service engineers are in frequent communication with industrial and commercial customers about their needs and activities. From these discussions, expected load additions or reductions are relayed to the Company.



2.2.4 Weather Assumptions

Where appropriate, the Company includes weather as an explanatory variable in its energy sales models. These models reflect historical weather for the model estimation period and normal weather for the forecast period.

2.2.5 Demand Side Management (DSM) Assumptions

The Company's long term load forecast models account for trends in EE both in the historical data as well as the forecasted trends in appliance saturations as the result of various legislated appliance efficiency standards (Energy Policy Act of 2005 [EPAct], Energy Independence and Security Act [EISA] of 2007, etc.) modeled by the EIA. The Company was directed by the Commission to suspend DSM activities until such time that the Company is either experiencing load growth or the Company has a capacity deficiency. The load forecast reflects no DSM activity and no adjustments have been made to the load forecast.

2.3 Overview of Forecast Methodology

Kentucky Power's load forecasts are based mostly on econometric, Statistically Adjusted End-use (SAE), and analyses of time-series data. This is helpful when analyzing future scenarios and developing confidence bands in addition to objective model verification by using standard statistical criteria.

Kentucky Power utilizes two sets of econometric models: 1) a set of monthly short-term models, which extends for approximately 24 months and 2) a set of monthly long-term models, which extends for approximately 30 years. The forecast methodology leverages the relative analytical strengths of both the short- and long-term methods to produce a reasonable and reliable forecast that is used for various planning purposes.

For the first full year of the forecast, the short-term models generally govern the forecast values. The short-term models are regression models with time series errors, which analyze the



latest sales and weather data to better capture the monthly variation in energy sales for short-term applications like capital budgeting and resource allocation. While these models produce extremely accurate forecasts in the short run, without logical ties to economic factors, they are less capable of capturing structural trends in electricity consumption that are more important for longer-term resource planning applications.

The long-term models are econometric, and SAE models, which are specifically equipped to account for structural changes in the economy as well as changes in customer consumption due to increased energy efficiency. The long-term forecast models incorporate regional economic forecast data for income, employment, households, output, and population.

The short-term and long-term forecasts are then blended to ensure a smooth transition from the short-term to the long-term forecast horizon for each major revenue class. There are some instances when the short-term and long-term forecasts diverge, especially when the long-term models are incorporating a structural shift in the underlying economy that is expected to occur within the first 24 months of the forecast horizon. In these instances, professional judgment is used to ensure that the final forecast that will be used in the peak models is reasonable. The class level sales are then summed and adjusted for losses to produce monthly net internal energy sales for the system. The demand forecast model utilizes a series of algorithms to allocate the monthly net internal energy to hourly demand. The inputs into forecasting hourly demand are internal energy, weather, 24-hour load profiles and calendar information.

A flow chart depicting the sequence of models used in projecting Kentucky Power's electric load requirements as well as the major inputs and assumptions that are used in the development of the load forecast is shown in Figure 2, below.

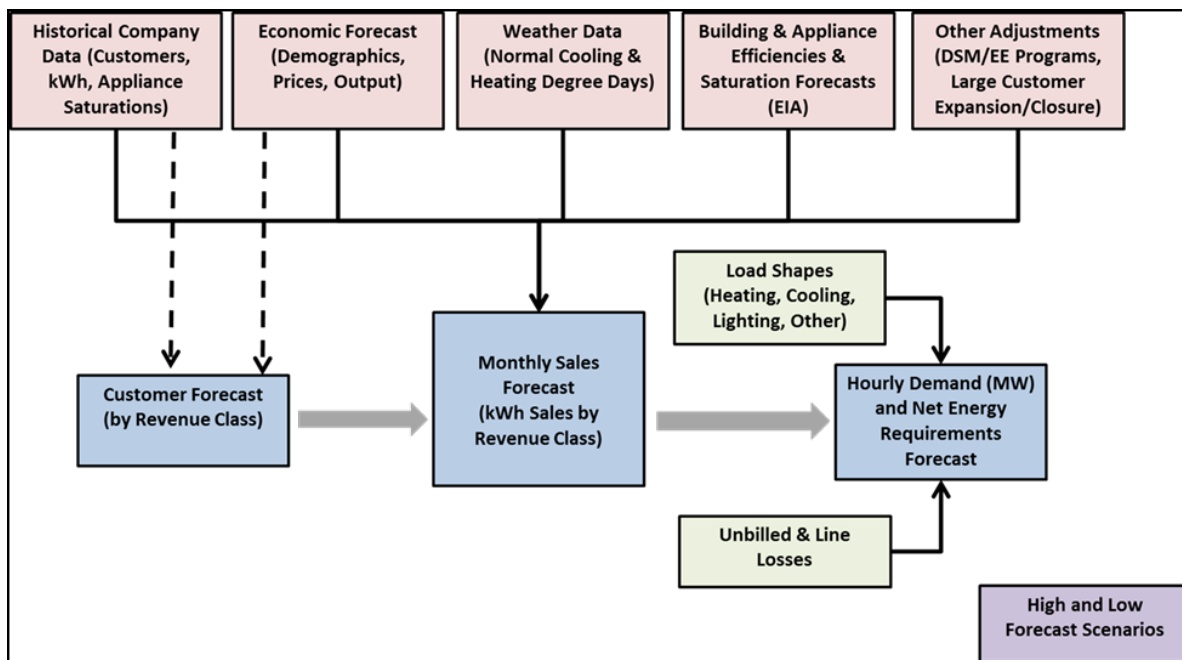


Figure 2. Kentucky Power Internal Energy Requirements and Peak Demand Forecasting Method

2.4 Detailed Explanation of Load Forecast

2.4.1 General

This section provides a more detailed description of the short-term and long-term models employed in producing the forecasts of Kentucky Power’s energy consumption, by customer class. Conceptually, the difference between short- and long-term energy consumption relates to changes in the stock of electricity-using equipment and economic influences, rather than the passage of time. In the short term, electric energy consumption is considered as a function of an essentially fixed stock of equipment. For residential and commercial customers, the most significant factor influencing the short term is weather. For industrial customers, economic forces that determine inventory levels and factory orders also influence short-term utilization rates. The short-term models recognize these relationships and use weather and recent load growth trends as the primary variables in forecasting monthly energy sales.



Over time, demographic and economic factors such as population, employment, income, and technology influence the nature of the stock of electricity-using equipment, both in size and composition. Long-term forecasting models recognize the importance of these variables and include all or most of them in the formulation of long-term energy forecasts.

Relative energy prices also have an impact on electricity consumption. One important difference between the short-term and long-term forecasting models is their treatment of energy prices, which are only included in long-term forecasts. This approach makes sense because although consumers may suffer sticker shock from energy price fluctuations, there is little they can do to affect them in the short-term. They already own a refrigerator, furnace or industrial equipment that may not be the most energy-efficient model available. In the long term, however, these constraints are lessened as durable equipment is replaced and as price expectations come to fully reflect price changes.

2.4.2 Customer Forecast Models

The Company also utilizes both short-term and long-term models to develop the final customer count forecast. The short-term customer forecast models are time series models with intervention (when needed) using Autoregressive Integrated Moving Average (ARIMA) methods of estimation. These models typically extend for 24 months into the forecast horizon.

The long-term residential customer forecasting models are also monthly but extend for 30 years. The explanatory jurisdictional economic and demographic variables include gross regional product, employment, mortgage rate, population, real personal income, employment and households are used in various combinations. In addition to the economic explanatory variables, the long-term customer models may employ a lagged dependent variable to capture the adjustment of customer growth to changes in the economy. There are also binary variables to capture monthly variations in customers, unusual data points and special occurrences.



The short-term and long-term customer forecasts are blended as was described earlier to arrive at the final customer forecast that will be used as a primary input into both short-term and long-term usage forecast models.

2.4.3 Short-term Forecasting Models

The goal of Kentucky Power's short-term forecasting models is to produce an accurate load forecast for the first full year into the future. To that end, the short-term forecasting models generally employ a combination of monthly and seasonal binaries, time trends, and monthly heating cooling degree-days in their formulation. The heating and cooling degree-days are measured at weather stations in the Company's service area. The forecasts relied on ARIMA models.

The estimation period for the short-term models was January 2009 through January 2019. There are models for residential, commercial, industrial, other retail, and wholesale sectors. The industrial models are comprised of 10 large industrial models and models for the remainder of the industrial sector. The wholesale forecast is developed using models for the cities of Vanceburg and Olive Hill.

Off-system sales and/or sales of opportunity are not relevant to the net energy requirements forecast as they are not requirements load or relevant to determining capacity and energy requirements in the IRP process.

2.4.4 Long-term Forecasting Models

The goal of the long-term forecasting models is to produce a reasonable load outlook for up to 30 years in the future. Given that goal, the long-term forecasting models employ a full range of structural economic and demographic variables, electricity and natural gas prices, weather as measured by annual heating and cooling degree-days, and binary variables to produce load



forecasts conditioned on the outlook for the U.S. economy, for the Kentucky Power service-area economy, and for relative energy prices.

Most of the explanatory variables enter the long-term forecasting models in a straightforward, untransformed manner. In the case of energy prices, however, it is assumed, consistent with economic theory, that the consumption of electricity responds to changes in the price of electricity or substitute fuels with a lag, rather than instantaneously. This lag occurs for reasons having to do with the technical feasibility of quickly changing the level of electricity use even after its relative price has changed, or with the widely accepted belief that consumers make their consumption decisions based on expected prices, which may be perceived as functions of both past and current prices.

There are several techniques, including the use of lagged price or a moving average of price that can be used to introduce the concept of lagged response to price change into an econometric model. Each of these techniques incorporates price information from previous periods to estimate demand in the current period.

The general estimation period for the long-term load forecasting models was 1995-2018. The long-term energy sales forecast is developed by blending of the short-term forecast with the long-term forecast. The energy sales forecast is developed by making a billed/unbilled adjustment to derive billed and accrued values, which are consistent with monthly generation.

2.4.4.1 Supporting Models

In order to produce forecasts of certain independent variables used in the internal energy requirements forecasting models, several supporting models are used, including natural gas price and coal production models for Kentucky Power's service areas. These models are discussed below.

2.4.4.1.1 Consumed Natural Gas Pricing Model



The forecast price of natural gas used in the Company's energy models comes from a model of natural gas prices for the state's three primary consuming sectors: residential, commercial, and industrial. In the state natural gas price models sectoral prices are related to East North Central Census region's sectoral prices, with the forecast being obtained from EIA's "2019 Annual Energy Outlook." The natural gas price model is based upon 1980-2018 historical data.

2.4.4.1.2 Regional Coal Production Model

A regional coal production forecast is used as an input in the mine power energy sales model. In the coal model, regional production depends on mainly Appalachian coal production, as well as on binary variables that reflect the impacts of special occurrences, such as strikes. In the development of the regional coal production forecast, projections of Central Appalachian and U.S. coal exports were obtained from EIA's "2018 Annual Energy Outlook." The estimation period for the model was 1998-2018.

Coal mining activity plays a significant role in the local economy of Kentucky Power's service territory. Figure 3 below provides coal production in Eastern Kentucky between 2000 and 2018. During this period coal production dropped from nearly 105 million tons to approximately 17.5 million tons or a decline of approximately 83%. However, the production levels have stabilized somewhat after reaching its low point in 2016 and rebounding some in 2017.

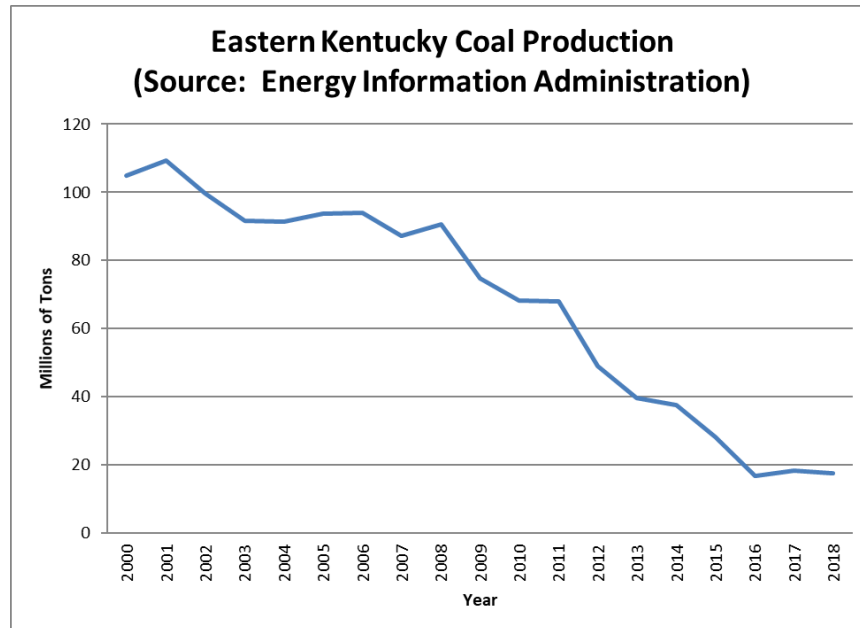


Figure 3. Eastern Kentucky Coal Production (Millions of Tons) 2000-2018

2.4.4.2 Residential Energy Sales

Residential energy sales for Kentucky Power are forecasted using two models, the first of which projects the number of residential customers, and the second of which projects kWh usage per customer. The residential energy sales forecast is calculated as the product of the corresponding customer and usage forecasts.

The residential usage model is estimated using an SAE model, which was developed by Iron, a consulting firm with expertise in energy modeling. This model assumes that use will fall into one of three categories: heat, cool, and other. The SAE model constructs variables to be used in an econometric equation where residential usage is a function of Xheat, Xcool, and Xother variables.

The Xheat variable is derived by multiplying a heating index variable by a heating use variable. The heating index incorporates information about heating equipment saturation; heating equipment efficiency standards and trends; and thermal integrity and size of homes. The heating



use variable is derived from information related to billing days, heating degree-days, household size, personal income, gas prices, and electricity prices.

The Xcool variable is derived by multiplying a cooling index variable by a cooling use variable. The cooling index incorporates information about cooling equipment saturation; cooling equipment efficiency standards and trends; and thermal integrity and size of homes. The cooling use variable is derived from information related to billing days, heating degree-days, household size, personal income, gas prices and electricity prices.

The Xother variable estimates the non-weather sensitive sales and is similar to the Xheat and Xcool variables. This variable incorporates information on appliance and equipment saturation levels; average number of days in the billing cycle each month; average household size; real personal income; gas prices and electricity prices.

The appliance saturations are based on historical trends from Kentucky Power's residential customer survey. The saturation forecasts are based on EIA forecasts and analysis by Itron. The efficiency trends are based on DOE forecasts and Itron analysis. The thermal integrity and size of homes are for the East North Central Census Region and are based on DOE and Itron data.

The number of billing days is from internal data. Economic and demographic forecasts are from Moody's Analytics and the electricity price forecast is developed internally.

The SAE residential models are estimated using linear regression models. These monthly models are typically for the period January 1995 through January 2019. It is important to note, as will be discussed later, that this modeling *has* incorporated the reductive effects of the EAct, EISA, American Recovery and Reinvestment Act of 2009 (ARRA) and Energy Improvement and Extension Act of 2008 (EIEA 2008) on the residential (and commercial) energy usage based on analysis by the EIA regarding appliance efficiency trends.

The long-term residential energy sales forecast is derived by multiplying the "blended" customer forecast by the usage forecast from the SAE model.



2.4.4.3 Commercial Energy Sales

Long-term commercial energy sales are forecast using SAE models. These models are similar to the residential SAE models. These models utilize efficiencies, square footage and equipment saturations for the East North Central Region, along with electric prices, economic drivers from Moody's Analytics, heating and cooling degree-days, and billing cycle days. As with the residential models, there are Xheat, Xcool, and Xother variables derived within the model framework. The commercial SAE models are estimated similarly to the residential SAE models.

2.4.4.4 Industrial Energy Sales

Based on the size and importance of the Mine Power sector to the overall Kentucky Power Industrial base as well as the unique outlook for the mining sector in the long-run, the Company models Mine Power sales separately from the rest of the Industrial manufacturing sales in the long-term forecast models.

2.4.4.4.1 Manufacturing Energy Sales

The Company uses some combination of the following economic and pricing explanatory variables: service area gross regional product manufacturing, and service area industrial electricity prices. In addition, binary variables for months are special occurrences and are incorporated into the models. Based on information from customer service engineers there may be load added or subtracted from the model results to reflect plant openings, closures or load adjustments. The last actual data point for the manufacturing energy sales models is January 2019.

2.4.4.4.2 Mine Power Energy Sales

For its mine power energy sales models, the Company uses some combination of the following economic and pricing explanatory variables: regional coal production, and service area mine power electricity prices. In addition, binary variables for months are special occurrences and are incorporated into the models. Based on information from customer service engineers there may



be load added or subtracted from the model results to reflect mine openings, closures or load adjustments. The last actual data point for the mine power energy sales models is January 2019.

2.4.4.5 All Other Energy Sales

The forecast of public-street and highway lighting relates energy sales to service area employment and binary variables.

Wholesale energy sales are modeled relating energy sales to economic variables such as service area employment, service area population, energy prices, heating and cooling degree-days, and binary variables.

2.4.5 Internal Energy Forecast

2.4.5.1 Blending Short and Long-Term Sales

Forecast values for 2019 and 2020 are taken from the short-term process. Forecast values for 2021 are obtained by blending the results from the short-term and long-term models. The blending process combines the results of the short-term and long-term models by assigning weights to each result and systematically changing the weights so that by July 2021 the entire forecast is from the long-term models. The goal of the blending process is to leverage the relative strengths of the short-term and long-term models to produce the most reliable forecast possible. However, at times the short-term models may not capture structural changes in the economy as well as the long-term models, which may result in the long-term forecast being used for the entire forecast horizon.

2.4.5.2 Losses and Unaccounted-For Energy

Energy is lost in the transmission and distribution of the product. This loss of energy from the source of production to consumption at the premise is measured as the average ratio of all Federal Energy Regulatory Commission (FERC) revenue class energy sales measured at the



premise meter to the net internal energy requirements metered at the source. In modeling, Company loss study results are applied to the final blended sales forecast by revenue class and summed to arrive at the final internal energy requirements forecast.

2.4.6 Forecast Methodology for Seasonal Peak Internal Demand

The demand forecast model is a series of algorithms for allocating the monthly internal energy sales forecast to hourly demands. The inputs into forecasting hourly demand are blended revenue class sales, energy loss multipliers, weather, 24-hour load profiles and calendar information.

The weather profiles are developed from representative weather stations in the service area. Twelve monthly profiles of average daily temperature that best represent the cooling and heating degree-days of the specific geography are taken from the last 30 years of historical values. The consistency of these profiles ensures the appropriate diversity of the Company loads.

The 24-hour load profiles are developed from historical hourly Company or jurisdictional load and end-use or revenue class hourly load profiles. The load profiles were developed from segregating, indexing and averaging hourly profiles by season, day types (weekend, midweek and Monday/Friday) and average daily temperature ranges.

In the end, the profiles are benchmarked to the aggregate energy and seasonal peaks through the adjustments to the hourly load duration curves of the annual 8,760 hourly values. These 8,760 hourly values per year are the forecast load of Kentucky Power and the individual companies of American Electric Power (AEP) that can be aggregated by hour to represent load across the spectrum from end-use or revenue classes to total AEP-East, AEP-West, or total AEP System. Net internal energy requirements are the sum of these hourly values to a total company energy need basis. Company peak demand is the maximum of the hourly values from a stated period (month, season or year).



2.5 Load Forecast Results and Issues

All tables referenced in this section can be found in Exhibit C of the appendix to this report.

2.5.1 Load Forecast

Exhibit C-1 presents Kentucky Power's annual internal energy requirements, disaggregated by major category (residential, commercial, industrial, other internal sales and losses) on an actual basis for the years 2014-2018 and on a forecast basis for the years 2020-2034. Data for 2019 are nine months actual and three months forecast. The exhibit also shows annual growth rates for both the historical and forecast periods. A further breakdown of forecast by sector and losses is provided in Exhibits C-2A and C-2B. Monthly forecasts of Kentucky Power energy by sector and demand for 2020 and 2021 are provided on Exhibits C-3 and C-4, respectively.

Figure 4 below provides a graphical depiction of weather normal and forecast Company residential, commercial and industrial sales for 2002 through 2034.

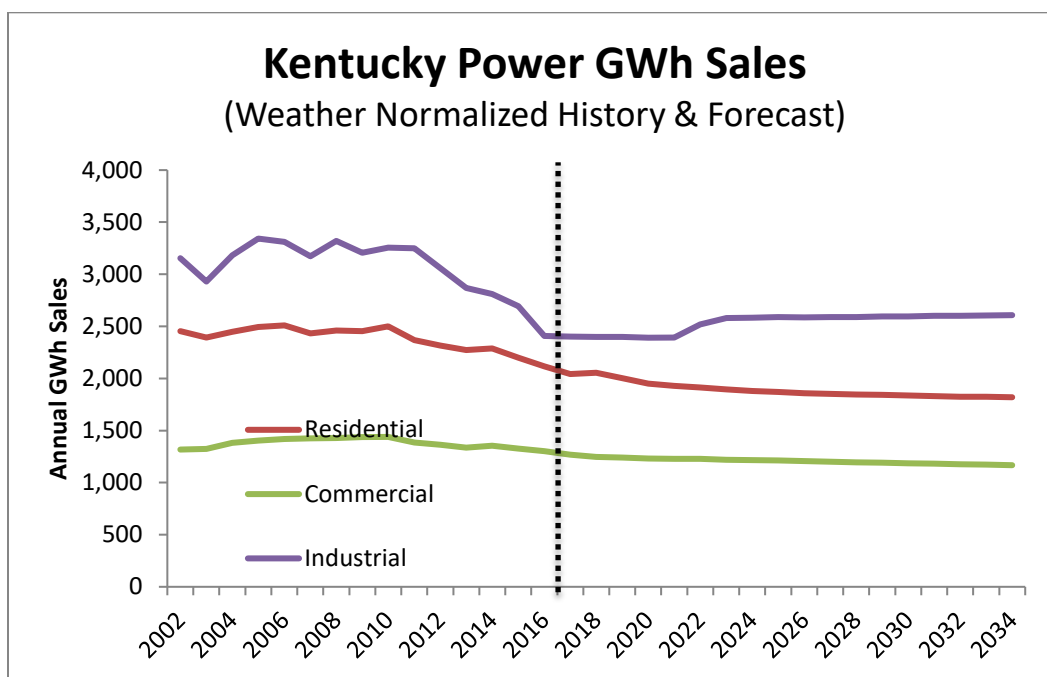


Figure 4. Kentucky Power GWh Sales

2.5.2 Peak Demand and Load Factor

Exhibit C-5 provides Kentucky Power’s seasonal peak demands, annual peak demand, internal energy requirements and annual load factor on an actual basis for the years 2014-2018 and on a forecast basis for the years 2020-2034. Data for 2019 are nine months actual and three months forecast. The table also shows annual growth rates for both the historical and forecast periods.

Figure 5 presents actual, weather normal and forecast Kentucky Power annual peak demand for the period 2002 through 2034.

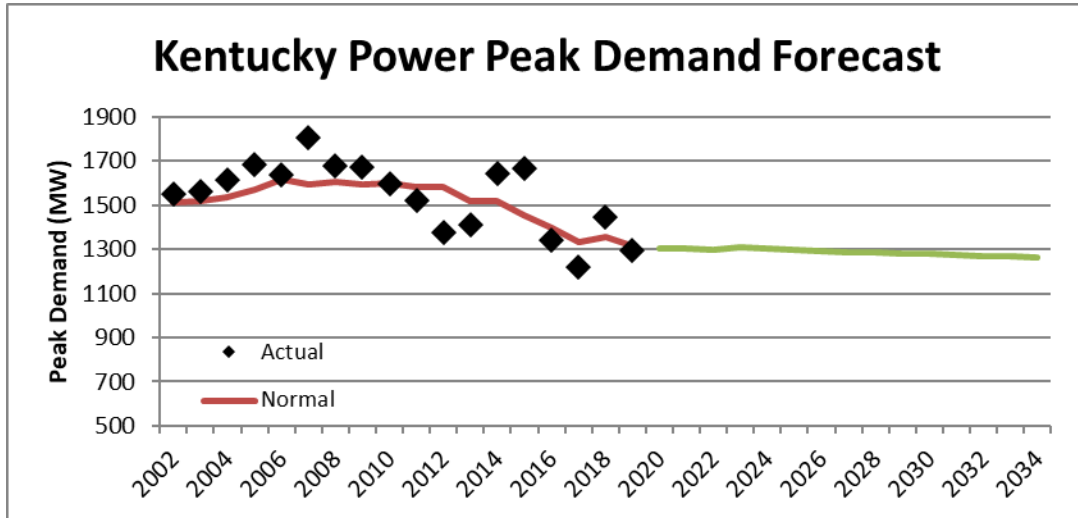


Figure 5. Kentucky Power Peak Demand Forecast

2.5.3 Weather Normalization

The load forecast presented in this Report assumes normal weather. To the extent that weather is included as an explanatory variable in various short- and long-term models, the weather drivers are assumed to be normal for the forecast period.

2.6 Load Forecast Trends & Issues

2.6.1 Changing Usage Patterns

Over the past decade, there has been a significant change in the trend for electricity usage from prior decades. Figure 6, below, presents Kentucky Power’s historical and forecasted residential and commercial usage per customer between 1991 and 2025. During the first decade shown (1991-2000), residential usage per customer grew at an average rate of 1.4% per year, while the commercial usage grew by 0.2% per year. Over the next decade (2001-2010), growth in residential usage was at 0.7% per year while the commercial class usage decreased by 0.2% per year. In the last decade shown (2011-2020) residential usage is projected to decline at a rate of



1.3% per year while the commercial usage decreases by an average of 1.2% per year. This decline is expected to moderate for the last five years shown (2021-2025), with residential usage declining at a rate of 0.2% per year while commercial usage falls by 0.4% annually.

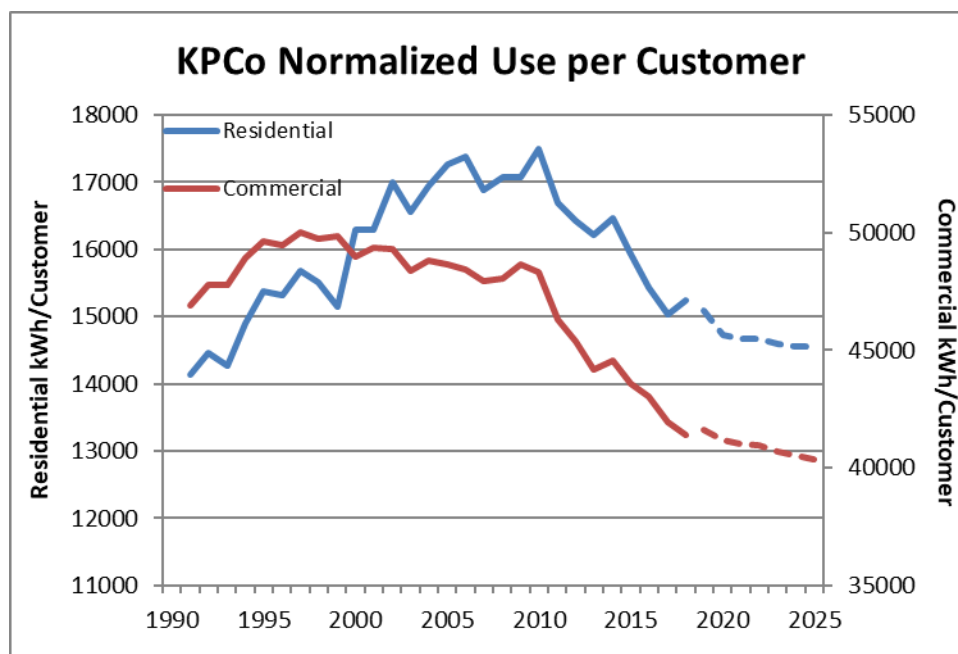


Figure 6. Kentucky Power Normalized Use per Customer (kWh)

The SAE models are designed to account for changes in the saturations and efficiencies of the various end-use appliances. Every 3-4 years, the Company conducts a Residential Appliance Saturation Survey to monitor the saturation and age of the various appliances in the residential home. This information is then matched up with the saturation and efficiency projections from the EIA, which includes the projected impacts from various enacted federal policies mentioned earlier.

The result of this is a base load forecast that already includes some significant reductions in usage as a result of projected EE. For example, Figure 7 below shows the assumed cooling efficiencies embedded in the SAE models for cooling loads. It shows that the average Seasonal Energy Efficiency Ratio (SEER) for central air conditioning is projected to increase from 11.5 in



2010 to 13.6 by 2030. The chart shows a similar trend in projected cooling efficiencies for heat pump cooling as well as room air conditioning units.

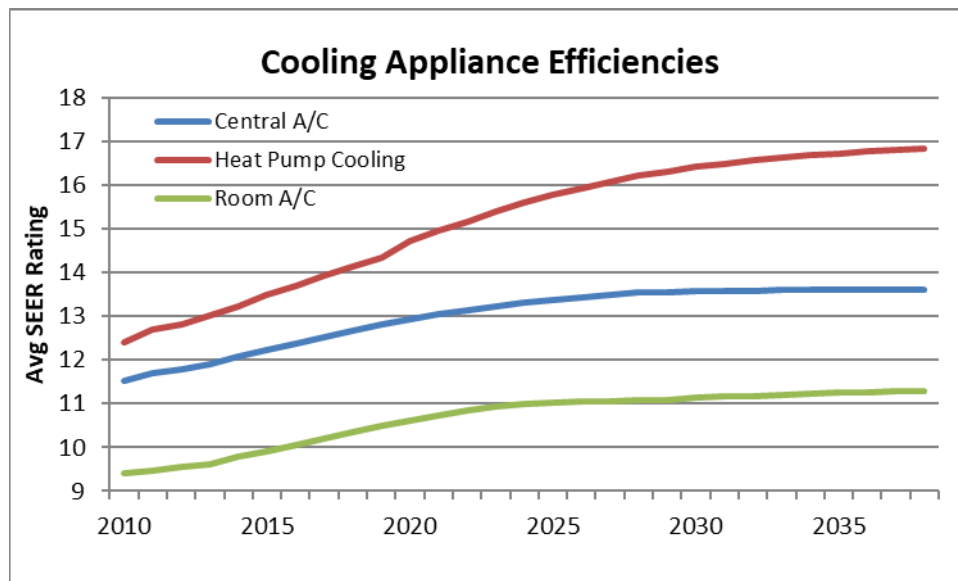


Figure 7. Projected Changes in Cooling Efficiencies, 2010-2030

Figure 8 below shows the impact of appliance, equipment and lighting efficiencies on the Company’s weather normalized residential usage per customer. This graph provides weather normalized residential energy per customer and an estimate of the effects of efficiencies on usage. In addition, historical and forecast Kentucky Power residential customers are provided.

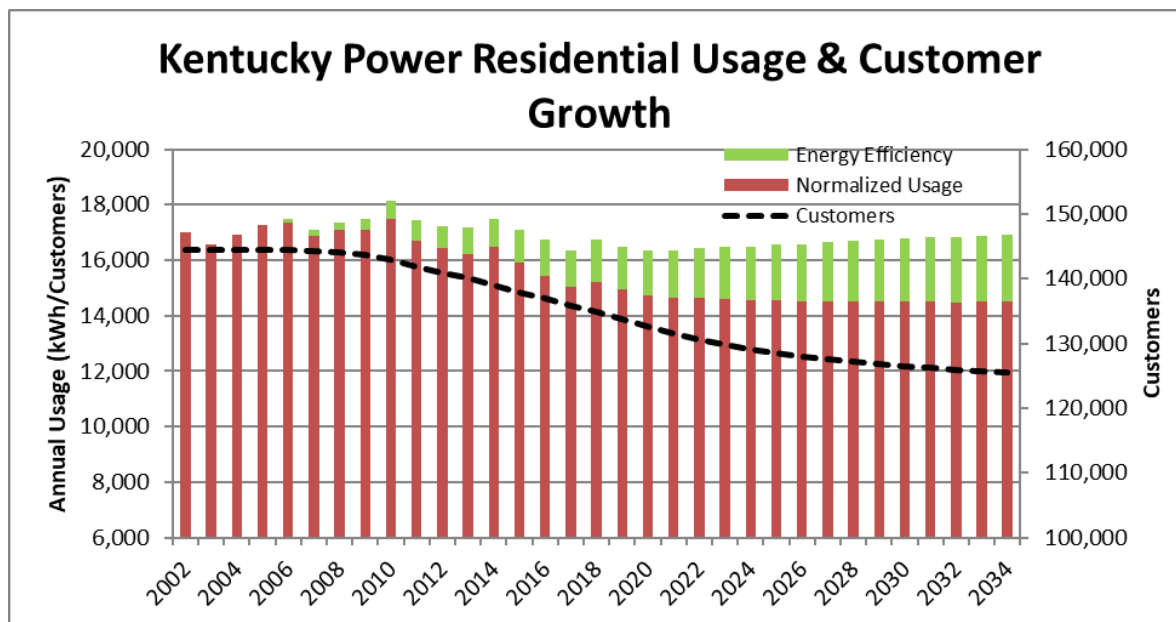


Figure 8. Residential Usage and Customer Growth, 2002-2034

2.6.2 Demand-Side Management (DSM) Impacts on the Load Forecast

The end-use load forecasting models account for changing trends and saturations of energy efficient technologies throughout the forecast horizon. Historically, DSM and EE programs have further accelerated the adoption of energy efficiency technology. Going forward DSM and EE programs have been paused while the Company load is not growing and the Company is not capacity deficient.

For the near term horizon (through 2021), the load forecast uses assumptions from the Commission’s directive regarding DSM programs. The Company’s load forecast does not reflect any on-going adjustments for DSM.

Exhibit C-6 provides the DSM/EE impacts incorporated in Kentucky Power’s load forecast provided in this Report. For this load forecast, there was no DSM/EE included. Annual energy and seasonal peak demand impacts are provided for the Company.



2.6.3 Interruptible Load

The Company has two customers with approximately 5.6 MW available for interruption in emergency situations in Demand Response (DR) agreements. The load forecast does not reflect any load reductions for these customers. Rather, the interruptible load is seen as a resource when the Company's load is peaking. As such, estimates for DR impacts are reflected by Kentucky Power in determination of PJM-required resource adequacy (*i.e.*, Kentucky Power's projected capacity position). Further discussion of the determination of DR is included in Section 3.4.2.

2.6.4 Blended Load Forecast

As noted above, at times the short-term models may not capture structural changes in the economy as well as the long-term models, which may result in the long-term forecast being used for the entire forecast horizon. Exhibit C-7 provides an indication of which retail energy and customer models are blended and which strictly use the long-term model results. In addition, all of the wholesale forecasts utilize the long-term model results.

In general, forecast values for the year 2020 were typically taken from the short-term process. Forecast values for 2021 are obtained by blending the results from the short-term and long-term models. The blending process combines the results of the short-term and long-term models by assigning weights to each result and systematically changing the weights so that by the end of 2021 the entire forecast is from the long-term models. This blending allows for a smooth transition between the two separate processes, minimizing the impact of any differences in the results. Figure 9 illustrates a hypothetical example of the blending process (details of this illustration are shown in Exhibit C-8). However, in the final review of the blended forecast, there may be instances where the short-term and long-term forecasts diverge especially when the long-term forecast incorporates a structural shift in the economy that is not included in the short-term models. In these instances, professional judgment is used to develop the most reasonable forecast.

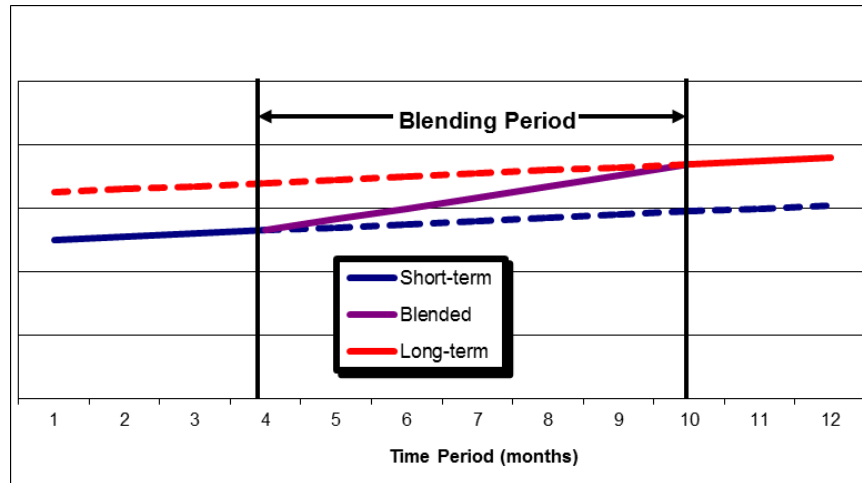


Figure 9. Load Forecast Blending Illustration

2.6.5 Large Customer Changes

The Company’s customer service engineers are in continual contact with the Company’s large commercial and industrial customers about their needs for electric service. These customers will relay information about load additions and reductions. This information will be compared with the load forecast to determine if the industrial or commercial models are adequately reflecting these changes. If the changes are different from the model results, then additional factors may be used to reflect those large changes that differ from the forecast models’ output.

2.6.6 Wholesale Customer Contracts

Company representatives are in continual contact with wholesale customer representatives about their contractual needs.

2.7 Load Forecast Scenarios

The base case load forecast is the expected path for load growth that the Company uses for planning. There are a number of known and unknown potentials that could drive load growth different from the base case. While potential scenarios could be quantified at varying levels of



assumptions and preciseness, the Company has chosen to frame the possible outcomes around the base case as a reasonable balance of likely outcomes. The Company recognizes the potential desire for a more exact quantification of certain outcomes, but the reality is if all possible outcomes were known with a degree of certainty, then they would become part of the base case.

Forecast sensitivity scenarios have been established which are tied to respective high and low economic growth cases. The high and low economic growth scenarios are consistent with scenarios laid out in the EIA's 2019 Annual Outlook. While other factors may affect load growth, this analysis only considered high and low economic growth. The economy is seen as a crucial factor affecting future load growth.

The low-case, base-case and high-case forecasts of summer and winter peak demands and total internal energy requirements for Kentucky Power are tabulated in Exhibit C-9.

For Kentucky Power, the low-case and high-case energy and peak demand forecasts for the last forecast year, 2034, represent deviations of about 9.1% below and 7.4% above, respectively, the base-case forecast.

During the load forecasting process, the Company developed various other scenarios. Figure 10 provides a graphical depiction of the scenarios developed in conjunction with the load provided in this report.

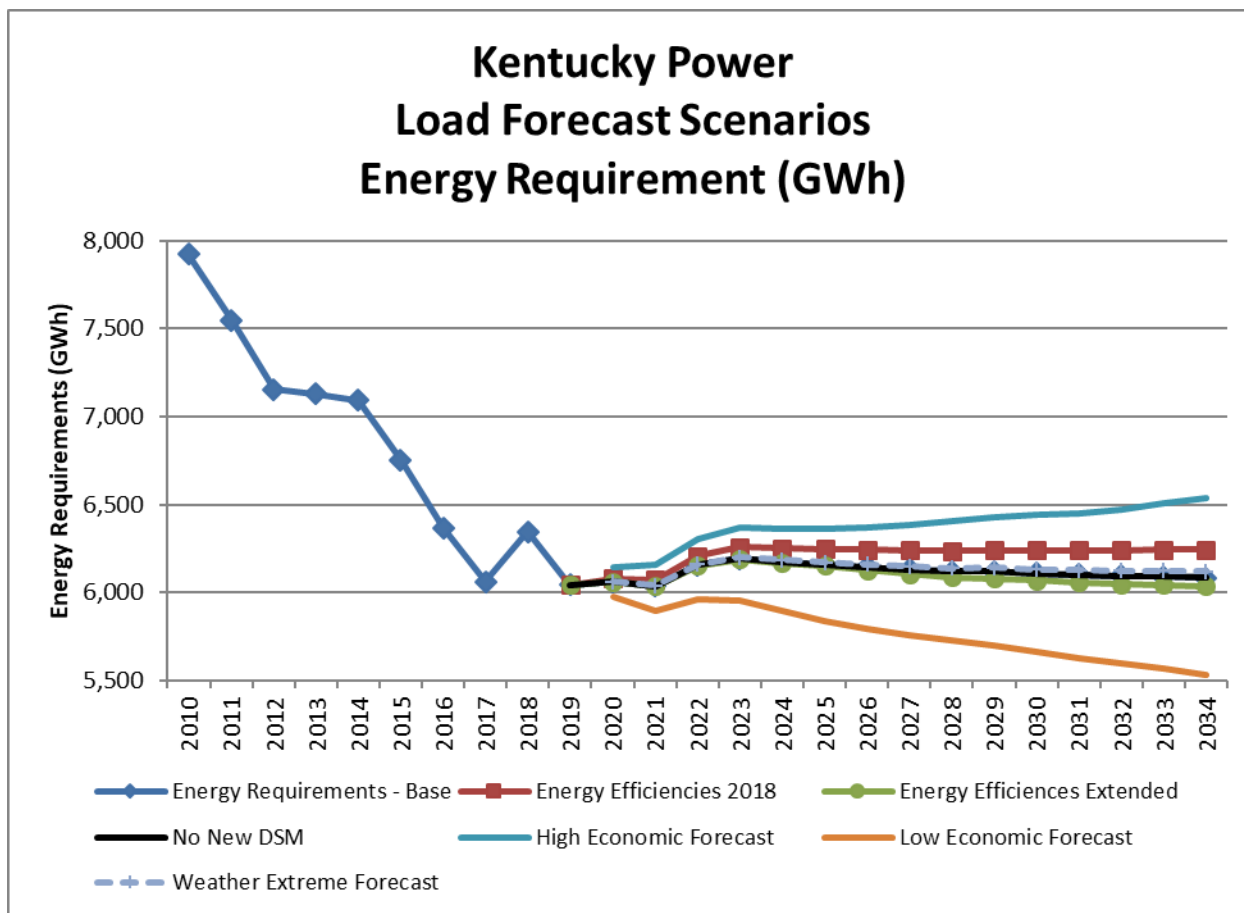


Figure 10. Load Forecast Scenarios

The no new DSM scenario is the same as the base load forecast as no new DSM was reflected in the load forecast. The energy efficiencies 2019 scenario keeps energy efficiencies at 2019 levels for the residential and commercial equipment. The energy efficiencies scenarios result in a load forecast greater than the base forecast.

The energy efficiencies extended scenario has energy efficiencies developing at a faster pace than is represented in the base forecast. This scenario is based on analysis developed by the Energy Information Administration. This forecast is lower than the base forecast due to enhanced energy efficiency for residential and commercial equipment.



The weather extreme forecast assumes increased average daily temperatures for both the winter and summer seasons, which results in diminished heating degree-days in the winter and increased cooling degree-days in the summer. This analysis is based on a potential impact of climate change developed by Purdue University⁵. This scenario results in increased load in the summer and diminished load in the winter, with the net result being a higher energy requirements forecast. Exhibit C-10 provides graphical displays of the range of forecasts of summer and winter peak demand for Kentucky Power along with the impacts of the weather scenario for each season.

All of these alternative scenarios fall within the boundary of the Company's high and low economic scenario forecasts. The Company's expectations are that any reasonable scenario developed will fall within this range of forecasts.

2.8 Energy-Price Relationships

In every load forecast, Kentucky Power Company takes electricity price and the effects of its changes into consideration. This is true for the forecast included in this IRP. The following provides a discussion of the impacts of prices on electricity sales and how price is accounted for in the load forecast.

An understanding of the relationship between energy prices and energy consumption is fundamental to developing a forecast of electricity consumption. In theory, the effect of a change in the price of a good on the consumption of that good can be disaggregated into two effects, the "income" effect and the "substitution" effect. The income effect refers to the change in consumption of a good attributable to the change in real income incident to the change in the price of that good. For most goods, a decline in real income would induce a decline in consumption. The substitution effect refers to the change in the consumption of a good associated with the change in

⁵ <https://docs.lib.purdue.edu/cgi/viewcontent.cgi?article=1000&context=climatetr>



the price of that good relative to the prices of all other goods. The substitution effect is assumed to be negative in all cases; that is, a rise in the price of a good relative to other substitute goods would induce a decline in consumption of the original good. Thus, if the price of electricity were to rise, the consumption of electricity would fall, all other things being equal. Part of the decline would be attributable to the income effect; consumers must make decisions on how to allocate their budget to purchase electricity services and other goods and services after the price of electricity rises. Part would be attributable to the substitution effect; consumers would substitute relatively cheaper fuels for electricity once its price had risen.

The magnitude of the effect of price changes on consumption differs over different time horizons. In the short-term, the effect of a rise in the price of electricity is severely constrained by the ability of consumers to substitute other fuels or to incorporate more electricity-efficient technology. The fact that the Company's short-term energy consumption models do not include price as an explanatory variable is a reflection of the belief that this constraint is severe.

In the long-term, however, the constraints on substitution are lessened for a number of reasons. First, durable equipment stocks begin to reflect changes in relative energy prices by favoring the equipment using the fuel that was expected to be cheaper. Second, heightened consumer interest in saving electricity, backed by willingness to pay for more efficiency, spurs development of conservation technology. Third, existing technology, too expensive to implement commercially at previous levels of energy prices, becomes feasible at the new, higher energy prices; and fourth, normal turnover of electricity-using equipment contributes to a higher average level of energy efficiency.

For these reasons, energy price changes are expected to have an effect on long-term energy consumption levels. As a reflection of this belief, most of the Company's long-term forecasting models, including the residential, commercial, manufacturing and mine power energy sales models, incorporate the price of electricity as an explanatory variable. The residential SAE Model uses price in development of explanatory variables. There are a variety of short- and long-run



elasticities utilized in this analysis. In addition to electricity prices, the residential SAE model utilizes the price of natural gas as associated cross-price elasticities. Likewise, the commercial SAE model incorporates electricity price and an associated price elasticity to develop explanatory variables. Manufacturing and mine power have price as an explanatory variable. In these cases, the coefficient of the price variable provides a quantitative measure of the sensitivity of the forecast value to a change in price.

2.9 Significant Changes from Previous Forecast

2.9.1 Energy Forecast

During the three years since the last filing with the Commission, Kentucky Power's service area economy continues to be sluggish and therefore the load forecast for Kentucky Power reflects a modest outlook.

Exhibit C-11 provides a tabular comparison of the 2016 and 2019 forecasts of total internal energy requirements for the forecast horizon provided in the 2016 IRP. Exhibit C-12 shows the comparison for Kentucky Power in graphical form. As these exhibits indicate, Kentucky Power's 2019 energy forecast is lower than the 2016 forecast in terms of magnitude (162 GWh, or 2.4%, lower for year 2031) and long-term average annual growth rate is slightly higher in 2019 IRP (0.1% vs. -0.1%).

An examination of the sectoral changes in the Kentucky Power forecast may provide a better understanding of the changes in the aggregate forecast. The forecasted levels of the sectoral components for the year 2031 did not change uniformly with the 2.4% decrease in the forecast of total energy requirements. Specifically, the residential, commercial and other internal energy sales forecasts were decreased by 8.0%, 7.2%, and 6.1%, respectively. Meanwhile, industrial energy sales and losses forecasts were increased by 2.9% and 6.7%, respectively.



Factors contributing to the decrease in the residential and commercial energy sales forecasts include impacts of a sluggish economy, deteriorating residential customer base, a re-evaluation of expected long-term trends in residential and commercial consumption patterns in light of what has been experienced historically. The changed assumptions reflect the effect of updated information obtained or developed since the 2016 forecast, along with changing perceptions of the future.

For the industrial sector, the increase reflects more recent trends that have evolved since the 2016 forecast and the anticipated effects of large customer additions associated with economic development activities. In addition, the coal industry has stabilized somewhat in recent years, but it continues to face downward pressures that have negatively affected the forecast.

2.9.2 Peak Internal Demand Forecast

Exhibit C-13 provides a tabular comparison of the 2016 and 2019 forecasts of the winter and summer peak internal demand for both. This exhibit indicates that for the winter of 2031/32, Kentucky Power's 2019 peak demand forecast is 3.3% lower than the 2016 forecast. Likewise, the Company's 2019 peak demand forecast for summer 2031 is 2.4% lower than 2016 forecast. These decreases reflect the change in the forecast for total energy requirements and an evaluation of the weather normal peak experience.

2.9.3 Forecasting Methodology

Opportunities to enhance forecasting methods are explored by Kentucky Power on a continuing basis. The Company evaluates each sector for changing growth patterns and determines the factors that may be the underlying causes for such changes. For example, the Company continues to evaluate the erosion of the customer base for residential and commercial customers and the effects of equipment and lighting efficiencies on consumption.



2.10 Additional Load Information

Additional information provided for the purposes of this report includes the following:

Exhibit C-14: Kentucky Power, Average Annual Number of Customers by Class, 2014-2018.

Exhibits C-15 and C-16: Kentucky Power, Annual Internal Load by Class (GWh), 2014-2018.

Exhibits C-17 and C-18: Kentucky Power Recorded and Weather-Normalized Peak Internal Load (MW) and Energy Requirements (GWh), 2014-2018. In addition, Normalized Annual Internal Sales by Class (GWh), 2014-2018 are provided.

Exhibit C-19: Kentucky Power, Profiles of Monthly Peak Internal Demands, 2013, 2018 (Actual), 2028 and 2033.

The historical profiles presented in Exhibit C-19 have not been adjusted to reflect normal weather patterns and, therefore, may vary to some degree from the forecast patterns projected for 2028 and 2033. These patterns also reflect the expectation that Kentucky Power will continue to experience its annual peak demand in the winter season.

Currently, the Company has two customers with interruptible provisions in their contracts.

The Company conducted its most recent residential customer survey in the fall of 2018. The results of the survey were utilized in the development of the Company's residential forecast. As in the past, this survey provides information on appliance saturations, along with other useful information to better understand the residential load.

2.11 Data-Base Sources

Sources from within the Company that were used in developing the Company's load forecasts are as follows:

1. Sales for Resale Reports (Form ST-18);
2. daily, monthly and annual System Operation Department reports;



3. monthly financial reports;
4. monthly kWh and revenue SIC reports; and
5. residential tariff schedules and fuel clause summaries for all operating companies.

The data sources from outside the Company are varied and include state and federal agencies, as well as Moody's Analytics. Exhibit C-20 identifies the data series and associated sources, along with notes on adjustments made to the data before incorporation into the load forecasting models.

2.12 Other Topics

2.12.1 Residential Energy Sales Forecast Performance

Exhibit C-21 provides a comparison of actual vs. the 2016 forecast of Kentucky Power's residential energy sales for the years 2016-2018. The gap between actual and forecast residential energy sales varied from year-to-year over the three-year period. It should be noted that 2016 data in the 2016 IRP were nine months actual and three months forecast. During this period the number of residential customers declined. Another factor affecting sales is the impact of more stringent efficiency standards being mandated by Congress. Both of these factors will continue to have major influences on residential energy sales over the forecast period.

2.12.2 Peak Demand Forecast Performance

Exhibit C-22 provides a comparison of actual vs. the 2016 forecast of Kentucky Power's seasonal internal peak demands for 2016-2018. The exhibit also compares the calculated weather-normalized demands with the forecast values, thus indicating the extent to which weather affected actual demands.

There have been many changes in the local service territory over the three years since the 2016 forecast was filed. For, example the residential customer base has eroded, there have been additional energy legislation enacted and the commercial and industrial sectors experienced load



decreases between 2016 and 2018. Items, such as these, have contributed to a diminished outlook for peak demand growth. In addition, recent trends in normalized demand growth are evaluated when developing the forecast.

2.12.3 Forecast Data and Model Results

Exhibits G, H and I of the appendix provide input data, model statistics and model results for the short- and long-term energy and peak demand models for the Company.

2.12.4 Forecast Updates

Each year the Company provides updates to the load forecast in response to requests related to Administrative Case 387.

2.12.5 KPSC Staff Recommendations Addressed

On April 5, 2018, the Staff issued its Report on Kentucky Power's 2016 Integrated Resource Plan and recommended that the Company address certain items in its next IRP report (this report). The following items pertaining to load forecasting are restated from the Staff report and addressed below:

- 1. Provide a comparison of forecasted winter and summer peak demands with actual results for the period following Kentucky Power's 2016 IRP, along with a discussion of the reasons for the differences between forecasted and actual peak demands.**

See Section 2.12.2, where this issue has been addressed.

- 2. Provide a comparison of the annual forecast of residential energy sales, using the current econometric models, with actual results for the period following the 2016 IRP. Include a discussion of the reasons for the differences between forecasted and actual results.**

See Section 2.12.1, where this issue has been addressed.



3. More closely examine the reasonableness of the coal mining sector forecast and make necessary adjustments to reflect Kentucky Power’s territorial circumstances.

The Company has closely monitored coal-mining activities in its service area and has attempted to develop a reasonable outlook over the forecast horizon. This analysis includes being apprised of load additions or reductions by the Company’s customer service representatives and EIA forecasts for coal production. Taking several factors into consideration, the Company lowered its coal production forecast for Eastern Kentucky by 38% in the target year 2031 from the forecast provided in the 2016 IRP. The lowered coal production forecast is reflected in the mine power energy sales forecast, which was reduced by 32% from the 2016 IRP. These new forecasts do reflect the coal mining activity stabilizing somewhat in recent years.

4. Provide and update on Kentucky Power’s economic development efforts including the impact on its load and employment in its service territory

It is well documented that the Company’s service area faces many negative economic pressures. The sluggish economy and significant coal mining activity reduction, has contributed to the Kentucky Power service area seeing an 8% reduction in population since 2000. In comparison, the Commonwealth of Kentucky, which has a much stronger economy, experienced a nearly 11% population increase over the same period. A more vibrant economy in the Company’s service area will help stem the tide of declining population and its associated negative impacts. Company-sponsored economic development activities will contribute to strengthening the local economy. These impacts will not only be the effect of the direct employment of workers by these new activities, but it will also include the effects of items purchased from local suppliers and income to the workers in these industries.

The IMPLAN input-output model provides a method to estimate the direct, indirect and induced impacts as the result of a new project in the service area. The direct impacts represents the impacts associated with a firm for either an expansion or a new facility. The indirect impacts are



representative of purchases from local suppliers as a result of the new activity. The induced impacts estimates the impacts of spending activities of the employees of direct and indirect firms. Since 2016, the Company's economic development team has identified 23 projects that they have played a significant role in either a new firm entering the local economy or an existing firm expanding its operations. When these projects become operational they are expected create or support 1,707 new direct jobs. After evaluating these projects with the IMPLAN model, the Company estimates that these jobs will create or support nearly 3,600 jobs, which reflects the direct, indirect and induced effects. These companies are expected to make significant investments for new facilities and it is estimated that these activities will create or support approximately 4,700 short-term jobs in aggregate.

These 23 projects will also increase load needs from the Company. If these projects develop as anticipated, they are projected to need 125 MW of demand and 324 GWh of energy, when fully operational.



3.0 Resource Evaluation

3.1 Current Supply-Side Resources

An initial step in the IRP process is the demonstration of the capacity resource requirements. This “needs” assessment must consider projections of:

- Existing capacity resources—current levels and anticipated changes;
- anticipated changes in capability due to efficiency and/or environmental considerations;
- changes resulting from decisions surrounding unit disposition evaluations;
- regional and sub-regional capacity and transmission constraints/limitations;
- load and peak demand;
- current DR/EE; and
- PJM capacity reserve margin and reliability criteria.

3.2 Existing Kentucky Power Generating Resources

The underlying minimum reserve margin criterion to be utilized in the determination of Kentucky Power’s capacity needs is based on the current PJM Installed Reserve Margin (IRM) of 15.9% for the 2020/2021 PJM planning year, and decreases to 15.7% in 2022/2023 for the remainder of the planning period, which ends with the 2034/2035.⁶ The ultimate reserve margin is determined from the PJM Forecast Pool Requirement (FPR), which considers the IRM and PJM’s Pool-Wide Average Equivalent Demand Forced Outage Rate (EFOR_D).⁷ The PJM FPR is 8.9%

⁶ Per Section 2.1.1 of PJM Manual 18: PJM Capacity Market (Effective: July 27, 2017). PJM Planning Parameters are updated each year prior to the upcoming Base Residual Auction. These values can be obtained from <http://pjm.com/markets-and-operations/rpm.aspx>. This IRP uses the PJM Planning Parameters published on October 26, 2015, which reflect PJM’s Capacity Performance proposal as currently interpreted by Kentucky Power.

⁷ Per Section 2.1.4 of PJM Manual 18: PJM Capacity Market (Effective: July 27, 2017).

$FPR = (1 + IRM) * (1 - EFOR_D)$. Reserve Margin = $FPR - 1$.



for the 2020/2021 PJM planning year, and decreases to 8.87% in 2022/2023 for the remainder of the planning period.

The current PJM rule requires future capacity auctions to transition from current capacity products to 100% Capacity Performance products by June 1, 2020. Kentucky Power resources under the Fixed Resource Requirement (FRR) alternative will begin to transition to the capacity performance rules starting in the 2019/20 planning year. Capacity Performance resources will be held to stricter requirements than current capacity resources and will be assessed substantial charges if power is not provided during emergency “performance assessment” intervals.

Table 3 below, displays key parameters for the supply-side generation resources currently utilized by Kentucky Power. These supply-side resources have remained consistent since the Company’s 2016 IRP.

Table 3. Kentucky Power Existing Supply-Side Resources

Plant	Unit	Location	Fuel	In-Service Year	PJM ICAP Rating (MW) ^A
Big Sandy	1	Louisa, KY	Natural Gas	1963 ^B	280
Mitchell	1	Moundsville, WV	Coal	1971	385 ^C
	2		Coal	1971	395 ^C
Rockport	1	Rockport, IN	Coal	1984	197 ^D
	2		Coal	1989	195 ^D

^A ICAP = Installed Capacity,

^B Big Sandy Unit 1 was converted from coal to natural gas in 2016

^C Represents KPCo’s 50% Ownership Stake in Mitchell Units 1 and 2

^D Represents KPCo’s 15% purchased share of the output of Rockport Units 1 and 2 under the Unit Power Agreement

Figure 11 below illustrates Kentucky Power’s “Going-In” capacity position with respect to the Company’s obligation. The “Going-In” position represents how Kentucky Power’s existing and planned capacity resources would compare with the capacity requirements absent of any incremental changes. Kentucky Power’s capacity obligation is determined using the PJM capacity obligation attributed to Kentucky Power’s zone in PJM up through 2022. After 2022, PJM does not offer a projection of capacity requirements for the Regional Transmission Organization (RTO).



Beginning in 2023, Kentucky Power’s capacity obligation is based upon the Company’s own internal forecast of demand at the projected time of PJM’s annual peak.

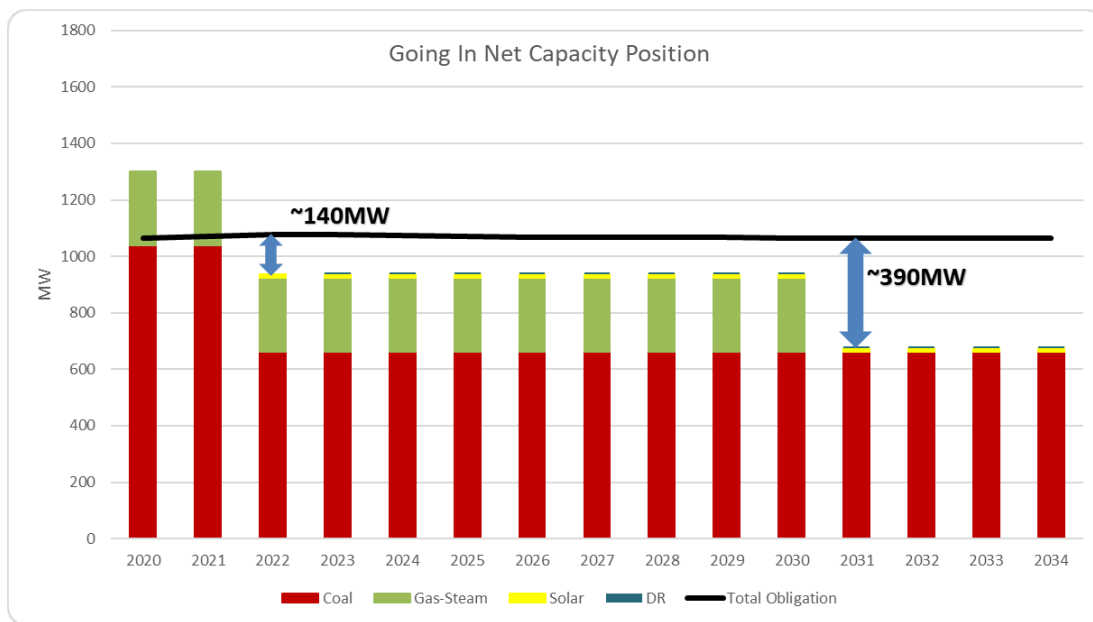


Figure 11. Kentucky Power "Going-In" Capacity Position throughout Planning Period (2020-2034)

Currently, Kentucky Power supply-side resources consist of fossil-fuel fired generation. This includes capacity from the Rockport Plant UPA for 393 MW that expires at the end of 2022. For the purposes of this IRP, Kentucky Power assumes the UPA will not be renewed.

For the purposes of this IRP, it is assumed that following the expiration of the UPA in December 2022, Kentucky Power will work with other AEP operating companies in the PCA to meet its obligations through the end of May 2023. For the PJM Planning Year beginning June 1, 2023, Kentucky Power will arrange to meet its capacity obligations through the bilateral market or other means yet to be determined. Kentucky Power is currently negotiating the addition of 20 MW of solar generation. Currently, this resource is planned to be on-line by the end of 2021 and its impact is reflected in this IRP analysis and is included in Figure 11.

Details on potential additional future renewable resources included in the *Plexos*[®] model are discussed in Section 4.5.5.



3.3 Environmental Issues and Implications

It should be noted that the following discussion of environmental regulations is based on the requirements currently in effect and those compliance options viewed as most likely to be implemented by the Company and incorporated into its analysis within this IRP. Activity including but not limited to Presidential Executive Orders, litigation, petitions for review, and Federal Environmental Protection Agency (EPA) proposals may delay the implementation of these rules, or alter the requirements set forth by these regulations. While such activities have the potential to materially change the compliance options available to the Company in the future, all potential outcomes cannot be reasonably foreseen or estimated and the assumptions made within the IRP represent the Company's best estimation of outcomes as of the filing date. The Company is committed to closely following developments related to environmental regulations, and will update its analysis of compliance options and timelines when sufficient information becomes available to make such judgments.

3.3.1 Clean Air Act (CAA) Requirements

The Clean Air Act (CAA) establishes a comprehensive program to protect and improve the nation's air quality and control sources of air emissions. The states implement and administer many of these programs and could impose additional or more stringent requirements. The primary regulatory programs that continue to drive investments in AEP's existing generating units include: (a) periodic revisions to National Ambient Air Quality Standards (NAAQS) and the development of State Implementation Plans (SIPs) to achieve any more stringent standards, (b) implementation of the regional haze program by the states and the Federal EPA, (c) regulation of hazardous air pollutant emissions under the Mercury and Air Toxics Standard (MATS) rule, (d) implementation and review of Cross-State Air Pollution Rule (CSAPR), a FIP designed to eliminate significant contributions from sources in upwind states to non-attainment or maintenance areas in downwind



states and (e) the Federal EPA’s regulation of greenhouse gas emissions from fossil fueled electric generating units under Section 111 of the CAA.

Notable developments in significant CAA regulatory requirements affecting the Company’s operations are discussed in the following sections.

3.3.2 National Ambient Air Quality Standards (NAAQS)

The Federal EPA issued new, more stringent NAAQS for PM in 2012 and ozone in 2015; the existing standards for NO₂ and SO₂ were retained after review by the Federal EPA in 2018 and 2019, respectively. Implementation of these standards is underway.

In 2016, the Federal EPA completed an integrated review plan for the 2012 PM standard. Work is currently underway on scientific, risk and policy assessments necessary to develop a proposed rule, which is anticipated in 2021.

The Federal EPA finalized non-attainment designations for the 2015 ozone standard in 2018. The Federal EPA confirmed that the CSAPR program satisfied all interstate transport obligations associated with the 2008 ozone standard, but that finding was reversed by the U.S. Court of Appeals for the D.C. Circuit. That court also remanded the 2015 secondary ozone standard and is reviewing Federal EPA’s 2018 rule governing implementation of the 2015 ozone standard.

3.3.3 Cross-State Air Pollution Rule (CSAPR)

In 2011, the Federal EPA issued CSAPR as a replacement for the Clean Air Interstate Rule, a regional trading program designed to address interstate transport of emissions that contributed significantly to downwind non-attainment with the 1997 ozone and PM NAAQS. CSAPR relies on SO₂ and NO_x allowances and individual state budgets to compel further emission reductions from electric utility generating units. Interstate trading of allowances is allowed on a restricted sub-regional basis.



Petitions to review the CSAPR were filed in the U.S. Court of Appeals for the District of Columbia Circuit. In 2015, the court found that the Federal EPA over-controlled the SO₂ and/or NO_x budgets of 14 states. The court remanded the rule to the Federal EPA for revision consistent with the court's opinion while CSAPR remained in place.

In 2016, the Federal EPA issued a final rule, the CSAPR Update, to address the remand and to incorporate additional changes necessary to address the 2008 ozone standard. The CSAPR Update significantly reduced ozone season budgets in many states, including Indiana, Kentucky, and West Virginia, and discounted the value of banked CSAPR ozone season allowances beginning with the 2017 ozone season. The rule has been challenged in the courts and petitions for administrative reconsideration have been filed. In 2019, the U.S. Court of Appeals for the District of Columbia Circuit (D.C. Circuit) remanded the CSAPR Update to the Federal EPA because it determined the Federal EPA had not properly considered the attainment dates for downwind areas in establishing its partial remedy, and should have considered whether there were available measures to control emissions from sources other than generating units.

Collectively, the installed SCR and FGD systems' respective emission reductions of NO_x and SO₂, the use of allocated NO_x and SO₂ emission allowances in conjunction with adjusted banked allowances, and the purchase of additional allowances as needed through the open market position Kentucky Power well moving forward for compliance with CSAPR.

3.3.4 Mercury and Other Hazardous Air Pollutants (HAPs) Regulation

In 2012, the Federal EPA issued a rule addressing a broad range of HAPs from coal and oil-fired power plants. The rule established unit-specific emission rates for units burning coal on a 30-day rolling average basis for mercury, PM (as a surrogate for particles of non-mercury metals) and hydrogen chloride (as a surrogate for acid gases). In addition, the rule proposed work practice standards, such as boiler tune-ups, for controlling emissions of organic HAPs and dioxin/furans. Compliance was required within three years. Management obtained administrative extensions for



up to one year at several units to facilitate the installation of controls or to avoid a serious reliability problem.

In 2014, the U.S. Court of Appeals for the District of Columbia Circuit denied all of the petitions for review of the 2012 final rule. Industry trade groups and several states filed petitions for further review in the U.S. Supreme Court.

In 2015, the U.S. Supreme Court reversed the decision of the U.S. Court of Appeals for the District of Columbia Circuit. The court remanded the MATS rule to the Federal EPA to consider costs in determining whether to regulate emissions of HAPs from power plants. In 2016, the Federal EPA issued a supplemental finding concluding that, after considering the costs of compliance, it was appropriate and necessary to regulate HAP emissions from coal and oil-fired units. Petitions for review of the Federal EPA's determination were filed in the U.S. Court of Appeals for the District of Columbia Circuit. In 2018, the Federal EPA released a revised finding that the costs of reducing HAP emissions to the level in the current rule exceed the benefits of those HAP emission reductions. The Federal EPA also determined that there are no significant changes in control technologies and the remaining risks associated with HAP emissions do not justify any more stringent standards. Therefore, the Federal EPA proposed to retain the current MATS standards without change. A final rule has not yet been issued.

Kentucky Power's currently active supercritical coal-fired units (Mitchell Units 1 and 2) are able to meet the MATS Rule requirements as a result of previously installed control equipment including Selective Catalytic Reduction (SCR) for mitigation of nitrogen oxide (NO_x) emissions and FGD systems for mitigation of SO₂ emissions, which together achieve a co-benefit removal of mercury as well. While Kentucky Power's formerly active supercritical unit (Big Sandy Unit 2) could not meet all of the MATS requirements with its configuration and was retired as of June 1, 2015, the Company's subcritical Big Sandy Unit 1 was refueled to a natural gas-fired unit and is no longer regulated under the MATS Rule. Indiana Michigan Power's (I&M) Rockport Plant, for which Kentucky Power receives 15% of the Plant's output, recently had its Activated Carbon



Injection (ACI) system upgraded, including a switch to brominated activated carbon, in conjunction with the installation of Dry Sorbent Injection (DSI) control technology for the purposes of meeting the MATS Rule. As a result of these upgrades, the Rockport Plant is able to meet the MATS Rule requirements.

3.3.5 Climate Change, CO₂ Regulation, and Energy Policy

In 2015, the Federal EPA published the final CO₂ emissions standards for new, modified and reconstructed fossil fuel-fired steam generating units and combustion turbines, and final guidelines for the development of state plans to regulate CO₂ emissions from existing sources, known as the Clean Power Plan (CPP).

The final rules were challenged in the courts. In 2016, the U.S. Supreme Court issued a stay on the final CPP, including all of the deadlines for submission of initial or final state plans, until a final decision is issued by the U.S. Court of Appeals for the District of Columbia Circuit and the U.S. Supreme Court considers any petition for review. In 2017, the President issued an Executive Order directing the Federal EPA to reconsider the CPP and the associated standards for new sources. The Federal EPA filed a motion to hold the challenges to the CPP in abeyance, and issued a final rule repealing the CPP in 2019. The cases were then dismissed.

In 2019, the Federal EPA finalized the Affordable Clean Energy (ACE) rule replacing the CPP with new emission guidelines for regulating CO₂ from existing sources. The ACE Rule requires states to evaluate the applicability and effect of implementing specific heat rate improvement measures at coal-fired generating units, and to develop a standard of performance for each affected unit within their jurisdiction. State plans are due in July 2022. In 2018, the Federal EPA filed a proposed rule revising the standards for new sources and determined that partial carbon capture and storage is not the best system of emission reduction because it is not available throughout the U.S. and is not cost-effective.



Kentucky Power continues to analyze the available information and engage with the states and other stakeholders in an effort to understand the available program design options and their potential impacts on its operations.

3.3.6 Coal Combustion Residual (CCR) Rule

In 2015, the Federal EPA published a final rule to regulate the disposal and beneficial re-use of coal combustion residuals (CCR), including fly ash and bottom ash generated at coal-fired electric generating units and FGD gypsum generated at some coal-fired plants. The rule applies to new and existing CCR landfills and CCR surface impoundments at operating electric utility or independent power production facilities. The rule imposes construction and operating obligations, including location restrictions, liner criteria, structural integrity requirements for impoundments, operating criteria and additional groundwater monitoring requirements to be implemented on a schedule spanning an approximate four-year implementation period.

The final 2015 rule was challenged in the courts. In 2018, the U.S. Court of Appeals for the District of Columbia Circuit issued its decision vacating and remanding certain provisions of the 2015 rule. Remaining issues were dismissed. The provisions addressed by the court's decision, including changes to the provisions for unlined impoundments and legacy sites, will be the subject of further rulemaking consistent with the court's decision. Further rulemaking is anticipated near the end of 2019 or early 2020.

Prior to the court's decision, the Federal EPA issued a final rule in July 2018 that modifies certain compliance deadlines and other requirements in the rule. In December 2018, challengers filed a motion for partial stay or vacatur of the July 2018 rule. On the same day, the Federal EPA filed a motion for partial remand of the July 2018 rule. The court granted Federal EPA's motion, and further rulemaking to address the court's decisions is expected to be completed near the end of 2019 or early 2020.



The Company is conducting the necessary site-specific analyses to determine whether any modifications or other changes to Kentucky Power’s existing facilities are required by the CCR Rule. Kentucky Power’s Mitchell Plant and I&M’s Rockport Plant are equipped with dry fly ash handling systems and dry ash landfills to meet current permit requirements, and these in-place controls position the plants well for future compliance with the CCR rulemaking. The Rockport Plant’s east bottom ash pond will stop receiving waste by October 31, 2020, and initiate closure to comply with the CCR Rule’s requirements. The plant will continue operation of the generating units by making minor changes to its operating practices.

Other utilities and industrial sources have been engaged in litigation with environmental advocacy groups who claim that releases of contaminants from wells, CCR units, pipelines and other facilities to ground waters that have a hydrologic connection to a surface water body represent an “unpermitted discharge” under the Clean Water Act (CWA). Two cases have been accepted by the U.S. Supreme Court for further review of the scope of CWA jurisdiction. The Federal EPA opened a rulemaking docket to solicit information to determine whether it should provide additional clarification of the scope of CWA permitting requirements for discharges to ground water. On April 23, 2019, Federal EPA issued an “Interpretative Statement” considering comments received in the rulemaking docket and determined that “releases to groundwater are excluded from the scope of the National Pollutant Discharge Elimination System (NPDES) program, even where pollutants are conveyed to jurisdictional surface waters via groundwater.”

3.3.7 Clean Water Act Regulations

In 2014, the Federal EPA issued a final rule setting forth standards for existing power plants that is intended to reduce mortality of aquatic organisms pinned against a plant’s cooling water intake screen (impingement) or entrained in the cooling water. The rule was upheld on review by the U.S. Court of Appeals for the Second Circuit. Compliance timeframes are established by the



permit agency through each facility’s National Pollutant Discharge Elimination System permit as those permits are renewed.

Facilities with existing closed cycle recirculating cooling systems, such as Kentucky Power’s Mitchell Plant and Big Sandy Plant as well as I&M’s Rockport Plant, may not be required to make any technology changes. In 2015, the Indiana Department of Environmental Management made a determination for Rockport Plant that no cooling water intake technology changes are required. If additional capital investment is required at Mitchell or Big Sandy Plants, the magnitude is expected to be relatively small compared to the investment that could be needed if the plants were not equipped with cooling towers. Given Kentucky Power’s active units are equipped with natural draft (hyperbolic) cooling towers, and these units withdraw less than 125 million gallons of water per day, the anticipated impact of the 316(b) rule is assumed to be limited to the installation of flow monitoring equipment.

In 2015, the Federal EPA issued a final rule revising effluent limitation guidelines for electricity generating facilities. The rule established limits on FGD wastewater, fly ash and bottom ash transport water and flue gas mercury control wastewater to be imposed as soon as possible after November 2018 and no later than December 2023. These requirements would be implemented through each facility’s wastewater discharge permit. The rule was challenged in the U.S. Court of Appeals for the Fifth Circuit. In 2017, the Federal EPA announced its intent to reconsider and potentially revise the standards for FGD wastewater and bottom ash transport water. The Federal EPA postponed the compliance deadlines for those wastewater categories to be no earlier than 2020, to allow for reconsideration. A revised rule could be proposed later in 2019. In April 2019, the Fifth Circuit vacated the standards for landfill leachate and legacy wastewater, and remanded them to the Federal EPA for reconsideration.

The Company’s current assessment is that the existing dry fly ash handling system and dry ash landfill, along with the existing wastewater treatment plant for FGD blowdown, may mitigate the impact of the final ELG Rule on Kentucky Power’s Mitchell Plant’s compliance costs.



Similarly, the Rockport Plant’s existing dry fly ash handling system and dry ash landfill may mitigate the impact of the ELG Rule on that plant. Modifications to the bottom ash handling systems at both plants may be needed. Kentucky Power may also need to address any new requirements the Federal EPA develops to address the provisions of these rules remanded by the courts.

In 2015, the Federal EPA and the U.S. Army Corps of Engineers jointly issued a final rule to clarify the scope of the regulatory definition of “waters of the United States” in light of recent U.S. Supreme Court cases. In December 2018, the Federal EPA and the U.S. Army Corps of Engineers released a proposed rule revising the definition, which would replace the definition in the 2015 rule and could significantly alter the scope of certain CWA programs. In September 2019, the Federal EPA announced the final repeal of the 2015 definition of “waters of the United States” and recodification of the regulatory definition that was in place prior to the 2015 rule.

3.3.8 New Source Consent Decree

In December 2007, AEP companies entered into a settlement of outstanding litigation (Consent Decree) concerning New Source Review compliance. Pursuant to the terms of the settlement, AEP has completed environmental retrofit projects on its Eastern units, is operating the units under a declining cap on total SO₂ and NO_x emissions, and will install additional control technologies at certain units. For Kentucky Power, the most significant control projects under the Consent Decree involved either retrofitting Big Sandy Unit 2 with a FGD or retiring or repowering the unit by December 31, 2015. Additionally, under the Consent Decree the Rockport Plant was bound to retrofit SCR and FGD technology on Unit 1 and 2 by December 31, 2017 and December 31, 2019, respectively. In compliance with the Consent Decree and in conjunction with the MATS Rule, Big Sandy Unit 2 was retired on June 1, 2015.

There have been five modifications to the 2007 Consent Decree, two of which are relevant to Kentucky Power. On May 13, 2013, the Third Joint Modification submitted by AEP, along with



the DOJ, EPA, and other parties, was approved by the United States District Court for the Southern District of Ohio, Eastern Division. The Third Joint Modification deferred the installation of higher efficiency FGD technology on Units 1 and 2 until December 31, 2025, and December 31, 2028, respectively. In the interim, the Rockport Units were required to install DSI control technology by April 16, 2015.

In 2019, the parties to the Consent Decree entered into a Fifth Joint Modification. This modification removes the requirements to install the specifically defined FGD controls at both Rockport Units, and instead requires installation of Enhanced DSI systems in 2020 at a much lower cost. The Fifth Modification contains plant-wide 30-day rolling average emission limitations for SO₂ and NO_x emissions at Rockport beginning in 2021. Rockport Unit 1 will retire at the end of 2028, and the SO₂ emissions cap at the Rockport Plant will decline to 5,000 tons per year. Rockport Unit 2 has no further obligations to install additional controls after 2020. The AEP System caps for SO₂ and NO_x will decrease to 89,000 tons per year and 44,000 tons per year, respectively, by 2029. On July 18, 2019, the Fifth Joint Modification of Consent Decree was approved by the United States District Court for the Southern District of Ohio.

3.4 Current Demand-Side Programs

DSM refers to, for the purposes of this IRP, utility programs, including tariffs, which encourage reduced energy consumption, either at times of peak consumption or throughout the day/year. Programs or tariffs that reduce consumption at the peak are DR programs, while around-the-clock measures are typically categorized as EE programs. The distinction between DR and EE is important, as the solutions for accomplishing each objective are typically different, but not necessarily mutually exclusive.

There are no demand or energy impacts associated with Kentucky Power's EE programs included in the load forecast discussed in Section 2.0 of this Report. The existing DR programs are discussed in Section 3.4.2.1. As will be discussed later, within the IRP process, the potential



for additional or “incremental” demand-side resources, including EE and DR activity as well as other grid related projects such as VVO are modeled on the same economic basis as supply-side resources. However, because customer-based EE programs are limited by factors such as customer acceptance and saturation, an estimate as to their costs, timing and maximum impacts must be formulated.

3.4.1 Impacts of Existing and Future Codes and Standards

The EISA requires, among other things, a phase-in of heightened lighting efficiency standards, appliance standards, and building codes. The increased standards will have a pronounced effect on energy consumption. Many of the standards already in place impact lighting. For instance, beginning in 2013 and 2014, common residential incandescent lighting options have begun their phase out as have common commercial lighting fixtures. Given that “lighting” options have comprised a large portion of utility-sponsored EE programs over the past decade, this pre-established transition is already incorporated into the SAE long-term load forecast modeling previously described in Section 2.4.4 and may greatly affect the market potential of utility EE programs in the near and intermediate term. Table 4 and Table 5 depict the current schedule for the implementation of new EISA codes and standards.

Table 4. Forecasted View of Relevant Residential Energy Efficiency Code Improvements

Technology	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Central AC	SEER 13; SEER 14 in South										
Room AC	EER 11.0										
Heat Pump	SEER 14.0/HSPF 8.0										
Water Heater (<=55 gallons)	EF 0.95										
Water Heater (>55 gallons)	Heat Pump Water Heater										
Screw-in/Pin Lamps	Advanced Incandescent (20 lumens/watt)					Advanced Incandescent (45 lumens/watt)					
Linear Fluorescent	T8 (89 lumens/watt)			T8 (92.5 lumens/watt)							
Refrigerator	25% more efficient										
Freezer	25% more efficient										
Clothes Washer	1.29 IMEF top loader			1.57 IMEF top loader							
Clothes Dryer	3.73 Combined EF										
Furnace Fans	Conventional				40% more efficient						



Table 5. Forecasted View of Relevant Non-Residential Energy Efficiency Code Improvements

Technology	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Chillers	2007 ASHRAE 90.1										
Roof Top Units	EER 11.0/11.2										
PTAC	EER 11.7			EER 11.9							
Heat Pump	EER 11.0/COP 3.3										
PTHP	EER 11.9/COP 3.3										
Ventilation	Constant Air Volume/Variable Air Volume										
Screw-in/Pin Lamps	Advanced Incandescent (20					Advanced Incandescent (45 lumens/watt)					
Linear Fluorescent	T8 (89 lumens/watt)				T8 (92.5 lumens/watt)						
High Intensity Discharge	EPACT 2005			Metal Halide Ballast Improvement							
Water Heater	EF 0.97										
Walk-in Refrigerator/Freezer	EISA 2007			10-38% more efficient							
Reach-in Refrigerator/Freezer	EPACT 2005			40% more efficient							
Glass Door Display	EPACT 2005			12-28% more efficient							
Open Display Case	EPACT 2005			10-20% more efficient							
Ice maker	EPACT 2005				15% more efficient						
Pre-rinse Spray Valve	1.6 GPM				1.0 GPM						
Motors	EISA 2007			Expanded EISA 2007							

The impact of total EE, including codes and standards, is expected to reduce retail load by 5%, as shown in Figure 12.

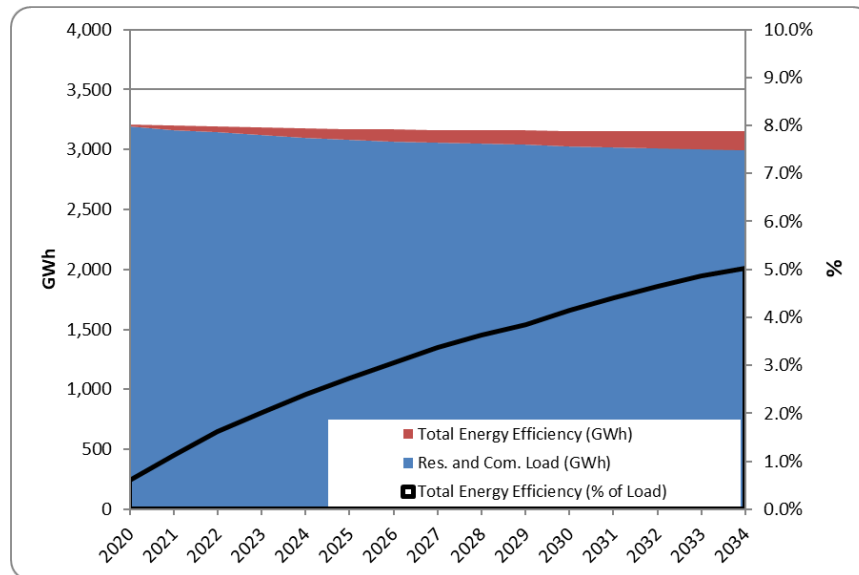


Figure 12. Total Energy Efficiency (GWh) Compared with Total Residential and Commercial Load (GWh)



3.4.2 Demand Response (DR)

Peak demand, measured in MW, can be thought of as the amount of power used at the time of maximum customer usage. Kentucky Power’s maximum (system peak) demand is likely to occur on the coldest winter weekday of the year, in the morning. This happens as a result of the near-simultaneous use of electric heating by the majority of customers, as well as the normal use of other appliances and, commercial equipment, and (industrial) machinery. At other times during the day, and throughout the year, the use of power is less. In the context of capacity planning for PJM, it is the consumption of energy coincident with PJM’s five highest summer peaks.

As peak demand grows with the economy and population, new capacity must ultimately be built. To defer construction of new capacity resources, the amount of power consumed at the peak can be reduced. This can be addressed several ways via both “active” and “passive” measures:

- *Interruptible loads (Active DR)*. This refers to a contractual agreement between the utility and a large consumer of power, typically an industrial customer. In return for reduced rates, an industrial customer allows the utility to “interrupt” or reduce power consumption during peak periods, freeing up that capacity for use by other consumers.
- *Direct load control (Active DR)*. Very much like an (industrial) interruptible load, but accomplished with many more, smaller, individual loads. Commercial and residential customers, in exchange for monthly credits or payments, allow the energy manager to deactivate or cycle discrete appliances, typically air conditioners, hot water heaters, lighting banks, or pool pumps during periods of peak demand. These power interruptions can be accomplished through radio signals that activate switches or through a digital “smart” meter that allows activation of thermostats and other control devices.
- *Time-differentiated rates (Active DR)*. This offers customers different rates for power at different times during the year and even the day. During periods of peak demand, power would be relatively more expensive, encouraging conservation. Rates can be split into as few as two rates (peak and off-peak) to as often as 15-minute increments in what is known as “real-time pricing.” Accomplishing real-time pricing requires digital (smart) metering.



- *EE measures (Passive DR)*. If the appliances that are in use during peak periods use less energy to accomplish the same task, peak energy requirements will likewise be less.
- *Voltage Regulation (Passive DR)*. Certain technologies can be deployed that allow for improved monitoring of voltage throughout the distribution system. The ability to deliver electricity at design voltages improves the efficiency of many end use devices, resulting in less energy consumption.

What may not be apparent is that, with the exception of EE and voltage regulation measures, the remaining DR programs do not significantly reduce the amount of energy consumed by customers. Less energy may be consumed at the time of peak load, but that energy will be consumed at some point during the day. For example, if rates encourage customers to avoid running their clothes dryer at 4:00 P.M. they will run it at some other point in the day. This is often referred to as load shifting. Load shifting may reduce usage during the system peak, but ultimately, the same, or similar, amount of energy will be used at a different time unless that consumption can be avoided through some type of end-use direct load control or pricing strategy.

3.4.2.1 Existing Levels of Active Demand Response (DR)

Kentucky Power currently has active DR capability totaling 5.6 MW of peak DR Capability. This is achieved through demand response agreements with 2 customers.

3.4.3 Energy Efficiency (EE)

EE measures reduce bills and save money for customers billed on a per kilowatt-hour usage basis. The trade-off is the up-front investment in a building/appliance/equipment modification, upgrade, or new technology. If consumers conclude that the new technology is a viable substitute and will pay them back in the form of reduced bills over an acceptable period, they will adopt it.

EE measures most commonly include efficient lighting, weatherization, efficient pumps and motors, efficient Heating, Ventilation and Air Conditioning (HVAC) infrastructure, and



efficient appliances. Often, multiple measures are bundled into a single program that might be offered to either residential or commercial/industrial customers.

EE measures will reduce the amount of energy consumed but may have limited effectiveness at the time of peak demand. EE is viewed as a readily deployable, relatively low cost, and clean energy resource that provides many benefits. However, market barriers to EE may exist for the potential participant. To overcome many of the participant barriers noted above, a portfolio of EE programs may often include several of the following elements:

- Consumer education
- Technical training
- Energy audits
- Rebates and discounts for efficient appliances, equipment and buildings

The level of incentives (rebates or discounts) offered to participants is a major determinant in the pace of EE measure adoption.

Additionally, the speed with which programs can be rolled out also varies with the jurisdictional differences in stakeholder and regulatory review processes. The lead time can easily exceed a year for getting programs implemented or modified. This IRP begins adding new EE resources in 2022. As discussed in Section 2, Kentucky Power's load forecast for this IRP does not include any Company sponsored EE programs.

3.4.4 Distributed Generation (DG)

DG typically refers to small-scale customer-sited generation behind the customer meter. Common examples are Combined Heat and Power (CHP), residential and small commercial solar applications, and even wind. Currently, these sources represent a small component of demand-side resources, even with available federal tax credits and tariffs favorable to such applications.



The economics of DG, particularly solar, continue to improve. Figure 13, charts the fairly rapid decline of expected installed solar costs, based on a combination of AEP market intelligence and the Bloomberg New Energy Finance’s (BNEF) U.S. Renewable Energy Market Outlook forecast.

Prior to 2022, during the ITC phase out for residential systems, costs for residential customers are expected to decline rapidly. This decline, which is forecasted to bring residential costs down to commercial cost levels, is attributed to a shift from value-based pricing to cost-plus-margin pricing. Installers are expected to spend less on customer acquisition and less on customer specific solutions as they aim for the lowest cost installations possible.

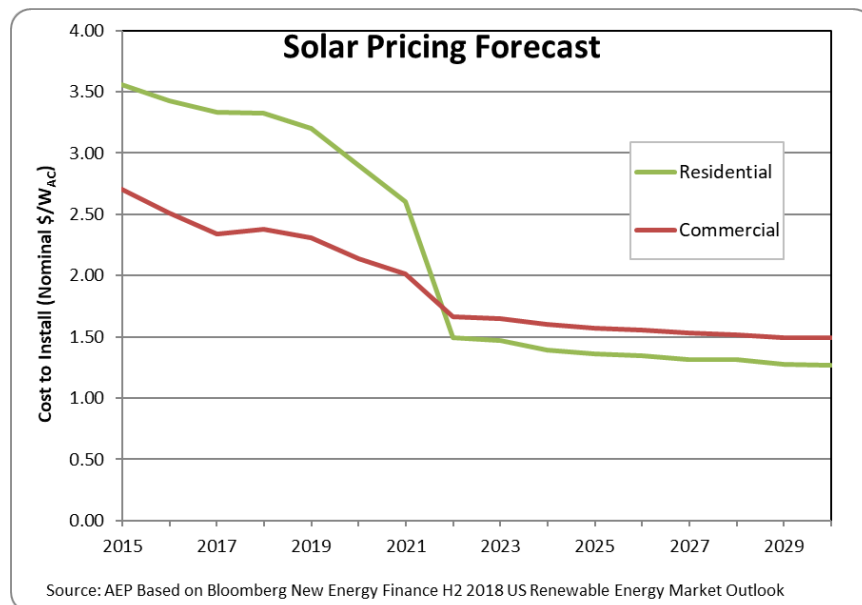


Figure 13. Residential and Commercial Forecasted Solar Installed Costs (Nominal \$/W_{ac})

As the cost to install residential solar continues to decline, the economics of such an investment suggests an investment in such a system based on a “net-metering” construct would be favorable in 2021; however, using the system value based on the expected wholesale rate a residential customer’s investment in rooftop solar would not be economically favorable relative to



the assumed cost of the system. Figure 14 illustrates the comparison of the system value based on the customer’s avoided retail rate and the wholesale rate. These are two examples of the monetary credit that the customer may receive for excess generation relative to the equivalent installed cost a customer would need to realize, on a dollars per watt-AC (\$/WAC) basis, in order to breakeven on their investment, assuming a 25-year life of the solar panels based on the customer’s avoided retail rate and the monetary credit that the customer receives for excess generation.

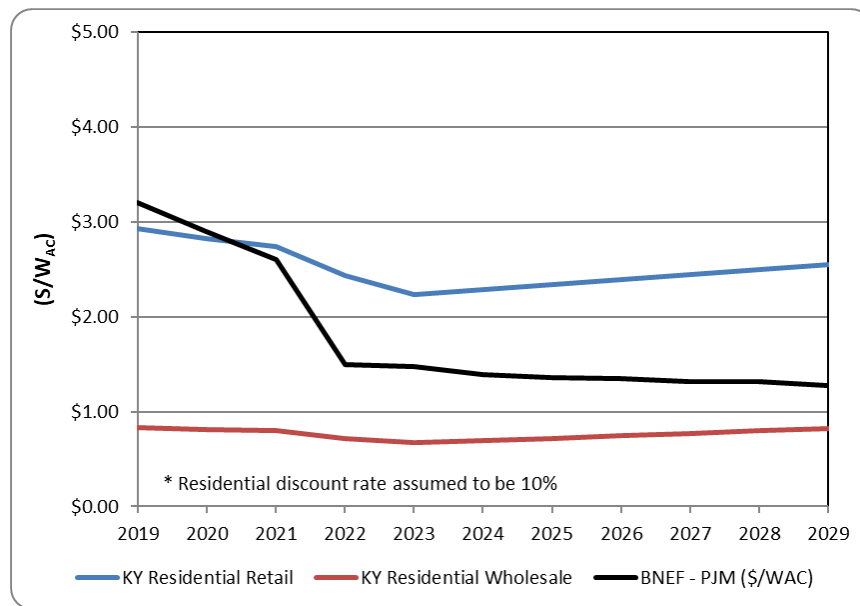


Figure 14. Breakeven Cost vs. Forecasted Installation Costs for Residential Rooftop Solar System; Discount Rate = 10%; Capacity Factor = 18%

A challenge to determining the value of a residential solar system is assigning an appropriate cost of capital or discount rate. Discount rates for residential investments vary dramatically and are based on each individual’s financial situation. Figure 15, below, shows how the value of a residential customer’s DG system can vary based on discount rate.

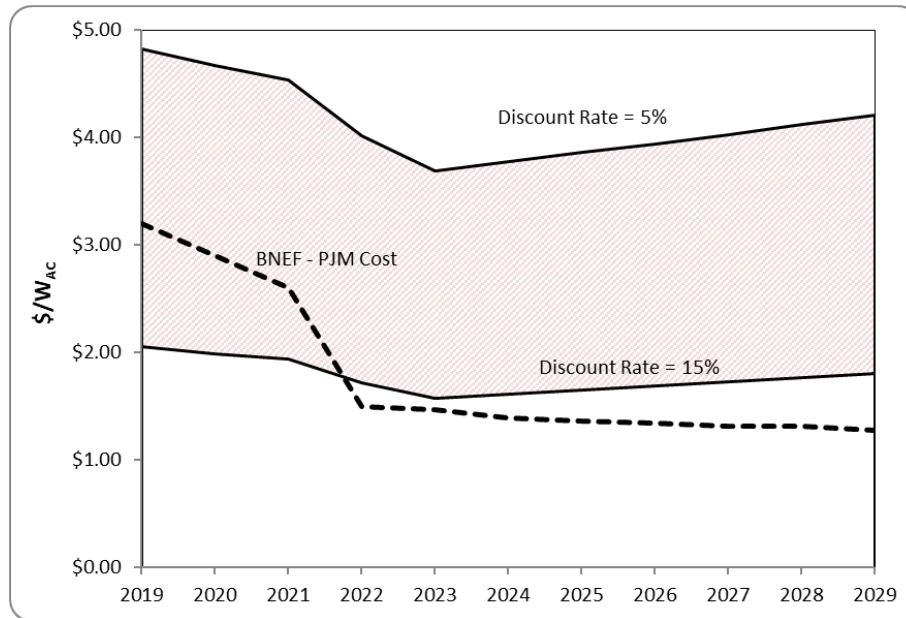


Figure 15. Range of Residential Distributed Solar Breakeven Values Based on Discount Rate; Capacity Factor = 18%

3.4.4.1 Existing Levels of Distributed Generation (DG)

As of December 2018, Kentucky Power had 24 net metering system installations including 15 residential systems and 9 commercial systems for a total of 0.28 MW of photovoltaic DG (i.e., rooftop solar) throughout the service territory. Future levels of rooftop solar are discussed in Section 4.4.3.4.

3.4.4.2 Cogeneration / Combined Heat and Power (CHP)

Kentucky Power currently does not have any CHP customers within its territory. Kentucky Power has been and will continue to be open to discussing the possibility of CHP resources and how they fit into the Company’s current tariffs. A CHP resource is included as a potential future resource in the *Plexos*[®] model, as described in Section 4.4.3.5.



3.4.5 Volt VAR Optimization (VVO)

An emerging technology known as VVO represents a form of voltage control that allows the grid to operate more efficiently. Depicted at a high-level in Figure 16 below, with VVO sensors and intelligent controllers monitor load flow characteristics and direct controls on capacitor and voltage regulating equipment to optimize power factor and voltage levels. Power factor is the ratio of real power to apparent power, and is a characteristic of electric power flow, which is controlled to optimize power flow on an electric network. Power factor optimization also improves energy efficiency by reducing losses on the system. VVO enables Conservation Voltage Reduction (CVR) on a utility's system. CVR is a process by which the utility systematically reduces voltages in its distribution network, resulting in a proportional reduction of load on the network. Voltage optimization can allow a reduction of system voltage that still maintains minimum levels needed by customers, thereby allowing customers to use less energy without any changes in behavior or appliance efficiencies. Early results from limited rollouts in AEP affiliate operating companies indicate a range of 0.7% to 1.2% of energy demand reduction for each 1% voltage reduction is possible.

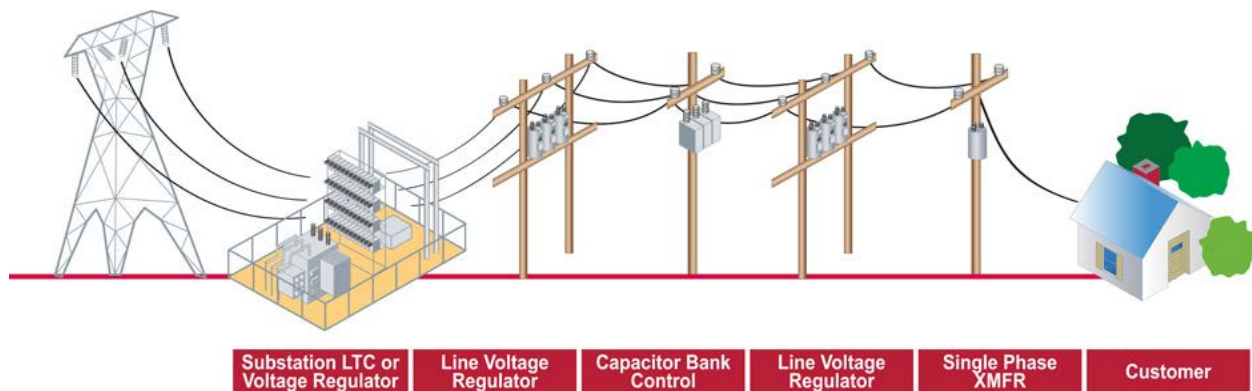


Figure 16. Volt VAR Optimization Schematic



While there is no “embedded” VVO load reduction impacts implicit in the base load forecast case, VVO has been modeled as a unique EE resource.

3.4.6 KPSC Staff DSM Recommendations Addressed

As mentioned earlier, in its report on Kentucky Power’s 2016 Integrated Resource Plan the Commission Staff recommended that the Company address certain items in its next IRP report (this report). The following items pertaining to DSM are restated from the Staff report and addressed below:

- 1. Kentucky Power should continue to examine the results of the cost effectiveness tests of its remaining DSM programs as compared to the estimates projected by the AEG Study. Kentucky Power should report on existing programs that do not meet or exceed their cost-effectiveness estimate and the proposed alterations, if any, that may allow those programs to be altered to meet the study targets.**

Based on a Commission order from case number 2017-00097, Kentucky Power has one DSM program left in its portfolio and it is for the Low-Income customers. Kentucky Power’s Targeted Energy Efficiency (TEE) program already includes the thermal shell, heating/cooling and water heating. However, low-income EE programs typically always fail cost-effectiveness tests.

- 2. In further support of the Commission's final order in Case No. 2016-00281, Kentucky Power is no longer required to pursue further industrial programs.**

Industrial programs have been excluded from the EE analysis in this 2019 IRP.

- 3. Kentucky Power should continue participating with adjoining AEP operating companies in order to take advantage of economies of scale that allow for reduced advertising costs and enhanced marketing to the extent possible for income-eligible residential DSM programs and report such savings.**



Kentucky Power has one DSM program, the TEE program, related to residential income-eligible programs. There are no advertising expenses related to the program and the program is administered through local Community Action Agencies, which promote the program.

3.5 AEP-PJM & Kentucky Power Transmission

3.5.1 General Description

The Kentucky Power transmission system is composed of approximately 1,272 transmission circuit miles operating at or above 34.5 kV, which is connected with the AEP eastern transmission system, and takes transmission service under the PJM Open Access Transmission Tariff (OATT). The transmission circuit miles in Kentucky include approximately 258 miles of 765 kV, 8 miles of 345 kV, 48 miles of 161 kV, 359 miles of 138 kV lines, 431 miles of 69 kV, 166 miles of 46 kV lines, and 2 miles of 34.5kV lines. Exhibit F includes a map of the entire AEP System-East Zone transmission grid, as well as a map of Kentucky Power's transmission grid.

The AEP eastern transmission system, which includes Kentucky Power, is part of the Eastern Interconnection, the most integrated transmission system in North America. The entire AEP eastern transmission system is located within the ReliabilityFirst Corporation (RFC)⁸

⁸ Responsible for the reliability and security of the electric grid in the Great Lakes and Mid-Atlantic areas of the United States, which includes all or portions of Delaware, New Jersey, Pennsylvania, Maryland, Virginia, Illinois, Wisconsin, Indiana, Ohio, Michigan, Kentucky, West Virginia, Tennessee, and the District of Columbia under Federal Energy Regulatory Commission approved delegation agreements with the North American Electric Reliability Corporation.



geographic area. On October 1, 2004, AEP's eastern zone joined the PJM RTO and participates in the PJM markets.

As a result of the AEP eastern transmission system's geographical location and expanse, as well as its numerous interconnections, the eastern transmission system can be influenced by both internal and external factors. Facility outages, load changes, or generation re-dispatch on neighboring companies' systems, in combination with power transactions across the interconnected network, can affect power flows on AEP's transmission facilities. As a result, the AEP eastern transmission system is designed and operated to perform adequately even with the outage of its most critical transmission elements or the unavailability of generation. The eastern transmission system conforms to the North American Electric Reliability Corporation (NERC) Reliability Standards and applicable RFC standards and performance criteria.

Over the years, numerous studies have been performed to assess the impact of the connection of potential merchant generation to the eastern transmission system. The integration of merchant generation now connected to the eastern transmission system required incremental transmission system upgrades, such as installation of larger capacity transformers and circuit breaker replacements. In addition, transmission modifications may be required to address changes in power flow patterns and changes in local voltage profiles resulting from operation of the PJM and MISO markets.

There is one area in particular where the planned transmission enhancements will allow the reliable operation of the Kentucky Power transmission system. The transmission network in the Hazard-Wooton area that serves approximately 300 MW of load is connected to TVA's 161 kV system at TVA's Pineville Station and to LG&E's 161 kV system at Wooton Station. A



comprehensive plan has been developed that will address these issues, and has been the subject of past and present filings before the Kentucky Public Service Commission.⁹

3.5.2 Transmission Planning Process

AEP, working on behalf of Kentucky Power and PJM coordinate the planning of the transmission facilities in the AEP System-East Zone through a “bottom up/top down” approach. AEP will continue to develop transmission expansion plans to meet the applicable reliability criteria in support of PJM’s transmission planning process. PJM will incorporate these expansion plans with those of other PJM member utilities and then collectively evaluate the expansion plans as part of its Regional Transmission Expansion Plan (RTEP) process. The PJM assessment will ensure consistent and coordinated expansion of the overall bulk transmission system within its footprint. In accordance with this process, AEP will continue to take the lead for the planning of its local transmission system under the provisions of Schedule 6 of the PJM Operating Agreement. By way of the RTEP, PJM will ensure that transmission expansion is developed for the entire RTO footprint via a single regional planning process, ensuring a consistent view of needs and expansion timing while minimizing expenditures. When the RTEP identifies system upgrade requirements, PJM determines the individual member’s responsibility as related to construction and costs to implement the expansion. This process identifies the most appropriate, reliable and economical integrated transmission reinforcement plan for the entire region, while blending the local expertise of the transmission owners such as Kentucky Power with a regional view and formalized open stakeholder input.

Limitations, constraints, and future potential deficiencies on the Kentucky Power transmission system are identified using the AEP planning criteria, which are posted on the AEP

⁹ *Application Of Kentucky Power Company For Certificate Of Public Convenience And Necessity To Construct A 161 kV Transmission Line In Perry And Leslie Counties, Kentucky And Associated Facilities, KPSC Case Nos. 2017-00328 and 2019-00154.*



website.¹⁰ The AEP planning criteria are filed with FERC annually as part of AEP’s FERC Form 715 and pursuant to PJM’s M-3 Process, are made available for review by PJM and transmission stakeholders. Projects that affect the topology of the grid and are necessary to address limitations, constraints and future potential deficiencies on the Kentucky Power transmission system are submitted to PJM and subjected to two rounds of review with the Transmission Expansion Advisory (TEAC) and Sub-regional RTEP Committee-Western. All transmission stakeholders may attend and participate in the TEAC and Sub-regional RTEP Committee-Western meetings. After stakeholder input is vetted through this committee meeting process, solutions are budgeted and implemented as appropriate to ensure that system enhancements will be timed to address anticipated deficiencies.

PJM also coordinates its regional expansion plan on behalf of the member utilities with the neighboring utilities and/or RTOs, including MISO, to ensure inter-regional reliability. The Joint Operating Agreement between PJM and MISO provides for joint transmission planning.

3.5.3 System-Wide Reliability Measure

Transmission reliability studies are conducted routinely for seasonal, near-term, and long-term horizons to assess the anticipated performance of the transmission system. The reliability impact of resource adequacy (either supply- or demand-side) would be evaluated as an inherent part of these overall reliability assessments. If reliability studies indicate the potential for inadequate transmission reliability, transmission expansion alternatives and/or operational remedial measures would be identified.

¹⁰<https://www.aep.com/assets/docs/requiredpostings/TransmissionStudies/docs/2019/2019%20AEP%20PJM%20FERC%20715%20FINAL%20Part%204.pdf>.



3.5.4 Evaluation of Adequacy for Load Growth

As part of the on-going near-term/long-term planning process, AEP and PJM use the latest load forecasts along with information on system configuration, generation dispatch, and system transactions to develop models of the AEP transmission system. These models are the foundation for conducting performance appraisal studies based on established criteria to determine the potential for overloads, voltage problems, or other unacceptable operating problems under adverse system conditions. Whenever a potential problem is identified, PJM and AEP seek solutions to avoid the occurrence of problems. Solutions may include operating procedures or capital transmission reinforcements. Through this on-going process, AEP works diligently to maintain an adequate transmission system able to meet forecasted loads with a high degree of reliability.

In addition, PJM performs a Load Deliverability assessment on an annual basis using a 90/10¹¹ load forecast for areas that may need to rely on external resources to meet their demands during an emergency condition.

3.5.5 Evaluation of Other Factors

As a member of PJM, and in compliance with FERC Orders 888 and 889, AEP is obligated to provide sufficient transmission capacity to support the wholesale electric energy market. In this regard, any committed generator interconnections and firm transmission services are taken into consideration under AEP's and PJM's planning processes. In addition to providing reliable electric service to Kentucky Power's retail and wholesale customers, PJM will continue to use any available transmission capacity in AEP and Kentucky Power's transmission system to support the power supply and transmission reliability needs of the entire PJM – MISO joint market.

¹¹ 90% probability that the actual peak load will be lower than the forecasted peak load and 10% probability that the actual peak load will be higher than the forecasted peak load.



A number of generation requests have been initiated in the PJM generator interconnection queue. AEP, through its membership in PJM, is obligated to evaluate the impact of these projects and construct the transmission interconnection facilities and system upgrades required to connect any projects that sign an interconnection agreement. The amount of this planned generation that will actually come to fruition is unknown at this time.

3.5.6 Transmission Expansion Plans

The transmission system expansion plans for the AEP system, which includes Kentucky Power, are developed and reviewed through the PJM stakeholder process to meet projected future requirements. To evaluate future transmission upgrades, AEP and PJM use power flow analyses to simulate normal conditions, and credible single and double contingencies to determine the potential thermal and voltage impact on the transmission system.

As discussed earlier, Kentucky Power, in coordination with PJM and transmission stakeholders, will continue to develop transmission reinforcements to serve its own load areas to ensure compatibility, reliability and cost efficiency.

3.5.7 FERC Form 715 Information

A discussion of the eastern AEP System reliability criteria for transmission planning, as well as the assessment practice used, is provided in AEP's 2019 FERC Form 715 Annual Transmission Planning and Evaluation Report. That filing also provides transmission maps, and pertinent information on power flow studies and an evaluation and continued adequacy assessment of AEP's eastern transmission system.

As the transmission planner for AEP and Kentucky Power, PJM performs all required studies to assess the robustness of the Bulk Electric System. All the models used for these studies are created by and maintained by PJM with input from all transmission owners, including AEP. Information about current cases, models, or results can be requested from PJM directly. PJM is



responsible for ensuring that AEP meets all NERC transmission planning requirements, including stability of the system.

Performance standards establish the basis for determining whether system response to credible events is acceptable. Depending on the nature of the study, one or more of the following performance standards will be assessed: thermal, voltage, relay, stability, and short circuit. In general, system response to events evolves over a period of several seconds or more. Steady state conditions can be simulated using a power flow computer program. A short circuit program can provide an estimate of the large magnitude currents, due to a disturbance, that must be detected by protective relays and interrupted by devices such as circuit breakers. A stability program simulates the power and voltage swings that occur as a result of a disturbance, which could lead to undesirable generator/relay tripping or cascading outages. Finally, a post contingency power flow study can be used to determine the voltages and line loading conditions following the removal of faulted facilities and any other facilities that trip as a result of the initial disturbance.

The planning process for AEP's transmission network embraces two major sets of contingency tests to ensure reliability. The first set, which applies to both bulk and local area transmission assessment and planning, includes all significant single contingencies. The second set, which is applicable only to the Bulk Electric System, includes multiple and more extreme contingencies. For the AEP system, thermal and voltage performance standards are usually the most constraining measures of reliable system performance.

Sufficient modeling of neighboring systems is essential in any study of the Bulk Electric System. Neighboring company information is obtained from the latest regional or interregional study group models, the RFC base cases, the Eastern Interconnection Reliability Assessment Group (ERAG) Multiregional Modeling Working Group (MMWG) power flow library, the PJM base cases, and neighboring companies themselves. In general, sufficient detail is obtained to adequately assess all events, outages and changes in generation dispatch, which are contemplated in any given study.



3.5.8 Kentucky Transmission Projects

A brief summary of the major transmission projects in Kentucky Power’s service territory is provided below. This list includes projects which have recently been completed, projects which will be completed within the next three years, and projects which will begin in the next three years.

- **Hazard – Wooton 161 kV Project** – This project addresses thermal violations, equipment material condition, performance, and risk concerns identified with the Hazard-Wooton 161 kV line and 161/138 kV transformer. Specifically, this project will rebuild approximately 6.6 miles of the Hazard - Wooton 161 kV line and replace three, single phase 161/138 kV transformers at Hazard with a single higher capacity three-phase transformer. Additionally, this project will replace the existing 138/69 kV transformers with new 138/69 kV 130 MVA transformers due to identified equipment material condition, performance, and risk concerns. The revised in-service date for this project is June 2021.

Hazard – Wooton 161 kV Line

Existing Summer Emergency Conductor Capacity: 215 MVA

Proposed Summer Emergency Conductor Capacity: 390 MVA

Hazard 161/138 kV Transformer

Existing Nameplate Capacity: 135 MVA

Proposed Nameplate Capacity: 350 MVA

Hazard 138/69 kV Transformer #1

Existing Nameplate Capacity: 50 MVA

Proposed Nameplate Capacity: 130 MVA

- **Cannonsburg – South Neal 69 kV Line Section Rebuild** – To address thermal violations, this project will rebuild approximately 5 miles of the Cannonsburg – South Neal 69 kV line. The current projected in-service date for the project is December 2019.

Cannonsburg - South Neal 69 kV Line

Existing Summer Emergency Conductor Capacity: 75 MVA



Proposed Summer Emergency Conductor Capacity: 102 MVA

- **East Park 138 kV Transmission Line** – This project will construct approximately 3 miles of 138 kV line to connect the existing Chadwick – Kentucky Electric Steel 138 kV line to the proposed Moore Hollow 138 kV substation located in the East Park Industrial Center. The project will serve as a transmission service delivery point to industrial customers at the East Park Industrial Center. The current projected in-service date for the project is June 2021.

East Park 138 kV transmission line

Proposed Summer Emergency Conductor Capacity: 413 MVA

- **Boyd County Area Improvements** - This project will construct approximately 8 miles of 138 kV line to connect the proposed Moore Hollow 138 kV substation located in the East Park Industrial Center to the proposed Ramey substation off the existing Bellefonte – Grangston 138 kV circuit. The project will serve as the second transmission source to industrial customers at the East Park Industrial Center. The project also addresses equipment material condition performance, and risk concerns associated with the Hoods Creek Station, while establishing a new distribution source to the area at Ramey. The current projected in-service date for the project is December 2023.

Moore Hollow - Ramey 138 kV transmission line

Proposed Summer Emergency Conductor Capacity: 413 MVA

- **Chadwick Station Improvements** – This project will expand the Chadwick station and install a second 138/69 kV transformer and establish a new 138kV Bus tied on Bellefonte – Grangston 138 kV circuit at the existing Chadwick station. This project will reconfigure the 69 kV bus into a four-breaker ring bus arrangement to tie the new transformer. The project will address thermal and voltage violations identified on the South Neal area 69 kV network. The current projected in-service date for the project is October 2020.

Chadwick Transformer #2



Proposed Nameplate Capacity: 200 MVA

- **Johns Creek and Stone Station Upgrades** – This project will install new 138 kV circuit breakers at Johns Creek, Stone and Inez stations. This project will provide additional reliability to customers, operational flexibility, and voltage support under contingency conditions. Current projected in-service date is December 2020.
- **Enterprise Park Area Improvements** – This project will address thermal and voltage violations identified on the Pikeville 46 kV network by establishing a new substation to the west (~1.5 mi.) of the existing Fords Branch Station, potentially in/near the new Kentucky Enterprise Industrial Park. This new station will consist of 4 -138 kV breaker ring bus and 2 step-down distribution voltage transformers. The project will construct approximately 5 miles of new double circuit 138 kV line in order to loop the new substation into the existing Beaver Creek – Cedar Creek 138 kV circuit. Current projected in-service date is September 2022.

In addition, several other projects outside of the Kentucky area have also been completed or are underway across the AEP System-East Zone. These projects contribute to the robust health and capacity of the overall transmission grid, which benefits all customers.

AEP’s transmission system is anticipated to continue to perform reliably for the upcoming peak load seasons. AEP will continue to assess the need to expand its system to ensure adequate reliability for Kentucky customers.

3.6 Distribution

Kentucky Power manages the distribution system to the National Electric Safety Code standards using AEP guidelines and engineering practices. The distribution system has been enhanced over the years with the construction of new substations and distribution lines to meet customers’ needs and improve service reliability and quality. Substation transformer and circuit loads are monitored and load forecasts are developed for an annual, 5-year and 10-year planning



period to meet customer load growth and/or load shifting as the economic downturn impacts the local communities. Since 2016, the Company has upgraded distribution substations with plans to either upgrade or add additional substations through 2034, mainly for service improvement opportunities. The Company evaluates Distributed Energy Resources including Energy Storage as alternatives when planning for capacity and reliability upgrades. The Company focuses on the worst performing circuits to make necessary quality improvements. These include replacing aging station equipment, poles and wire. In rough terrain areas, the Company makes efforts to relocate inaccessible facilities to be truck approachable to reduce response and repair time.



4.0 Modeling Parameters

4.1 Modeling and Planning Process – An Overview

The objective of a resource planning effort is to recommend a system resource expansion plan that balances “least-cost” objectives with planning flexibility, asset mix considerations, adaptability to risk, and conformance with applicable NERC and RTO criteria. In addition, the planning effort must ultimately be in concert with anticipated long-term requirements established by the EPA-driven environmental compliance planning process. Resources selected through the modeling process are not locational specific.

The information presented with this IRP includes descriptions of assumptions, study parameters, methodologies, and results including the integration of supply-side resources and DSM programs.

In general, assumptions and plans are continually reviewed and modified as new information becomes available to ensure that market structures and governances, technical parameters, regulatory constructs, capacity supply, energy adequacy and operational reliability, and environmental mandate requirements are routinely reassessed to ensure optimal capacity resource planning.

Further impacting this process are a growing number of federal and state initiatives that address many issues relating to industry restructuring, customer choice, and reliability planning. Currently, fulfilling a regulatory obligation to serve native load customers represents one of the cornerstones of the Kentucky Power IRP process. Therefore, as a result, the “objective function” of the modeling applications utilized in this process is the establishment of the least-cost plan, with *cost* being more accurately described as *revenue requirement* under a traditional ratemaking construct.

That does not mean, however, that the best or optimal plan is the one with the absolute least cost over the planning horizon evaluated. Other factors—some more difficult to monetize than



others—were considered in the determination of the Preferred Plan. Sensitivity analyses were performed to understand the impact of addressing factors which may increase portfolio costs.

4.2 Methodology

The IRP process aims to address the long-term “gap” between resource needs and current resources. Given the various assets and resources that can satisfy this expected long-term gap, a modeling tool sorts through the myriad of potential combinations and returns an optimum solution—or portfolio—subject to constraints. *Plexos*[®] is the primary modeling application, used by Kentucky Power and AEP for identifying and ranking portfolios that address the gap between needs and current available resources.¹² Given the cost and performance parameters around sets of potentially-available supply- and demand-side proxy resources and a scenario of economic conditions that include long-term fuel prices, capacity costs, energy costs, emission-based pricing proxies including CO₂, as well as projections of energy usage and peak demand, *Plexos*[®] will return the optimal suite of proxy resources (portfolio) that meet the resource need. Portfolios created under similar pricing scenarios may be ranked on the basis of cost, or the Cumulative Present Worth (CPW), of the resulting stream of revenue requirements. The least cost option is considered the “optimum” portfolio for that unique input parameter scenario.

4.3 Fundamentals Modeling Input Parameters

The Fundamentals Forecast is a long-term, weather-normalized energy market forecast. It is not created to meet a specific regulatory need in a particular jurisdiction; rather, it is made available to all AEP operating companies after completion. AEP operating companies use the Fundamentals Forecast for purposes such as fixed asset impairment accounting, capital improvement analyses, resource planning, and strategic planning. These projections cover the

¹² *Plexos*[®] is a production cost-based resource optimization model, which was developed and supported by Energy Exemplar, LLC. The *Plexos*[®] model is currently licensed for use in 37 countries throughout the world.



electricity market within the Eastern Interconnect (which includes the Southwest Power Pool), the Electric Reliability Council of Texas (ERCOT) and the Western Electricity Coordinating Council (WECC). The Fundamentals Forecast includes:

- monthly and annual regional power prices (in both nominal and real dollars),
- prices for various qualities of Central Appalachian (CAPP), Northern Appalachian (NAPP), Illinois Basin (ILB), Powder River Basin (PRB) and Colorado coals,
- monthly and annual locational natural gas prices, including the benchmark Henry Hub,
- uranium fuel prices,
- SO₂, NO_x and CO₂ values,
- locational implied heat rates,
- electric generation capacity values,
- renewable energy subsidies and,
- inflation factors, among others.

The primary tool used for the development of the North American long-term energy market pricing forecasts is the Aurora energy market simulation model. It iteratively generates zonal, but not company-specific, long-term capacity expansion plans, annual energy dispatch, fuel burns and emission totals from inputs including fuel, load, emissions and capital costs, among others. Ultimately, Aurora creates a weather-normalized, long-term forecast of the market in which a utility operates.

The Aurora energy market simulation model is widely used by utilities for integrated resource and transmission planning, power cost analysis and detailed generator evaluation. The database includes approximately 25,000 electric generating facilities in the contiguous United States, Canada and Baja Mexico. These generating facilities include wind, solar, biomass, nuclear, coal, natural gas, and oil. A licensed online data provider, ABB Velocity Suite, provides up-to-date information on markets, entities and transactions along with the operating characteristics of



each generating facility, which are subsequently exported to the Aurora energy market simulation model.

The Fundamentals Forecast is a long-term, weather-normalized energy market forecast and there is the credible modeling expectation that each forecast-year experiences 30-year average heating and cooling degree-days. In fact, actual weather can deviate dramatically. The combination of both heating degree-day departure from normal and above- or below-normal natural gas storage inventory levels are primary factors affecting any nearby deviation from weather-normalized values. Warmer-than-normal winters result in reduced natural gas demand and materially depressed natural gas prices. Understandably, the Polar Vortex winter of 2013-2014 had the opposite effects. When comparing actual results to a weather-normalized forecast, it is imperative to account for these impacts.

AEP Service Corporation (AEPSC) also has ample energy market research information available for its reference, which includes third-party consultants, industry groups, governmental agencies, trade press, investment community, AEP-internal expertise, various stakeholders, and others. Although no exact forecast inputs from these sources of energy market research information are utilized, an in-depth assessment of this research information can yield, among other things, an indication of the supply, demand, and price relationship (price elasticity) over a period of time. This price elasticity, when applied to the Aurora-derived natural gas fuel consumption, yields a corresponding change in natural gas prices – which is recycled through the Aurora model iteratively until the change in natural gas fuel consumption for the electric generation sector is *de minimis*. Figure 16 illustrates that any changes in input assumptions must be iteratively processed through Aurora to determine a new merit order of dispatch. It is this new merit order of dispatch that takes into account the effect of operating conditions across North America and, in turn, ultimately determines zonal energy market prices.

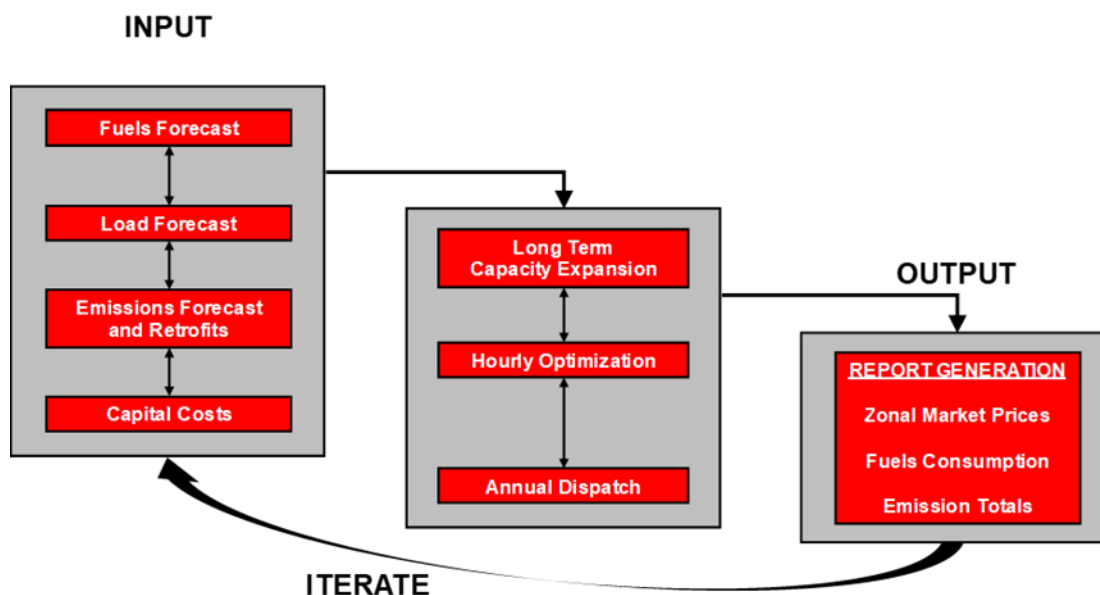


Figure 17. Long-term Power Price Forecast Process Flow

4.3.1 Commodity Pricing Scenarios

Four commodity-pricing scenarios were developed to construct resource plans for Kentucky Power under various long-term pricing conditions. In this Report, the four distinct long-term scenarios that were developed are the Base Case, Lower Band, Upper Band, Base, and No Carbon scenarios. The overall fundamentals forecasting effort was most recently completed in April of 2019.

The associated cases were designed and generated to define a plausible range of outcomes surrounding the Base Case Fundamentals Forecast. The Lower and Upper Band forecasts consider lower and higher North American demand for electric generation and fuels and, consequently, lower and higher fuels prices. Nominally, fossil fuel prices vary one standard deviation above and below Base Case values. Renewable Energy Credits (REC) are assumed to be zero over the long term in all of the Fundamentals Commodity price forecasts.



The Fundamentals Forecast employs a CO₂ dispatch burden (adder) on all existing fossil fuel-fired generating units that escalates 3.5% per annum from \$15 per ton commencing in 2028. This CO₂ dispatch burden is a proxy for the many pathways CO₂ may take (*e.g.*, renewables subsidies/penetration, voluntary and mandatory portfolio standards, exceptionally low natural gas prices, considerable reduction in battery storage costs) in addition to any regulation to impose fees on the combustion of carbon-based fuels.

It is the assessment of Company experts that the likelihood of any federal climate legislation is very low over the next three years and still unlikely through the tenure of the 116th Congress. With 2021-2023 as the earliest reasonable date for a climate proposal to pass through committee, reach the floor and be approved by the House for eventual passage, there will be an implementation period of approximately five years (as seen in previous climate proposals). Thus, 2028 is the earliest reasonable projection as to when such legislation could become effective.

The Fundamentals Forecast is not merely concerned with the current status of regulations and other current conditions that affect prices, but instead must also reflect reasonable expectations regarding future conditions that affect prices. As such, the carbon price proxy used for fundamentals forecasting is a reasonable assessment of future costs based on the current status for carbon regulations and potential changes thereto.

The No Carbon case assumes there will be no regulations limiting CO₂ emissions throughout the entire forecast period.

4.3.2 Forecasted Fundamentals Parameters

Figure 18 through Figure 24 below illustrate the forecasted fundamental parameters included in this IRP.

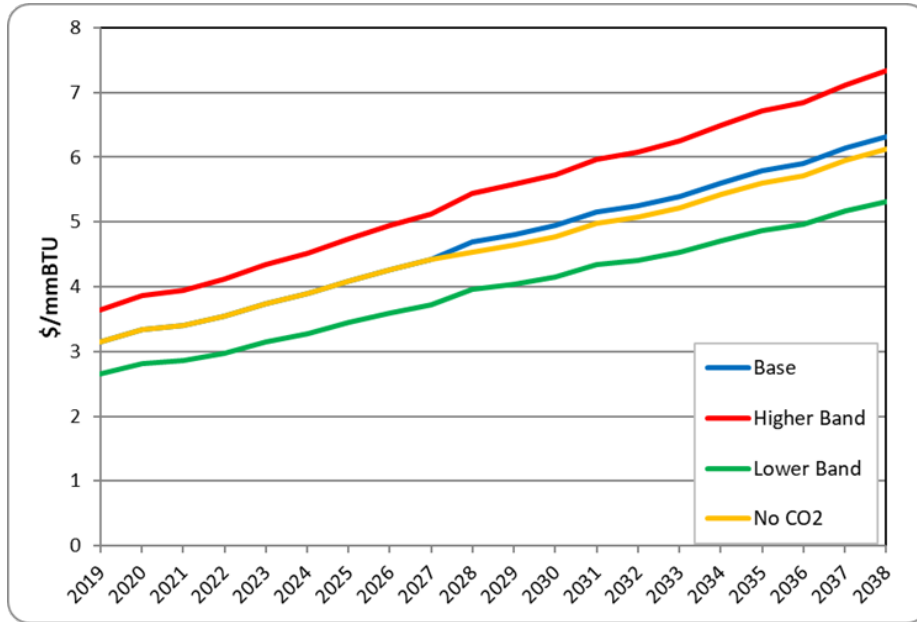


Figure 18. TCO Delivered Natural Gas Prices (Nominal \$/mmBTU)

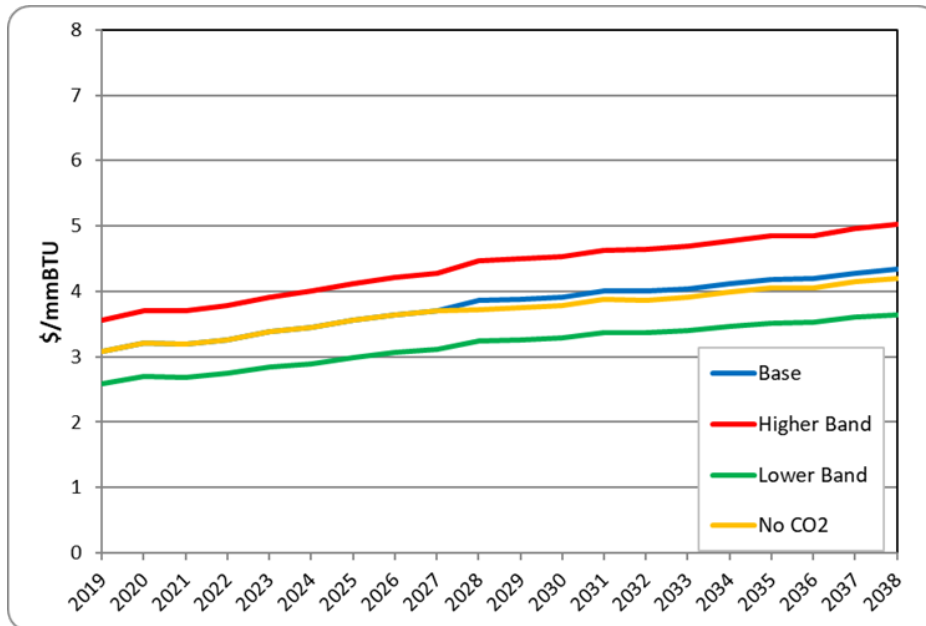


Figure 19. TCO Delivered Natural Gas Prices (2018 Real \$/mmBTU)

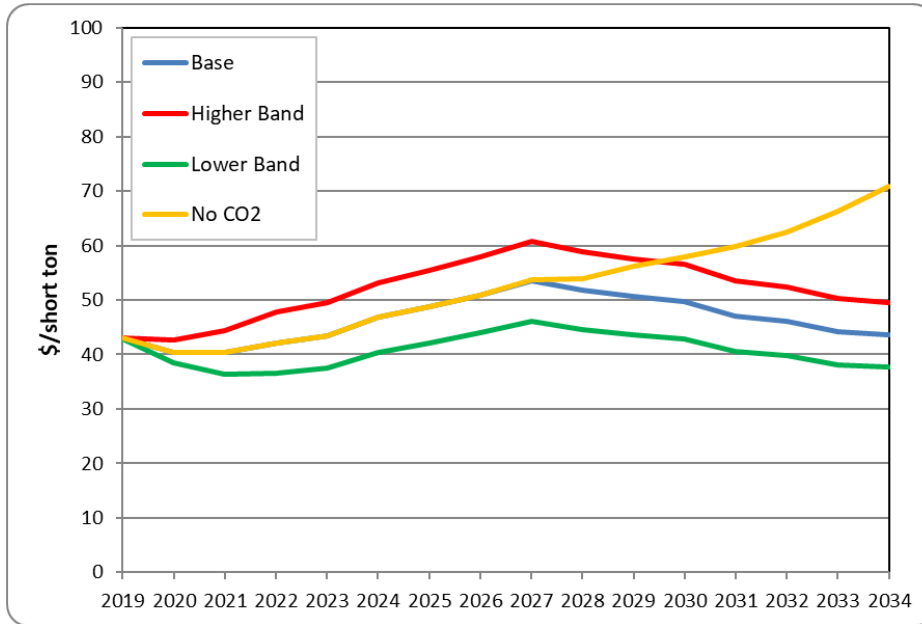


Figure 20. NAPP High Sulfur Coal Prices (Nominal \$/ton, FOB origin)

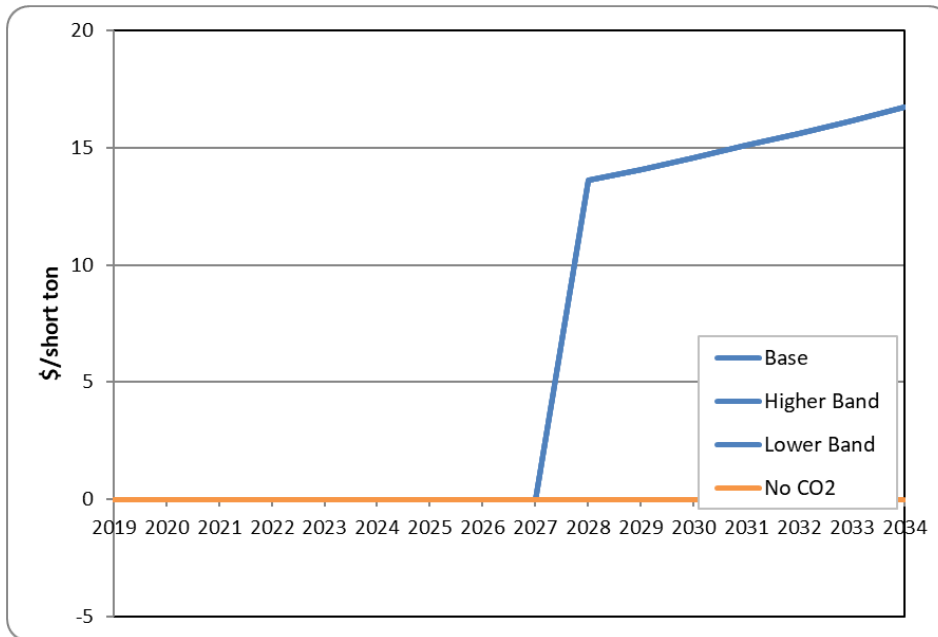


Figure 21. CO₂ Prices (Nominal \$/short ton)

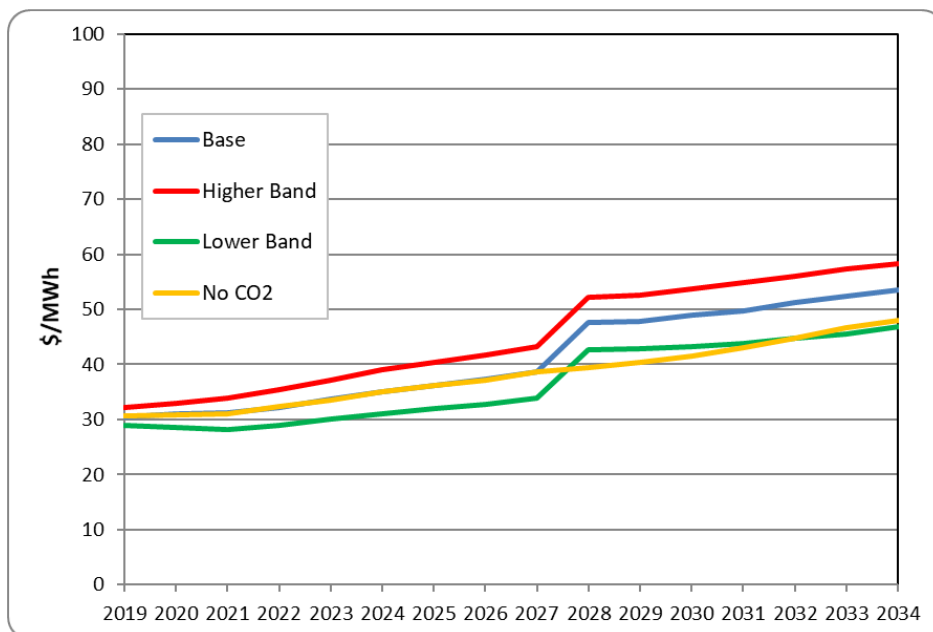


Figure 22. PJM On-Peak Energy Prices (Nominal \$/MWh)

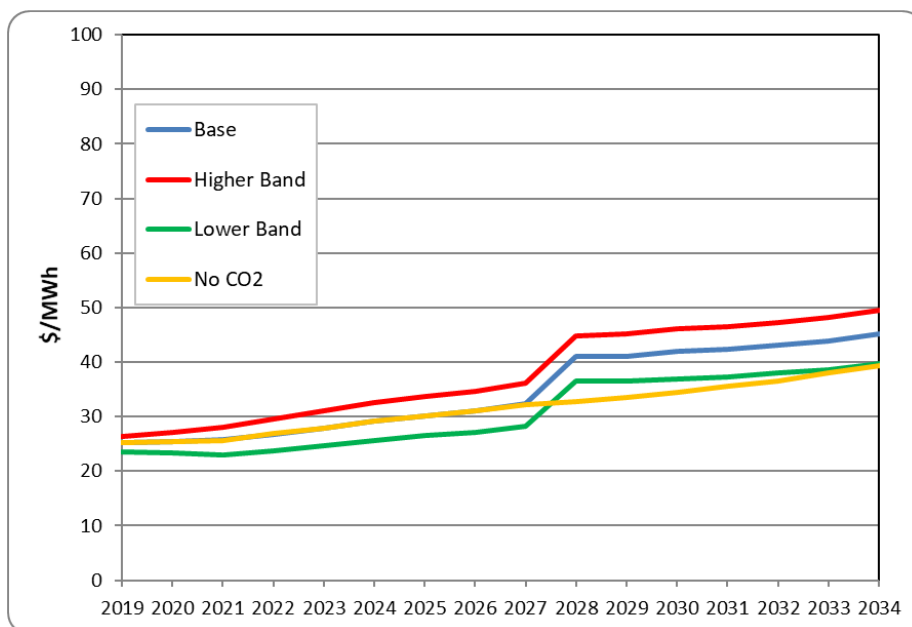


Figure 23. PJM Off-Peak Energy Prices (Nominal \$/MWh)

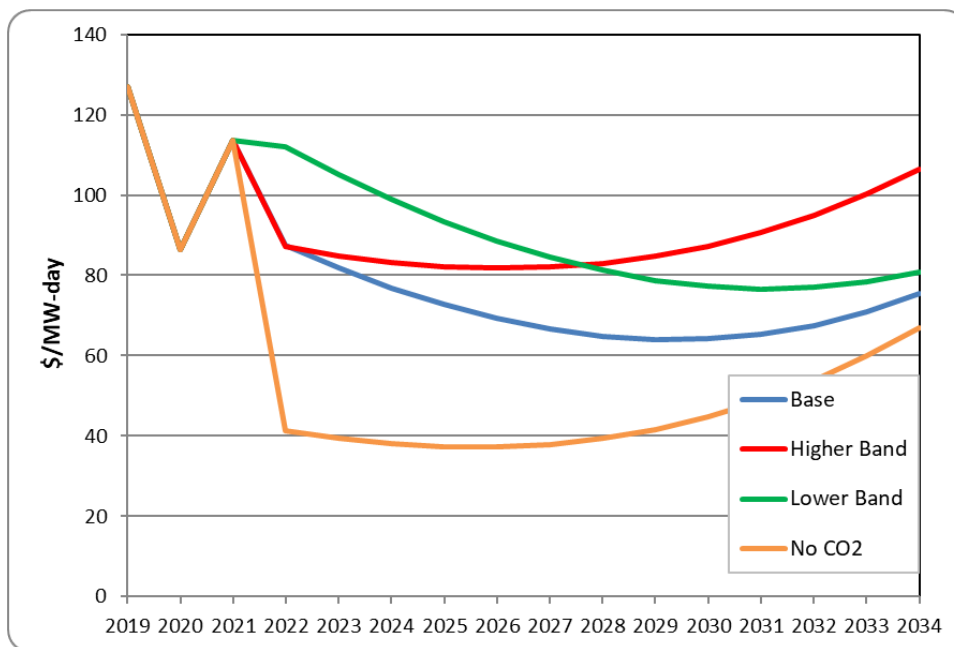


Figure 24. PJM Capacity Prices (Nominal \$/MW-Day)

The capacity prices in Figure 24 are a discrete output of the Aurora model used to project fundamentals power prices. Capacity prices represent the non-energy revenue necessary for the least-dispatched units to remain economically viable and for the entire fleet to meet required reserve margins. The Capacity Values are bounded by an assumed minimum of \$25 and the cost of new entry (CONE), currently defined as the cost of a new combustion turbine. It would be reasonable to infer that low capacity prices mean that the model is long in generation and that new generation is not required to maintain reserve margins. Similarly, an increase in capacity prices would indicate that new generation is required to meet reserve margins.

4.4 Demand-Side Management (DSM) Program Screening & Evaluation Process

4.4.1 Overview

The process for evaluating DSM impacts for Kentucky Power is divided into two components: “existing DSM programs” and “incremental DSM programs.” Existing DSM



programs are those that are known or are reasonably well defined, and follow a pre-existing process for screening and determining ultimate regulatory approval. The impacts of Kentucky Power’s existing DSM programs are propagated throughout the long-term load forecast. Incremental DSM program impacts, which are less-defined, are developed with a dynamic modeling process using more generic cost and performance parameter data.

The potential incremental DSM programs were developed and ultimately modeled based on input from Kentucky Power’s internal subject matter experts and the Electric Power Research Institute’s (EPRI) “2014 U.S. Energy Efficiency Potential Through 2035” report with updates from the 2019 Technical Update of this same report. This report served as the basic underpinning for the establishment of potential EE “bundles,” developed for residential and commercial customers that were then introduced as a resource option in the *Plexos*[®] optimization model.

4.4.2 Levels of Energy Efficiency (EE) Potential

The amount of available EE is typically described in three sets: technical potential, economic potential, and achievable potential. The previously-cited EPRI report breaks down the achievable potential into a High Achievable Potential (HAP) and an Achievable Potential (AP), with the HAP having a higher utility cost than the AP. Briefly, the technical potential encompasses all known efficiency improvements that are possible, regardless of cost, and thus, whether it is cost-effective (*i.e.*, all EE measures would be adopted if technically feasible). The logical subset of this pool is the economic potential. Most commonly, the total resource cost test is used to define economic potential. This compares the avoided cost savings achieved over the life of a measure/program with the cost to implement it, regardless of who paid for it and regardless of the age and remaining economic life of any system/equipment that would be replaced (*i.e.*, all EE measures would be adopted if economic). The third set of efficiency potential is that which is achievable. The HAP is the economic potential discounted for market barriers such as customer



preferences and supply chain maturity; the AP is additionally discounted for programmatic barriers such as program budgets and execution proficiency.

Of the total technical potential, typically only a fraction is ultimately achievable and only then over time due to the existence of market barriers. The question of how much effort and money is to be deployed towards removing or lowering the barriers is a decision made by state governing bodies (legislatures, regulators or both).

The AP range is typically a fraction of the economic potential range. This achievable amount must be further split between what can or should be accomplished with utility-sponsored programs and what should fall under codes and standards. Both amounts are represented in this IRP as reductions to what would otherwise be in the load forecast.

4.4.3 Evaluating Incremental Demand-Side Resources

The *Plexos*[®] model allows the user to input incremental CHP, EE, DR, and VVO as resources, thereby considering such alternatives in the model on equal-footing with more traditional “supply-side” generation resource options.

4.4.3.1 Incremental Energy Efficiency (EE) Modeled

To determine the economic demand-side EE activity to be modeled that would be over-and-above existing EE program offerings in the load forecast, a determination was made as to the potential level and cost of such incremental EE activity as well as the ability to expand current programs. Incremental programs modeled assumed they would be effective in 2022. To determine which end-uses are targeted, and in what amounts, Kentucky Power looked at the previously cited EPRI report and consulted its DSM team. The EPRI report and the Kentucky Power DSM team provided information on a multitude of current and anticipated end-use measures including measure costs, energy savings, market acceptance ratios and program implementation factors. Kentucky Power utilized this data to develop “bundles” of future EE activity for the demographics



and weather-related impacts of its service territory. Table 6 and Table 7, from the EPRI report, list the individual measure categories considered for both the residential and commercial sectors.

Table 6. Residential Sector Energy Efficiency (EE) Measure Categories

Central Air Conditioning	Programmable Thermostat	Storm Doors	Dishwashers
Air-Source Heat Pumps	Water Heating	External Shades	Clothes Washers
Ground-Source Heat Pumps	Faucet Aerators	Ceiling Insulation	Clothes Dryers
Room Air Conditioning	Pipe Insulation	Foundation Insulation	Refrigerators
Air Conditioning Maintenance	Low-Flow Showerheads	Duct Insulation	Freezers
Heat Pump Maintenance	Duct Repair	Wall Insulation	Cooking
Attic Fan	Dehumidifier	Windows	Televisions
Furnace Fans	Lighting – Linear Fluorescent	Reflective Roof	Personal Computers
Ceiling Fan	Lighting – Screw-in	Infiltration Control	Smart Plug Strips, Reduce Standby Wattage
Whole-House Fan	Enhanced Customer Bill Presentment		

Table 7. Commercial Sector Energy Efficiency (EE) Measure Categories

Heat Pumps	Water Heater	Energy-Efficient Motors	Lighting – Screw-in
Central Air Conditioning	Water Temperature Reset	Variable Speed Controls	Lighting – LED Street Lighting
Chiller	Computers	Programmable Thermostat	Anti-Sweat Heater Controls
Cool Roof	Servers	Duct Testing and Sealing	Floating Head Pressure Controls
Economizer	Displays	HVAC Retro-commissioning	Installation of Glass Doors
Energy Management System	Copiers Printers	Efficient Windows	High-Efficiency Vending Machine
Roof Insulation	Other Electronics	Lighting – Linear Fluorescent	Icemakers
Duct Insulation		Lighting – HID to LED	Reach-in Coolers and Freezers

From this information and recent Kentucky Power DSM activity, Kentucky Power has developed proxy EE bundles for residential and commercial customer classes to be modeled within *Plexos*®. These bundles are based on measure characteristics identified within the EPRI report, recent Kentucky Power DSM planning, and Kentucky Power customer usage.



Table 8 and Table 9 list the energy and cost profiles of EE resource “bundles” for the residential and commercial sectors, respectively.

Table 8. Incremental Residential Energy Efficiency (EE) Bundle Summary

Bundle	Installed Cost (\$/kWh)	Yearly Potential Savings (MWh) 2022-2024	Yearly Potential Savings (MWh) 2025-2029	Yearly Potential Savings (MWh) 2030-2040	Bundle Life	Measures
Thermal Shell - AP	\$0.18	1,540	514	680	10	Duct Repair,Duct Insulation
Thermal Shell - HAP	\$0.27	7,127	3,590	1,697	10	
Heating/Cooling - AP	\$0.36	16,726	2,849	0	18	SEER 16 Heat Pump
Heating/Cooling - HAP	\$0.53	19,678	330	0	18	
Water Heating - AP	\$0.26	7,732	1,799	1,759	14	FEF=2 - Water Heating, Faucet Aerators , Pipe Insulation , Low Flow Showerheads
Water Heating - HAP	\$0.37	27,566	13,756	7,174	14	
Appliances - AP	\$0.12	2,294	366	0	12	Efficient Dishwasher, Reduce Standby Wattage Te
Appliances - HAP	\$0.19	3,704	509	0	12	
Lighting - AP	\$0.06	4,937	0	0	28	Screw-In Lighting to LED
Lighting - HAP	\$0.07	8,252	716	0	28	

Table 9. Incremental Commercial Energy Efficiency (EE) Bundle Summary

Bundle	Installed Cost (\$/kWh)	Yearly Potential Savings (MWh) 2022-2024	Yearly Potential Savings (MWh) 2025-2029	Yearly Potential Savings (MWh) 2030-2040	Bundle Life	Measures
Heat Pump - AP	\$4.19	5,123	511	0	15	Heat Pump COP=4.0
Heat Pump - HAP	\$6.29	6,027	0	0	15	
HVAC Equipment - AP	\$0.10	1,337	0	0	15	Variable Speed Fan Control, Energy Efficient Mot
HVAC Equipment - HAP	\$0.16	2,370	0	0	15	
Indoor Screw-In Lighting - AP	\$0.01	1,042	0	0	6	Screw-In Lighting to LED
Indoor Screw-In Lighting - HAP	\$0.02	1,536	0	0	6	
Indoor HID/Fluor. Lighting - AP	\$0.11	7,689	901	0	14	Indoor Linear Fluorescent Lighting to LED
Indoor HID/Fluor. Lighting - HAP	\$0.16	9,045	0	0	14	
Outdoor Lighting - AP	\$0.42	1,287	0	0	15	LED Street Lighting
Outdoor Lighting - HAP	\$0.63	1,514	0	0	15	

As shown in the tables, each program has both AP and HAP characteristics. The development of these characteristics is based on the feedback from Kentucky Power’s DSM team and the EPRI EE Potential report. The EPRI report further identifies Market Acceptance Ratios (MAR) and Program Implementation Factors (PIF) to apply to primary measure savings, as well as Application Factors for secondary measures. Secondary measures are not consumers of energy, but do influence the system that is consuming energy. The Residential Thermal Shell, Residential Water Heating and Commercial Cooling bundles—in both AP and HAP—include secondary



measures. The MAR and PIF are utilized to develop the incremental AP program characteristics and the MAR only is used to develop the incremental HAP program characteristics.

Figure 25 shows the Levelized Cost of Electricity (LCOE) and potential energy savings in 2022 for each of the bundles offered into the model as a potential resource. To preserve a reasonable scale for illustrative purposes, the two bundles with the highest LCOE, Commercial Heat Pump AP and Commercial Heat Pump HAP, were omitted. The model will determine if an EE bundle is beneficial to an optimization scenario.¹³ Each EE bundle is offered into the model as a stand-alone resource with its own unique cost and potential energy and demand savings. Should the model determine that a bundle is economical, that bundle will be included in the portfolio of optimized resources. To develop appropriate EE offerings to propose for Kentucky Power's customers, Kentucky Power will consider the details of each EE bundle that was optimized by the *Plexos*[®] model and included in the Plan.

¹³ For illustrative purposes, the Company has included in Figure 25 a proxy for the PJM Around-the-Clock LCOE. It should be noted within this calculation that, for comparison purposes only, these annual values are degraded over 15 years, which is similar to EE bundles with a 15-year life.

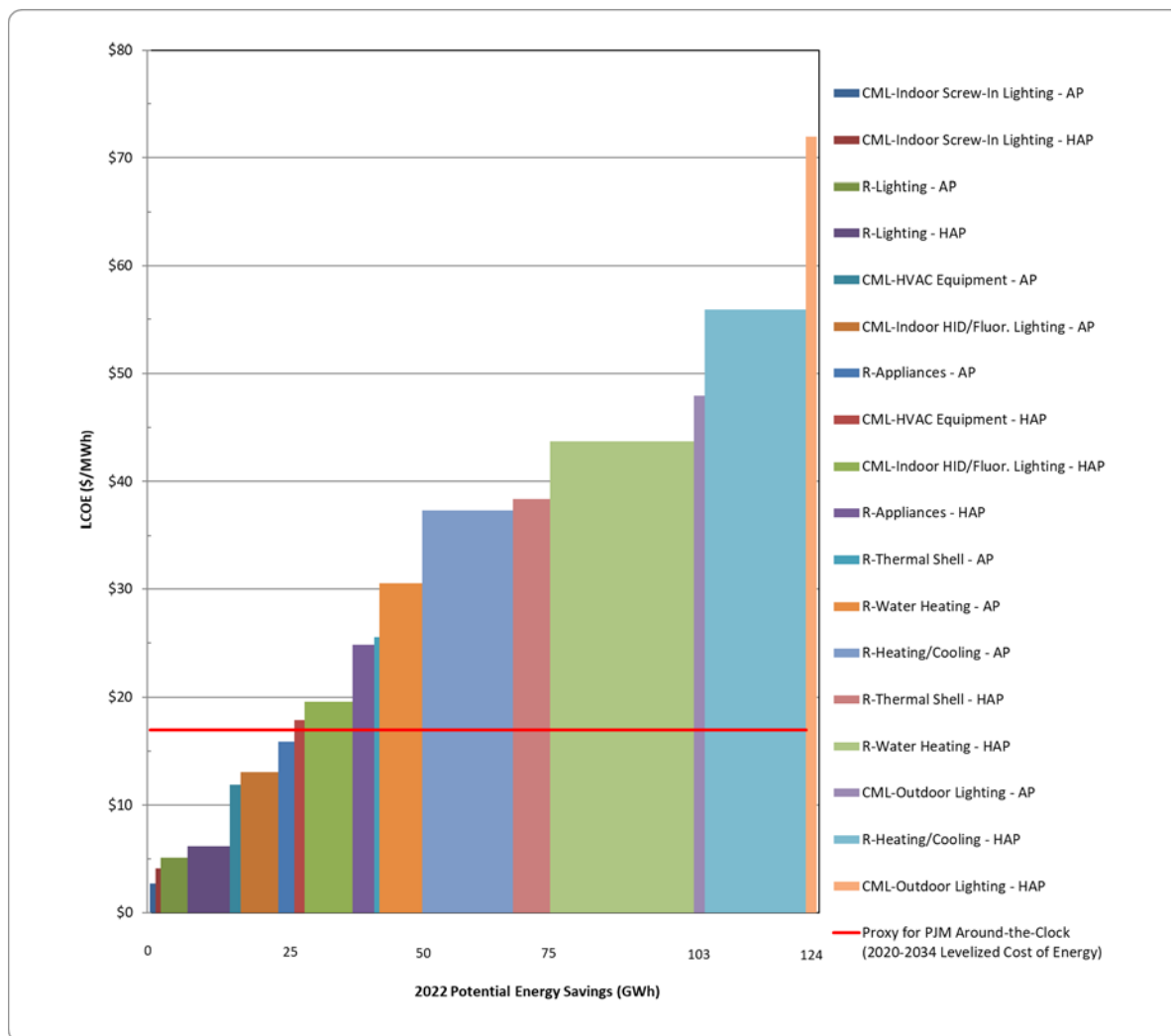


Figure 25. Energy Efficiency Bundle Levelized Cost vs. Potential Energy Savings for 2022

4.4.3.2 Volt VAR Optimization (VVO) Modeled

Potential VVO circuits considered for modeling varied in relative cost and energy-reduction effectiveness. The circuits were grouped into 8 “tranches” based on the relative potential peak demand and energy reduction of each tranche of circuits. The *Plexos*[®] model is able to pick the most cost-effective tranches first and add subsequent tranches as merited. Typically, a VVO



tranche includes approximately 10-15 circuits. Table 10, details all of the tranches offered into the model and the respective cost and performance of each.

Table 10. Volt VAR Optimization (VVO) Tranche Profiles

Tranche	No. of Circuits	Capital Investment	Annual O&M	Demand Reduction (kW)	Energy Reduction (MWh)
1	14	\$4,676,000	\$140,280	3,922	16,147
2	14	\$4,676,000	\$140,280	3,017	12,420
3	15	\$5,010,000	\$150,300	2,553	10,512
4	15	\$5,010,000	\$150,300	2,254	9,280
5	14	\$4,676,000	\$140,280	1,916	7,890
6	15	\$5,010,000	\$150,300	1,802	7,418
7	10	\$3,340,000	\$100,200	1,082	4,454
8	8	\$2,672,000	\$80,160	647	2,663

4.4.3.3 Demand Response (DR) Modeled

Incremental levels of DR were included in the IRP model. These resources, which are included in the model as a resource for the entire operating company, were modeled based on the Bring Your Own Thermostat (BYOT) program for the Residential DR and an “EIS” light interface for the Commercial DR. In the BYOT program, customers would own and self-install Wi-Fi enabled thermostats, which will communicate with Kentucky Power. Table 11, below, shows the Residential DR resource offered into the model for residential customers. The model may select up to four units of both the Residential and Commercial resource, in any calendar year, beginning with 2022. Each unit has a service life of fifteen years. Table 12 shows the Commercial DR resource offered into the model for commercial customers.

Table 11. Residential Demand Response Resource

Sector	Participants	Demand Savings (kW)	Energy Savings (kWh)	Enrollment/Installation Cost	Total First Year Cost	Ongoing Annual Cost	Service Life (Years)
Residential	1,000	800	0	\$336,000	\$350,280	\$264,280	15



Table 12. Commercial Demand Response Resource

Sector	Participants	Demand Savings (kW)	Energy Savings (kWh)	Enrollment/Installation Cost	Total First Year Cost	Ongoing Annual Cost	Service Life (Years)
Commercial	10	213	0	226,546	235,075	116,630	15

4.4.3.4 Distributed Generation (DG)

DG resources were evaluated assuming a residential rooftop solar resource, as this is the primary distributed resource. To determine the level of customer penetration, Kentucky Power referenced a forecast conducted by IHS Inc. on behalf of PJM.¹⁴ This forecast considered the level of solar photovoltaic (PV) installations over the period of 2020-2034. The updated forecast utilized by PJM included the Net Energy Metering Reform scenario.¹⁵ Figure 26 below depicts the forecast of DG resources in Kentucky Power over the planning period. To determine the level of DG penetration, Kentucky Power created a forecast using existing levels of DG and the incremental additions from PJM’s forecast.

¹⁴ PJM solar forecast 2018: October 29, 2018. Available at <https://pjm.com/-/media/committees-groups/subcommittees/las/20181127/20181127-item-06a-ihs-markit-pjm-solar-forecasts.ashx>.

¹⁵ Distributed Solar Generation Update, November 27, 2018. Available at <https://pjm.com/-/media/committees-groups/subcommittees/las/20181127/20181127-item-06b-pjm-distributed-solar-generation-forecast.ashx> and Distributed Solar Generation Forecast by Zone and State. Available at <https://pjm.com/-/media/committees-groups/subcommittees/las/20181127/20181127-las-distributed-solar-generation-data.ashx>.

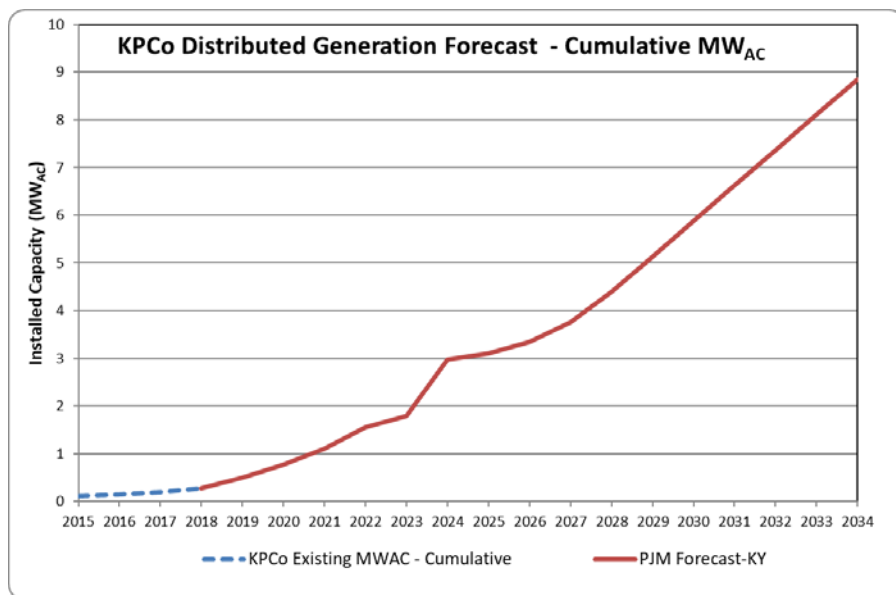


Figure 26. Kentucky Power Forecasted Rooftop Solar Installations

It is significant to note that rooftop solar does not represent the most economic means for Kentucky Power to add renewable generation as the cost of rooftop solar remains considerably higher than the cost of large-scale solar, which is discussed in Section 4.5.6.1.1.

In 2019, the Kentucky legislature passed Senate Bill 100, which allows for changes to the compensation rates paid to DG customers for excess generation. The Commission accepted comments from stakeholders and held a public hearing on this change in law, which takes effect January 1, 2020. The outcome of implementing this legislation is unknown at this time, as is its effect on future DG adoption rates in Kentucky Power’s service territory.

4.4.3.5 Combined Heat and Power (CHP)

CHP (also known as Cogeneration) is a process where electricity is generated and the waste heat by-product is used for heating or other processes, raising the net thermal efficiency of the facility. To take advantage of the increased efficiency associated with CHP, the host must have a ready need for the heat that is otherwise potentially wasted in the generation of electricity.



Kentucky Power worked with AEP Generation Engineering to develop a generic CHP option for modeling purposes. The CHP option developed is a 15 MW facility utilizing a natural gas fired combustion turbine, Heat Recovery Steam Generator (HRSG) and SCR to control NO_x. A major assumption is that all of the steam is taken by the host and the efficiency of the modeled CHP resource is credited for the value of the steam provided to the host. The overnight installed cost is estimated to be \$2,300/kW and the assumed modeled full-load heat rate is approximately 4,800 Btu/kWh. Additionally, the assumed capacity factor was 90%.

4.5 Identify and Screen Supply-side Resource Options

4.5.1 Capacity Resource Options

New construction supply-side alternatives were modeled to represent peaking and base-load/intermediate capacity resource options. To reduce the number of modeling permutations in *Plexos*[®], the available technology options were limited to certain representative unit types. However, it is important to note that alternative technologies with comparable cost and performance characteristics may ultimately be substituted should technological or market-based profile changes warrant.

When applicable, Kentucky Power may take advantage of economical market capacity and energy opportunities. Prospectively, these opportunities could take the place of currently planned resources and will be evaluated on a case-by-case basis.

4.5.2 New Supply-side Capacity Options

Natural gas base/intermediate and peaking generating technologies were considered in this IRP as well as large-scale solar and wind. Further details on these technologies are available in Exhibit D of the Appendix. To reduce the computational problem size within *Plexos*[®], the number of alternatives explicitly modeled was reduced through an economic screening process which analyzed various supply options and developed a quantitative comparison for each duty-cycle type



of capacity (*i.e.*, base-load, intermediate, and peaking) on a forty-year, levelized basis. The options were screened by comparing levelized annual busbar costs over a range of capacity factors.

The best of class technology, for each duty cycle, determined by this screening process was explicitly modeled in *Plexos*[®]. These generation technologies were intended to represent reasonable proxies for each capacity type (*i.e.*, base-load, intermediate, peaking). Subsequent substitution of specific technologies could occur in any later plan, based on emerging economic or non-economic factors not yet identified.

AEP tracks and monitors changes in the estimated cost and performance parameters for a wide array of generation technologies. Access to industry collaborative organizations such as EPRI and the Edison Electric Institute, AEP’s association with architect and engineering firms and original equipment manufacturers, as well as its own experience and market intelligence, provides AEP with current estimates for the planning process. Table 13, below, offers a summary of the most recent technology performance parameter data developed. Additional parameters such as the quantities and rates of solid waste production, hazardous material consumption, and water consumption are significant; however the options which passed the screening phase and were included in *Plexos*[®] were natural gas facilities which generally have limited impacts on these areas of concern.

Table 13. New Generation Technology Options with Key Assumptions

Type	Capability (MW) (d)			Installed Cost (c,e) (\$/kW)	Capacity Factor (%)	LCOE (f) (\$/MWh)
	Std. ISO	Summer	Winter			
Base Load						
Nuclear	1,610	1,560	1,690	8,500	80	174.3
Pulv. Coal with Carbon Capture (PRB)	540	520	570	9,500	75	216.6
Combined Cycle (1X1 "J" Class)	610	800	820	900	75	60.2
Combined Cycle (2X1 "J" Class)	1,230	1,600	1,640	700	75	56.1
Combined Cycle (2X1 "H" Class)	1,150	1,490	1,530	700	75	56.9
Peaking						
Combustion Turbine (2 - "E" Class) (g)	180	190	190	1,200	25	148.9
Combustion Turbine (2 - "F" Class, w/evap coolers) (g)	490	500	510	700	25	117.2
Aero-Derivative (2 - Small Machines) (g)	120	120	120	1,100	25	135.7
Recip Engine Farm	220	220	230	1,300	25	126.6
Battery	10	10	10	1,900	25	157.1



4.5.3 Base/Intermediate Options

Coal and nuclear base-load options were evaluated by Kentucky Power but were not included in the *Plexos*[®] resource optimization modeling analyses. For coal generation resources, environmental regulation (see Section 3.3) makes the construction of new coal plants economically impractical. New nuclear construction is also economically impractical since it would potentially require an investment of \$8,500/kW or more.

Intermediate generating sources are typically expected to serve a load-following and cycling duty and effectively shield base-load units from that obligation. Historically, many generators relied on older, smaller, less-efficient/higher dispatch cost, subcritical coal-fired or gas-steam units to serve such load-following roles.

4.5.3.1 Natural Gas Combined Cycle (NGCC)

An NGCC plant combines a steam cycle and a combustion gas turbine cycle to produce power. Waste heat (~1,100°F) from one or more combustion turbines passes through a HRSG producing steam. The steam drives a steam turbine generator which produces about one-third of the NGCC plant power, depending upon the gas-to-steam turbine design “platform,” while the combustion turbines produce the other two-thirds.

The main features of the NGCC plant are high reliability, reasonable capital costs, operating efficiency (at 45-63% Lower Heating Value), low emission levels, small footprint and shorter construction periods than coal-based plants. In the past 8 to 10 years, NGCC plants were often selected to meet new intermediate and certain base-load needs. Although cycling duty is typically not a concern, an issue faced by NGCC when load-following is the erosion of efficiency due to an inability to maintain optimum air-to-fuel pressure and turbine exhaust and steam temperatures. Methods to address these include:

- Installation of advanced automated controls.



- Supplemental firing while at full load with a reduction in firing when load decreases. When supplemental firing reaches zero, fuel to the gas turbine is cut back. This approach would reduce efficiency at full load, but would likewise greatly reduce efficiency degradation in lower-load ranges.
- Use of multiple gas turbines coupled with a waste heat boiler that will give the widest load range with minimum efficiency penalty.

At this time, the Company considers both “1x1” and “2x1” combined cycle configurations to be the best fit as they most align with historical operating experience and expected output relative to the overall Company’s needs.

4.5.4 Peaking Alternatives

Peaking generating sources provide needed capacity during extreme high-use peaking periods and/or periods in which significant shifts in the load (or supply) curve dictate the need for “quick-response” capability. The peaks occur for only a few hours each year and the installed reserve requirement is predicated on a one day in ten-year loss of load expectation, so the capacity dedicated to serving this reliability function can be expected to provide relatively little energy over an annual load cycle. As a result, fuel efficiency and other variable costs applicable to these resources are of lesser concern. Rather, this capacity should be obtained at the lowest practical installed/fixed cost, despite the fact that such capacity often has very high energy costs. Ultimately, such “peaking” resource requirements are manifested in the system load duration curve.

In addition, in certain situations, peaking capacity such as combustion turbines can provide backup and some have the ability to provide emergency, Black Start, capability to the grid.

4.5.4.1 Simple Cycle Natural Gas Combustion Turbines (NGCT)

In “industrial” or “frame-type” Combustion Turbine (CT) systems, air compressed by an axial compressor is mixed with fuel and burned in a combustion chamber. The resulting hot gas



then expands and cools while passing through a turbine. The rotating rear turbine not only runs the axial compressor in the front section but also provides rotating shaft power to drive an electric generator. The exhaust from a combustion turbine can range in temperature between 800 and 1,150 degrees Fahrenheit and contains substantial thermal energy. A CT system is one in which the exhaust from the gas turbine is vented to the atmosphere and its energy lost, *i.e.*, not recovered as in a combined-cycle design. While not as efficient (at 30-35% Lower Heating Value), they are inexpensive to purchase, simple to operate and exhibit short startup times.

4.5.4.2 Aero derivatives (AD)

Aero derivatives (AD) are aircraft jet engines used in ground installations for power generation. They are smaller in size, lighter weight, and can start and stop quicker than their larger industrial or "frame" counterparts. For example, the GE 7E frame CT machine requires 20 to 30 minutes to ramp up to full load while the smaller LM6000 AD only needs 10 minutes from start to full load. However, the cost per kW of an AD is considerably higher than a frame machine.

The AD performance operating characteristics of rapid startup and shutdown make the AD well suited to peaking generation needs. ADs can operate at full load for a small percentage of the time allowing for multiple daily startups to meet peak demands, compared to frame machines which are more commonly expected to start up once per day and operate at continuous full load for 10 to 16 hours per day. The cycling capabilities provide ADs the ability to backup variable renewables such as solar and wind. This operating characteristic is expected to become more valuable over time as: A) the penetration of variable renewables increases; B) base-load generation processes become more complex limiting their ability to load-follow and; C) more intermediate coal-fueled generating units are retired from commercial service.

AD units weigh less than their industrial counterparts allowing for skid or modular installations. Efficiency is also a consideration in choosing an AD over an industrial turbine. AD



units less than 100 MW are generally more efficient (lower heat rates) in simple cycle operation than industrial units of equivalent size. Exhaust gas temperatures are lower in AD units.

4.5.4.3 Reciprocating Engines (RE)

The use of Reciprocating Engines (RE) or internal combustion engines has increased over the last twenty years. According to EPRI, in 1993 about 5% of the total RE units sold were natural gas-fired spark ignition engines and post 2000 sales of natural gas-fired generators have remained above 10% of total units sold worldwide.

Improvements in emission control systems and thermal efficiency have led to the increased utilization of natural gas-fired RE generators incorporated into multi-unit power generation stations for main grid applications. RE generators' high efficiency, flat heat rate curves and rapid response make this technology very well suited for peaking and intermediate load service and as back up to intermittent generating resources. Compared to AD units, RE generators generally have shorter start-time durations. Additionally, the fuel supply pressure required is in the range of 40 to 85 psig; this lower gas pressure gives this technology more flexibility when identifying locations. A further advantage of RE generators is that power output is less affected by increasing elevation and ambient temperature as compared to gas turbine technology. Also, a RE plant generally would consist of multiple units, which will be more efficient at part load operation than a single gas turbine unit of equivalent size because of the ability to shut down units and to operate the remaining units at higher load. Common RE unit sizes have generally ranged from 8 MW to 18 MW per machine with heat rates in the range of 8,100 to 8,600 Btu/kWh (Higher Heating Value).

Regarding operating cost, RE generators have a somewhat greater variable O&M than a comparable gas turbine; however, over the long term, maintenance costs of REs are generally lower because the operating hours between major maintenance can be twice as long as gas turbines of similar size.



4.5.4.4 Battery Storage

The modeling of Battery Storage as a Peaking resource option is becoming a more common occurrence in IRPs. In recent years, Lithium-ion battery technology has emerged as the fastest growing platform for stationary storage applications. The Battery Storage resource that was modeled in this IRP is a Lithium-ion storage technology with a nameplate rating of 10 MW and 40 MWh and an efficiency of 83%. See Figure 27 for the forecasted installed cost of this resource. To develop this resource, AEP’s Generation Engineering Services considered a wide range of sources including: the DOE/EPRI 2015 Electricity Storage Handbook in Collaboration with the National Rural Electric Cooperative Association (NRECA), EPRI, BNEF and battery storage equipment suppliers. The storage resource characteristics and cost were updated in early 2019.

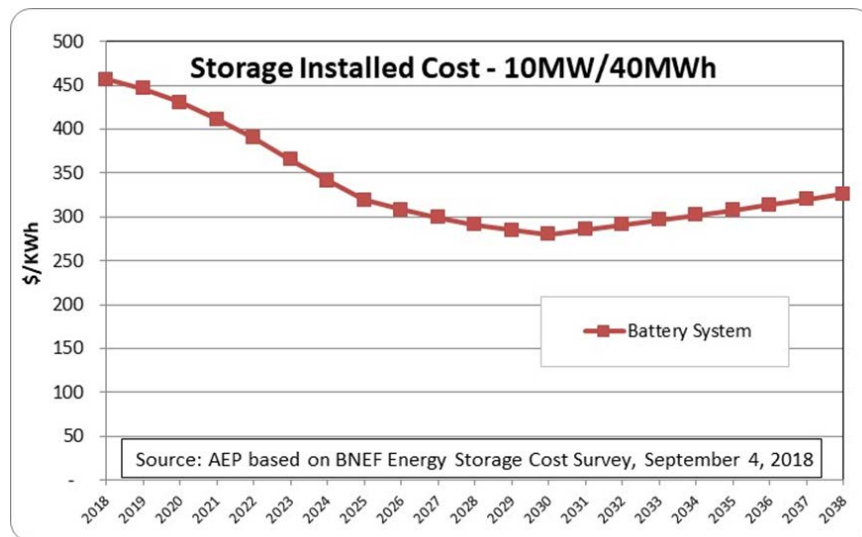


Figure 27. Energy Storage Installed Cost

4.5.5 Short-Term Market Purchase (STMP)

Short-Term Market Purchase alternative resources were made available to the model for selection during the development of the optimal plans. This resource is assumed to have no energy associated with it, a contract term of one year and 1,000 MW can be added annually. The pricing



of these purchases is based on the PJM Capacity Prices shown in Figure 28. The purpose of adding this resource was to allow the model an option to include a short-term capacity commitment as opposed to building a long-term capacity resource. This resource is available in the model through 2024. At this time, due to the Company’s understanding of the availability of third-party capacity purchases it is appropriate to limit the availability of this resource through 2024. Through the resources acquisition process, the Company may discover this type of resource is available for longer-terms than assumed in this IRP and those options will be evaluated at that time.

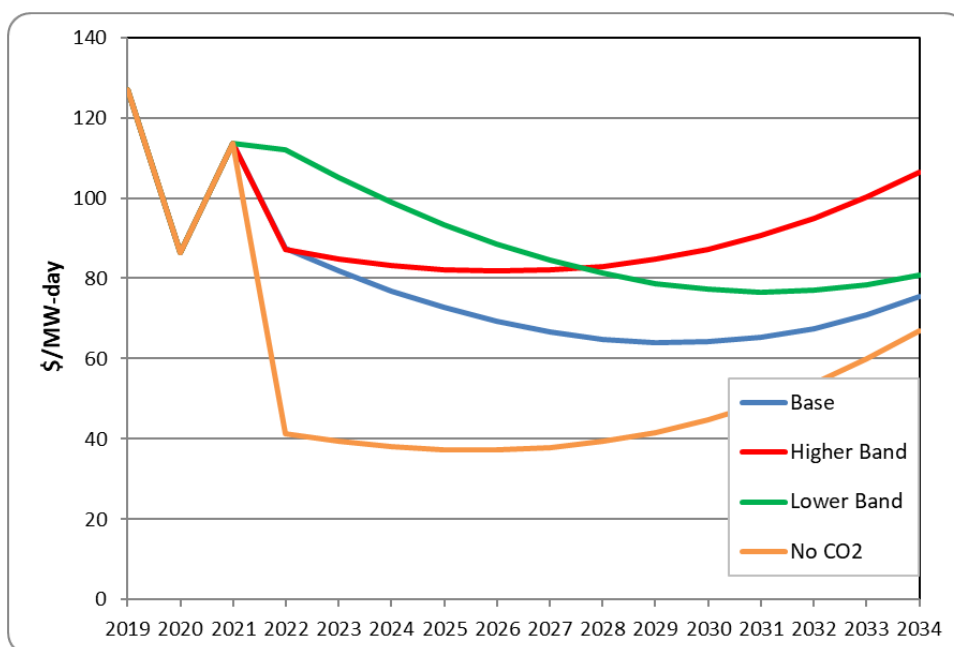


Figure 28. PJM Capacity Prices (Nominal \$/MW-Day)

4.5.6 Renewable Options

Renewable generation alternatives use energy sources that are either naturally occurring (wind, solar, hydro or geothermal), or are sourced from a by-product or waste-product of another process (biomass or landfill gas). In the recent past, development of these resources has been driven primarily by renewable portfolio requirements. That is not universally true now as



advancements in both solar photovoltaics and wind turbine manufacturing have reduced both installed and ongoing costs.

At this time within the industry, renewable energy resources, because of their intermittent nature, provide more energy value than capacity value. For this IRP, the overall threshold for intermittent resource additions, 30% of Kentucky Power’s energy demand for wind and 15% for solar. This assumes that the RTO and other key stakeholders will advance the understanding, forecasting and management of intermittent resources, ultimately supporting a higher penetration level and capacity planning values.

4.5.6.1 Solar

4.5.6.1.1 Large-Scale Solar

Solar power comes in two forms to produce electricity: concentrating solar and photovoltaic. Concentrating solar — which heats a working fluid to temperatures sufficient to generate steam to power a turbine — produces electricity on a large scale and is similar to traditional centralized supply assets in that respect. Photovoltaics can more easily be distributed throughout the grid and are a scalable resource that, for example, can be as small as a few kilowatts or as large as 500 MW. This IRP assumes its solar resources will be photovoltaic.

The cost of large-, or utility-scale, solar projects has declined in recent years and is expected to continue to decline through 2023 (see Figure 29 below). This has been mostly a result of reduced panel prices that have resulted from manufacturing efficiencies spurred by accelerating penetration of solar energy in Europe, Japan, and California. With the trend firmly established, forecasts generally foresee declining nominal prices in the next decade as well, notwithstanding solar panel tariffs, which from an IRP perspective are regarded as a short-term impact.

Large-scale solar plants require less lead time to build than fossil plants. There is no defined limit for how much utility solar can be built in a given time. However, in practice, solar facilities



are not added without considering the timing impacts of obtaining siting and regulatory approval, for example.

Solar resources were made available in the *Plexos*[®] model with some limits on the rate with which they could be chosen. In the IRP modeling, the assumption was made that large-scale solar resources were available in yearly quantities up to 304 MW¹⁶ of nameplate capacity starting in 2022. A limit on solar capacity additions is needed because as solar costs continue to decrease relative to the market price of energy there will come a point where the optimization model will theoretically pick an unlimited amount of solar resources. Additionally, this 304 MW annual threshold recognizes that there is a practical limit as to the number of sites that can be identified, permitted, constructed, and interconnected by Kentucky Power in a given year. For example, the land requirement to develop a 1 MW solar plant is estimated to be 7 acres, implying that 700 acres of land would be required to develop 100 MW of solar annually. Over the planning period, the maximum threshold for solar resource additions was limited to approximately 15% of Kentucky Power's load obligation or 455 MW. Certainly, as Kentucky Power gains experience with solar installations, this limit would likely be modified accordingly (for example, it may be lower earlier and greater later).

Solar resources were available in two tiers. Both pricing tiers are adjusted annually based on the change in BNEF's utility scale solar installed cost through 2030 and then escalated at 1% annually. Both tiers of solar resources were available in blocks of 152 MW, which is comprised of three 50.6 MW installations and totals 304 MW annually. Additionally, both tiers of solar resources were modeled with capacity factors of approximately 24%, which is representative of a tracking solar resource located in Jackson, Kentucky.

¹⁶ Manufacturers usually quote system performance in DC watts; however electric service from the utility is supplied in AC watts. An inverter converts the DC electrical current into AC electrical current. Depending on the inverter efficiency, the AC wattage may be anywhere from 80 to 95 percent of the DC wattage.



Figure 29, below, illustrates the projected large-scale solar pricing included in the IRP model. Both tiers account for the availability of Federal ITCs. The large-scale solar pricing used in this IRP reflects a normalized treatment of the ITC, as well as a four-year safe harbor factor in ITC pricing. This safe harbor factor allows projects to lock in ITC benefits four years prior to commercial operation, as long as construction has been commenced. The ITC benefit is included through 2030. At this point in time, the 10% ITC benefit would become indiscernible from potential variations in forecasted prices. Solar resources are modeled with a 51.1% capacity credit, which is based on PJM’s expected long-term performance of the resource.

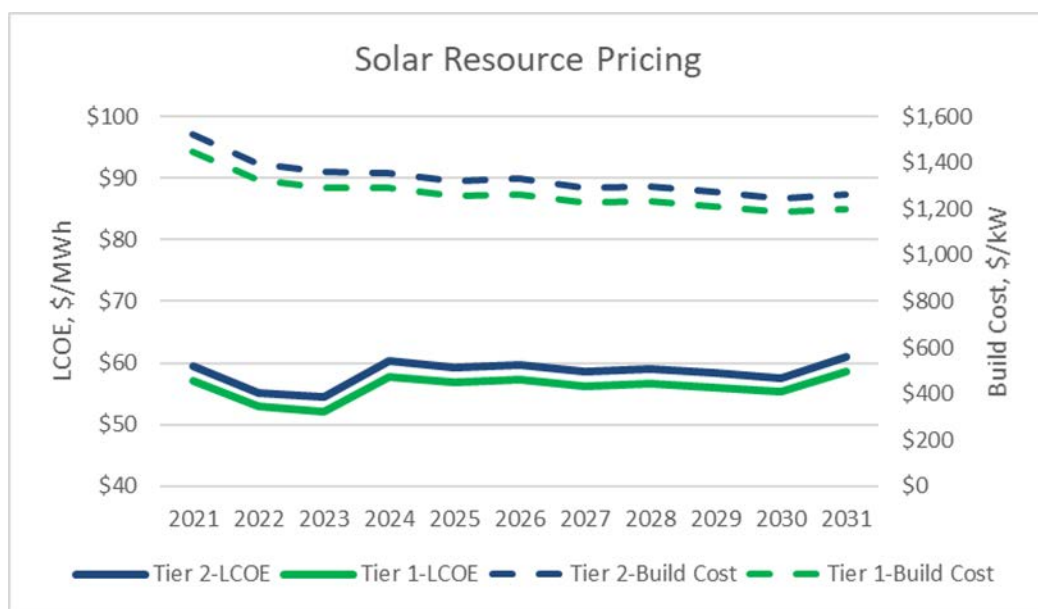


Figure 29. Large-Scale Solar Pricing Tiers with Investment Tax Credits

4.5.6.1.2 Trends in Solar Energy Pricing

As mentioned above, solar energy prices have declined significantly in recent years as shown below in Figure 30. From 2015 to 2018, installation costs have declined by more than 50% for residential, commercial, and large-scale solar. Further, large-scale solar has been, and is projected to be, substantially lower in cost compared to other sectors, with large-scale installations



costing 50% and 30% less than residential and commercial installations, respectively, based on 2019 costs.

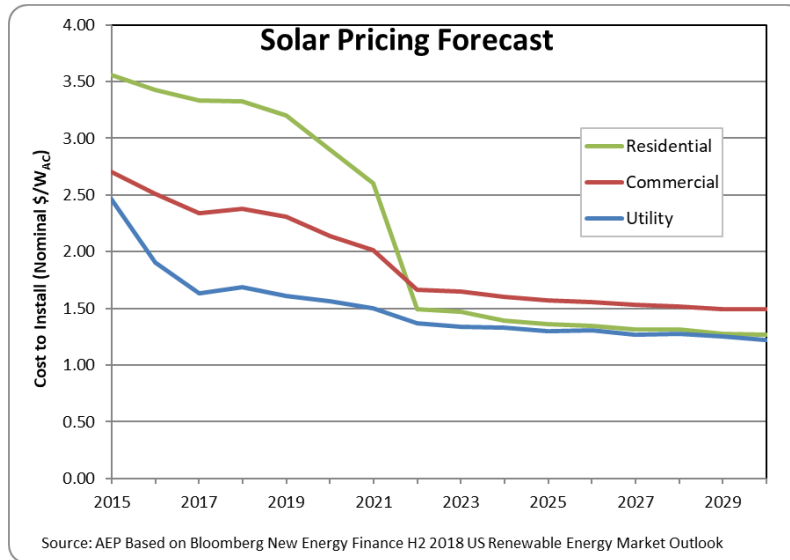


Figure 30. U.S. Average Solar Photovoltaic (PV) Installation Cost (Nominal \$/W_{AC}) Trends, excluding Investment Tax Credit Benefits

4.5.6.2 Wind

Large-scale wind energy is generated by turbines ranging from 1.0 to 3.2 MW. Typically, multiple wind turbines are grouped in rows or grids to develop a wind turbine power project which requires only a single connection to the transmission system. Location of wind turbines at the proper site is particularly critical as not only does the wind resource vary by geography, but also its proximity to a transmission system with available capacity, which will factor into the cost.

A variable source of power in most non-coastal locales, with capacity factors ranging from 30% (in the eastern portion of the U.S.) to over 50% (largely in more westerly portions of the U.S., including the Plains states), wind energy’s life-cycle cost (\$/MWh), excluding subsidies, is currently higher than the marginal (avoided) cost of energy, in spite of its negligible operating costs.



Another consideration with wind power is that its most critical factors (*i.e.*, wind speed and sustainability) are typically highest in more remote locations, which forces the electricity to be transmitted longer distances to load centers necessitating the build out of EHV transmission to optimally integrate large additions of wind into the grid.

For modeling purposes, wind resources are first made available to the model in 2023 (*i.e.*, commercial operation date 12/31/22), due to the amount of time necessary to secure resources and obtain any necessary regulatory approvals. Figure 31 shows the LCOE prices of two wind resource tranches assumed for the IRP. The first tranche of wind resources, Tranche A, was modeled as a 100 MW resource block with a 37% capacity factor load shape. The second tranche of wind resources, Tranche B, was modeled as a 100 MW resource block with a 35% capacity factor load shape. Wind resources capacity credit for capacity planning purposes is based on PJM's analysis and is assumed to be 12.3% of nameplate.¹⁷ The wind pricing reflects the value of Federal Production Tax Credits (PTCs). After 2020, tax credits reduce to 80%, 60% and 40% of their 2020 value in 2021, 2022, and 2023, respectively. These PTC values are based on developers taking advantage of the safe-harbor guidelines, which provide up to a four-year delay in the effects of declining tax credits as long as adequate construction has commenced. Wind prices were developed based on the Bloomberg New Energy Finance H2 2018 U.S. Renewable Energy Market Outlook and market knowledge.

The amount of wind resources available beginning in 2023 was limited to 200 MW nameplate annually through the remainder of the planning period. In total, wind resources were limited to 600 MW nameplate over the planning period. The annual limit on wind additions is based on Kentucky Power's ability to plan, manage and develop either the construction or the procurement of these resources. As with solar resource additions, as Kentucky Power gains

¹⁷ PJM "Effective Load Carrying Capability (ELCC) Analysis for Wind and Solar Resources", February 7, 2019.



experience with wind installations, this limit would likely be modified (for example, it may be lower earlier and greater later). This cap is based on the DOE’s Wind Vision Report¹⁸ which suggests from numerous transmission studies that transmission grids should be able to support 20% to 30% of intermittent resources in the 2020 to 2030 timeframe. The cap for Kentucky Power allows the model to select up to 30% of generation energy resources as wind-powered by 2040.

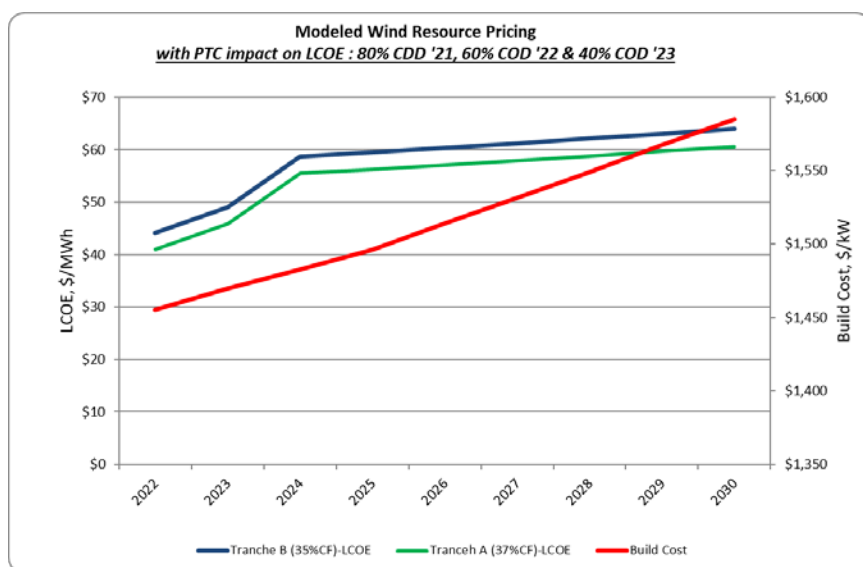


Figure 31. Levelized Cost of Electricity (LCOE) of Wind Resources (Nominal \$/MWh)

4.5.6.3 Hydro

The available sources of, particularly, larger hydroelectric potential have largely been exploited and those that remain must compete with the other uses, including recreation and navigation. The potentially lengthy time associated with environmental studies, Federal Army Corp of Engineer permitting, high up-front construction costs, and environmental issues (fish and

¹⁸ *Wind Vision: A New Era for Wind Power in the United States* (2015). Retrieved from <http://www1.eere.energy.gov/library/default.aspx?Page=12>, Figure 1-5.



wildlife) make new hydro prohibitive at this time. As such, no incremental hydroelectric resources were considered in this IRP.

4.5.6.4 Biomass

Biomass is a term that typically includes organic waste products (sawdust or other wood waste), organic crops (corn, switchgrass, poplar trees, willow trees, etc.), or biogas produced from organic materials, as well as select other materials. Biomass costs will vary significantly depending upon the feedstock. Biomass is typically used in power generation to fuel a steam generator (boiler) that subsequently drives a steam turbine generator; similar to the same process of many traditional coal-fired generation units. Some biomass generation facilities use biomass as the primary fuel; however, there are some existing coal-fired generating stations that will use biomass as a blend with the coal. Given these factors, plus the typical high cost and required feedstock supply and attendant long-term pricing issues, no incremental biomass resources were considered in this IRP.

4.6 Integration of Supply-Side and Demand-Side Options within *Plexos*® Modeling

Each supply-side and demand-side resource is offered into the *Plexos*® model on an equivalent basis. Each resource has specific values for capacity, energy production (or savings), and cost. The *Plexos*® model selects resources in order to reduce the overall portfolio cost, regardless of whether the resource is on the supply- or demand-side, and regardless of whether or not there is an absolute capacity need. In other words, the model selects resources that lower costs to customers.

4.6.1 Optimization of Expanded DSM Programs

As described in Section 4.4.3, EE and VVO options that would be incremental to the current programs were modeled as resources within *Plexos*®. In this regard, they are “demand-side power plants” that produce energy according to their end-use load shape. EE resources have an initial



(program) cost with *no* subsequent annual operating costs. Both EE and VVO resources are “retired” at the end of their useful lives.

4.6.2 Optimization of Other Demand-Side Resources

Reductions in energy use and peak demand were built into the load forecast based on the adoption rates. CHP was modeled as a high thermal efficiency NGCC facility.

4.7 KPSC Staff Supply-Side Modeling Recommendations Addressed

In its report on Kentucky Power’s 2016 Integrated Resource Plan the Commission Staff recommended that the Company address certain items in its next IRP report (this report). The following items pertaining to Supply-Side Modeling are restated from the Staff report and addressed below:

- 1. Provide a status report of Kentucky Power's implementation and operation with respect to the CP requirements in PJM and any impacts related thereto.**

As required by PJM, starting in June 1, 2019, Kentucky Power began transitioning to the CP requirements. Starting June 1, 2020, Kentucky Power will meet the 100% CP requirements mandated by PJM for all entities. The impact here is the higher potential charges for non-performance when there is a non-performance by a Kentucky Power unit during a PJM declared emergency.

- 2. Include a discussion of the status of, and any changes or modifications that are under consideration for the PCA, and potential impacts to Kentucky Power.**

See Section 1.4, where this has been addressed.

- 3. In Kentucky Power's modeling for supply-side resources, provide models that include and exclude the Rockport units, including all environmental costs for the model that includes the UPA throughout the planning period, and a comparison of the results.**



This IRP assumes the Rockport UPA will expire and not be renewed.

4. Provide current specific discussions on pending renewable generation sought by Kentucky Power in its system, or by coordination with other utilities.

The Company is in discussions to add approximately 20 MW of solar resources. This resource was included in the Company’s “Going-In Position” and is reflected in all scenarios presented in this IRP. The current expected in-service date for this resource is the end-of-year 2021.

5. Discuss the status of cogeneration and CHP opportunities in its service territory and the consideration given to cogeneration and CHP in the resource plan.

Although there are no active cogeneration and CHP projects underway, Kentucky Power remains open to looking at these opportunities with customers that are interested in exploring them.

6. Identify and describe currently installed net metering systems.

See Section 3.4.4.1.

7. Provide additional specific discussions of the improvements and more efficient utilization of generation, transmission and distribution facilities as required by 807 KAR 5:058 Section 8(2)(a).

See Sections 3.1, 3.5 and 3.6, where issue has been addressed.

8. Discuss system reliability and the criteria used to determine appropriate summer and winter reserve margins. Identify the capacity margin required by PJM and how it correlates to the reserve margin Kentucky Power used prior to its RTO membership.

Refer to section 3.2.

9. In addition to describing how Kentucky Power is addressing current and pending environmental regulations and anticipated new regulations and legislation, the next



IRP should address the expected impact and changes on the costs and operations of Kentucky Power from these environmental regulations and/or legislation.

Refer to section 3.3. Additionally, with regard to environmental regulations, this IRP considers the potential cost associated with some form of future regulation of carbon emissions, during the planning period, even though there is considerable uncertainty as to the timing and form future carbon regulation may take.

10. Discuss how Kentucky Power has addressed uncertainty in modeling future load and the resources to meet that load.

See Sections 2.4 and 5.1, where this has been addressed.



5.0 Resource Portfolio Modeling

5.1 The *Plexos*[®] Model - An Overview

Plexos[®] LP long-term optimization model, also known as “LT Plan[®],” served as the basis from which the Kentucky Power-specific capacity requirement evaluations were examined and recommendations were made. The LT Plan[®] model finds the optimal portfolio of future capacity and energy resources, including DSM additions, which minimizes the CPW of a planning entity’s generation-related variable and fixed costs over a long-term planning horizon. By minimizing CPW, the model will provide optimized portfolios with the lowest and most stable customer rates, while adhering to the Company’s constraints. Low, stable rates benefit the entire region by attracting new commercial and industrial customers, and retaining/expanding existing load.

Plexos[®] accomplishes this by using an objective function that seeks to minimize the aggregate of the following capital and production-related (energy) costs of the portfolio of resources:

- Fixed costs of capacity additions, *i.e.*, carrying charges on incremental capacity additions (based on a Kentucky Power-specific, weighted average cost of capital), and fixed Operation & Maintenance (O&M);
 - fixed costs of any capacity purchases;
 - program costs of (incremental) DSM alternatives;
 - variable costs associated with Kentucky Power generating units. This includes fuel, start-up, consumables, market replacement cost of emission allowances, and/or carbon ‘tax,’ and variable O&M costs;
 - distributed, or customer-domiciled, resources which were effectively valued at the equivalent of a full-retail “net metering” credit to those customers; and
 - a ‘netting’ of the production revenue earned in the PJM power market from Kentucky Power’s generation resource sales *and* the cost of energy – based on
-



unique load shapes from PJM purchases necessary to meet Kentucky Power’s load obligation.

Plexos[®] executes the objective function described above while abiding by the following possible constraints:

- Minimum and maximum reserve margins;
- resource additions (*i.e.*, maximum units built);
- age and lifetime of power generation facilities;
- operation constraints such as ramp rates, minimum up/down times, capacity, heat rates, etc.;
- fuel burn minimum and maximums;
- emission limits on effluents such as SO₂ and NO_x; and
- purchased power contract parameters such as energy and capacity.

The model inputs that comprise the objective function and constraints are considered in the development of an integrated plan that best fits the utility system being analyzed. *Plexos*[®] does not develop a full regulatory Cost-of-Service (COS) profile. Rather, it typically considers only the relative load and generation COS that changes from plan-to-plan, and not fixed “embedded” costs associated with existing generating capacity and demand-side programs that would remain constant under any scenario. Likewise, transmission costs are included only to the extent that they are associated with new generating capacity, or are linked to specific supply alternatives. In other words, generic (nondescript or non-site-specific) capacity resource modeling would typically not incorporate significant capital expenditures for transmission interconnection costs.

5.1.1 Key Input Parameters

Two of the major underpinnings in this IRP are long-term forecasts of Kentucky Power’s energy requirements and peak demand, as well as the price of various generation-related commodities, including energy, capacity, coal, natural gas and, potentially, CO₂/carbon. Both



forecasts were created internally within AEPSC. The load forecast was created by the AEPSC Economic Forecasting organization, while the long-term commodity pricing forecast was created by the AEPSC Fundamentals Analysis group. These groups have many years of experience forecasting Kentucky Power and AEP system-wide demand and energy requirements and fundamentals pricing for both internal operational and regulatory purposes. Moreover, the Fundamentals Analysis group constantly performs peer review by way of comparing and contrasting its commodity pricing projections versus “consensus” pricing on the part of outside forecasting entities such as IHS-Cambridge Energy Research Associates (CERA), Petroleum Industry Research Associates (PIRA) and the EIA.

Another key input parameter is the PJM capacity reserve margin. The PJM capacity reserve margin, combined with Kentucky Power’s forecasted demand, set the limit for the minimum capacity required to maintain service reliability within the region. Each of the scenarios modeled below are optimized while adhering to this constraint. This ensures that each of the scenarios considered will result in an acceptable amount of generation available to Kentucky Power customers.

With regard to environmental regulations, this IRP considers the potential cost associated with some form of future regulation of carbon emissions, during the planning period, even though there is considerable uncertainty as to the timing and form future carbon regulation may take.

Additional critical input parameters include the installed cost of replacement capacity alternative options, as well as the attendant operating costs associated with those options. This data came from the AEPSC Engineering Services organization.



5.2 *Plexos*[®] Optimization

5.2.1 Modeling Options and Constraints

The major system parameters that were modeled are elaborated on below. The *Plexos* LT Plan[®] models these parameters in tandem with the objective function in order to yield the least-cost resource plan.

There are many variants of available supply-side and demand-side resource options and types. As a practical limitation, not all known resource types are made available as modeling options. A screening of available supply-side technologies was performed with the optimum assets made subsequently available as options. Such screens for supply alternatives were performed for baseload, intermediate, and peaking duty cycles.

The selected technology alternatives from this screening process do not necessarily represent the optimum technology choice for that duty-cycle family. Rather, they reflect proxies for modeling purposes. Other factors which will determine the ultimate technology type (*e.g.*, choices for peaking technologies) are taken into consideration.

Based on the established comparative economic screenings, the following specific supply alternatives were included as resource options in *Plexos*[®] for each designated duty cycle:

- *Peaking* capacity was modeled, effective in 2023 due to the anticipated period required to approve, site, engineer and construct, from:
 - A 50% share of 2 CT units consisting of “F” class turbines with evaporative coolers, rated at 500 MW total at summer conditions.
 - AD units consisting of 2 aeroderivative turbines at 122 MW total at summer conditions.
 - RICE units consisting of 12 reciprocating engines rated at 220 MW total at summer conditions.
 - Battery Storage units available in 10 MW blocks per year.



-
- *Intermediate-Baseload* capacity was modeled, effective in 2024 due to anticipated period required to approve, site, engineer and construct, from:
 - A 25% share of a NGCC (2x1 “J” class turbines with duct firing and evaporative inlet air cooling) facility, rated at 1,600 MW at summer conditions. The 25% interest assumes Kentucky Power coordinates the addition of this resource with other parties.
 - Wind resources were made available up to 200 MW annually beginning in 2023 (commercial operation date 12/31/22). One 100 MW unit of each Tranche A and B was available each year. Tranche A has an LCOE of \$45.93/MWh, in 2023 with the PTC. Tranche B has an LCOE of \$49.06/MWh, in 2023 with the PTC. Wind resources are assumed to have a PJM capacity value equal to 12.3% of nameplate rating.
 - Large-scale solar resources were made available in two tiers, with up to 152 MW of each tier available each year beginning in 2022, for a total of up to 304 MW annually. Initial costs for Tier 1 were approximately \$52.96/MWh in 2022 with the ITC. Tier 2 has an initial cost of approximately \$55.24/MWh in 2022 with the ITC. Solar resources have an assumed PJM capacity value equal to 51.1% of nameplate rating.
 - DG, in the form of distributed solar resources, was included in all portfolios in amounts that equate to a compound annual growth rate (CAGR) of 19.8% over the planning period.
 - CHP resources were made available in 15 MW (nameplate) blocks, with an overnight installed cost of \$2,300/kW and assuming full host compensation for thermal energy for an effective full load heat rate of ~4,800 Btu/kWh.
 - EE resources—incremental to those already incorporated into the Company’s long-term load and peak demand forecast in up to 20 unique “bundles” of
-



- Residential and Commercial measures considering cost and performance parameters for both HAP and AP categories are available in 2022.
- VVO was available in eight tranches of varying installed costs and number of circuits/sizes ranging from a low of 0.6 MW up to 3.9 MW of demand savings potential.
 - Demand Response (DR) resources were made available for Residential and Commercial customers in 2022.
 - Short-Term Market Purchase for capacity resources were made available to the model for selection during the development of the various optimal plans. These short-term capacity purchases have no energy associated with them, a contract term of one year, and no more than 1,000 MW was allowed to be added annually. The pricing of these purchases was based on the PJM Capacity Prices shown in Figure 22. The purpose of this resource is to provide capacity to assist in meeting the PJM reserve margin requirement during the initial 5 years of the planning period.

5.2.2 Traditional Optimization Scenarios

The optimized portfolios derived from the Company's modeling efforts provide Kentucky Power with options to meet its capacity requirements during the planning period. Portfolios with various options addressing Kentucky Power's capacity and energy resource needs over time were optimized under various commodity price and load conditions. In order to bound Kentucky Power's resource selection across varying commodity price and load conditions, six traditional scenarios were analyzed for this IRP (Table 14). The resource portfolios discussed below for these scenarios represent incremental resources that are in addition to those currently in-service.



Table 14. Traditional Scenarios/Portfolios

Group	Case	Scenarios	Commodity Pricing Conditions	Load Forecast Assumptions
Commodity Pricing Scenarios	1	Base Case	Base	Base
	2	High Commodity Price Case	High	Base
	3	Low commodity Price Case	Low	Base
	4	No Carbon	No Carbon	Base
Load Scenarios	5	Low Load Case	Base	Low
	6	High Load case	Base	High

5.2.2.1 Optimized Portfolios for Commodity Pricing Scenarios

Figure 32 below show the capacity additions associated with the Base, Low Band, High Band and No Carbon commodity pricing scenarios. A table of the illustrated values can be found in Exhibit E1. Recall from Section 4.3.1 that the modeling associated with the Base, Low Band, and High Band scenarios assumed a CO₂ dispatch burden, or allowance value, equal to \$15/ton commencing in 2028 and escalating at 3.5% per annum thereafter on a nominal dollar basis. The No Carbon scenario does not include a CO₂ dispatch burden. The main objective in creating this suite of portfolios is to observe the varying resource selection by type, timing and amount without specifying the resources that must be selected. The lowest cost optimal plan under the base pricing scenario is Case 1 or The Base case. Case 1 is the benchmark to compare to the cost of other cases that include forced resource constraints or additions.

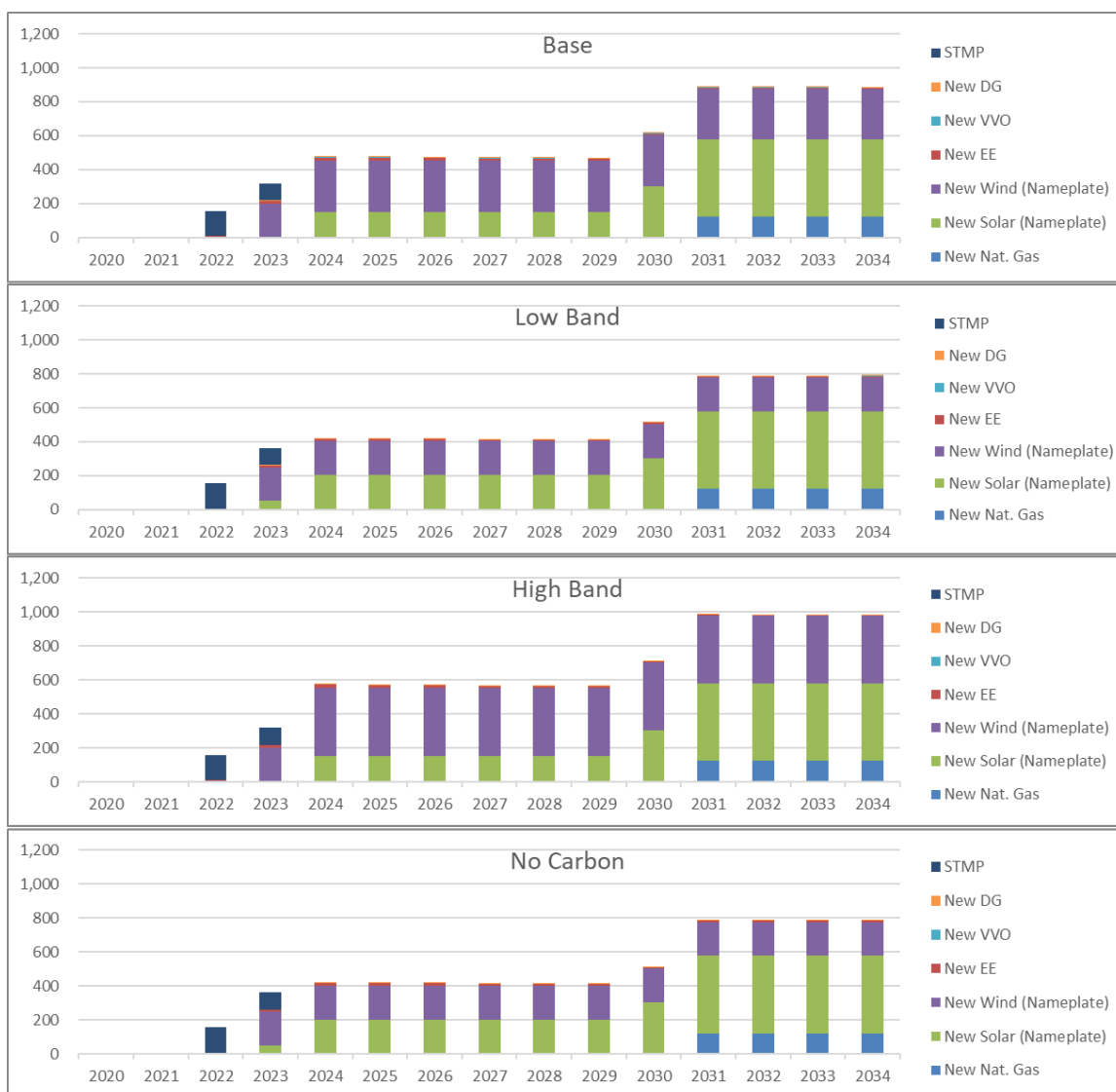


Figure 32. Cumulative PJM Capacity (Nameplate) Additions (MW) for Commodity Pricing Scenarios

The optimized portfolios developed under the four pricing scenarios include similar resource additions, such as:

- Reliance on STMP of 150 MW in 2022 and 100 MW in 2023;
- Addition of 200 MW (nameplate) of Wind resources beginning in 2023;



- Addition of at least 150 MW (nameplate) of Solar resources by 2024, increasing to 455 MW (nameplate) by 2034;
- Energy Efficiency was selected in all cases and VVO was selected in all but the High Band case; and
- Addition of 122 MW Aero-derivative Natural Gas unit in 2031.

Figure 33 shows the associated CPW costs over 5 year intervals for the 15-year planning period as well as the total utility costs over the full 30-year study period for the scenarios. The analysis provided insight to the cost impact of the different commodity pricing conditions over the 30-year study period as well as the incremental periods. The results align with the Company’s expectations based on the Fundamentals Commodity market pricing forecast differences. For example, Case 4, a No Carbon pricing future, results in the lowest cost plan; whereas, Case 2, a High growth and Carbon pricing future, results in the highest cost plan. The CPW cost comparisons over the 5-year sub-periods provide the Company insight into the “shorter” term plan/resource costs versus the 30-year study period plan/resource costs.

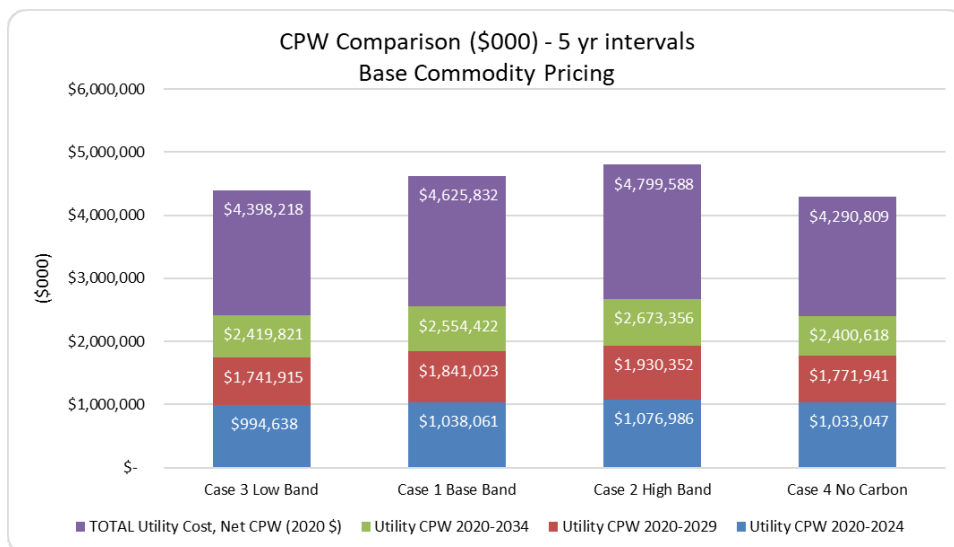


Figure 33. Load Forecast Scenarios CPW Comparison - 5 Yr Intervals

5.2.2.2 Optimized Portfolios of Load Scenarios

Figure 34 below shows the capacity additions associated with the Low Load and High Load sensitivity scenarios, using Base commodity prices. A table of the illustrated values can be found in Exhibit E1.



Figure 34. Cumulative PJM Capacity (Nameplate) Additions (MW) for Low Load and High Load Sensitivity Scenarios

As expected, the overall capacity additions in the High Load scenario are naturally greater than those in the Low Load scenario. Similar to the Commodity Pricing scenarios, the model selected STMP in 2022 and 2023 along with selecting 200 MW of Wind resources in 2023. The High Load scenario calls for STMP in the earlier years and incorporates a natural gas aeroderivative resource for capacity by 2031. Additionally, the High Load scenario selected both wind and solar resources throughout the full 15-year planning period whereas the Low Load scenario would predominately rely on Wind resources during the first 10 years of the 15-year planning period before introducing more Solar resources. Both the High and Low load scenarios selected EE and only the Low load scenario included VVO.

The Company prepares these two analyses to compare the resource additions under these two varying load conditions with the base load conditions. The results show that under both a High and Low load conditions very similar resource additions are made to the Case 1 Base optimization



additions suggesting that it is reasonable to develop a Preferred Plan that includes these resource types.

5.2.2.3 IRP Optimization Scenarios

Table 15 describes scenarios developed to evaluate the introduction of specific resources during the planning period and their impact on resource selection and costs. In particular, these scenarios studied the impact of investing in thermal resources, which provide the Company somewhat of a “book-end” of associated resource additions and costs, if during the resource acquisition phase, resource availability and pricing varies from the assumptions in this IRP. Case 7 introduced a Combustion Turbine (CT) unit in 2023 while Case 8 introduced a Combined Cycle (CC) unit in 2024.

Table 15. IRP Scenarios

Group	Case	Scenarios	Commodity Pricing Conditions	Load Forecast Assumptions
IRP Scenarios	7	CT in 2023	Base	Base
	8	CC in 2024	Base	Base

Figure 35 illustrates the incremental resource additions to the Kentucky Power portfolio for these scenarios. The analysis of these scenarios showed a dynamic where wind resources are still selected, but solar resources delayed. The introduction of either a CT Unit or CC Unit satisfied the capacity requirements and provided a little higher reserve margin for the Company.

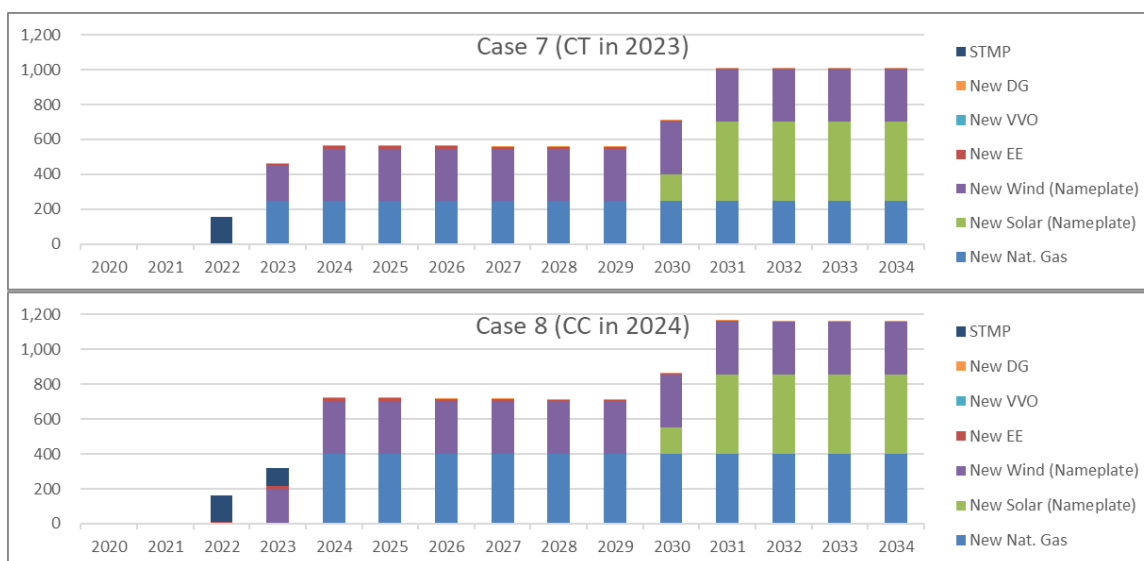


Figure 35. Cumulative PJM Capacity (Nameplate) Additions (MW) for IRP Scenarios

Figure 36 illustrates the respective CPW costs over 5 year intervals for the 15-year planning period as well as the total utility costs over the full 30-year study period. The analysis of both Cases 7 and 8 showed them as more costly to Kentucky Power than the Base optimization case. These cases, however, did provide insights toward meeting the Company’s capacity position, if the Company discovers STMP is not available at the prices modeled in this IRP. Furthermore, Case 8, the CC unit, provides the Company with both capacity and energy. Over the planning period, the CC unit’s average capacity factor is 58%.

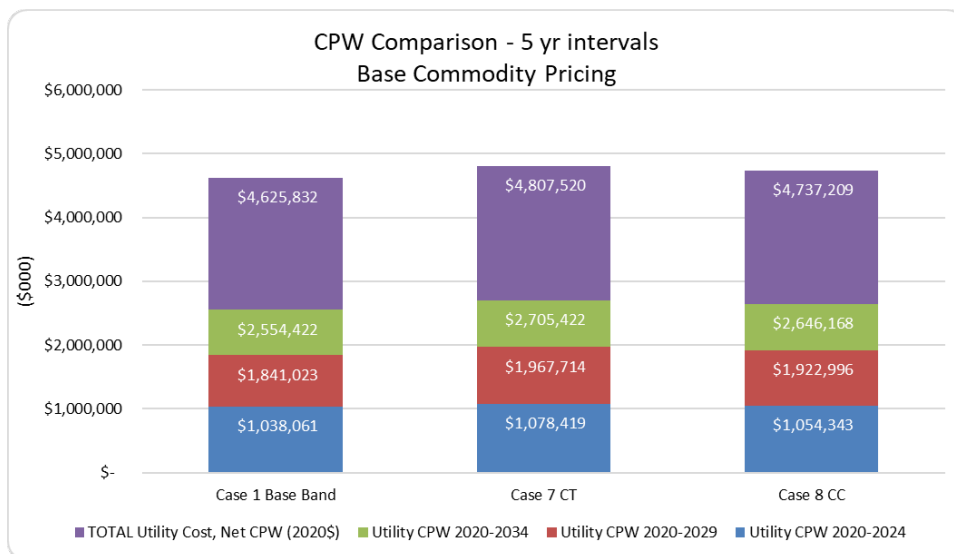


Figure 36. IRP Scenarios CPW Comparison - 5 Yr Intervals

5.2.2.4 Stakeholder Optimization Scenarios

Kentucky Power prepared and analyzed additional scenarios following feedback from a Technical Conference held with key stakeholders. Specifically, the Stakeholder scenarios evaluated proposed the use of a single resource through 2030 to meet capacity needs over the different commodity pricing conditions. Although the Company intended to develop all the Stakeholder scenarios as requested, for the Stakeholder scenario that required only Short-Term Market Capacity purchases (STMP) through 2030, the Company determined that the current pricing uncertainty in the PJM capacity market would call into question the results of this scenario. Instead, a scenario relying on STMP through 2024 was developed for comparison to other portfolios. Table 16 summarizes the Stakeholder scenarios evaluated.



Table 16. Stakeholder Optimization Scenarios

Group	Case	Scenarios	Commodity Pricing conditions	Load Forecast Assumptions
Stakeholder Scenarios	SH1	Only STMP through 2024	All Pricing Conditions	Base
	SH2	Wind & Solar resources only	All Pricing Conditions	Base
	SH3	CC in 2024	All Pricing Conditions	Base
	SH4	CT in 2023	All Pricing Conditions	Base

Figure 37 illustrates the incremental resource additions for these scenarios under the Base Commodity pricing condition. Resource additions for the other commodity pricing conditions can be found in Exhibit E1. The SH1 case resulted in the model selecting large-scale Solar resources in 2025 and 2030. After 2030, a mix of Solar, Wind and Aeroderivative resources were selected along with some EE and VVO resources. Similarly, the Solar + Wind scenario, SH2, also selected the Aeroderivative gas unit in 2031 to make up the needed additional capacity. In both the CT and CC only scenarios, unlike the SH1 and SH2 scenarios, the Aeroderivative gas unit was not selected, instead relying on more Solar resources to make up the needed additional capacity.

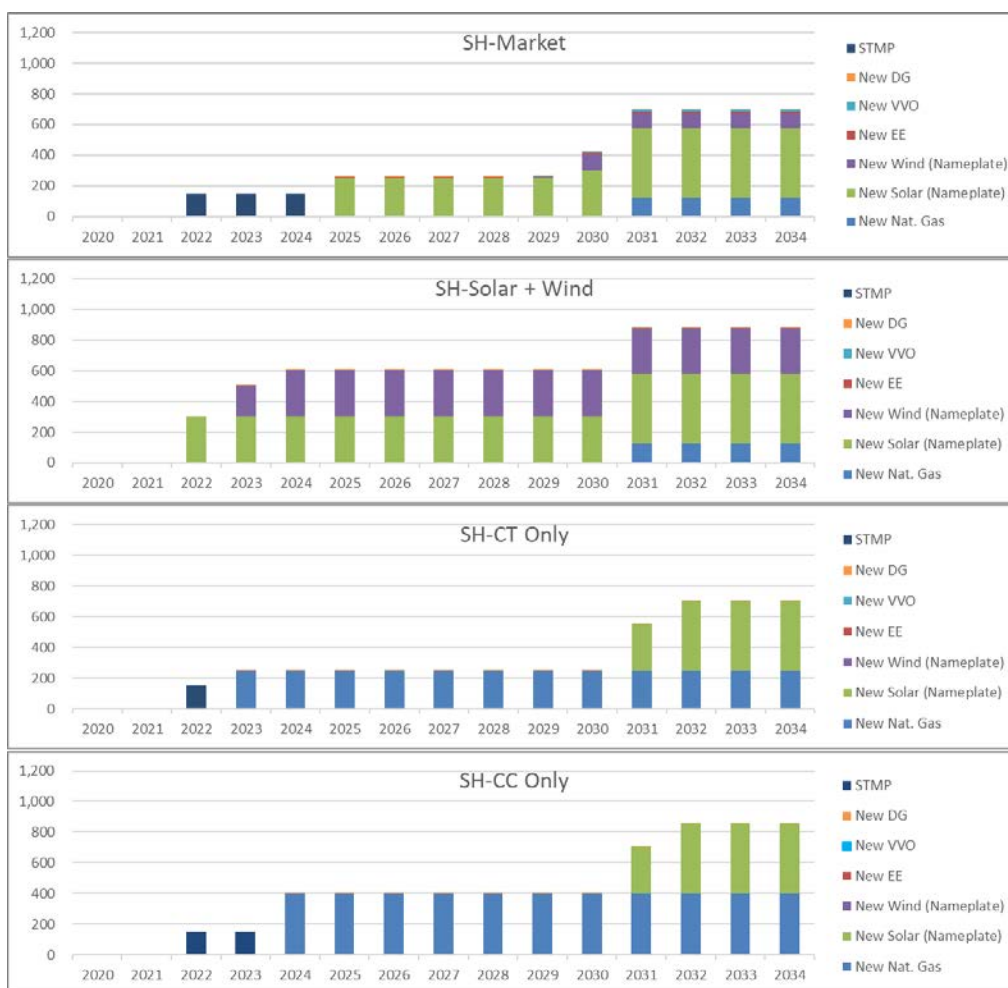


Figure 37. Cumulative PJM Capacity (Nameplate) Additions (MW) for Stakeholder Base Scenarios

Figure 38 illustrates the respective costs over 5-year intervals for the 15-year planning period as well as the total utility costs over the full 30-year study period for the different scenarios under the Base Commodity Pricing condition. The analysis did show that utilizing STMP through 2024 was the least costly of the stakeholder scenarios over the 15-year planning period; however, over the 30-year study period, the “Renewable Only” plan is the least costly. Note also, that the CC only and CT only scenarios are similar to Cases 7 and 8 described in the IRP Optimization Scenarios section 5.2.2.3 except that the Stakeholder cases exclude any renewable or DSM



resources. The costs for these two stakeholder plans ultimately are driven higher than the IRP Optimization Scenarios including the CC and CT due to the exclusion of renewable and DSM resources.

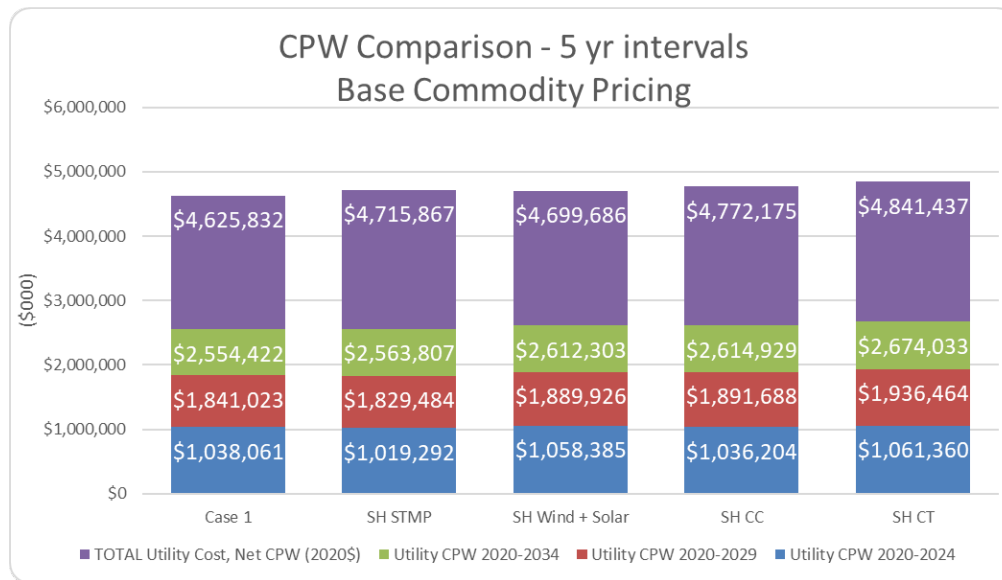


Figure 38. Stakeholder Base Optimization Scenarios Cumulative Present Worth (CPW)

The Stakeholder scenarios were also run under the High, Low and No Carbon commodity pricing conditions. The results of these scenarios are included in Exhibit E2. In summary, the High Commodity pricing comparative results were similar to the Base Commodity Pricing results described above. The Low and No Carbon commodity pricing results did show some additional lower costs for the SH STMP scenario through the first 15 years, but would be subject to risks related to the cost and availability of STMP resources.

5.3 Preferred Plan

Each of the six traditional optimization scenarios along with the stakeholder scenarios provides insight into a potential alternative mix of resources for the future, viewed through the lens of the information currently available. The insights learned from the analysis of these scenarios led to the development of Kentucky Power’s Preferred Plan for this IRP. Although the



evaluation of the optimization scenarios occurred over a 30-year study period, the cost analysis throughout the 15-year planning period where there is more certainty influenced the identification of the Preferred Plan. The result includes a plan that includes STMP while also adding solar resources in 2023, wind resources in 2028, DSM including both EE and VVO resources beginning in 2022, and an Aeroderivative unit in 2031.

The development of the Preferred Plan included the following considerations:

- Recognized a declining customer base and little retail sales growth through 2034.
- Recognized little growth of internal energy and a decline in peak demand through 2034.
- Minimizing revenue requirements (*i.e.*, cost to customers) over the planning period, while meeting capacity obligations.
- Reasonably relying on a diverse mix of resources currently available, including STMP early in the planning period.
- Adding renewable energy resources (solar and wind) in a cost-effective manner.

Table 17 and Figure 39 show the cumulative capacity additions associated with the Preferred Plan. Table 17 further shows the “Going-in” Capacity position, before new resource additions on the row labeled “Capacity Reserves (MW) without new additions” and the capacity position with the Preferred Plan addition shown on the row labeled “Capacity Reserves (MW) with new additions.” These values are relative to the PJM required reserve levels.



Table 17. Cumulative PJM Capacity Additions (MW) for Preferred Plan

Commodity Pricing Scenario	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	
Preferred	New Nat. Gas											122	122	122	122	
	New Solar (Nameplate)				101	253	253	253	253	253	253	455	455	455	455	
	New Solar (Firm)				52	129	129	129	129	129	129	233	233	233	233	
	New Wind (Nameplate)									100	100	200	200	200	200	
	New Wind (Firm)									12	12	25	25	25	25	
	New EE			2	4	6	5	5	4	4	3	3	3	3	2	2
	New VVO					4	4	4	4	4	4	4	8	8	8	8
	New DG				1	2	2	2	2	2	3	3	4	4	4	5
STMP			150	100												
Capacity Reserves (MW) without new additions	236	232	(141)	(141)	(138)	(136)	(133)	(132)	(131)	(131)	(130)	(392)	(392)	(392)	(392)	
Capacity Reserves (MW) with new additions	236	232	11	15	2	5	7	8	21	21	34	2	1	1	1	

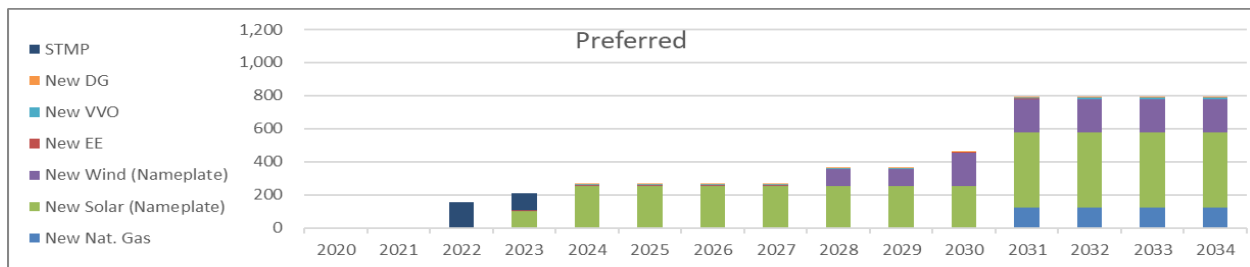


Figure 39. Cumulative PJM Nameplate Capacity Additions (MW) for Preferred Plan

The Preferred Plan (PP) selects similar resources as the Base Optimization plan with the primary difference being Wind resources are included in 2028, where the Base Optimization plan selected Wind resources in 2023 and 2024. In 2028, 100 MW (Nameplate) of Wind is selected and another 100 MW (Nameplate) in 2030. The PP includes the same amount of Large Scale Solar resources (455 MW Nameplate) as the Base Optimization Plan by 2034 as well as selecting an Aeroderivative unit in the 2031. Additionally, the PP includes Residential and Commercial energy efficiency and VVO.

5.3.1 Demand-Side Resources

In the PP, incremental EE resources were selected beginning in 2022 and throughout the remainder of the planning period. In 2034, both EE and VVO resources totaling 10 MW are selected in the PP reducing energy usage by approximately 38 GWh. Figure 40 shows the



cumulative impact on energy savings of incremental Company-sponsored EE resources included in the PP on a percentage basis. Table 17 shows the capacity impact of EE resources for the PP.

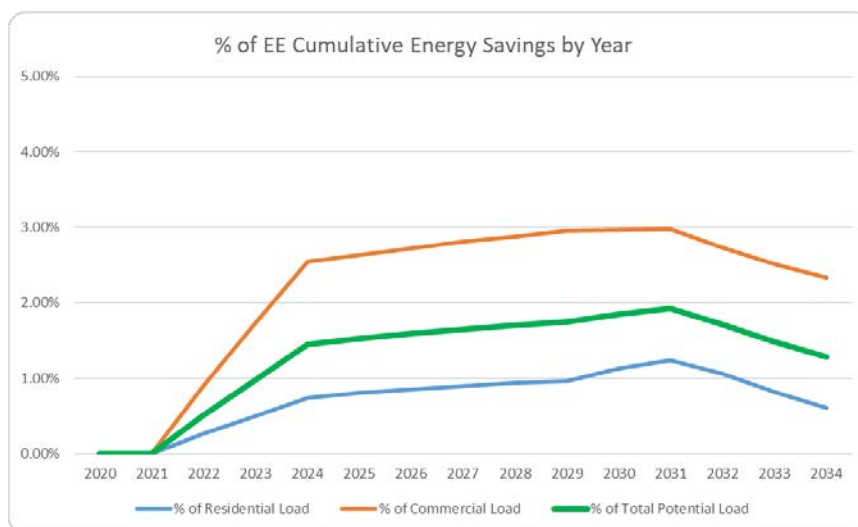


Figure 40. Preferred Plan Cumulative Energy Efficiency Energy Savings (%)

5.3.2 Preferred Plan Cost

Figure 41 compares the respective costs over 5-year intervals and the full analysis period for the Preferred Plan, Case 1 and Stakeholder case SH1 (SH STMP). These cases are the least-cost scenarios in the different groups considered. As mentioned earlier, the cost analysis throughout the 15-year planning period also influenced the identification of the Preferred Plan. By selecting Large-Scale Solar resources over Wind resources earlier, the plan resulted in lower costs over the first 10 years and near parity over 15 years relative to the Case 1 Base Optimization plan. The Preferred Plan is also less costly than the Stakeholder STMP only plan under all the studied time horizons. The integration of renewable resources into the plan also allows Kentucky Power to move towards diversifying its generation portfolio.

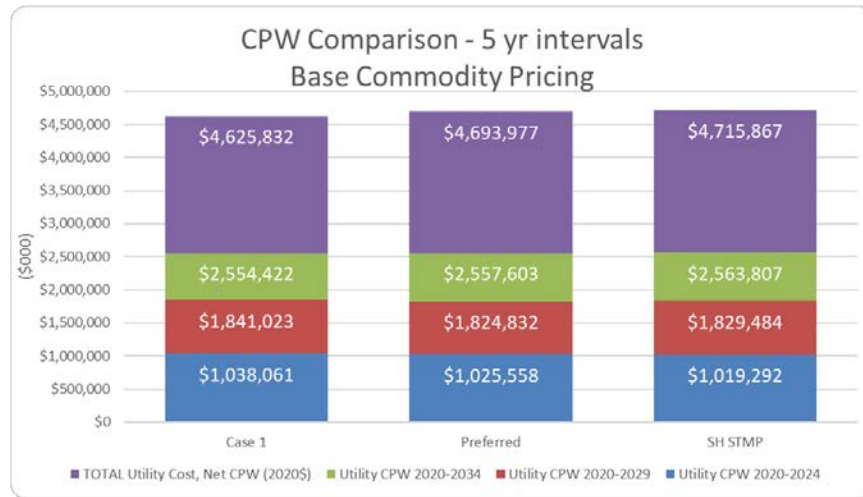


Figure 41. Preferred Plan Cumulative Present Worth (CPW) comparison

Additionally, the cost of the Preferred Plan was evaluated using the different commodity pricing conditions described in Section 5.2.2. Figure 42 shows the comparative results of the Preferred Plan to the relative optimized plan and the SH STMP plan for each commodity pricing condition. Under the high commodity pricing condition, the results were similar to the base commodity pricing condition where the Preferred Plan had lower costs over the first 10 years and near parity over 15 years relative to the Case 1 Base Optimization plan. The SH STMP plan was the lowest cost plan over the first 5 years, but became more costly after this for the remainder of the study period.

The results for the Low Commodity Pricing and No Carbon Commodity pricing scenarios also showed costs for the Preferred Plan to be less than the optimized plans over the first 10 years and near parity over 15 years. The SH STMP plan, under these particular pricing conditions did result in costs that were less than the Preferred Plan but more than the optimized plans. This comparison of plan costs under different pricing scenarios shows the how the choice of resources is sensitive to future market conditions. It also indicates that the cost assumptions for the resources included in these plans must be monitored and validated as the plan is implemented. Having a plan



that adds resources incrementally, as the Preferred Plan does, will provide Kentucky Power the flexibility to react to changing market condition.



Figure 42. Preferred Plan Cumulative Present Worth (CPW) Commodity Price comparison

5.3.3 Estimated Bill Impacts of the Preferred Plan

The Company compared the estimated bill impact of the Preferred Plan, which includes a mix of renewable resources, energy efficiency measures and STMP, to the Base Optimization plan (Case 1). To estimate the bill impact over the planning period, the Company used the total annual cost of the Plans, total annual sales of electricity (kWh), and the normalized average residential usage/month of 1,269 kWh. This calculated estimate does not take into consideration rate design



or differences in customer classes. The Company also assumed that transmission and distribution related costs will be incurred at the same rate under all plans, and therefore have no impact to the calculation of bill impacts comparing plans. Keep in mind that the cost assumptions used in this comparison are indicative in nature in that any investment decision and the associated rate changes are subject to regulatory approval.

For purposes of this comparison, the annual net cost from the *Plexos*[®] model were divided by the Kentucky Power load, net of energy efficiency savings to get a cost per kilowatt-hour. The *Plexos*[®] model annual costs includes the incremental fixed and all variable cost of the Company’s generation resources, the incremental costs related to capital spending on new generation resources, EE and VVO Programs, a credit for the revenue received from the PJM market for the energy produced, and the cost of energy from PJM to serve the Company’s load. In equation form, this looks like:

$$\begin{aligned}
 \text{Net Cost} &= \\
 &\quad \text{Energy Requirement (Load) * PJM Market Energy Cost} \\
 &+ \text{Incremental Fixed and All Variable Cost from Kentucky Power’s existing and} \\
 &\quad \text{new Generation Resources} \\
 &+ \text{Carrying cost on capital} \\
 &+ \text{Cost of EE Programs} \\
 &- \text{PJM Market Energy Revenues (including credit for energy savings from EE)}
 \end{aligned}$$

Under the Base Optimization plan, the monthly bill will rise due to the assumed annual escalation in the non-energy portion of the bill, in addition to the increased cost in the energy component for coal, natural gas, carbon allowances, PJM market energy prices and incremental investments in existing and new resources. In the Preferred Plan, these similar cost drivers are present, but with less wind and more solar introduced through 2027 along with less EE, the total



monthly bill for Kentucky Power customers is estimated to be less than the Base Optimization plan through 2027. The delay in the incremental increases in renewable resources investments to the Company’s portfolio in 2028 and in 2031, however, results in a monthly bill for the Preferred Plan of \$2.20 more than the Base Optimization plan in 2034.

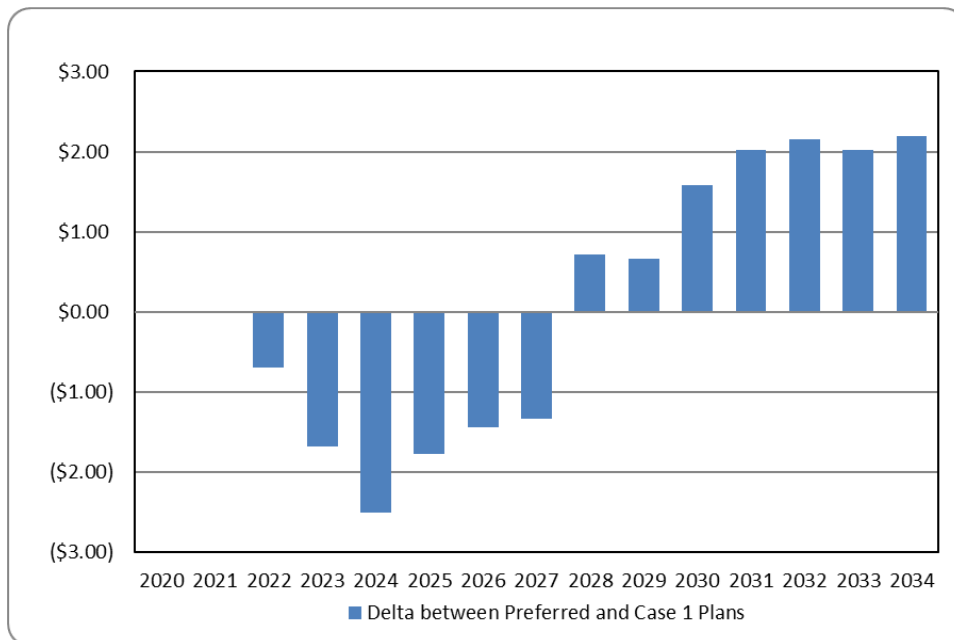


Figure 43. Bill Impacts (\$/Month) of Preferred Plan Compared to Case 1

5.3.4 Rate Impacts of the Preferred Plan

The average “real” rate per kWh expected to be paid by Kentucky Power customers from 2020 to 2034 that results directly from the costs and energy consumption impacts associated with the Preferred Plan is shown in Table 18 below. As previously stated, Kentucky Power does not expect to add any major new baseload generation during this period; however, renewable projects, new EE programs and small peaking unit additions will require investments and/or purchase obligations. On a real (2020) dollar basis as reflected in Table 18, this Preferred Portfolio is anticipated to result in increases in the customer-estimated rates. The table below, however,



includes assumptions regarding costs associated with CO₂ emissions, which account for 37% of the increase in real dollars through 2034.

Table 18. Approximate Rate Impacts of Preferred Plan

Year	Nominal (\$/kWh)	Real (\$2020/kWh)
2020	\$0.122	\$0.122
2021	\$0.126	\$0.126
2022	\$0.127	\$0.127
2023	\$0.124	\$0.124
2024	\$0.124	\$0.124
2025	\$0.124	\$0.124
2026	\$0.124	\$0.124
2027	\$0.125	\$0.125
2028	\$0.137	\$0.135
2029	\$0.137	\$0.135
2030	\$0.137	\$0.135
2031	\$0.143	\$0.139
2032	\$0.143	\$0.139
2033	\$0.144	\$0.139
2034	\$0.145	\$0.140

* Note: The rate impacts presented in this table do not consider the prospect of increases in Kentucky Power’s transmission and distribution-related costs over this period, as well as increases in base generation-related costs not uniquely incorporated into the planning/modeling process.

5.3.5 Risk Analysis

In addition to comparing the Preferred Plan to the optimized portfolios under a variety of pricing assumptions, the Preferred Plan and an alternative portfolio were also evaluated using a stochastic, or “Monte Carlo” modeling technique where input variables are randomly selected from a universe of possible values, given certain standard deviation constraints and correlative relationships. This offers an additional approach by which to “test” the Preferred Plan over a distributed range of certain key variables. The output is, in turn, a distribution of possible



outcomes, providing insight as to the risk or probability of a higher cost (revenue requirement) relative to the expected outcome.

This study included multiple risk iteration runs performed over the study period with five key price variables (risk factors) being subjected to this stochastic-based risk analysis. The results take the form of a distribution of possible revenue requirement outcomes for each plan. Table 19 shows the input variables or risk factors within this IRP stochastic analysis and the historical correlative relationships to each other.

Table 19. Risk Analysis Factors and Relationships

2020 - 2027	Capacity Prices	Gas	Coal	CO2	Market Prices
Capacity Prices	1.00	-0.66	-0.62	0.00	-0.71
Gas		1.00	0.65	0.00	0.88
Coal				0.00	0.73
CO2				0.00	0.00
Market Prices					1.00
Average Coefficient of Variation	24.9%	11.0%	3.3%	0.0%	6.9%

2028 - 2034	Capacity Prices	Gas	Coal	CO2	Market Prices
Capacity Prices	1.00	0.65	0.46	0.90	0.46
Gas		1.00	0.43	0.73	0.58
Coal				0.56	-0.58
CO2				1.00	0.67
Market Prices					1.00
Average Coefficient of Variation	25.5%	10.3%	4.8%	70.7%	12.6%

Comparing the Preferred Plan to an alternative portfolio which is significantly different provides a data point that may be used to evaluate the risk associated with the Preferred Plan. The Company compared the Preferred Plan to the Case 1 – Base Optimization, Case 8 – CC in 2024 and SH1 STMP plan. Evaluating optimal plans as a group allows the Company to determine if the



resources in the Preferred Plan introduce more risk than relying on the least-cost optimal plan. The range of values associated with the variable inputs are shown in Figure 44.



Figure 44. Range of Variable Inputs for Stochastic Analysis



5.3.5.1 Stochastic Modeling Process and Results

For each portfolio, the results of 100 random iterations are sorted from lowest cost to highest cost, with the differential between the median and higher percentile result from the multiple runs identified as Revenue Requirement at Risk (RRaR). For example, the 95th percentile is a level of required revenue sufficiently high that it will be exceeded, assuming the given plan is adopted, only five percent of the time. Thus, it is 95% likely that those higher-ends of revenue requirements would not be exceeded. The larger the RRaR, the greater the likelihood that customers could be subjected to higher costs relative to the portfolio’s mean or expected cost. Conversely, there is equal likelihood costs may be lower than the median value. These higher or lower costs are generally the result of the difference, or spread, between fuel prices and resultant PJM market energy prices. The greater that spread, the more “margin” is enjoyed by the Company and its customers. Figure 45 below illustrates the RRaR (expressed in terms of incremental cost over the 50th percentile).

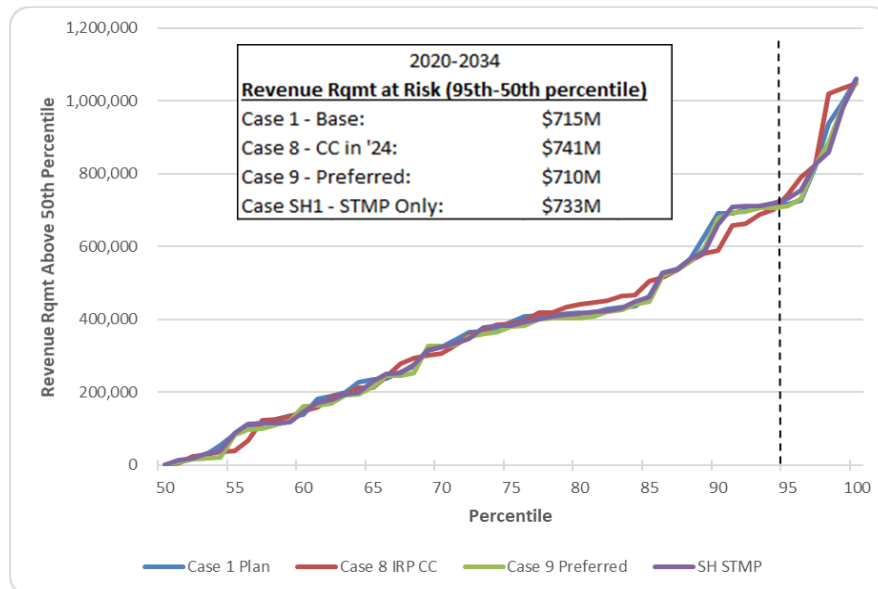


Figure 45. Revenue Requirement at Risk (RRaR) (\$000) for Preferred Plan



As shown above in Figure 45, the difference in RRaR between the portfolios is relatively small through the 95th percentile but favors the Preferred Plan. In the Preferred Plan, the addition of economic renewable resources reduces the portfolio risk. The additional revenue requirement associated with the Preferred Plan is \$5 million lower than the Base Optimization plan.

Based on the risk modeling performed, it is reasonable to conclude that the inherent risk characteristics of the Preferred Plan represents a reasonable combination of expected costs and risk.



6.0 Summary and Conclusions

Kentucky Power used the results of the modeling to develop a “Preferred Plan.” To arrive at the Preferred Plan composition, Kentucky Power developed six *Plexos*[®]-derived, “optimum” portfolios under four long-term commodity price forecasts, and two “load sensitivity” forecasts. Kentucky Power’s Preferred Plan considered a resource mix that included attributes of the various Optimal Plans. Additionally, although the evaluation of the optimization scenarios occurred over a 30-year study period, the revenue requirements throughout the 15-year planning period influenced the identification of the Preferred Plan. The Preferred Plan is an option that balances cost and other factors while meeting Kentucky Power’s peak load obligations. Over the next five years Kentucky Power can meet its customers’ requirements with existing resources and through the use of short-term market purchases (STMP) along with modest investments in renewable resources and energy efficiency. Over the long-term a new aeroderivative natural gas unit and additional renewable resources will be required.

Table 20 and Figure 46 provide a summary of the incremental capacity additions associated with the Preferred Plan. Table 20 further shows the “Going-in” Capacity position, before new resource additions on the row labeled “Capacity Reserves (MW) without new additions” and the capacity position with the Preferred Plan addition shown on the row labeled “Capacity Reserves (MW) with new additions”. These values are relative to the PJM required reserve levels.

Table 20. Cumulative PJM Capacity Additions (MW) for Preferred Plan

Commodity Pricing Scenario		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Preferred	New Nat. Gas												122	122	122	122
	New Solar (Nameplate)				101	253	253	253	253	253	253	253	455	455	455	455
	New Solar (Firm)				52	129	129	129	129	129	129	129	233	233	233	233
	New Wind (Nameplate)									100	100	200	200	200	200	200
	New Wind (Firm)									12	12	25	25	25	25	25
	New EE			2	4	6	5	5	4	4	3	3	3	3	2	2
	New VVO					4	4	4	4	4	4	4	8	8	8	8
	New DG				1	2	2	2	2	2	3	3	4	4	4	5
STMP			150	100												
Capacity Reserves (MW) without new additions		236	232	(141)	(141)	(138)	(136)	(133)	(132)	(131)	(131)	(130)	(392)	(392)	(392)	(392)
Capacity Reserves (MW) with new additions		236	232	11	15	2	5	7	8	21	21	34	2	1	1	1

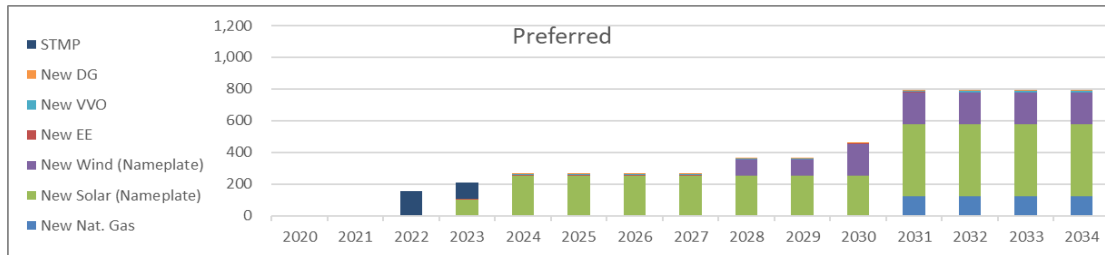


Figure 46. Cumulative PJM Nameplate Capacity Additions (MW) for Preferred Plan

In summary, the Preferred Plan:

- Continues operation of Kentucky Power’s existing generation facilities including Big Sandy 1 through 2030, and the Kentucky Power share of the Mitchell Units (West Virginia);
- Selects Short-Term Market Purchases (STMP) for capacity obligations following the expiration of the Rockport UPA in December 2022;
- Adds utility scale solar, beginning with 101 MW (Nameplate) in 2023, increasing to a total of 455 MW (Nameplate) by 2034;
- Adds 100 MW (Nameplate) of new wind resources in 2028 and an additional 100 MW (Nameplate) in 2030;
- Implements customer and grid EE programs, including VVO, reducing energy requirements by over 38 GWh and 10 MW of capacity by 2034; and
- Assumes Kentucky Power’s customers add distributed generation (DG) (*i.e.*, rooftop solar) capacity totaling 9 MW (Nameplate) by 2034.¹⁹

Specific Kentucky Power capacity changes over the 15-year planning period associated with the Preferred Plan are shown in Figure 47 and Figure 48 and the relative impacts to Kentucky Power’s annual energy position are shown in Figure 49 and Figure 50.

¹⁹ Kentucky Power does not have control over the amount, location or timing of these additions

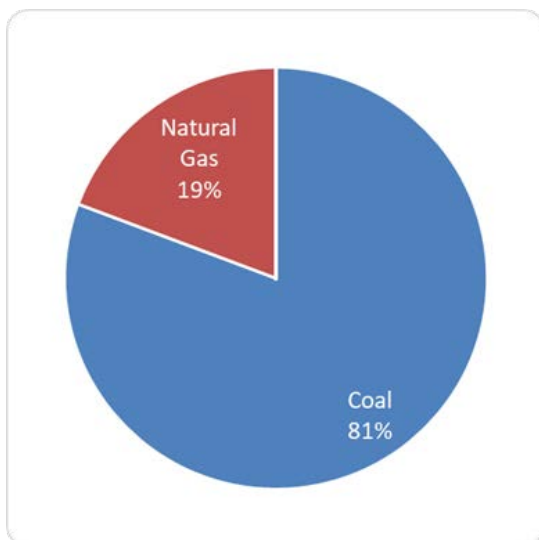


Figure 47. Kentucky Power 2020 Nameplate Capacity Mix

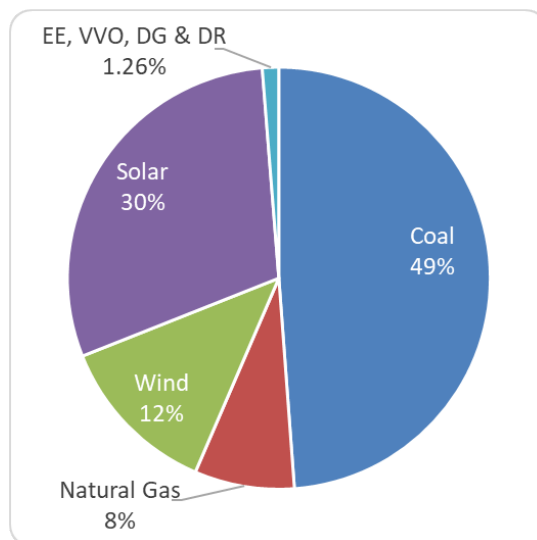


Figure 48. Kentucky Power 2034 Nameplate Capacity Mix

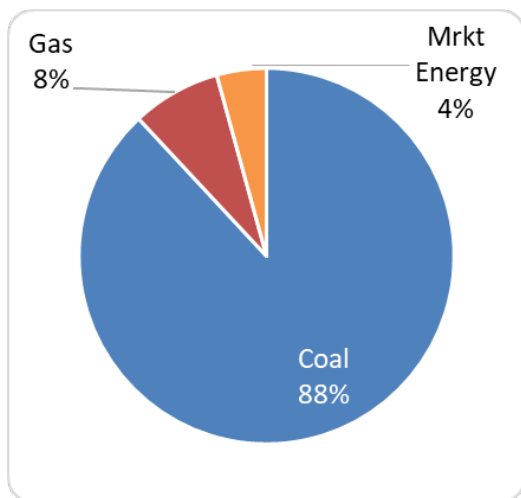


Figure 49. Kentucky Power 2020 Energy Mix

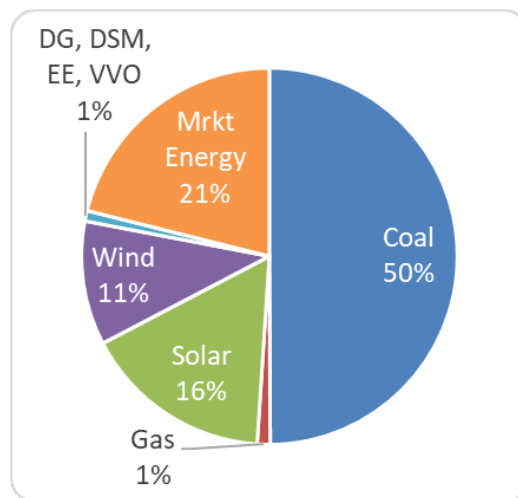


Figure 50. Kentucky Power 2034 Energy Mix

Figure 47 through Figure 50 indicate that this Preferred Plan would reduce Kentucky Power’s reliance on coal-based generation and increase reliance on demand-side (EE, DR, VVO)



and renewable resources, further diversifying the portfolio. Specifically, over the 15-year planning period, the Company's nameplate capacity mix attributable to coal-fired assets would decline from 81% to 49% and natural gas capacity would decline from 20% in 2020 to 8% in 2034. Wind and solar assets climb to 13% and 29%, respectively.

Figure 49 and Figure 50 show the change in energy output from Kentucky Power's portfolio. Kentucky Power's energy output attributable to coal-fired generation shows a decrease from 88% to 50% over the period. The Preferred Plan shows a significant increase in renewable energy (wind and solar), from 0% to 27%. Energy from these renewable resources, combined with EE and VVO energy savings may reduce Kentucky Power's exposure to energy, fuel and potential carbon prices. Furthermore, Figure 50 shows the Company will be relying on short-term energy purchases for approximately 21% to meet its energy needs in 2034.

Figure 51 and Figure 52 show annual changes in capacity and energy mix, respectively, that result from the Preferred Plan. The capacity contribution from renewable resources is fairly modest due to their intermittent performance, as well as the implications of PJM's Capacity Performance rule; however, those resources (particularly wind) provide a significant volume of energy. Kentucky Power's model selected those wind resources because they were lower cost than alternative resources. When comparing the capacity values in Figure 51 with those in Figure 47 and Figure 48, it is important to note that Figure 51 provides an analysis of PJM-recognized capacity, while Figure 47 and Figure 48 depict nameplate capacity.

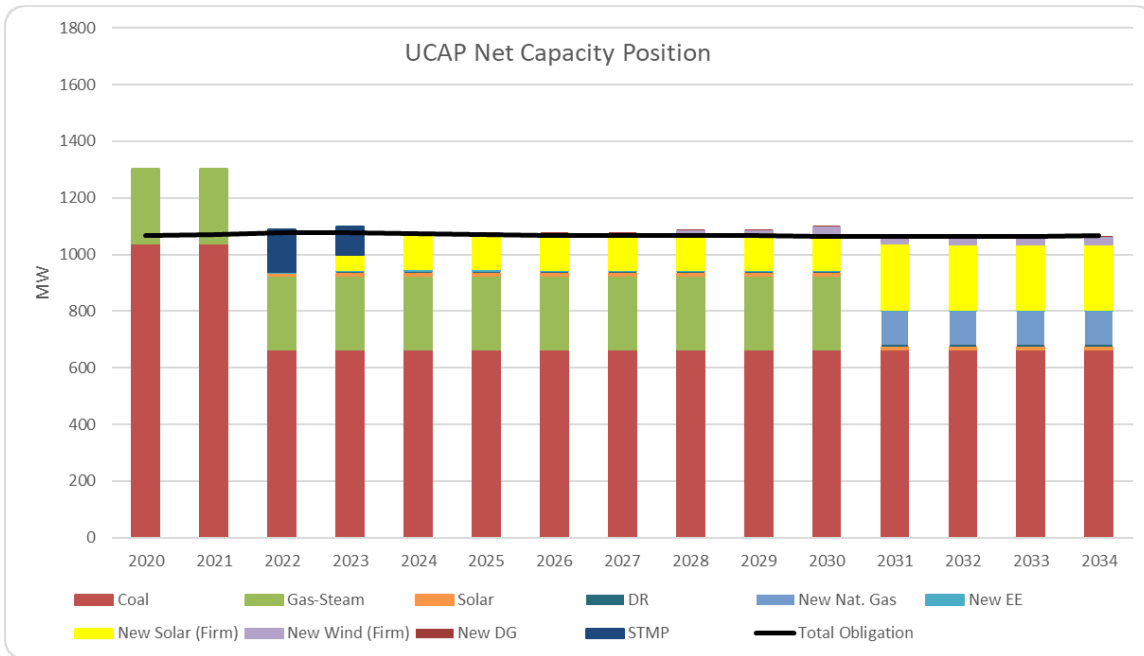


Figure 51. Kentucky Power Annual PJM Capacity Position (MW) According to Preferred Plan

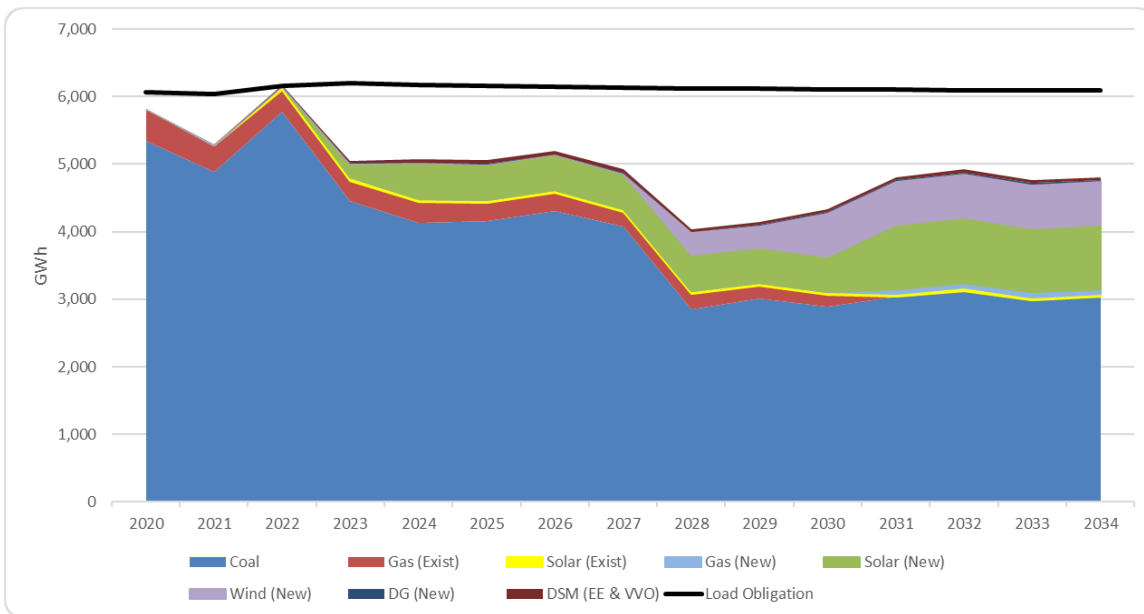


Figure 52. Kentucky Power Annual Energy Position (GWh) According to Preferred Plan



6.1 Conclusion

This IRP, based upon various assumptions, identifies adequate capacity resources at reasonable cost, through a combination of supply-side resources (including renewable supply-side resources) and demand-side programs throughout the forecast period.

This IRP also addresses the Commission Staff's 2016 IRP recommendations. A table showing the location of Kentucky Power's responses to the Staff's recommendations is included at the end of the Executive Summary and in Exhibit A of the appendix to this report.

The resource portfolios reflect, largely, assumptions that are subject to change; an IRP is simply a snapshot of the future at a given time. As noted previously, this IRP is not a commitment to specific resource additions or other courses of action. The resource planning process is becoming increasingly complex when considering pending regulatory restrictions, technology advancement, changing energy supply pricing fundamentals, uncertainty of demand and end-use efficiency improvements. These complexities exacerbate the need for flexibility and adaptability in any ongoing planning activity and resource planning process.

To that end, Kentucky Power intends to pursue the following three-year action plan:

1. Pursue economic development opportunities to increase and diversify its industrial and commercial load. This includes looking at green power tariff alternatives for the growing number of customers who seek green power in the upcoming years.
 2. Explore opportunities to initiate a Request for Proposal (RFP) to add cost-effective market capacity purchases and solar and wind resources in the near future.
 3. Further examine opportunities to increase cost effective levels of EE in alignment with the Preferred Plan.
 4. Monitor the status of, and if necessary, participate in formulating plans for Kentucky pertaining to the Affordable Clean Energy rule to replace the Clean
-



Power Plan with new emission guidelines for regulating CO₂ from existing sources.

5. Monitor this action plan and future IRPs to address changing circumstances.



Appendix

[Exhibit A](#) [Cross Reference Table of Responses to Staff Comments from 2016 Final IRP Report](#)

[Exhibit B](#) [Cross Reference Table of Rule 807 KAR 5:058](#)

[Exhibit C](#) [Load Forecast Tables](#)

[Exhibit D](#) [New Generation Technologies](#)

[Exhibit E](#) [Case and Scenario Results](#)

[Exhibit F](#) [CONFIDENTIAL Transmission Maps](#)

[Exhibit G](#) [Supplemental Data and Details](#)

[Exhibit H](#) [CONFIDENTIAL Load Forecast Model Details and Input Data](#)

[Exhibit I](#) [Load Forecast Model Details and Input Data](#)



Exhibit A – Cross Reference Table of Staff Comments from 2016 Final IRP Report



Topic	Staff Comment	Section
Load Forecast	Provide a comparison of forecasted winter and summer peak demands with actual results for the period following the 2016 IRP, along with a discussion of the reasons for the differences between forecasted and actual peak demands (update of one of the recommendations in the previous IRP Staff Report)	2.12.2 2.12.5
	Provide a comparison of the annual forecast of residential energy sales, using the current econometric models, with actual results for the period following the 2016 IRP. Include a discussion of the reasons for the differences between forecasted and actual results	2.12.2 2.12.5
	More closely examine the reasonableness of the coal mining sector forecast and make necessary adjustments to reflect Kentucky Power’s territorial circumstances.	2.12.5
	Provide and update on Kentucky Power’s economic development efforts including the impact on its load and employment in its service territory	2.12.5
DSM/EE	Kentucky Power should continue to examine the results of the cost effectiveness tests of its remaining DSM programs as compared to the estimates projected by the AEG Study. Kentucky Power should report on existing programs that do not meet or exceed their cost-effectiveness estimate and the proposed alterations, if any, that may allow those programs to be altered to meet the study targets.	3.4.6
	In further support of the Commission's final order in Case No. 2016-00281, Kentucky Power is no longer required to pursue further industrial programs.	3.4.6
	Kentucky Power should continue participating with adjoining AEP operating companies in order to take advantage of economies of scale that allow for reduced advertising costs, enhanced marketing to the extent possible for income-eligible residential DSM programs, and report such savings.	3.4.6
Supply-Side Modeling	Provide a status report of Kentucky Power's implementation and operation with respect to the CP requirements in PJM and any impacts related thereto.	4.7
	Include a discussion of and any changes or modifications that are under consideration for the PCA, and potential impacts to Kentucky Power	1.4 4.7
	In Kentucky Power's modeling for supply-side resources, provide models that include and exclude the Rockport units, including all environmental costs for the model that includes the	4.7



	UPA throughout the planning period, and a comparison of the results.	
	Provide current specific discussions of pending renewable generation sought by Kentucky Power in its system, or by coordination with other utilities	4.7
	Discuss the status of cogeneration and CHP opportunities in its service territory and the consideration given to cogeneration and CHP in the resource plan	3.4.4.2
	Identify and describe currently installed net metering systems	3.4.4.1
	Provide a detailed discussion of the ways in which net metering systems are encouraged and considered in the IRP, along with customer specific statistics	3.4.4.1
	Provide detailed discussions of the consideration, suitability, and evaluation given to distributed generation	3.4.4
	Provide additional specific discussions of the improvements and more efficient utilization of generation, transmission and distribution facilities as required by 807 KAR 5:058, Section 8(2a).	3.5, 3.6
	Discuss system reliability and the criteria used to determine appropriate summer and winter reserve margins. Identify the capacity margin required by PJM and how it correlates to the reserve margin the Company used prior to its RTO membership.	3.2
	In addition to describing how Kentucky Power is addressing current and pending environmental regulations and anticipated new regulations and legislation, the next IRP should address the expected impact and changes on the costs and operations	3.3, 5.3.4
	Discuss how Kentucky Power has addressed uncertainty in modeling future load and the resources to meet that load.	2.4 5.1



Exhibit B – Cross Reference Table of Rule 807 KAR 5:058



Section	Requirement	Report Section
5	<p><u>Plan Summary.</u> The plan shall contain a summary which discusses the utility's projected load growth and the resources planned to meet that growth. The summary shall include at a minimum:</p> <ol style="list-style-type: none"> (1) Description of the utility, its customers, service territory, current facilities, and planning objectives; (2) Description of models, methods, data, and key assumptions used to develop the results contained in the plan; (3) Summary of forecasts of energy and peak demand, and key economic and demographic assumptions or projections underlying these forecasts; (4) Summary of the utility's planned resource acquisitions including improvements in operating efficiency of existing facilities, demand-side programs, nonutility sources of generation, new power plants, transmission improvements, bulk power purchases and sales, and interconnections with other utilities; (5) Steps to be taken during the next three (3) years to implement the plan; (6) Discussion of key issues or uncertainties that could affect successful implementation of the plan. 	Executive Summary
6	<p><u>Significant Changes.</u> All integrated resource plans, shall have a summary of significant changes since the plan most recently filed. This summary shall describe, in narrative and tabular form, changes in load forecasts, resource plans, assumptions, or methodologies from the previous plan. Where appropriate, the utility may also use graphic displays to illustrate changes.</p>	Section 1.5
7	<p><u>Load Forecasts.</u> The plan shall include historical and forecasted information regarding loads.</p> <ol style="list-style-type: none"> (1) The information shall be provided for the total system and, where available, disaggregated by the following customer classes: <ol style="list-style-type: none"> (a) Residential heating; (b) Residential nonheating; (c) Total residential (total of paragraphs (a) and (b) of this subsection); (d) Commercial; (e) Industrial; (f) Sales for resale; (g) Utility use and other. <p>The utility shall also provide data at any greater level of disaggregation available.</p>	



	<p>(2) The utility shall provide the following historical information for the base year, which shall be the most recent calendar year for which actual energy sales and system peak demand data are available, and the four (4) years preceding the base year:</p> <ul style="list-style-type: none"> (a) Average annual number of customers by class as defined in subsection (1) of this section; (b) Recorded and weather-normalized annual energy sales and generation for the system, and sales disaggregated by class as defined in subsection (1) of this section; (c) Recorded and weather-normalized coincident peak demand in summer and winter for the system; (d) Total energy sales and coincident peak demand to retail and wholesale customers for which the utility has firm, contractual commitments; (e) Total energy sales and coincident peak demand to retail and wholesale customers for which service is provided under an interruptible or curtailable contract or tariff or under some other nonfirm basis; (f) Annual energy losses for the system; (g) Identification and description of existing demand-side programs and an estimate of their impact on utility sales and coincident peak demands including utility or government sponsored conservation and load management programs; (h) Any other data or exhibits, such as load duration curves or average energy usage per customer, which illustrate historical changes in load or load characteristics. 	<p>Exhibit C-14</p> <p>Exhibit C-18</p> <p>Exhibit C-17</p> <p>Exhibit C-16</p> <p>N/A</p> <p>Exhibit C-15 Section 3.4</p> <p>Exhibits C-5, C-10</p>
	<p>(3) For each of the fifteen (15) years succeeding the base year, the utility shall provide a base load forecast it considers most likely to occur and, to the extent available, alternate forecasts representing lower and upper ranges of expected future growth of the load on its system. Forecasts shall not include load impacts of additional, future demand-side programs or customer generation included as part of planned resource acquisitions estimated separately and reported in Section 8 (4) of this administrative regulation. Forecasts shall include the utility's estimates of existing and continuing demand side programs as described in subsection (5) of this section.</p>	<p>Exhibits C-1, C-2A, C-2B, C-5, C-6, C-9, C-10</p>
	<p>(4) The following information shall be filed for each forecast:</p> <ul style="list-style-type: none"> (a) Annual energy sales and generation for the system and sales disaggregated by class as defined in subsection (1) of this section; (b) Summer and winter coincident peak demand for the system; 	<p>Exhibits C-2A, C-2B</p> <p>Exhibits C-2A, C-2B</p>



	<p>(c) If available for the first two (2) years of the forecast, monthly forecasts of energy sales and generation for the system and disaggregated by class as defined in subsection (1) of this section and system peak demand;</p> <p>(d) The impact of existing and continuing demand-side programs on both energy sales and system peak demands, including utility and government sponsored conservation and load management programs;</p> <p>(e) Any other data or exhibits which illustrate projected changes in load or load characteristics.</p>	<p>Exhibits C-3, C-4</p> <p>Exhibit C-6, Section 3.4.1</p> <p>Exhibit C-1</p>
	<p>(5) The additional following data shall be provided for the integrated system, when the utility is part of a multistate integrated utility system, and for the selling company, when the utility purchases fifty (50) percent of its energy from another company:</p> <p>(a) For the base year and the four (4) years preceding the base year:</p> <ol style="list-style-type: none"> 1. Recorded and weather normalized annual energy sales and generation; 2. Recorded and weather-normalized coincident peak demand in summer and winter. <p>(b) For each of the fifteen (15) years succeeding the base year:</p> <ol style="list-style-type: none"> 1. Forecasted annual energy sales and generation; 2. Forecasted summer and winter coincident peak demand. 	
	<p>(6) A utility shall file all updates of load forecasts with the commission when they are adopted by the utility.</p>	
	<p>(7) The plan shall include a complete description and discussion of:</p> <p>(a) All data sets used in producing the forecasts;</p> <p>(b) Key assumptions and judgments used in producing forecasts and determining their reasonableness;</p> <p>(c) The general methodological approach taken to load forecasting (for example, econometric, or structural) and the model design, model specification, and estimation of key model parameters (for example, price elasticities of demand or average energy usage per type of appliance);</p> <p>(d) The utility's treatment and assessment of load forecast uncertainty;</p> <p>(e) The extent to which the utility's load forecasting methods and models explicitly address and incorporate the following factors:</p> <ol style="list-style-type: none"> 1. Changes in prices of electricity and prices of competing fuels; 	<p>Section 2.2</p> <p>Sections 2.3, 2.4</p> <p>Section 2.7</p> <p>Section 2.8</p>



	<p>2. Changes in population and economic conditions in the utility's service territory and general region;</p> <p>3. Development and potential market penetration of new appliances, equipment, and technologies that use electricity or competing fuels; and</p> <p>4. Continuation of existing company and government sponsored conservation and load management or other demand-side programs.</p> <p>(f) Research and development efforts underway or planned to improve performance, efficiency, or capabilities of the utility's load forecasting methods; and</p> <p>(g) Description of and schedule for efforts underway or planned to develop end-use load and market data for analyzing demand-side resource options including load research and market research studies, customer appliance saturation studies, and conservation and load management program pilot or demonstration projects.</p>	<p>Section 2.4.4</p> <p>Section 2.6.1</p> <p>Section 2.6.2</p> <p>Section 2.9.3</p> <p>Section 2.6.1</p>
8	<p><u>Resource Assessment and Acquisition Plan.</u> (1) The plan shall include the utility's resource assessment and acquisition plan for providing an adequate and reliable supply of electricity to meet forecasted electricity requirements at the lowest possible cost. The plan shall consider the potential impacts of selected, key uncertainties and shall include assessment of potentially cost effective resource options available to the utility.</p>	
	<p>(2) The utility shall describe and discuss all options considered for inclusion in the plan including:</p> <p>(a) Improvements to and more efficient utilization of existing utility generation, transmission, and distribution facilities;</p> <p>(b) Conservation and load management or other demand-side programs not already in place;</p> <p>(c) Expansion of generating facilities, including assessment of economic opportunities for coordination with other utilities in constructing and operating new units; and</p> <p>(d) Assessment of nonutility generation, including generating capacity provided by cogeneration, technologies relying on renewable resources, and other nonutility sources.</p>	<p>Section 3.2</p> <p>Section 4.4</p> <p>Section 5.2.1</p> <p>Sections 4.4.3.5, 4.5.5</p>
	<p>(3) The following information regarding the utility's existing and planned resources shall be provided. A utility which operates as part of a multistate integrated system shall submit the following information for its operations within Kentucky and for the multistate utility system of which it is a part. A utility which purchases fifty</p>	



	<p>g. Projected average variable and total electricity production costs (in cents per kilowatt-hour).</p> <p>(c) Description of purchases, sales, or exchanges of electricity during the base year or which the utility expects to enter during any of the fifteen (15) forecast years of the plan.</p> <p>(d) Description of existing and projected amounts of electric energy and generating capacity from cogeneration, self-generation, technologies relying on renewable resources, and other nonutility sources available for purchase by the utility during the base year or during any of the fifteen (15) forecast years of the plan.</p> <p>(e) For each existing and new conservation and load management or other demand-side programs included in the plan:</p> <ol style="list-style-type: none"> 1. Targeted classes and end-uses; 2. Expected duration of the program; 3. Projected energy changes by season, and summer and winter peak demand changes; 4. Projected cost, including any incentive payments and program administrative costs; and 5. Projected cost savings, including savings in utility's generation, transmission and distribution costs. 	<p>Exhibit G-8</p> <p>Exhibit G-9</p> <p>Exhibit G-9</p> <p>G-10</p>
	<p>(4) The utility shall describe and discuss its resource assessment and acquisition plan which shall consist of resource options which produce adequate and reliable means to meet annual and seasonal peak demands and total energy requirements identified in the base load forecast at the lowest possible cost. The utility shall provide the following information for the base year and for each year covered by the forecast:</p> <p>(a) On total resource capacity available at the winter and summer peak:</p> <ol style="list-style-type: none"> 1. Forecast peak load; 2. Capacity from existing resources before consideration of retirements; 3. Capacity from planned utility-owned generating plant capacity additions; 4. Capacity available from firm purchases from other utilities; 5. Capacity available from firm purchases from nonutility sources of generation; 6. Reductions or increases in peak demand from new conservation and load management or other demand-side programs; 	<p>Exhibit G-11</p>



	<p>(f) Actions to be undertaken during the fifteen (15) years covered by the plan to meet the requirements of the Clean Air Act amendments of 1990, and how these actions affect the utility's resource assessment; and</p> <p>(g) Consideration given by the utility to market forces and competition in the development of the plan. Technical discussion, descriptions and supporting documentation shall be contained in a technical appendix.</p>	<p>Section 3.3</p> <p>Sections 4.3.1, 4.5.1 4.5.6.1, 4.5.6.2, Exhibit D</p>
9	<p><u>Financial Information.</u> The integrated resource plan shall, at a minimum, include and discuss the following financial information:</p> <p>(1) Present (base year) value of revenue requirements stated in dollar terms;</p>	Exhibit G-12
	(2) Discount rate used in present value calculations;	Exhibit G-12
	(3) Nominal and real revenue requirements by year; and	Exhibit G-12
	(4) Average system rates (revenues per kilowatt hour) by year.	Section 5.3.4



Exhibit C – Load Forecast Tables

**Kentucky Power Company
 Annual Internal Energy Requirements and Growth Rates
 2014-2034**

	<u>Residential Sales</u>		<u>Commercial Sales</u>		<u>Industrial Sales</u>		<u>Other Internal Sales</u>		<u>Losses</u>		<u>Total Internal Energy Requirements</u>	
	<u>GWH</u>	<u>% Growth</u>	<u>GWH</u>	<u>% Growth</u>	<u>GWH</u>	<u>% Growth</u>	<u>GWH</u>	<u>% Growth</u>	<u>GWH</u>	<u>% Growth</u>	<u>GWH</u>	<u>% Growth</u>
Actual												
2014	2,350	--	1,361	--	2,810	--	106	--	464	--	7,091	--
2015	2,192	-6.7	1,323	-2.8	2,693	-4.2	100	-5.1	445	-4.1	6,754	-4.8
2016	2,129	-2.9	1,315	-0.5	2,408	-10.6	95	-5.1	419	-5.7	6,367	-5.7
2017	1,933	-9.2	1,240	-5.7	2,407	-0.1	90	-5.3	390	-7.0	6,060	-4.8
2018	2,159	11.7	1,276	2.9	2,402	-0.2	96	6.0	413	6.0	6,346	4.7
Forecast												
2019 (1)	2,034	-5.8	1,256	-1.6	2,384	-0.8	92	-4.3	333	-19.4	6,099	-3.9
2020	1,951	-4.1	1,231	-2.0	2,391	0.3	90	-2.3	397	19.1	6,060	-0.6
2021	1,928	-1.2	1,228	-0.2	2,393	0.1	93	3.7	395	-0.4	6,037	-0.4
2022	1,915	-0.7	1,228	-0.1	2,518	5.3	94	1.2	400	1.3	6,155	2.0
2023	1,895	-1.0	1,220	-0.6	2,580	2.4	94	-0.2	405	1.2	6,194	0.6
2024	1,879	-0.8	1,215	-0.4	2,584	0.2	94	-0.1	403	-0.6	6,175	-0.3
2025	1,869	-0.6	1,212	-0.3	2,588	0.1	94	-0.1	399	-0.9	6,161	-0.2
2026	1,858	-0.6	1,206	-0.5	2,587	0.0	93	-0.1	400	0.3	6,145	-0.3
2027	1,851	-0.4	1,201	-0.4	2,588	0.0	93	-0.1	399	-0.2	6,132	-0.2
2028	1,844	-0.4	1,195	-0.4	2,590	0.1	93	-0.1	398	-0.4	6,121	-0.2
2029	1,842	-0.1	1,191	-0.3	2,594	0.2	93	-0.1	399	0.2	6,120	0.0
2030	1,835	-0.4	1,186	-0.5	2,596	0.1	93	-0.1	398	-0.2	6,108	-0.2
2031	1,830	-0.3	1,181	-0.4	2,600	0.2	93	-0.1	397	-0.3	6,101	-0.1
2032	1,825	-0.3	1,176	-0.4	2,602	0.1	93	-0.1	396	0.0	6,092	-0.1
2033	1,823	-0.1	1,172	-0.3	2,606	0.1	93	-0.1	395	-0.3	6,089	-0.1
2034	1,820	-0.2	1,167	-0.4	2,607	0.0	93	-0.1	397	0.5	6,084	-0.1
Average Annual Growth Rates:												
2014-2018		-2.1		-1.6		-3.8		-2.5		-2.8		-2.7
2020-2034		-0.5		-0.4		0.6		0.3		0.0		0.0

Note: (1) Data for 2019 are nine months actual and three months forecast.

Kentucky Power Company
Annual Internal Load
2020-2029

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>
<u>Internal Energy (GWH)</u>										
Residential	1,951	1,928	1,915	1,895	1,879	1,869	1,858	1,851	1,844	1,842
Commercial	1,231	1,228	1,228	1,220	1,215	1,212	1,206	1,201	1,195	1,191
Industrial	2,391	2,393	2,518	2,580	2,584	2,588	2,587	2,588	2,590	2,594
Total Other Ultimate	11	11	11	11	11	11	11	11	11	11
Total Ultimate Sales	5,584	5,559	5,671	5,705	5,689	5,679	5,662	5,650	5,640	5,638
Municipals	79	82	83	83	83	83	83	83	83	83
Total Sales-for-Resale	79	82	83	83	83	83	83	83	83	83
Total Internal Sales	5,663	5,642	5,755	5,789	5,772	5,762	5,745	5,733	5,723	5,721
Total Losses	397	395	400	405	403	399	400	399	398	399
Total Internal Energy	6,060	6,037	6,155	6,194	6,175	6,161	6,145	6,132	6,121	6,120
<u>Internal Peak Demand (MW)</u>										
Summer	1,012	1,010	1,031	1,027	1,025	1,022	1,020	1,018	1,017	1,017
Preceding Winter	1,303	1,296	1,311	1,305	1,299	1,293	1,289	1,285	1,282	1,278

**Kentucky Power Company
 Annual Internal Load
 2030-2034**

	<u>2030</u>	<u>2031</u>	<u>2032</u>	<u>2033</u>	<u>2034</u>
<u>Internal Energy (GWH)</u>					
Residential	1,835	1,830	1,825	1,823	1,820
Commercial	1,186	1,181	1,176	1,172	1,167
Industrial	2,596	2,600	2,602	2,606	2,607
Total Other Ultimate	11	11	11	11	11
Total Ultimate Sales	5,628	5,622	5,614	5,611	5,605
Municipals	82	82	82	82	82
Total Sales-for-Resale	82	82	82	82	82
Total Internal Sales	5,710	5,705	5,696	5,694	5,687
Total Losses	398	397	396	395	397
Total Internal Energy	6,108	6,101	6,092	6,089	6,084
<u>Internal Peak Demand (MW)</u>					
Summer	1,017	1,017	1,017	1,016	1,017
Preceding Winter	1,274	1,272	1,269	1,265	1,263

Kentucky Power Company
Monthly Internal Load
2020

	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Annual</u>
<u>Internal Energy (GWH)</u>													
Residential	257.5	211.7	181.5	115.9	125.6	126.3	160.6	160.5	124.1	110.9	159.4	217.4	1,951
Commercial	115.7	104.2	99.6	83.2	108.0	100.4	107.3	111.3	99.1	98.9	105.9	97.3	1,231
Industrial	198.0	186.9	199.8	194.1	213.9	196.8	193.2	202.9	187.6	203.3	213.9	200.9	2,391
Total Other Ultimate	1.1	0.9	0.9	0.8	0.7	0.6	0.7	0.8	0.8	1.0	1.1	1.1	11
Total Ultimate Sales	572.2	503.7	481.8	394.0	448.2	424.0	461.8	475.5	411.6	414.1	480.2	516.7	5,584
Municipals	8.8	7.3	6.8	5.4	5.5	6.2	7.0	7.0	5.5	5.4	6.3	7.8	79
Total Sales-for-Resale	8.8	7.3	6.8	5.4	5.5	6.2	7.0	7.0	5.5	5.4	6.3	7.8	79
Total Internal Sales	581.0	511.0	488.6	399.4	453.6	430.3	468.8	482.4	417.1	419.5	486.6	524.6	5,663
Total Losses	64.6	56.4	34.3	44.2	-6.9	47.8	52.1	16.7	22.3	16.3	-4.9	54.2	397
Total Internal Energy	645.6	567.3	522.8	443.7	446.7	478.0	520.9	499.1	439.4	435.8	481.6	578.8	6,060
<u>Internal Peak Demand (MW)</u>	1,304	1,269	927	839	797	917	1,012	969	902	770	891	1,016	1,304

Kentucky Power Company
Monthly Internal Load
2021

	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Annual</u>
<u>Internal Energy (GWH)</u>													
Residential	254.9	200.5	189.2	114.6	122.2	125.2	159.1	159.3	119.4	111.3	158.1	214.0	1,928
Commercial	116.0	100.3	104.2	83.5	106.6	100.4	107.2	111.4	96.7	99.8	105.7	96.5	1,228
Industrial	198.4	184.7	203.0	194.8	213.2	197.3	193.5	203.4	186.4	204.0	213.8	200.3	2,393
Total Other Ultimate	1.1	0.9	0.9	0.8	0.7	0.6	0.7	0.8	0.8	1.0	1.1	1.1	11
Total Ultimate Sales	570.3	486.3	497.3	393.8	442.7	423.5	460.5	474.8	403.4	416.1	478.6	512.0	5,559
Municipals	8.7	7.4	6.9	5.6	5.7	6.5	7.3	7.5	6.0	5.8	6.7	8.3	82
Total Sales-for-Resale	8.7	7.4	6.9	5.6	5.7	6.5	7.3	7.5	6.0	5.8	6.7	8.3	82
Total Internal Sales	579.1	493.7	504.2	399.3	448.4	430.1	467.8	482.3	409.4	421.9	485.4	520.2	5,642
Total Losses	64.2	54.7	21.4	44.3	-1.7	47.7	51.9	17.6	29.9	12.6	-5.0	57.7	395
Total Internal Energy	643.3	548.4	525.6	443.7	446.7	477.8	519.7	499.9	439.3	434.5	480.4	577.9	6,037
<u>Internal Peak Demand (MW)</u>	1,303	1,268	926	841	797	916	1,010	967	901	769	887	1,014	1,303

**Kentucky Power Company
 Seasonal and Annual Peak Demands, Energy Requirements and Load Factor
 2011-2031**

	Summer Peak			Winter Peak (1)			Annual Peak, Energy and Load Factor				
	Date	MW	% Growth	Date	MW	% Growth	MW	% Growth	GWH	% Growth	Load Factor %
Actual											
2014	07/22/14	1,076	--	02/20/15	1,666	--	1,645	--	7,091	--	49.2
2015	07/29/15	1,097	2.0	01/19/16	1,342	-19.4	1,666	1.2	6,754	-4.8	46.3
2016	08/09/16	1,044	-4.8	01/09/17	1,214	-9.5	1,342	-19.4	6,367	-5.7	54.0
2017	07/19/17	1,006	-3.7	01/02/18	1,446	19.1	1,217	-9.3	6,060	-4.8	56.8
2018	06/19/18	999	-0.7	01/31/19	1,297	-10.3	1,446	18.8	6,346	4.7	50.1
Forecast											
2019 (2)		993	-0.6		1,304	0.6	1,297	-10.3	6,099	-3.9	53.7
2020		1,012	1.9		1,303	-0.1	1,304	0.6	6,060	-0.6	53.0
2021		1,010	-0.2		1,296	-0.5	1,303	-0.1	6,037	-0.4	52.9
2022		1,031	2.1		1,311	1.2	1,296	-0.5	6,155	2.0	54.2
2023		1,027	-0.4		1,305	-0.5	1,311	1.2	6,194	0.6	53.9
2024		1,025	-0.3		1,299	-0.4	1,305	-0.5	6,175	-0.3	54.0
2025		1,022	-0.3		1,293	-0.4	1,299	-0.4	6,161	-0.2	54.1
2026		1,020	-0.2		1,289	-0.3	1,293	-0.4	6,145	-0.3	54.2
2027		1,018	-0.1		1,285	-0.3	1,289	-0.3	6,132	-0.2	54.3
2028		1,017	-0.1		1,282	-0.3	1,285	-0.3	6,121	-0.2	54.4
2029		1,017	0.0		1,278	-0.3	1,282	-0.3	6,120	0.0	54.5
2030		1,017	-0.1		1,274	-0.2	1,278	-0.3	6,108	-0.2	54.6
2031		1,017	0.0		1,272	-0.2	1,274	-0.2	6,101	-0.1	54.6
2032		1,017	0.0		1,269	-0.2	1,272	-0.2	6,092	-0.1	54.7
2033		1,016	0.0		1,265	-0.3	1,269	-0.2	6,089	-0.1	54.8
2034		1,017	0.1		1,263	-0.1	1,265	-0.3	6,084	-0.1	54.9
Average Annual Growth Rates:											
			-1.8			-6.1		-3.2		-2.7	
			0.0			-0.2		-0.2		0.0	

Notes: (1) Actual winter peak for year may occur in the 4th quarter of that year or in the 1st quarter of the following year.
 (2) Data for 2016 are nine months actual and three months forecast.

**Kentucky Power Jurisdiction
 DSM/Energy Efficiency Included in Load Forecast
 Energy (GWh) and Coincident Peak Demand (MW)**

Year	Kentucky Power DSM/EE		
	Energy	Summer* Demand	Winter* Demand
2020	0.0	0.0	0.0
2021	0.0	0.0	0.0
2022	0.0	0.0	0.0
2023	0.0	0.0	0.0
2024	0.0	0.0	0.0
2025	0.0	0.0	0.0
2026	0.0	0.0	0.0
2027	0.0	0.0	0.0
2028	0.0	0.0	0.0
2029	0.0	0.0	0.0
2030	0.0	0.0	0.0
2031	0.0	0.0	0.0
2032	0.0	0.0	0.0
2033	0.0	0.0	0.0
2034	0.0	0.0	0.0

***Demand coincident with Company's seasonal peak demand.**

Note: Winter demand may occur in the fourth quarter of the year or the first quarter of the following year.

Kentucky Power Company
Short-Term Load Forecast
Blended Forecast vs. Long-Term Model Results

Class	Sales	Customers
Residential	Long-Term	Long-Term
Commercial	Long-Term	Blend
Industrial	Long-Term	Long-Term
Other Retail	Long-Term	Long-Term

Blending Illustration

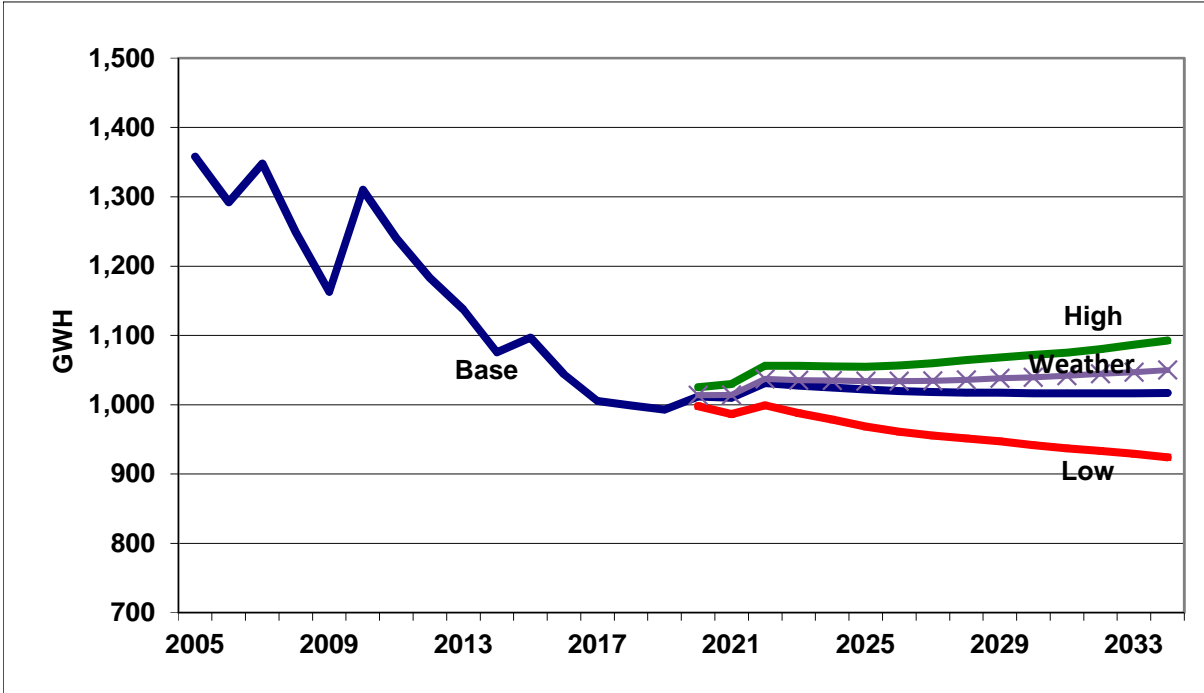
Month	Short-term Forecast	Weight	Long-term Forecast	Weight	Blended Forecast
1	1,000	100%	1,150	0%	1,000
2	1,010	100%	1,160	0%	1,010
3	1,020	100%	1,170	0%	1,020
4	1,030	100%	1,180	0%	1,030
5	1,040	83%	1,190	17%	1,065
6	1,050	67%	1,200	33%	1,100
7	1,060	50%	1,210	50%	1,135
8	1,070	33%	1,220	67%	1,170
9	1,080	17%	1,230	83%	1,205
10	1,090	0%	1,240	100%	1,240
11	1,100	0%	1,250	100%	1,250
12	1,110	0%	1,260	100%	1,260

Kentucky Power Company
Low, Base and High Case for
Forecasted Seasonal Peak Demands and Internal Energy Requirements
2020-2034

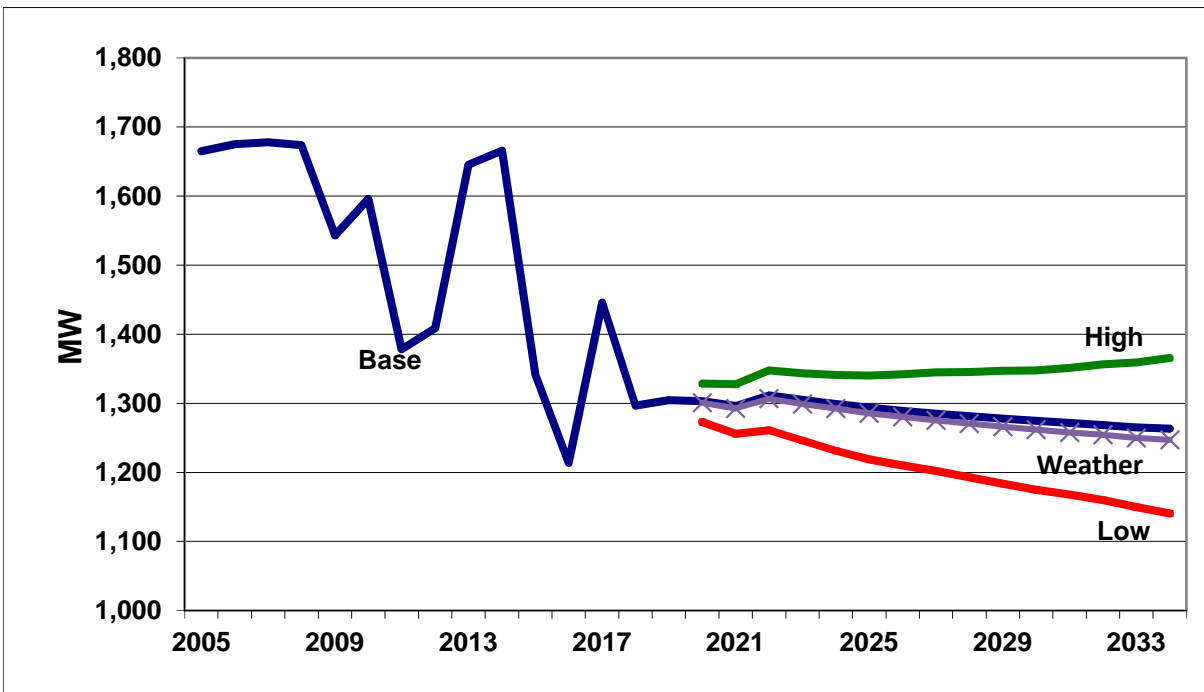
<u>Year</u>	<u>Summer Peak Internal Demands (MW)</u>			<u>Winter (Following) Peak Internal Demands (MW)</u>			<u>Internal Energy Requirements (GWH)</u>		
	<u>Low Case</u>	<u>Base Case</u>	<u>High Case</u>	<u>Low Case</u>	<u>Base Case</u>	<u>High Case</u>	<u>Low Case</u>	<u>Base Case</u>	<u>High Case</u>
2020	998	1,012	1,025	1,273	1,303	1,329	5,977	6,060	6,141
2021	986	1,010	1,030	1,256	1,296	1,327	5,897	6,037	6,155
2022	999	1,031	1,056	1,261	1,311	1,348	5,963	6,155	6,303
2023	988	1,027	1,056	1,246	1,305	1,344	5,956	6,194	6,366
2024	978	1,025	1,055	1,231	1,299	1,341	5,897	6,175	6,359
2025	969	1,022	1,055	1,219	1,293	1,340	5,839	6,161	6,361
2026	961	1,020	1,056	1,210	1,289	1,342	5,792	6,145	6,367
2027	956	1,018	1,060	1,202	1,285	1,345	5,756	6,132	6,383
2028	952	1,017	1,065	1,193	1,282	1,345	5,725	6,121	6,405
2029	947	1,017	1,068	1,184	1,278	1,347	5,697	6,120	6,424
2030	942	1,017	1,072	1,175	1,274	1,348	5,659	6,108	6,441
2031	937	1,017	1,075	1,168	1,272	1,351	5,623	6,101	6,452
2032	934	1,017	1,080	1,160	1,269	1,356	5,595	6,092	6,474
2033	929	1,016	1,087	1,150	1,265	1,359	5,568	6,089	6,509
2034	924	1,017	1,093	1,141	1,263	1,366	5,529	6,084	6,537
Average Annual Growth Rate % 2020-2034	-0.5	0.0	0.5	-0.8	-0.2	0.2	-0.6	0.0	0.4

Kentucky Power Company Peak Demand and Weather Range of Forecasts

Summer Peak Demand



Winter Peak Demand

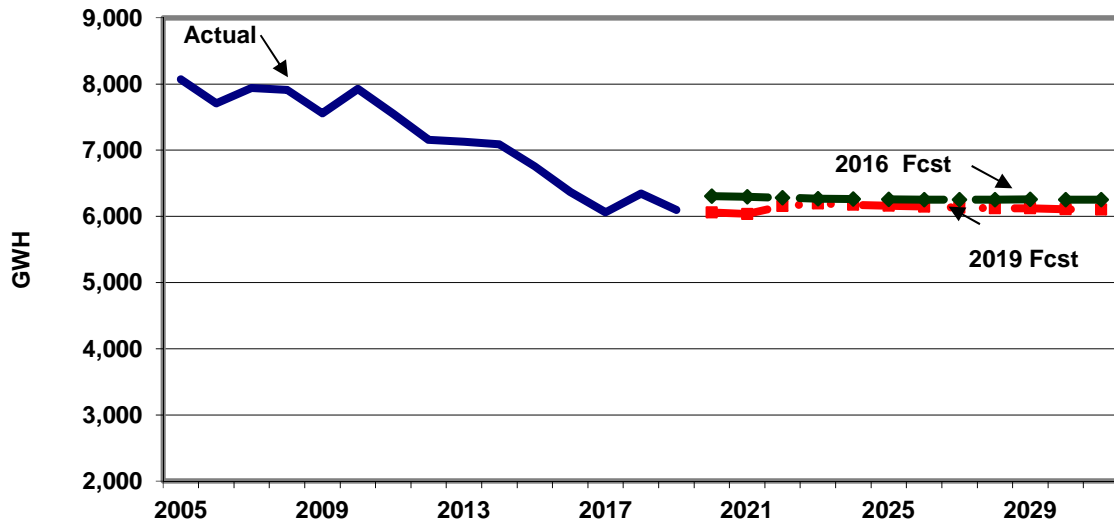


**Kentucky Power Company
 Total Internal Energy Requirements
 Comparison of 2016 and 2019 Forecasts**

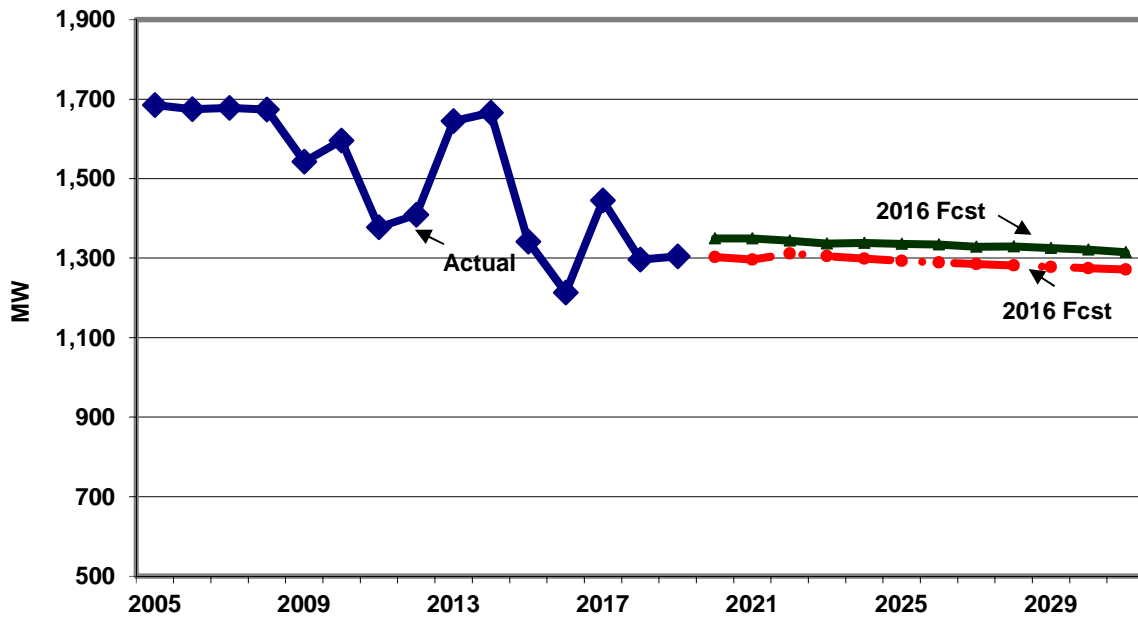
Forecast Year	2019	2016	Change From	
	Forecast	Forecast	2016 Forecast	
	GWH	GWH	GWH	Percent
2017	-	6,399	-	-
2018	-	6,349	-	-
2019	-	6,331	-	-
2020	6,060	6,304	-244	-3.9
2021	6,037	6,296	-259	-4.1
2022	6,155	6,280	-125	-2.0
2023	6,194	6,268	-75	-1.2
2024	6,175	6,262	-86	-1.4
2025	6,161	6,256	-95	-1.5
2026	6,145	6,253	-108	-1.7
2027	6,132	6,254	-121	-1.9
2028	6,121	6,254	-133	-2.1
2029	6,120	6,258	-138	-2.2
2030	6,108	6,254	-146	-2.3
2031	6,101	6,253	-152	-2.4
2017-2028 Growth Rate (%)	0.1	-0.1		

Kentucky Power Company Comparison of Forecasts

Internal Energy Requirements



Winter Peak Demand



**Kentucky Power Company
 Summer and Winter Following Peak Internal Demands
 Comparison of 2016 and 2019 Forecasts**

Forecast Year	Winter Following Peak				Summer Peak			
	2019 Forecast	2016 Forecast	Change From 2016 Forecast		2019 Forecast	2016 Forecast	Change From 2016 Forecast	
	MW	MW	MW	Percent	MW	MW	MW	Percent
2017	-	1,362	-	-	-	1,052	-	-
2018	-	1,358	-	-	-	1,043	-	-
2019	-	1,347	-	-	-	1,043	-	-
2020	1,303	1,350	-47	-3.5	1,012	1,038	-26	-2.5
2021	1,296	1,349	-53	-3.9	1,010	1,042	-32	-3.1
2022	1,311	1,344	-32	-2.4	1,031	1,044	-13	-1.3
2023	1,305	1,336	-31	-2.4	1,027	1,041	-14	-1.3
2024	1,299	1,338	-39	-2.9	1,025	1,038	-14	-1.3
2025	1,293	1,336	-43	-3.2	1,022	1,041	-19	-1.8
2026	1,289	1,334	-45	-3.4	1,020	1,040	-21	-2.0
2027	1,285	1,328	-43	-3.2	1,018	1,040	-22	-2.1
2028	1,282	1,329	-48	-3.6	1,017	1,038	-20	-2.0
2029	1,278	1,325	-48	-3.6	1,017	1,044	-27	-2.6
2030	1,274	1,321	-47	-3.5	1,017	1,043	-26	-2.5
2031	1,272	1,315	-43	-3.3	1,017	1,041	-25	-2.4
2020-2031 Growth Rate (%)	-0.2	-0.2			0.0	0.0		

Kentucky Power Company
Average Annual Number of Customers by Class
2014-2018

	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>
A. Residential					
1. Heating Customers	85,269	85,057	84,893	84,501	84,220
2. Nonheating Customers	53,689	52,887	52,120	51,389	50,739
3. Total	138,958	137,944	137,013	135,890	134,959
B. Commercial	30,387	30,458	30,293	30,143	30,088
C. Industrial					
1. Manufacturing	940	933	911	939	943
2. Mine Power	357	325	279	274	266
3. Total	1,296	1,258	1,191	1,213	1,209
D. Other Ultimate Sales					
1. Street Lighting	370	360	351	346	339
2. Other	0	0	0	0	0
3. Total	370	360	351	346	339
E. Total Ultimate Sales	171,011	170,020	168,847	167,592	166,594
F. Internal Sales for Resale					
1. Municipals	2	2	2	2	2
2. Other	0	0	0	0	0
3. Total	2	2	2	2	2
G. Total Internal Sales	171,013	170,022	168,849	167,594	166,596

**Kentucky Power Company
 Annual Internal Load by Class (GWH)
 2014-2018**

	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>
A. Residential					
1. Heating Customers	1,640	1,519	1,468	1,338	1,506
2. Nonheating Customers	711	673	660	595	653
3. Total	2,350	2,192	2,129	1,933	2,159
B. Commercial	1,361	1,323	1,315	1,240	1,276
C. Industrial					
1. Manufacturing	2,198	2,164	2,041	2,036	2,052
2. Mine Power	612	530	367	371	351
3. Total	2,810	2,693	2,408	2,407	2,402
D. Other Ultimate Sales					
1. Street Lighting	11	10	10	11	11
2. Other	0	0	0	0	0
3. Total	11	10	10	11	11
E. Total Ultimate Sales	6,532	6,219	5,863	5,590	5,848
F. Internal Sales for Resale					
1. Municipals	95	90	85	80	85
2. Other	0	0	0	0	0
3. Total	95	90	85	80	85
G. Total Internal Sales	6,627	6,309	5,948	5,670	5,933
H. Losses	464	445	419	390	413
I. Total Internal Load	7,091	6,754	6,367	6,060	6,346

**Kentucky Power Company
 Wholesale Customers
 Coincident Seasonal Demand (MW) and Annual Energy (MWh)
 2014-2018**

Year	Summer Coincident Demand		Winter Following Coincident Demand		Energy	
	Vanceburg	Olive Hill	Vanceburg	Olive Hill	Vanceburg	Olive Hill
2014	11.3	4.6	16.0	7.3	69,887.8	26,385.6
2015	11.6	4.7	12.8	5.6	65,736.7	24,792.9
2016	10.7	4.6	11.0	5.0	60,920.5	24,533.0
2017	10.4	4.4	13.8	6.1	56,987.4	22,658.0
2018	9.0	3.4	14.0	6.1	61,131.8	24,290.1

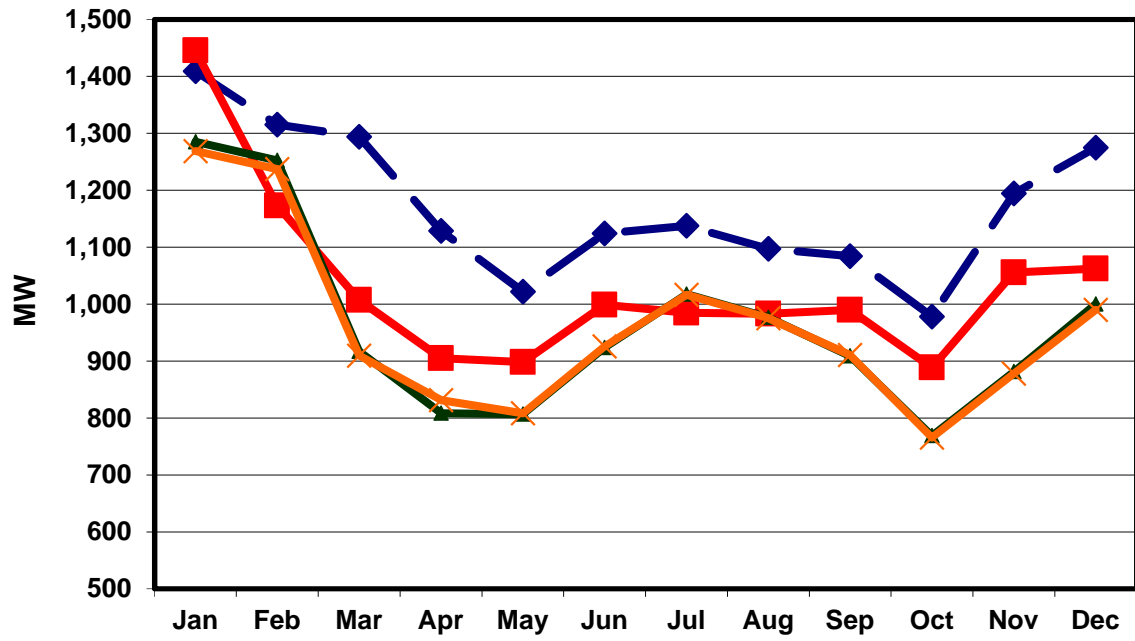
**Kentucky Power Company
 Recorded and Weather-Normalized Peak Load (MW) and Energy (GWH)
 2014-2018**

<u>Kentucky Power Company</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>
A. Peak Load - Summer					
1. Recorded	1,076	1,097	1,044	1,006	999
2. Weather-Normalized	1,160	1,134	1,043	1,035	983
B. Peak Load - Winter					
1. Recorded	1,666	1,342	1,214	1,446	1,297
2. Weather-Normalized	1,317	1,399	1,332	1,355	1,315
C. Energy					
1. Recorded	7,091	6,754	6,367	6,060	6,346
2. Weather-Normalized	6,993	6,763	6,341	6,220	6,195

Kentucky Power Company
Normalized Annual Internal Sales by Class (GWH)
2014-2018

	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>
A. Residential	2,287	2,198	2,115	2,042	2,056
B. Commercial	1,355	1,327	1,303	1,268	1,248
C. Industrial	2,810	2,693	2,408	2,407	2,402
D. Other Ultimate Sales	11	10	10	10	10
E. Total Ultimate Sales	6,463	6,229	5,836	5,726	5,716
F. Internal Sales for Resale	95	90	84	82	84
G. Total Internal Sales	6,557	6,319	5,921	5,808	5,800

**Kentucky Power Company
 Profiles of Monthly Peak Internal Demands
 2013 and 2018 (Actual)
 2028 and 2033 (Forecast)**



KENTUCKY POWER COMPANY LOAD FORECAST DATA SOURCES OUTSIDE THE COMPANY					
DATA SERIES	FREQUENCY	GEOGRAPHIC	INTERVAL	SOURCE	ADJUSTMENT
Average Daily Temperatures at time of Daily Peak Load	Daily	Selected weather stations throughout the AEP System	1982-2018	NOAA (1)	None
Heating and Cooling Degree-Days	Monthly	Selected weather stations throughout the AEP System	1/82-01/19	NOAA (1)	None
Implicit GDP Price Deflator	Monthly	U. S.	1984:1-2054:12	Moody's Analytics (2)	None
Kentucky Natural Gas Prices by Sector	Monthly	U. S., Kentucky	1973-2018	DOE/EIA (3)	None
U.S. Natural Gas Prices Forecast by Sector	Annually	U. S., East North Central Region	2017-2050	DOE/EIA (4)	None
U.S. Electric Prices Forecast by Sector	Annually	U. S., East North Central Region	2017-2050	DOE/EIA (4)	None
U. S. Coal Production and Consumption	Annually	U. S., Central Appalachia	1975-2050	DOE/EIA (4)	None
Eastern Kentucky Coal Production	Monthly	Eastern Kentucky DOE Region	1991-2018	DOE/EIA	None
Employment (Total and Selected Sectors), Gross Regional Product, Personal Income and Population	Montly	Selected Kentucky Counties	1980-2054	Moody's Analytics (2)	None

Source Citations:

- (1) "Local Climatological Data," National Oceanographic and Atmospheric Administration.
- (2) December 2018 Forecast, Moody's Analytics.
- (3) U. S. Department of Energy/Energy Information Administration "Natural Gas Monthly", Selected Issues.
- (4) U. S. Department of Energy/Energy Information Administration "2019 Annual Energy Outlook" and "Weekly and Monthly Coal Production," Selected Issues.

Kentucky Power Company
Residential Energy Sales
2016-2018
Actual vs. 2016 IRP

Residential Energy Sales -GWH				
Year	Actual	2016 Forecast	GWH Difference	% Difference
2016	2,129	2,153	-25	-1.1
2017	1,933	2,125	-192	-9.0
2018	2,159	2,085	73	3.5
Year	Weather Normalized	2016 Forecast	GWH Difference	% Difference
2016	2,115	2,153	-38	-1.8
2017	2,042	2,125	-83	-3.9
2018	2,056	2,085	-29	-1.4

**Kentucky Power Company
 Seasonal Peak Demands
 2016-2018
 Actual vs. 2016 Forecast**

Summer Peak Demand - MW					Winter Peak Demand - MW				
Summer	Actual	2016 Forecast	MW Difference	% Difference	Winter	Actual	2016 Forecast	MW Difference	% Difference
2016	1,044	1,044	0	0.0	2016/17	1,214	1,374	-161	-11.7
2017	1,006	1,052	-46	-4.4	2017/18	1,446	1,362	84	6.2
2018	999	1,043	-44	-4.3	2018/19	1,297	1,358	-61	-4.5
Summer	Weather Normalized	2016 Forecast	MW Difference	% Difference	Winter	Weather Normalized	2016 Forecast	MW Difference	% Difference
2016	1,043	1,044	-1	-0.1	2016/17	1,332	1,374	-43	-3.1
2017	1,035	1,052	-17	-1.7	2017/18	1,355	1,362	-7	-0.5
2018	983	1,043	-60	-5.8	2018/19	1,315	1,358	-42	-3.1



Exhibit D – New Generation Technologies

AEP System
New Generation Technologies
Key Supply-Side Resource Option Assumptions (a)(b)(c)

Type	Capability (MW) (d)			Installed Cost (c,e) (\$/kW)	Full Load Heat Rate (HHV,Btu/kWh)	Fuel Cost (\$/MBtu)	Variable O&M (\$/MWh)	Fixed O&M (\$/kW-yr)	SO2 (Lb/mmBtu)	Emission Rates		Capacity Factor (%)	LCOE (f) (\$/MWh)
	Std. ISO	Summer	Winter							NOx (Lb/mmBtu)	CO2 (Lb/mmBtu)		
Base Load													
Nuclear	1,610	1,560	1,690	8,500	10,500	0.94	3.99	168.33	0.000	0.000	0.0	80	174.3
Pulv. Coal with Carbon Capture (PRB)	540	520	570	9,500	12,500	2.42	4.37	104.12	0.065	0.050	21.3	75	216.6
Combined Cycle (1X1 "J" Class)	610	800	820	900	6,200	3.42	1.77	12.86	0.001	0.008	117.1	75	60.2
Combined Cycle (2X1 "J" Class)	1,230	1,600	1,640	700	6,200	3.42	1.55	10.65	0.001	0.008	117.1	75	56.1
Combined Cycle (2X1 "H" Class)	1,150	1,490	1,530	700	6,300	3.42	1.51	11.07	0.001	0.008	117.1	75	56.9
Peaking													
Combustion Turbine (2 - "E" Class) (g)	180	190	190	1,200	11,700	3.42	4.05	30.46	0.001	0.008	117.1	25	148.9
Combustion Turbine (2 - "F" Class, w/evap coolers) (g)	490	500	510	700	10,000	3.42	6.27	24.55	0.001	0.008	117.1	25	117.2
Aero-Derivative (2 - Small Machines) (g)	120	120	120	1,100	9,900	3.42	2.51	32.17	0.001	0.008	117.1	25	135.7
Recip Engine Farm	220	220	230	1,300	8,300	3.42	5.36	13.91	0.001	0.042	110.0	25	126.6
Battery	10	10	10	1,900	83% (h)	0.00	0.00	38.99	0.000	0.000	0.0	25	157.1

- Notes: (a) Installed cost, capability and heat rate numbers have been rounded
 (b) All costs in 2019 dollars, except as noted.
 (c) \$/kW costs are based on summer capability
 (d) All Capabilities are at 1,000 feet above sea level
 (e) Total Plant Investment Cost w/AFUDC (AEP-East rate of 5.5%,site rating \$/kW)
 (f) Levelized cost of energy based on capacity factors shown in table
 (g) Includes SCR environmental installation
 (h) Denotes efficiency, (w/ power electronics)



Exhibit E1 – Case and Scenario Results – Resource Capacity Additions

Commodity Pricing Scenario		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	
Base	New Nat. Gas												122	122	122	122	122	122	122	122	122	
	New Solar (Nameplate)					152	152	152	152	152	152	304	455	455	455	455	455	455	455	455	455	
	New Solar (Firm)					78	78	78	78	78	78	155	233	233	233	233	233	233	233	233	233	
	New Wind (Nameplate)				200	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
	New Wind (Firm)				25	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
	New EE			6	12	18	17	15	13	11	10	8	6	4	3	2	1	0	0	0	0	0
	New VVO				4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	New DG				1	2	2	2	2	2	3	3	4	4	4	4	5	5	5	5	6	6
	STMP			150	100																	
Capacity Reserves (MW) without new additions	236	232	(141)	(141)	(138)	(136)	(133)	(132)	(131)	(131)	(130)	(392)	(392)	(392)	(392)	(393)	(394)	(394)	(394)	(394)	(395)	
Capacity Reserves (MW) with new additions	236	232	15	1	0	2	2	2	1	0	77	13	12	11	10	8	7	7	3	3	3	
Low Band	New Nat. Gas												122	122	122	122	122	122	122	122	122	
	New Solar (Nameplate)				51	202	202	202	202	202	202	304	455	455	455	455	455	455	455	455	455	
	New Solar (Firm)				26	103	103	103	103	103	103	155	233	233	233	233	233	233	233	233	233	
	New Wind (Nameplate)				200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
	New Wind (Firm)				25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	New EE			5	11	14	13	11	10	9	7	8	9	9	8	7	5	4	3	2	2	2
	New VVO															3	7	7	7	7	7	10
	New DG				1	2	2	2	2	2	3	3	4	4	4	5	5	5	5	6	6	6
	STMP			150	100																	
Capacity Reserves (MW) without new additions	236	232	(141)	(141)	(138)	(136)	(133)	(132)	(131)	(131)	(130)	(392)	(392)	(392)	(392)	(393)	(394)	(394)	(394)	(394)	(395)	
Capacity Reserves (MW) with new additions	236	232	14	21	5	7	8	8	8	7	61	0	0	0	1	3	1	1	0	2	2	
High Band	New Nat. Gas												122	122	122	122	122	122	122	122	122	
	New Solar (Nameplate)					152	152	152	152	152	152	304	455	455	455	455	455	455	455	455	455	
	New Solar (Firm)					78	78	78	78	78	78	155	233	233	233	233	233	233	233	233	233	
	New Wind (Nameplate)				200	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	500	500
	New Wind (Firm)				25	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	62	62
	New EE			9	16	20	18	16	14	11	9	7	5	4	2	1	1	0	0	0	0	0
	New VVO																					
	New DG				1	2	2	2	2	2	3	3	4	4	4	5	5	5	5	6	6	6
	STMP			150	100																	
Capacity Reserves (MW) without new additions	236	232	(141)	(141)	(138)	(136)	(133)	(132)	(131)	(131)	(130)	(392)	(392)	(392)	(392)	(393)	(394)	(394)	(394)	(394)	(395)	
Capacity Reserves (MW) with new additions	236	232	18	0	10	11	11	11	9	7	85	21	19	19	17	16	15	15	28	27	27	
No Carbon	New Nat. Gas												122	122	122	122	122	122	122	122	122	
	New Solar (Nameplate)				51	202	202	202	202	202	202	304	455	455	455	455	455	455	455	455	455	
	New Solar (Firm)				26	103	103	103	103	103	103	155	233	233	233	233	233	233	233	233	233	
	New Wind (Nameplate)				200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
	New Wind (Firm)				25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	New EE			6	11	16	14	13	11	10	8	8	9	9	8	7	5	4	3	2	2	2
	New VVO															3	7	7	7	7	7	10
	New DG				1	2	2	2	2	2	3	3	4	4	4	5	5	5	5	6	6	6
	STMP			150	100																	
Capacity Reserves (MW) without new additions	236	232	(141)	(141)	(138)	(136)	(133)	(132)	(131)	(131)	(130)	(392)	(392)	(392)	(392)	(393)	(394)	(394)	(394)	(394)	(395)	
Capacity Reserves (MW) with new additions	236	232	15	21	7	8	9	10	9	7	61	0	0	0	1	3	1	1	0	2	2	
Low Load	New Nat. Gas																					
	New Solar (Nameplate)				51	51	51	51	51	51	202	455	455	455	455	455	455	455	455	455	455	
	New Solar (Firm)				26	26	26	26	26	26	103	233	233	233	233	233	233	233	233	233	233	
	New Wind (Nameplate)				200	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	New Wind (Firm)				25	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
	New EE			6	11	16	15	14	13	13	13	15	15	12	9	7	5	4	3	2	1	1
	New VVO											4	8	8	8	8	8	8	8	8	8	8
	New DG				1	2	2	2	2	2	3	3	4	4	4	5	5	5	5	6	6	6
	STMP			150	100																	
Capacity Reserves (MW) without new additions	236	232	(141)	(100)	(90)	(79)	(71)	(66)	(62)	(57)	(51)	(308)	(304)	(300)	(295)	(289)	(284)	(278)	(273)	(270)	(270)	
Capacity Reserves (MW) with new additions	236	232	15	37	3	13	20	25	28	34	124	0	1	3	6	10	14	19	23	26	26	
High Load	New Nat. Gas												401	401	401	401	401	401	401	401	401	
	New Solar (Nameplate)				101	253	253	253	253	304	304	304	455	455	455	455	455	455	455	455	455	
	New Solar (Firm)				52	129	129	129	129	155	155	155	233	233	233	233	233	233	233	233	233	
	New Wind (Nameplate)				200	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
	New Wind (Firm)				25	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
	New EE			6	11	14	13	12	10	9	7	5	4	3	2	1	0	0	0	0	0	0
	New VVO																					
	New DG				1	2	2	2	2	2	3	3	4	4	4	5	5	5	5	6	6	6
	STMP			150	100																	
Capacity Reserves (MW) without new additions	236	232	(141)	(172)	(171)	(171)	(172)	(176)	(181)	(184)	(188)	(453)	(459)	(466)	(472)	(480)	(488)	(495)	(505)	(517)	(517)	
Capacity Reserves (MW) with new additions	236	232	15	17	11	10	7	3	22	17	12	225	218	211	204	196	188	181	171	160	160	

IRP Base Commodity Pricing Scenario		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	
Case 7 (CT in 2023)	New Nat. Gas				248	248	248	248	248	248	248	248	248	248	248	248	248	248	248	248	248	
	New Solar (Nameplate)											152	455	455	455	455	455	455	455	455	455	
	New Solar (Firm)											78	233	233	233	233	233	233	233	233	233	
	New Wind (Nameplate)				200	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
	New Wind (Firm)				25	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
	New EE			6	11	14	13	12	10	9	7	5	4	3	2	1	0	0	0	0	0	0
	New VVO																					
	New DG				1	2	2	2	2	2	3	3	4	4	4	5	5	5	5	6	6	6
	STMP			150																		
Capacity Reserves (MW) without new additions	236	232	(141)	(141)	(138)	(136)	(133)	(132)	(131)	(131)	(130)	(392)	(392)	(392)	(392)	(393)	(394)	(394)	(394)	(394)	(395)	
Capacity Reserves (MW) with new additions	236	232	15	143	162	164	165	165	165	164	241	133	132	132	131	130	129	129	129	129	128	
Case 8 (CC in 2024)	New Nat. Gas					401	401	401	401	401	401	401	401	401	401	401	401	401	401	401	401	
	New Solar (Nameplate)											152	455	455	455	455	455	455	455	455	455	
	New Solar (Firm)											78	233	233	233	233	233	233	233	233	233	
	New Wind (Nameplate)				200	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
	New Wind (Firm)				25	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
	New EE			9	16	19	17	15	12	10	8	6	5	3	2	1	1	0	0	0	0	0
	New VVO																					
	New DG				1	2	2	2	2	2	3	3	4	4	4	5	5	5	5	6	6	6
	STMP			150	100																	
Capacity Reserves (MW) without new additions	236	232	(141)	(141)	(138)	(136)	(133)	(132)	(131)	(131)	(130)	(392)	(392)	(392)	(392)	(393)	(394)	(394)	(394)	(394)	(395)	
Capacity Reserves (MW) with new additions	236	232	18	0	320	320	321	321	319	318	395	287	285	285	284	283	282	282	282	282	281	

Stakeholder Base Commodity Pricing Scenario		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	
SH-Market	New Nat. Gas												122	122	122	122	122	122	122	122	122	
	New Solar (Nameplate)						253	253	253	253	253	304	455	455	455	455	455	455	455	455	455	455
	New Solar (Firm)						129	129	129	129	129	155	233	233	233	233	233	233	233	233	233	233
	New Wind (Nameplate)												100	100	100	100	100	100	200	200	200	200
	New Wind (Firm)												12	12	12	12	12	12	25	25	25	25
	New EE						5	5	5	6	6	9	11	11	10	11	11	8	6	4	3	3
	New VVO										4	8	10	10	10	10	10	10	10	10	10	10
	New DG				1	2	2	2	2	2	2	3	3	4	4	4	5	5	5	5	6	6
STMP			150	150	150																	
Capacity Reserves (MW) without new additions		236	232	(141)	(141)	(138)	(136)	(133)	(132)	(131)	(131)	(130)	(392)	(392)	(392)	(392)	(393)	(394)	(394)	(394)	(395)	
Capacity Reserves (MW) with new additions		236	232	9	10	13	0	3	5	7	11	57	0	0	0	0	0	9	7	5	3	
SH-Solar + Wind	New Nat. Gas												122	122	122	122	122	122	122	122	122	
	New Solar (Nameplate)			304	304	304	304	304	304	304	304	304	455	455	455	455	455	455	455	455	455	455
	New Solar (Firm)			155	155	155	155	155	155	155	155	155	233	233	233	233	233	233	233	233	233	233
	New Wind (Nameplate)			200	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
	New Wind (Firm)			25	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
	New EE																					
	New VVO																					
	New DG				1	2	2	2	2	2	3	3	4	4	4	5	5	5	5	6	6	6
STMP																						
Capacity Reserves (MW) without new additions		236	232	(141)	(141)	(138)	(136)	(133)	(132)	(131)	(131)	(130)	(392)	(392)	(392)	(392)	(393)	(394)	(394)	(394)	(395)	
Capacity Reserves (MW) with new additions		236	232	14	39	55	58	60	62	63	64	65	3	3	4	4	3	3	3	3	2	
SH-CT Only	New Nat. Gas				248	248	248	248	248	248	248	248	248	248	248	248	248	248	248	248	248	
	New Solar (Nameplate)												304	455	455	455	455	455	455	455	455	
	New Solar (Firm)												155	233	233	233	233	233	233	233	233	
	New Wind (Nameplate)																					
	New Wind (Firm)																					
	New EE																					
	New VVO																					
	New DG				1	2	2	2	2	2	3	3	4	4	4	5	5	5	5	6	6	6
STMP			150																			
Capacity Reserves (MW) without new additions		236	232	(141)	(141)	(138)	(136)	(133)	(132)	(131)	(131)	(130)	(392)	(392)	(392)	(392)	(393)	(394)	(394)	(394)	(395)	
Capacity Reserves (MW) with new additions		236	232	9	108	111	114	116	118	119	120	121	15	92	93	93	92	92	92	92	92	
SH-CC Only	New Nat. Gas					401	401	401	401	401	401	401	401	401	401	401	401	401	401	401	401	
	New Solar (Nameplate)												304	455	455	455	455	455	455	455	455	
	New Solar (Firm)												155	233	233	233	233	233	233	233	233	
	New Wind (Nameplate)																					
	New Wind (Firm)																					
	New EE																					
	New VVO																					
	New DG				1	2	2	2	2	2	3	3	4	4	4	5	5	5	5	6	6	6
STMP			150	150																		
Capacity Reserves (MW) without new additions		236	232	(141)	(141)	(138)	(136)	(133)	(132)	(131)	(131)	(130)	(392)	(392)	(392)	(392)	(393)	(394)	(394)	(394)	(395)	
Capacity Reserves (MW) with new additions		236	232	9	10	264	267	269	271	272	273	274	168	245	246	246	245	245	245	245	245	

Stakeholder High Commodity Pricing Scenario		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039
Market Only-High	New Nat. Gas												122	122	122	122	122	122	122	122	122
	New Solar (Nameplate)						253	253	253	253	253	304	455	455	455	455	455	455	455	455	455
	New Solar (Firm)						129	129	129	129	129	155	233	233	233	233	233	233	233	233	233
	New Wind (Nameplate)										100	100	200	200	200	200	200	300	300	400	400
	New Wind (Firm)									12	12	25	25	25	25	25	25	37	37	49	49
	New EE						1	1	1	1	1	4	5	5	4	4	5	4	3	2	1
	New VVO						4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	New DG				1	2	2	2	2	2	3	3	4	4	4	5	5	5	5	6	6
STMP			150	150	150																
Capacity Reserves (MW) without new additions		236	232	(141)	(141)	(138)	(136)	(133)	(132)	(131)	(131)	(130)	(392)	(392)	(392)	(392)	(393)	(394)	(394)	(394)	(395)
Capacity Reserves (MW) with new additions		236	232	9	10	13	0	3	5	18	18	61	0	0	0	0	11	10	21	20	
Solar + Wind-High	New Nat. Gas												122	122	122	122	122	122	122	122	122
	New Solar (Nameplate)			304	304	304	304	304	304	304	304	304	455	455	455	455	455	455	455	455	455
	New Solar (Firm)			155	155	155	155	155	155	155	155	155	233	233	233	233	233	233	233	233	233
	New Wind (Nameplate)				200	400	400	400	400	400	400	400	400	400	400	400	400	400	400	500	500
	New Wind (Firm)				25	49	49	49	49	49	49	49	49	49	49	49	49	49	49	62	62
	New EE																				
	New VVO																				
	New DG				1	2	2	2	2	2	3	3	4	4	4	5	5	5	5	6	6
STMP																					
Capacity Reserves (MW) without new additions		236	232	(141)	(141)	(138)	(136)	(133)	(132)	(131)	(131)	(130)	(392)	(392)	(392)	(392)	(393)	(394)	(394)	(394)	(395)
Capacity Reserves (MW) with new additions		236	232	14	39	67	70	73	75	76	76	77	16	16	16	16	16	15	15	28	27
CT Only-High	New Nat. Gas				248	248	248	248	248	248	248	248	248	248	248	248	248	248	248	248	248
	New Solar (Nameplate)												304	455	455	455	455	455	455	455	455
	New Solar (Firm)												155	233	233	233	233	233	233	233	233
	New Wind (Nameplate)																	100	200	300	400
	New Wind (Firm)																	12	25	37	49
	New EE																				
	New VVO																				
	New DG				1	2	2	2	2	2	3	3	4	4	4	5	5	5	5	6	6
STMP			150																		
Capacity Reserves (MW) without new additions		236	232	(141)	(141)	(138)	(136)	(133)	(132)	(131)	(131)	(130)	(392)	(392)	(392)	(392)	(393)	(394)	(394)	(394)	(395)
Capacity Reserves (MW) with new additions		236	232	9	108	111	114	116	118	119	120	121	15	92	93	93	92	104	117	129	141
CC Only-High	New Nat. Gas					401	401	401	401	401	401	401	401	401	401	401	401	401	401	401	401
	New Solar (Nameplate)												304	455	455	455	455	455	455	455	455
	New Solar (Firm)												155	233	233	233	233	233	233	233	233
	New Wind (Nameplate)																	100	200	300	400
	New Wind (Firm)																	12	25	37	49
	New EE																				
	New VVO																				
	New DG				1	2	2	2	2	2	3	3	4	4	4	5	5	5	5	6	6
STMP			150	150																	
Capacity Reserves (MW) without new additions		236	232	(141)	(141)	(138)	(136)	(133)	(132)	(131)	(131)	(130)	(392)	(392)	(392)	(392)	(393)	(394)	(394)	(394)	(395)
Capacity Reserves (MW) with new additions		236	232	9	10	264	267	269	271	272	273	274	168	245	246	246	245	257	270	282	294

Stakeholder Low Commodity Pricing Scenario		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039
Market Only-Low	New Nat. Gas												248	248	248	248	248	248	248	248	248
	New Solar (Nameplate)						253	253	253	253	253	253	405	405	405	405	405	405	405	405	405
	New Solar (Firm)						129	129	129	129	129	129	207	207	207	207	207	207	207	207	207
	New Wind (Nameplate)																				
	New Wind (Firm)																				
	New EE						5	5	4	4	3	3	3	2	1	1	1	0	0	0	0
	New VVO																				
	New DG				1	2	2	2	2	2	3	3	4	4	4	5	5	5	5	6	6
STMP			150	150	150																
Capacity Reserves (MW) without new additions	236	232	(141)	(141)	(138)	(136)	(133)	(132)	(131)	(131)	(130)	(392)	(392)	(392)	(392)	(393)	(394)	(394)	(394)	(395)	
Capacity Reserves (MW) with new additions	236	232	9	10	13	0	2	4	4	4	5	69	69	69	68	67	66	66	66	66	
Solar + Wind-Low	New Nat. Gas												248	248	248	248	248	248	248	248	248
	New Solar (Nameplate)			304	304	304	304	304	304	304	304	304	455	455	455	455	455	455	455	455	455
	New Solar (Firm)			155	155	155	155	155	155	155	155	155	233	233	233	233	233	233	233	233	233
	New Wind (Nameplate)																				
	New Wind (Firm)																				
	New EE																				
	New VVO																				
	New DG				1	2	2	2	2	2	3	3	4	4	4	5	5	5	5	6	6
STMP																					
Capacity Reserves (MW) without new additions	236	232	(141)	(141)	(138)	(136)	(133)	(132)	(131)	(131)	(130)	(392)	(392)	(392)	(392)	(393)	(394)	(394)	(394)	(395)	
Capacity Reserves (MW) with new additions	236	232	14	15	18	21	23	25	26	27	28	92	92	93	93	92	92	92	92	92	
CT Only-Low	New Nat. Gas				248	248	248	248	248	248	248	248	248	248	248	248	248	248	248	248	248
	New Solar (Nameplate)												304	304	304	304	304	304	304	304	304
	New Solar (Firm)												155	155	155	155	155	155	155	155	155
	New Wind (Nameplate)																				
	New Wind (Firm)																				
	New EE																				
	New VVO																				
	New DG				1	2	2	2	2	2	3	3	4	4	4	5	5	5	5	6	6
STMP			150																		
Capacity Reserves (MW) without new additions	236	232	(141)	(141)	(138)	(136)	(133)	(132)	(131)	(131)	(130)	(392)	(392)	(392)	(392)	(393)	(394)	(394)	(394)	(395)	
Capacity Reserves (MW) with new additions	236	232	9	108	111	114	116	118	119	120	121	15	15	16	15	15	14	15	15	14	
CC Only-Low	New Nat. Gas					401	401	401	401	401	401	401	401	401	401	401	401	401	401	401	401
	New Solar (Nameplate)												152	152	152	152	152	152	152	152	152
	New Solar (Firm)												78	78	78	78	78	78	78	78	78
	New Wind (Nameplate)																				
	New Wind (Firm)																				
	New EE																				
	New VVO																				
	New DG				1	2	2	2	2	2	3	3	4	4	4	5	5	5	5	6	6
STMP			150	150																	
Capacity Reserves (MW) without new additions	236	232	(141)	(141)	(138)	(136)	(133)	(132)	(131)	(131)	(130)	(392)	(392)	(392)	(392)	(393)	(394)	(394)	(394)	(395)	
Capacity Reserves (MW) with new additions	236	232	9	10	264	267	269	271	272	273	274	90	90	91	91	90	90	90	90	89	

Stakeholder No Carbn Commodity Pricing Scenario	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	
Market Only- NoCarb	New Nat. Gas											248	248	248	248	248	248	248	248	248	
	New Solar (Nameplate)					253	253	253	253	253	253	405	405	405	405	405	405	405	405	405	
	New Solar (Firm)					129	129	129	129	129	129	207	207	207	207	207	207	207	207	207	
	New Wind (Nameplate)																				
	New Wind (Firm)																				
	New EE					5	5	4	4	3	3	3	2	1	1	1	0	0	0	0	
	New VVO																				
	New DG				1	2	2	2	2	2	3	3	4	4	4	5	5	5	5	6	6
STMP			150	150	150																
Capacity Reserves (MW) without new additions	236	232	(141)	(141)	(138)	(136)	(133)	(132)	(131)	(131)	(130)	(392)	(392)	(392)	(392)	(393)	(394)	(394)	(394)	(395)	
Capacity Reserves (MW) with new additions	236	232	9	10	13	0	2	4	4	4	5	69	69	69	68	67	66	66	66	66	
Solar + Wind- NoCarb	New Nat. Gas											122	122	122	122	122	122	122	122	122	
	New Solar (Nameplate)			304	304	304	304	304	304	304	304	455	455	455	455	455	455	455	455	455	
	New Solar (Firm)			155	155	155	155	155	155	155	155	233	233	233	233	233	233	233	233	233	
	New Wind (Nameplate)				200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	
	New Wind (Firm)				25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	New EE											2	1	1	1	1	1	0	0	0	
	New VVO										4	8	8	8	10	10	10	10	10	10	
	New DG				1	2	2	2	2	2	3	3	4	4	4	5	5	5	5	6	6
STMP																					
Capacity Reserves (MW) without new additions	236	232	(141)	(141)	(138)	(136)	(133)	(132)	(131)	(131)	(130)	(392)	(392)	(392)	(392)	(393)	(394)	(394)	(394)	(395)	
Capacity Reserves (MW) with new additions	236	232	14	39	43	46	48	50	51	51	57	0	0	0	3	2	1	2	1	1	
CT Only- NoCarb	New Nat. Gas				248	248	248	248	248	248	248	248	248	248	248	248	248	248	248	248	
	New Solar (Nameplate)											304	304	304	304	304	304	304	304	304	
	New Solar (Firm)											155	155	155	155	155	155	155	155	155	
	New Wind (Nameplate)																				
	New Wind (Firm)																				
	New EE																				
	New VVO																				
	New DG				1	2	2	2	2	2	3	3	4	4	4	5	5	5	5	6	6
STMP			150																		
Capacity Reserves (MW) without new additions	236	232	(141)	(141)	(138)	(136)	(133)	(132)	(131)	(131)	(130)	(392)	(392)	(392)	(392)	(393)	(394)	(394)	(394)	(395)	
Capacity Reserves (MW) with new additions	236	232	9	108	111	114	116	118	119	120	121	15	15	16	15	15	14	15	15	14	
CC Only- NoCarb	New Nat. Gas					401	401	401	401	401	401	401	401	401	401	401	401	401	401	401	
	New Solar (Nameplate)											152	152	152	152	152	152	152	152	152	
	New Solar (Firm)											78	78	78	78	78	78	78	78	78	
	New Wind (Nameplate)																				
	New Wind (Firm)																				
	New EE																				
	New VVO																				
	New DG				1	2	2	2	2	2	3	3	4	4	4	5	5	5	5	6	6
STMP			150	150																	
Capacity Reserves (MW) without new additions	236	232	(141)	(141)	(138)	(136)	(133)	(132)	(131)	(131)	(130)	(392)	(392)	(392)	(392)	(393)	(394)	(394)	(394)	(395)	
Capacity Reserves (MW) with new additions	236	232	9	10	264	267	269	271	272	273	274	90	90	91	91	90	90	90	90	89	



Exhibit E2 – Case and Scenario Results – Costs & Energy Positions

**Kentucky POWER COMPANY
 2019 INTEGRATED RESOURCE PLAN**

Preferred Plan w ST PPA Only Allowed 2022-2024 and Limited EE Base Band Commodity Pricing and Allowance Market Pricing

Utility Costs (Nominal\$000)									
	(1) Load Cost	(2) Fuel Costs	(3) Emission Costs	(4) (Incremental) Existing System FOM and OGC	(5) (Incremental) Variable O&M + Fixed O&M + Lease Costs + PPA Costs	(6) (Incremental) Capital + Renewable + Energy Efficiency + VVO Program Costs	(7) Contract (Revenue)/Cost	(8) Less: Market Revenue	(9)=(1)thru(7)-(8) GRAND TOTAL, Net Utility Costs
	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000
2020	177,346	142,840	10,826	53,709	28,482	0	(3,269)	173,954	235,980
2021	178,063	133,472	11,813	72,592	27,896	0	(3,280)	161,162	259,394
2022	188,272	147,068	14,413	75,935	34,365	1,212	(4,819)	191,145	265,301
2023	197,404	110,707	7,801	69,537	15,339	10,257	(5,010)	159,810	246,226
2024	205,528	108,913	7,520	61,230	15,440	24,615	(5,209)	168,897	249,139
2025	211,489	111,920	7,951	56,321	15,785	23,587	(5,368)	173,952	247,734
2026	217,269	120,732	8,526	50,030	16,446	23,577	(5,504)	184,530	246,545
2027	225,225	118,742	8,350	48,815	16,451	23,565	(5,701)	181,156	254,291
2028	279,834	86,066	47,721	49,255	20,909	35,401	(7,054)	189,575	322,557
2029	280,873	88,803	51,548	47,861	21,874	35,385	(7,083)	194,603	324,659
2030	286,106	87,027	50,895	40,606	29,491	48,195	(7,214)	207,760	327,346
2031	289,936	84,706	54,363	39,600	41,013	92,848	(7,321)	233,442	361,701
2032	297,164	88,066	57,832	39,501	41,729	92,809	(7,509)	246,534	363,058
2033	302,433	83,926	57,108	39,428	42,299	92,272	(7,631)	242,626	367,210
2034	310,023	86,308	60,006	39,389	43,102	92,494	(7,807)	250,577	372,938
2035	320,875	96,095	69,060	39,705	44,788	92,858	(8,090)	278,565	376,725
2036	322,442	86,720	62,349	39,525	44,321	93,103	(8,123)	258,697	381,640
2037	331,406	83,009	57,730	39,510	44,175	92,535	(8,332)	249,107	390,925
2038	342,420	91,549	66,016	39,511	53,141	105,423	(8,603)	289,486	399,971
2039	350,465	94,576	70,438	38,809	54,138	104,738	(8,790)	300,543	403,830
2040	356,454	92,792	70,181	38,274	54,563	104,738	(8,923)	300,941	407,137
2041	361,130	98,072	75,455	37,326	55,774	104,738	(9,008)	308,932	414,554
2042	370,212	88,858	68,977	35,970	55,355	104,738	(9,223)	297,044	417,843
2043	375,483	94,383	75,442	35,618	57,193	104,738	(9,318)	309,733	423,806
2044	388,977	101,004	81,711	35,243	58,117	104,738	(9,630)	329,818	430,342
2045	395,758	94,151	77,449	34,951	58,622	104,738	(9,765)	319,008	436,894
2046	406,520	99,256	83,039	34,639	59,456	103,923	(10,009)	331,616	445,208
2047	416,354	108,564	91,925	34,267	61,700	103,923	(10,235)	355,617	450,881
2048	425,538	102,848	88,350	33,797	61,920	103,923	(10,469)	349,946	455,961
2049	423,471	93,725	81,351	33,797	61,030	103,923	(10,393)	330,106	456,799
Cumulative Present Worth \$000 (2020\$)									
Utility CPW 2020-2034	2,072,860	1,014,958	224,673	499,702	234,027	276,011	(50,251)	1,714,378	2,557,603
Utility CPW 2020-2049	3,238,207	1,316,925	457,083	619,838	405,393	601,392	(79,302)	2,677,086	3,882,450
CPW of End Effects beyond 2049									811,527
TOTAL Utility Cost, Net CPW (2020\$)									4,693,977

Kentucky POWER COMPANY
 2019 INTEGRATED RESOURCE PLAN
 Preferred Plan w ST PPA Only Allowed 2022-2024 and Limited EE Base Band Commodity Pricing and Allowance Market Pricing

	Resource (Capacity) Additions										Energy & Capacity Positions										Carbon Output					
	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)=(20)+(21)+(22)	(24)	(25)	(26)=(24)-(25)	(27)=(23)-(26)	(28)	(29)		(30)=(28)-(29)	(31)	(32)		
	(Current and Planned) Supply-Side + Purchased Unforced Capacity (UCAP)		(Incrom) Energy Efficiency+ VVO + DR + Battery		Distributed Solar		Generic Wind		Utility Solar		Thermal Generation	(Current) Purchased Energy	(New) Generic Wind + Utility Solar	= Market Sales	Load (Net of Embedded EE)	Less: (Incrom) Energy Efficiency+ VVO+Dist Solar	= Net Load Require- ments	ENERGY Surplus	Capacity	Peak + Reserves		CAPACITY Surplus	Reserve Margin	Existing Units CO2 Emissions		
	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	GWh	GWh	GWh	GWh	GWh	GWh	GWh	GWh	MW	MW		MW	%	tons		
2020	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,801	112	0	5,913	6,060	0	6,060	(147)	1,302	1,066	236	33.1	5,769,805
2021	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,273	111	0	5,384	6,037	0	6,037	(653)	1,302	1,065	237	32.5	5,267,945
2022	(217)	1,085	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6,096	156	0	6,252	6,155	16	6,139	113	1,087	1,076	11	10.0	6,138,111
2023	(50)	1,035	1.9	4.1	1.0	1.0	0.0	0.0	51.7	51.7	4,756	156	211	5,123	6,194	33	6,161	6,112	(49)	6,063	(1,038)	1,092	1,077	15	10.4	4,742,434
2024	(100)	935	5.9	10.0	0.5	1.5	0.0	0.0	77.6	129.3	4,433	155	538	5,126	6,175	64	6,112	6,112	0	0	(986)	1,076	1,074	2	9.1	4,400,121
2025	0	935	(0.4)	9.6	0.0	1.5	0.0	0.0	0.0	129.3	4,423	155	527	5,105	6,161	61	6,100	6,100	0	0	(996)	1,076	1,071	5	9.4	4,419,866
2026	0	935	(0.5)	9.1	0.0	1.5	0.0	0.0	0.0	129.3	4,568	154	527	5,249	6,145	58	6,087	6,087	0	0	(838)	1,075	1,068	7	9.6	4,568,059
2027	0	935	(0.5)	8.6	0.5	2.0	0.0	0.0	0.0	129.3	4,292	154	527	4,973	6,132	56	6,076	6,076	0	0	(1,104)	1,075	1,067	8	9.7	4,297,964
2028	0	935	(0.6)	8.0	0.0	2.0	12.3	12.3	0.0	129.3	3,081	153	863	4,098	6,121	52	6,069	6,069	0	0	(1,971)	1,087	1,066	21	11.0	3,059,633
2029	0	935	(0.7)	7.3	0.5	2.6	0.0	12.3	0.0	129.3	3,194	153	852	4,199	6,120	49	6,071	6,071	0	0	(1,872)	1,087	1,066	21	11.0	3,194,418
2030	0	935	0.1	7.4	0.5	3.1	12.3	24.6	0.0	129.3	3,058	152	1,176	4,386	6,108	50	6,059	6,059	0	0	(1,672)	1,100	1,065	34	12.4	3,052,403
2031	(140)	795	3.1	10.5	0.5	3.6	0.0	24.6	103.4	232.7	3,104	152	1,598	4,854	6,101	61	6,040	6,040	0	0	(1,186)	1,067	1,065	2	9.0	3,146,840
2032	0	795	(0.2)	10.3	0.0	3.6	0.0	24.6	0.0	232.7	3,201	152	1,619	4,971	6,092	58	6,035	6,035	0	0	(1,064)	1,066	1,065	1	9.0	3,240,392
2033	0	795	(0.6)	9.7	0.5	4.1	0.0	24.6	0.0	232.7	3,061	151	1,598	4,810	6,089	55	6,033	6,033	0	0	(1,223)	1,066	1,065	1	9.0	3,097,617
2034	0	795	(0.3)	9.4	0.5	4.6	0.0	24.6	0.0	232.7	3,105	151	1,598	4,854	6,084	54	6,030	6,030	0	0	(1,175)	1,067	1,066	1	9.0	3,148,496
2035	0	795	(0.0)	9.4	0.0	4.6	0.0	24.6	0.0	232.7	3,447	151	1,598	5,196	6,081	54	6,028	6,028	0	0	(832)	1,067	1,066	0	8.9	3,506,318
2036	0	795	0.3	9.6	0.5	5.1	0.0	24.6	0.0	232.7	3,023	151	1,619	4,793	6,077	56	6,021	6,021	0	0	(1,228)	1,067	1,067	0	8.9	3,064,179
2037	0	795	(0.3)	9.3	0.0	5.1	0.0	24.6	0.0	232.7	2,708	151	1,598	4,456	6,076	55	6,021	6,021	0	0	(1,565)	1,067	1,067	0	8.9	2,745,361
2038	0	795	(0.5)	8.8	0.5	5.6	12.3	36.9	0.0	232.7	2,994	150	1,922	5,066	6,074	55	6,020	6,020	0	0	(954)	1,079	1,068	12	10.1	3,037,874
2039	0	795	(4.7)	4.2	0.0	5.6	0.0	36.9	0.0	232.7	3,096	150	1,922	5,168	6,073	36	6,036	6,036	0	0	(869)	1,075	1,068	7	9.5	3,136,866
2040	0	795	(0.3)	3.9	0.5	6.1	0.0	36.9	0.0	232.7	2,978	150	1,944	5,072	6,070	37	6,033	6,033	0	0	(961)	1,075	1,070	5	9.4	3,023,461
2041	0	795	(0.2)	3.7	0.0	6.1	0.0	36.9	0.0	232.7	3,099	149	1,922	5,170	6,069	36	6,033	6,033	0	0	(863)	1,075	1,070	5	9.3	3,145,013
2042	0	795	(0.2)	3.5	0.5	6.6	0.0	36.9	0.0	232.7	2,742	149	1,922	4,813	6,066	37	6,029	6,029	0	0	(1,216)	1,075	1,071	4	9.3	2,782,514
2043	0	795	(0.1)	3.4	0.5	7.2	0.0	36.9	0.0	232.7	2,888	149	1,922	4,958	6,063	39	6,024	6,024	0	0	(1,066)	1,075	1,071	5	9.3	2,942,342
2044	0	795	(0.1)	3.3	0.0	7.2	0.0	36.9	0.0	232.7	3,030	149	1,944	5,122	6,057	38	6,019	6,019	0	0	(897)	1,075	1,071	4	9.3	3,084,196
2045	0	795	(0.0)	3.3	0.5	7.7	0.0	36.9	0.0	232.7	2,777	148	1,922	4,848	6,057	40	6,017	6,017	0	0	(1,170)	1,076	1,072	4	9.3	2,828,329
2046	0	795	(3.3)	0.0	0.5	8.2	0.0	36.9	0.0	232.7	2,873	148	1,922	4,943	6,053	29	6,024	6,024	0	0	(1,081)	1,073	1,072	1	9.0	2,932,987
2047	0	795	0.0	0.0	0.5	8.7	0.0	36.9	0.0	232.7	3,081	148	1,922	5,150	6,046	31	6,015	6,015	0	0	(865)	1,074	1,071	2	9.1	3,141,548
2048	0	795	0.0	0.0	0.5	9.2	0.0	36.9	0.0	232.7	2,869	148	1,944	4,960	6,038	33	6,005	6,005	0	0	(1,045)	1,074	1,071	3	9.2	2,921,892
2049	0	795	0.0	0.0	0.0	9.2	0.0	36.9	0.0	232.7	2,548	146	1,922	4,615	5,960	33	5,927	5,927	0	0	(1,312)	1,074	1,070	4	9.2	2,602,227

Kentucky POWER COMPANY
2019 INTEGRATED RESOURCE PLAN
Case 1 Base Band Commodity Pricing and Allowance Market Pricing Optimal Plan

Utility Costs (Nominal\$000)									
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)=(1)thru(7)-(8)
	Load Cost	Fuel Costs	Emission Costs	(Incremental) Existing System FOM and OGC	(Incremental) Variable O&M + Fixed O&M + Lease Costs + PPA Costs	(Incremental) Capital + Renewable + Energy Efficiency + VVO Program Costs	Contract (Revenue)/Cost	Less: Market Revenue	GRAND TOTAL, Net Utility Costs
	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000
2020	177,346	142,840	10,826	53,709	28,482	0	(3,269)	173,954	235,980
2021	178,063	133,472	11,813	72,592	27,896	0	(3,280)	161,162	259,394
2022	188,272	147,068	14,413	75,935	34,365	4,259	(4,819)	191,864	267,629
2023	197,404	110,707	7,801	69,537	26,024	19,264	(5,010)	173,999	251,729
2024	205,528	108,913	7,520	61,230	32,606	41,620	(5,209)	193,993	258,215
2025	211,489	111,920	7,951	56,321	33,247	37,722	(5,368)	199,719	253,563
2026	217,269	120,732	8,526	50,030	34,252	36,974	(5,504)	211,141	251,137
2027	225,225	118,742	8,350	48,815	34,610	36,962	(5,701)	208,355	258,648
2028	279,834	86,066	47,721	49,255	32,548	37,481	(7,054)	208,871	316,981
2029	280,873	88,803	51,548	47,861	33,717	37,811	(7,083)	213,880	319,650
2030	286,106	87,027	50,895	40,606	37,856	50,934	(7,214)	227,741	318,469
2031	289,936	84,706	54,363	39,600	48,156	89,909	(7,321)	247,494	351,855
2032	297,164	88,066	57,832	39,501	48,816	89,909	(7,509)	260,632	353,147
2033	302,433	83,926	57,108	39,428	49,506	89,909	(7,631)	256,471	358,208
2034	310,023	86,308	60,006	39,389	50,232	89,909	(7,807)	264,731	363,329
2035	320,875	96,095	69,060	39,705	52,059	89,909	(8,090)	292,936	366,676
2036	322,442	86,720	62,349	39,525	51,533	89,909	(8,123)	273,129	371,226
2037	331,406	83,009	57,730	39,510	51,509	89,909	(8,332)	264,011	380,730
2038	342,420	91,549	66,016	39,511	52,665	89,241	(8,603)	286,611	386,189
2039	350,465	94,576	70,438	38,809	53,895	89,241	(8,790)	298,638	389,995
2040	356,454	92,792	70,181	38,274	54,313	89,241	(8,923)	299,122	393,209
2041	361,130	98,072	75,455	37,326	55,518	89,241	(9,008)	307,087	400,646
2042	370,212	88,858	68,977	35,970	55,093	89,241	(9,223)	295,195	403,933
2043	375,483	94,383	75,442	35,618	56,924	89,241	(9,318)	307,886	409,887
2044	388,977	101,004	81,711	35,243	57,840	89,241	(9,630)	327,958	416,428
2045	395,758	94,151	77,449	34,951	58,339	89,241	(9,765)	317,075	423,048
2046	406,520	99,256	83,039	34,639	59,456	89,241	(10,009)	330,489	431,652
2047	416,354	108,564	91,925	34,267	61,700	89,241	(10,235)	354,457	437,358
2048	425,538	102,848	88,350	33,797	61,920	89,241	(10,469)	348,815	442,409
2049	423,471	93,725	81,351	33,797	61,030	89,241	(10,393)	328,908	443,315
Cumulative Present Worth \$000 (2020\$)									
Utility CPW 2020-2034	2,072,860	1,014,958	224,673	499,702	314,755	322,053	(50,251)	1,844,328	2,554,422
Utility CPW 2020-2049	3,238,207	1,316,925	457,083	619,838	492,387	609,593	(79,302)	2,816,470	3,838,261
CPW of End Effects beyond 2049									787,571
TOTAL Utility Cost, Net CPW (2020\$)									4,625,832

Kentucky POWER COMPANY
 2019 INTEGRATED RESOURCE PLAN
 Case 1 Base Band Commodity Pricing and Allowance Market Pricing Optimal Plan

	Resource (Capacity) Additions										Energy & Capacity Positions										Carbon Output		
	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)=(20)+(21)+(22)	(24)	(25)	(26)=(24)-(25)	(27)=(23)-(26)	(28)	(29)	(30)=(28)-(29)	(31)	(32)
	(Current and Planned) Supply-Side + Purchased Unforced Capacity (UCAP)		(Increment) Energy Efficiency+ VVO + DR + Battery		Distributed Solar		Generic Wind		Utility Solar		Thermal Generation	(Current) Purchased Energy	(New) Generic Wind + Utility Solar	= Market Sales	Load (Net of Embedded EE)	Less: (Increment) Energy Efficiency+ VVO+Dist Solar	= Net Load Require- ments	ENERGY Surplus	Capacity	Peak + Reserves	CAPACITY Surplus	Reserve Margin	Existing Units CO2 Emissions
Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	GW/h	GW/h	GW/h	GW/h	GW/h	GW/h	GW/h	GW/h	MW	MW	MW	%	tons	
2020	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,801	112	0	5,913	6,060	0	6,060	(147)	1,302	1,066	236	33.1	5,769,805	
2021	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,273	111	0	5,384	6,037	0	6,037	(653)	1,302	1,065	237	32.5	5,267,945	
2022	(217)	1,085	6.4	6.4	0.0	0.0	0.0	0.0	0.0	6,096	156	0	6,252	6,155	40	6,115	137	1,092	1,076	15	10.4	6,138,111	
2023	(50)	1,035	10.3	16.7	1.0	1.0	24.6	24.6	0.0	4,756	156	631	5,542	6,194	97	6,097	(555)	1,078	1,077	1	9.0	4,742,434	
2024	(100)	935	5.8	22.5	0.5	1.5	12.3	36.9	77.6	4,433	155	1,282	5,870	6,175	133	6,042	(172)	1,074	1,074	0	8.9	4,400,121	
2025	0	935	(1.1)	21.4	0.0	1.5	0.0	36.9	0.0	4,423	155	1,271	5,849	6,161	126	6,036	(187)	1,073	1,071	2	9.0	4,419,866	
2026	0	935	(2.1)	19.4	0.0	1.5	0.0	36.9	0.0	4,568	154	1,271	5,993	6,145	114	6,031	(38)	1,071	1,068	2	9.1	4,568,059	
2027	0	935	(2.1)	17.2	0.5	2.0	0.0	36.9	0.0	4,292	154	1,271	5,717	6,132	104	6,029	(312)	1,069	1,067	2	9.1	4,297,964	
2028	0	935	(1.6)	15.7	0.0	2.0	0.0	36.9	0.0	3,081	153	1,282	4,516	6,121	94	6,027	(1,511)	1,067	1,066	1	9.0	3,059,633	
2029	0	935	(1.7)	13.9	0.5	2.6	0.0	36.9	0.0	3,194	153	1,271	4,619	6,120	84	6,035	(1,417)	1,066	1,066	0	8.9	3,194,418	
2030	0	935	(1.9)	12.0	0.5	3.1	0.0	36.9	77.6	3,058	152	1,588	4,799	6,108	75	6,033	(1,235)	1,142	1,065	77	16.8	3,052,403	
2031	(140)	795	(2.0)	10.0	0.5	3.6	0.0	36.9	77.6	3,104	152	1,904	5,161	6,101	65	6,036	(876)	1,079	1,065	13	10.2	3,146,840	
2032	0	795	(1.8)	8.3	0.0	3.6	0.0	36.9	0.0	3,201	152	1,927	5,280	6,092	52	6,040	(760)	1,077	1,065	12	10.1	3,240,392	
2033	0	795	(1.4)	6.9	0.5	4.1	0.0	36.9	0.0	3,061	151	1,904	5,117	6,089	45	6,044	(927)	1,076	1,065	11	10.0	3,097,617	
2034	0	795	(1.1)	5.8	0.5	4.6	0.0	36.9	0.0	3,105	151	1,904	5,161	6,084	41	6,043	(883)	1,075	1,066	10	9.8	3,148,496	
2035	0	795	(0.7)	5.1	0.0	4.6	0.0	36.9	0.0	3,447	151	1,904	5,503	6,081	37	6,044	(542)	1,075	1,066	8	9.7	3,506,318	
2036	0	795	(0.4)	4.6	0.5	5.1	0.0	36.9	0.0	3,023	151	1,927	5,101	6,077	37	6,040	(939)	1,075	1,067	7	9.6	3,064,179	
2037	0	795	(0.2)	4.4	0.0	5.1	0.0	36.9	0.0	2,708	151	1,904	4,763	6,076	36	6,041	(1,278)	1,074	1,067	7	9.6	2,745,361	
2038	0	795	(4.4)	0.1	0.5	5.6	0.0	36.9	0.0	2,994	150	1,904	5,048	6,074	20	6,054	(1,006)	1,071	1,068	3	9.2	3,037,874	
2039	0	795	(0.0)	0.0	0.0	5.6	0.0	36.9	0.0	3,096	150	1,904	5,150	6,073	20	6,053	(902)	1,071	1,068	3	9.1	3,136,866	
2040	0	795	(0.0)	0.0	0.5	6.1	0.0	36.9	0.0	2,978	150	1,927	5,055	6,070	22	6,048	(993)	1,071	1,070	1	9.0	3,023,461	
2041	0	795	0.0	0.0	0.0	6.1	0.0	36.9	0.0	3,099	149	1,904	5,153	6,069	22	6,047	(895)	1,071	1,070	1	9.0	3,145,013	
2042	0	795	0.0	0.0	0.5	6.6	0.0	36.9	0.0	2,742	149	1,904	4,795	6,066	24	6,042	(1,247)	1,072	1,071	1	9.0	2,782,514	
2043	0	795	0.0	0.0	0.5	7.2	0.0	36.9	0.0	2,888	149	1,904	4,941	6,063	26	6,037	(1,097)	1,072	1,071	1	9.0	2,942,342	
2044	0	795	0.0	0.0	0.0	7.2	0.0	36.9	0.0	3,030	149	1,927	5,106	6,057	26	6,030	(926)	1,072	1,071	1	9.0	3,084,196	
2045	0	795	0.0	0.0	0.5	7.7	0.0	36.9	0.0	2,777	148	1,904	4,830	6,057	27	6,032	(1,200)	1,073	1,072	1	8.9	2,828,329	
2046	0	795	0.0	0.0	0.5	8.2	0.0	36.9	0.0	2,873	148	1,904	4,925	6,053	29	6,024	(1,098)	1,073	1,072	1	9.0	2,932,987	
2047	0	795	0.0	0.0	0.5	8.7	0.0	36.9	0.0	3,081	148	1,904	5,133	6,046	31	6,015	(882)	1,074	1,071	2	9.1	3,141,548	
2048	0	795	0.0	0.0	0.5	9.2	0.0	36.9	0.0	2,869	148	1,927	4,944	6,038	33	6,005	(1,062)	1,074	1,071	3	9.2	2,921,892	
2049	0	795	0.0	0.0	0.0	9.2	0.0	36.9	0.0	2,548	146	1,904	4,597	5,960	33	5,927	(1,330)	1,074	1,070	4	9.2	2,602,227	

Kentucky POWER COMPANY
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Utility Costs (Nominal\$000)									
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)=(1)thru(7)-(8)
	Load Cost	Fuel Costs	Emission Costs	(Incremental) Existing System FOM and OGC	(Incremental) Variable O&M + Fixed O&M + Lease Costs + PPA Costs	(Incremental) Capital + Renewable + Energy Efficiency + VVO Program Costs	Contract (Revenue)/Cost	Less: Market Revenue	GRAND TOTAL, Net Utility Costs
	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000
2020	188,536	151,190	12,058	53,709	29,100	0	(3,479)	193,955	237,158
2021	194,004	157,405	15,496	72,592	29,516	0	(3,577)	202,846	262,590
2022	207,008	162,579	15,569	75,935	34,496	6,833	(5,308)	215,244	281,867
2023	218,516	121,099	7,823	69,537	25,854	19,447	(5,553)	189,468	267,255
2024	228,925	119,834	7,582	61,230	38,781	48,798	(5,810)	224,654	274,685
2025	235,482	124,600	7,995	56,321	39,576	44,965	(5,987)	232,305	270,648
2026	242,562	134,026	8,601	50,030	40,711	44,955	(6,155)	245,606	269,123
2027	251,332	132,054	8,421	48,815	41,201	44,943	(6,371)	243,068	277,328
2028	306,029	103,301	52,118	49,255	39,926	44,929	(7,727)	254,066	333,766
2029	308,246	103,841	54,783	47,861	41,034	44,914	(7,787)	256,914	335,978
2030	314,382	102,026	53,807	40,606	45,242	59,123	(7,936)	272,471	334,780
2031	318,491	106,915	61,816	39,600	56,346	97,890	(8,053)	306,361	366,644
2032	324,693	103,206	60,980	39,501	56,290	97,890	(8,205)	308,112	366,243
2033	330,973	102,322	62,817	39,428	57,459	97,890	(8,351)	310,476	372,061
2034	338,474	105,674	66,178	39,389	58,175	97,890	(8,519)	320,291	376,971
2035	349,321	113,506	73,493	39,705	59,902	97,890	(8,794)	345,007	380,016
2036	353,816	108,460	70,366	39,525	59,787	97,890	(8,906)	335,952	384,987
2037	365,043	104,529	65,540	39,510	59,874	97,890	(9,170)	327,538	395,679
2038	374,536	111,557	72,524	39,511	68,449	111,041	(9,394)	367,082	401,141
2039	381,829	110,425	74,219	38,809	69,610	111,041	(9,551)	371,675	404,707
2040	387,593	109,727	75,084	38,274	77,666	124,460	(9,672)	394,192	408,939
2041	396,855	119,936	83,484	37,326	79,632	124,460	(9,871)	415,853	415,969
2042	408,359	111,773	78,775	35,970	79,190	124,460	(10,145)	410,191	418,192
2043	414,763	119,800	86,399	35,618	81,648	124,460	(10,266)	429,242	423,180
2044	427,584	126,632	92,438	35,243	82,316	124,460	(10,557)	450,793	427,323
2045	440,905	126,496	93,842	34,951	83,903	124,460	(10,863)	459,577	434,117
2046	452,410	131,162	99,037	34,639	84,733	124,460	(11,119)	474,606	440,716
2047	458,714	143,322	109,698	34,267	87,598	124,460	(11,239)	501,137	445,683
2048	469,741	129,430	100,428	33,797	86,966	124,460	(11,517)	485,150	448,155
2049	467,015	129,913	102,277	33,797	87,046	124,460	(11,422)	482,255	450,833
Cumulative Present Worth \$000 (2020\$)									
Utility CPW 2020-2034	2,277,423	1,149,785	244,426	499,702	356,675	367,742	(55,329)	2,167,068	2,673,356
Utility CPW 2020-2049	3,558,057	1,526,461	506,812	619,838	593,634	736,125	(87,182)	3,455,083	3,998,661
CPW of End Effects beyond 2049									800,926
TOTAL Utility Cost, Net CPW (2020\$)									4,799,588

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	Resource (Capacity) Additions										Energy & Capacity Positions										Carbon Output		
	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)=(20)+(21)+(22)	(24)	(25)	(26)=(24)-(25)	(27)=(23)-(26)	(28)	(29)	(30)=(28)-(29)	(31)	(32)
	(Current and Planned Supply-Side + Purchased Unforced Capacity (UCAP))		(Increment) Energy Efficiency+ VVO + DR + Battery		Distributed Solar		Generic Wind		Utility Solar		Thermal Generation	(Current) Purchased Energy	(New) Generic Wind + Utility Solar	= Market Sales	Load (Net of Embedded EE)	Less: (Increment) Energy Efficiency+ VVO+Dist Solar	= Net Load Require- ments	ENERGY Surplus	Capacity	Peak + Reserves	CAPACITY Surplus	Reserve Margin	Existing Units CO2 Emissions
	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	GWh	GWh	GWh	GWh	GWh	GWh	GWh	GWh	MW	MW	MW	%	tons
2020	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6,159	112	0	6,270	6,060	0	6,060	211	1,302	1,066	236	33.1	6,221,687	
2021	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6,287	111	0	6,398	6,037	0	6,037	361	1,302	1,065	237	32.5	6,362,698	
2022	(217)	1,085	9.1	9.1	0.0	0.0	0.0	0.0	0.0	6,262	156	0	6,418	6,155	51	6,104	314	1,094	1,076	18	10.7	6,353,444	
2023	(50)	1,035	6.8	15.9	1.0	1.0	24.6	24.6	0.0	4,676	156	631	5,463	6,194	95	6,099	(636)	1,077	1,077	0	8.9	4,700,583	
2024	(100)	935	4.3	20.3	0.5	1.5	24.6	49.2	77.6	4,381	155	1,590	6,127	6,175	125	6,050	76	1,084	1,074	10	9.9	4,384,869	
2025	0	935	(2.1)	18.1	0.0	1.5	0.0	49.2	0.0	4,403	155	1,578	6,135	6,161	113	6,048	87	1,082	1,071	11	10.0	4,417,827	
2026	0	935	(2.3)	15.9	0.0	1.5	0.0	49.2	0.0	4,546	154	1,578	6,278	6,145	101	6,044	233	1,079	1,068	11	10.0	4,570,838	
2027	0	935	(2.3)	13.6	0.5	2.0	0.0	49.2	0.0	4,275	154	1,578	6,006	6,132	90	6,043	(36)	1,078	1,067	11	10.0	4,302,903	
2028	0	935	(2.3)	11.3	0.0	2.0	0.0	49.2	0.0	3,336	153	1,590	5,079	6,121	77	6,044	(965)	1,075	1,066	9	9.8	3,336,478	
2029	0	935	(2.3)	9.0	0.5	2.6	0.0	49.2	0.0	3,370	153	1,578	5,101	6,120	65	6,055	(954)	1,073	1,066	7	9.6	3,390,911	
2030	0	935	(1.8)	7.1	0.5	3.1	0.0	49.2	77.6	3,204	152	1,894	5,251	6,108	56	6,053	(801)	1,150	1,065	85	17.5	3,224,373	
2031	(140)	795	(1.9)	5.2	0.5	3.6	0.0	49.2	77.6	3,524	152	2,211	5,886	6,101	46	6,055	(169)	1,086	1,065	21	11.0	3,576,953	
2032	0	795	(1.7)	3.6	0.0	3.6	0.0	49.2	0.0	3,355	152	2,236	5,742	6,092	34	6,058	(316)	1,084	1,065	19	10.8	3,415,537	
2033	0	795	(1.3)	2.3	0.5	4.1	0.0	49.2	0.0	3,346	151	2,211	5,708	6,089	27	6,061	(353)	1,084	1,065	19	10.8	3,405,794	
2034	0	795	(1.0)	1.3	0.5	4.6	0.0	49.2	0.0	3,414	151	2,211	5,775	6,084	23	6,061	(285)	1,083	1,066	17	10.6	3,471,423	
2035	0	795	(0.7)	0.7	0.0	4.6	0.0	49.2	0.0	3,662	151	2,211	6,024	6,081	20	6,061	(38)	1,082	1,066	16	10.5	3,730,261	
2036	0	795	(0.4)	0.3	0.5	5.1	0.0	49.2	0.0	3,392	151	2,236	5,778	6,077	20	6,057	(279)	1,083	1,067	15	10.4	3,456,437	
2037	0	795	(0.2)	0.1	0.0	5.1	0.0	49.2	0.0	3,070	151	2,211	5,431	6,076	19	6,057	(626)	1,082	1,067	15	10.4	3,115,684	
2038	0	795	(0.1)	0.0	0.5	5.6	12.3	61.5	0.0	3,269	150	2,535	5,954	6,074	20	6,054	(100)	1,095	1,068	28	11.7	3,336,264	
2039	0	795	(0.0)	0.0	0.0	5.6	0.0	61.5	0.0	3,241	150	2,535	5,926	6,073	20	6,053	(127)	1,095	1,068	27	11.6	3,203,956	
2040	0	795	(0.0)	0.0	0.5	6.1	12.3	73.8	0.0	3,176	150	2,886	6,212	6,070	22	6,048	164	1,108	1,070	38	12.7	3,233,183	
2041	0	795	0.0	0.0	0.0	6.1	0.0	73.8	0.0	3,404	149	2,859	6,412	6,069	22	6,047	365	1,108	1,070	38	12.7	3,477,850	
2042	0	795	0.0	0.0	0.5	6.6	0.0	73.8	0.0	3,112	149	2,859	6,120	6,066	24	6,042	78	1,108	1,071	38	12.7	3,176,223	
2043	0	795	0.0	0.0	0.5	7.2	0.0	73.8	0.0	3,304	149	2,859	6,312	6,063	26	6,037	275	1,109	1,071	38	12.8	3,369,338	
2044	0	795	0.0	0.0	0.0	7.2	0.0	73.8	0.0	3,408	149	2,886	6,443	6,057	26	6,032	411	1,109	1,071	38	12.7	3,488,025	
2045	0	795	0.0	0.0	0.5	7.7	0.0	73.8	0.0	3,348	148	2,859	6,356	6,057	27	6,030	326	1,109	1,072	38	12.7	3,426,116	
2046	0	795	0.0	0.0	0.5	8.2	0.0	73.8	0.0	3,417	148	2,859	6,424	6,053	29	6,024	401	1,110	1,072	38	12.7	3,497,381	
2047	0	795	0.0	0.0	0.5	8.7	0.0	73.8	0.0	3,661	148	2,859	6,668	6,046	31	6,015	653	1,111	1,071	39	12.8	3,748,375	
2048	0	795	0.0	0.0	0.5	9.2	0.0	73.8	0.0	3,246	148	2,886	6,280	6,038	33	6,005	274	1,111	1,071	40	12.9	3,320,697	
2049	0	795	0.0	0.0	0.0	9.2	0.0	73.8	0.0	3,200	146	2,859	6,205	5,960	33	5,927	278	1,111	1,070	41	13.0	3,271,073	

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Utility Costs (Nominal\$000)									
	(1) Load Cost	(2) Fuel Costs	(3) Emission Costs	(4) (Incremental) Existing System FOM and OGC	(5) (Incremental) Variable O&M + Fixed O&M + Lease Costs + PPA Costs	(6) (Incremental) Capital + Renewable + Energy Efficiency + VVO Program Costs	(7) Contract (Revenue)/Cost	(8) Less: Market Revenue	(9)=(1)thru(7)-(8) GRAND TOTAL, Net Utility Costs
	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000
2020	163,837	111,888	7,859	53,709	26,162	0	(3,017)	130,166	230,271
2021	160,677	110,577	8,778	72,592	26,396	0	(2,956)	121,376	254,687
2022	168,161	127,333	12,835	75,935	35,334	3,660	(4,297)	163,858	255,102
2023	175,878	101,246	7,719	69,537	27,906	22,655	(4,454)	161,692	238,795
2024	181,748	99,213	7,426	61,230	27,217	34,617	(4,596)	168,375	238,480
2025	186,904	99,797	7,799	56,321	27,615	32,377	(4,736)	170,867	235,211
2026	191,030	105,816	8,343	50,030	28,403	32,367	(4,831)	178,014	233,145
2027	197,153	107,060	8,269	48,815	28,864	32,355	(4,980)	177,673	239,865
2028	249,842	68,208	41,554	49,255	25,681	32,342	(6,293)	164,060	296,528
2029	250,762	67,119	42,203	47,861	26,300	32,326	(6,316)	161,721	298,534
2030	253,190	56,821	36,296	40,606	28,378	44,770	(6,374)	153,826	299,860
2031	255,831	58,183	41,452	39,600	38,787	85,176	(6,449)	175,845	336,736
2032	260,754	61,220	45,208	39,501	39,538	82,925	(6,564)	185,869	336,713
2033	264,707	54,621	41,488	39,428	39,695	82,540	(6,655)	175,330	340,494
2034	272,283	60,559	47,264	39,389	41,151	81,529	(6,838)	190,796	344,541
2035	279,633	68,856	55,618	39,705	42,997	82,428	(7,026)	212,225	349,986
2036	284,530	57,998	46,357	39,525	42,215	82,428	(7,155)	192,610	353,289
2037	292,306	58,170	45,441	39,510	42,566	82,428	(7,339)	191,609	361,474
2038	301,006	64,723	52,558	39,511	43,916	82,574	(7,552)	209,145	367,591
2039	306,261	56,225	46,720	38,809	43,923	83,420	(7,667)	197,661	370,029
2040	319,712	63,514	53,387	38,274	45,354	83,420	(8,021)	220,530	375,110
2041	329,678	73,337	62,812	37,326	47,216	83,964	(8,269)	242,914	383,150
2042	335,681	67,662	58,623	35,970	47,179	83,964	(8,400)	233,870	386,809
2043	337,999	66,920	59,168	35,618	48,191	83,964	(8,429)	232,179	391,253
2044	347,833	71,165	63,628	35,243	48,985	83,964	(8,644)	243,520	398,655
2045	357,970	68,518	62,620	34,951	49,975	84,336	(8,871)	243,346	406,152
2046	367,426	69,987	64,951	34,639	50,843	83,964	(9,093)	248,900	413,817
2047	373,042	75,113	70,677	34,267	52,609	83,964	(9,210)	261,229	419,233
2048	383,174	66,379	63,374	33,797	52,503	83,964	(9,475)	249,840	423,877
2049	380,110	63,171	61,087	33,797	51,877	83,025	(9,376)	239,901	423,790
Cumulative Present Worth \$000 (2020\$)									
Utility CPW 2020-2034	1,842,602	834,479	181,435	499,702	272,306	291,017	(44,533)	1,457,188	2,419,821
Utility CPW 2020-2049	2,881,725	1,044,593	361,703	619,838	421,263	558,840	(70,481)	2,172,148	3,645,334
CPW of End Effects beyond 2049									<u>752,884</u>
TOTAL Utility Cost, Net CPW (2020\$)									<u>4,398,218</u>

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	Resource (Capacity) Additions										Energy & Capacity Positions										Carbon Output		
	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)=(20)+(21)+(22)	(24)	(25)	(26)=(24)-(25)	(27)=(23)-(26)	(28)	(29)	(30)=(28)-(29)	(31)	(32)
	(Current and Planned) Supply-Side + Purchased Unforced Capacity (UCAP)		(Increment) Energy Efficiency+ VVO + DR + Battery		Distributed Solar		Generic Wind		Utility Solar		Thermal Generation	(Current) Purchased Energy	(New) Generic Wind + Utility Solar	= Market Sales	Load (Net of Embedded EE)	Less: (Increment) Energy Efficiency+ VVO+Dist Solar	= Net Load Require- ments	ENERGY Surplus	Capacity	Peak + Reserves	CAPACITY Surplus	Reserve Margin	Existing Units CO2 Emissions
	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	GWh	GWh	GWh	GWh	GWh	GWh	GWh	GWh	MW	MW	MW	%	tons
2020	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,569	112	0	4,681	6,060	0	6,060	(1,379)	1,302	1,066	236	33.1	4,334,069	
2021	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,373	111	0	4,484	6,037	0	6,037	(1,553)	1,302	1,065	237	32.5	4,236,977	
2022	(217)	1,085	5.5	5.5	0.0	0.0	0.0	0.0	0.0	5,794	156	0	5,950	6,155	36	6,119	(169)	1,091	1,076	14	10.3	5,765,243	
2023	(50)	1,035	5.3	10.8	1.0	1.0	24.6	24.6	25.9	4,890	156	736	5,782	6,194	73	6,121	(339)	1,097	1,077	21	11.0	4,800,919	
2024	(100)	935	3.2	13.9	0.5	1.5	0.0	24.6	77.6	4,548	155	1,064	5,767	6,175	97	6,079	(312)	1,079	1,074	5	9.4	4,445,579	
2025	0	935	(1.3)	12.7	0.0	1.5	0.0	24.6	0.0	4,456	155	1,053	5,663	6,161	89	6,072	(409)	1,077	1,071	7	9.5	4,405,497	
2026	0	935	(1.3)	11.3	0.0	1.5	0.0	24.6	0.0	4,543	154	1,053	5,750	6,145	80	6,065	(315)	1,076	1,068	8	9.7	4,515,045	
2027	0	935	(1.3)	10.0	0.5	2.0	0.0	24.6	0.0	4,375	154	1,053	5,581	6,132	73	6,059	(478)	1,075	1,067	8	9.7	4,328,685	
2028	0	935	(1.5)	8.6	0.0	2.0	0.0	24.6	0.0	2,736	153	1,064	3,953	6,121	64	6,057	(2,104)	1,074	1,066	8	9.7	2,672,730	
2029	0	935	(1.6)	7.0	0.5	2.6	0.0	24.6	0.0	2,671	153	1,053	3,876	6,120	56	6,064	(2,188)	1,073	1,066	7	9.5	2,624,649	
2030	0	935	0.7	7.7	0.5	3.1	0.0	24.6	51.7	2,215	152	1,264	3,631	6,108	57	6,051	(2,420)	1,126	1,065	61	15.1	2,183,060	
2031	(140)	795	1.4	9.1	0.5	3.6	0.0	24.6	77.6	2,383	152	1,580	4,115	6,101	61	6,040	(1,925)	1,065	1,065	0	8.9	2,402,656	
2032	0	795	(0.1)	9.0	0.0	3.6	0.0	24.6	0.0	2,508	152	1,602	4,261	6,092	55	6,037	(1,776)	1,065	1,065	0	8.9	2,534,420	
2033	0	795	(0.7)	8.3	0.5	4.1	0.0	24.6	0.0	2,230	151	1,580	3,961	6,089	52	6,036	(2,075)	1,065	1,065	0	8.9	2,251,744	
2034	0	795	1.3	9.6	0.5	4.6	0.0	24.6	0.0	2,456	151	1,580	4,187	6,084	56	6,028	(1,841)	1,067	1,066	1	9.0	2,481,634	
2035	0	795	2.7	12.3	0.0	4.6	0.0	24.6	0.0	2,796	151	1,580	4,527	6,081	66	6,016	(1,489)	1,070	1,066	3	9.2	2,825,541	
2036	0	795	(1.3)	11.0	0.5	5.1	0.0	24.6	0.0	2,259	151	1,602	4,011	6,077	62	6,015	(2,004)	1,069	1,067	1	9.0	2,280,089	
2037	0	795	(1.1)	9.9	0.0	5.1	0.0	24.6	0.0	2,141	151	1,580	3,872	6,076	57	6,019	(2,147)	1,068	1,067	1	8.9	2,162,445	
2038	0	795	(0.6)	9.3	0.5	5.6	0.0	24.6	0.0	2,388	150	1,580	4,119	6,074	57	6,018	(1,899)	1,068	1,068	0	8.9	2,419,388	
2039	0	795	2.5	11.8	0.0	5.6	0.0	24.6	0.0	2,061	150	1,580	3,791	6,073	66	6,007	(2,215)	1,070	1,068	2	9.1	2,081,973	
2040	0	795	(0.5)	11.3	0.5	6.1	0.0	24.6	0.0	2,279	150	1,602	4,031	6,070	66	6,004	(1,973)	1,070	1,070	0	8.9	2,302,186	
2041	0	795	0.8	12.1	0.0	6.1	0.0	24.6	0.0	2,589	149	1,580	4,318	6,069	69	6,001	(1,682)	1,071	1,070	1	9.0	2,619,766	
2042	0	795	(0.3)	11.8	0.5	6.6	0.0	24.6	0.0	2,337	149	1,580	4,066	6,066	70	5,997	(1,931)	1,071	1,071	1	8.9	2,366,106	
2043	0	795	(0.2)	11.7	0.5	7.2	0.0	24.6	0.0	2,280	149	1,580	4,009	6,063	71	5,992	(1,983)	1,071	1,071	1	8.9	2,309,946	
2044	0	795	(0.1)	11.5	0.0	7.2	0.0	24.6	0.0	2,370	149	1,602	4,120	6,057	70	5,987	(1,867)	1,071	1,071	0	8.9	2,403,520	
2045	0	795	0.2	11.7	0.5	7.7	0.0	24.6	0.0	2,256	148	1,580	3,985	6,057	72	5,985	(2,001)	1,072	1,072	0	8.9	2,288,581	
2046	0	795	0.0	11.7	0.5	8.2	0.0	24.6	0.0	2,260	148	1,580	3,989	6,053	74	5,979	(1,991)	1,073	1,072	1	8.9	2,295,975	
2047	0	795	0.0	11.7	0.5	8.7	0.0	24.6	0.0	2,380	148	1,580	4,108	6,046	76	5,971	(1,863)	1,073	1,071	2	9.0	2,417,133	
2048	0	795	0.0	11.7	0.5	9.2	0.0	24.6	0.0	2,070	148	1,602	3,819	6,038	77	5,961	(2,142)	1,074	1,071	2	9.1	2,097,429	
2049	0	795	(2.8)	9.0	0.0	9.2	0.0	24.6	0.0	1,921	146	1,580	3,647	5,960	67	5,894	(2,247)	1,071	1,070	0	8.9	1,955,222	

Kentucky POWER COMPANY
2019 INTEGRATED RESOURCE PLAN
Case 4 No Carbon Commodity Pricing and Allowance Market Pricing Optimal Plan

Utility Costs (Nominal\$000)									
	(1) Load Cost	(2) Fuel Costs	(3) Emission Costs	(4) (Incremental) Existing System FOM and OGC	(5) (Incremental) Variable O&M + Fixed O&M + Lease Costs + PPA Costs	(6) (Incremental) Capital + Renewable + Energy Efficiency + VVO Program Costs	(7) Contract (Revenue)/Cost	(8) Less: Market Revenue	(9)=(1)thru(7)-(8) GRAND TOTAL, Net Utility Costs
	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000
2020	177,199	141,756	10,822	53,709	28,404	0	(3,266)	172,626	235,998
2021	177,919	133,634	11,844	72,592	27,923	0	(3,277)	161,271	259,364
2022	188,974	148,173	14,481	75,935	31,909	3,905	(4,838)	193,728	264,811
2023	197,132	110,213	7,794	69,537	25,291	22,655	(5,003)	176,034	251,585
2024	205,328	108,223	7,515	61,230	27,024	36,066	(5,204)	185,642	254,539
2025	210,989	111,745	7,939	56,321	27,588	32,377	(5,356)	191,305	250,300
2026	216,786	120,122	8,489	50,030	28,449	32,367	(5,493)	202,003	248,747
2027	224,880	118,520	8,343	48,815	28,729	32,355	(5,693)	199,577	256,372
2028	227,989	116,507	8,509	49,255	29,142	32,342	(5,762)	199,071	258,911
2029	233,731	125,342	8,932	47,861	30,229	32,326	(5,906)	208,376	264,140
2030	240,248	124,429	8,599	40,606	32,938	43,911	(6,070)	215,427	269,234
2031	247,897	120,943	8,516	39,600	42,479	85,176	(6,274)	227,806	310,530
2032	256,516	131,274	9,099	39,501	43,430	83,305	(6,496)	244,877	311,753
2033	266,452	125,481	8,429	39,428	43,481	82,540	(6,743)	237,929	321,140
2034	274,743	128,457	8,410	39,389	44,168	81,529	(6,934)	241,603	328,159
2035	284,311	138,391	8,966	39,705	45,584	82,428	(7,177)	258,528	333,679
2036	287,389	129,723	8,239	39,525	45,314	82,428	(7,250)	245,637	339,730
2037	297,226	129,141	8,008	39,510	45,636	82,428	(7,487)	246,200	348,261
2038	309,793	138,420	8,479	39,511	46,613	82,691	(7,802)	262,660	355,045
2039	312,523	135,439	8,276	38,809	47,253	83,420	(7,837)	257,054	360,829
2040	318,515	137,965	8,466	38,274	48,096	83,420	(7,983)	263,448	363,306
2041	323,375	151,656	9,402	37,326	49,817	83,964	(8,076)	278,528	368,936
2042	327,698	137,844	8,534	35,970	49,435	83,964	(8,160)	262,585	372,702
2043	335,158	145,586	9,107	35,618	51,088	83,964	(8,324)	275,611	376,587
2044	344,089	157,392	9,859	35,243	52,232	83,964	(8,514)	293,305	380,961
2045	353,445	156,459	9,850	34,951	53,452	84,336	(8,722)	296,261	387,510
2046	363,756	169,402	10,718	34,639	55,092	83,964	(8,961)	314,970	393,640
2047	372,748	179,536	11,395	34,267	56,993	83,964	(9,167)	333,280	396,455
2048	379,998	174,117	11,078	33,797	57,505	83,964	(9,350)	329,717	401,393
2049	376,505	170,404	10,924	33,797	57,013	83,025	(9,237)	320,533	401,897
Cumulative Present Worth \$000 (2020\$)									
Utility CPW 2020-2034	1,937,651	1,130,117	85,490	499,702	282,450	291,995	(46,890)	1,779,897	2,400,618
Utility CPW 2020-2049	2,977,818	1,599,161	114,892	619,838	441,709	559,850	(72,841)	2,663,609	3,576,818
CPW of End Effects beyond 2049									<u>713,991</u>
TOTAL Utility Cost, Net CPW (2020\$)									4,290,809

Kentucky POWER COMPANY
 2019 INTEGRATED RESOURCE PLAN
 Case 4 No Carbon Commodity Pricing and Allowance Market Pricing Optimal Plan

	Resource (Capacity) Additions										Energy & Capacity Positions										Carbon Output		
	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)=(20)+(21)+(22)	(24)	(25)	(26)=(24)-(25)	(27)=(23)-(26)	(28)	(29)	(30)=(28)-(29)	(31)	(32)
	(Current and Planned) Supply-Side + Purchased Unforced Capacity (UCAP)		(Increment) Energy Efficiency+ VVO + DR + Battery		Distributed Solar		Generic Wind		Utility Solar		Thermal Generation	(Current) Purchased Energy	(New) Generic Wind + Utility Solar	= Market Sales	Load (Net of Embedded EE)	Less: (Increment) Energy Efficiency+ VVO+Dist Solar	= Net Load Require- ments	ENERGY Surplus	Capacity	Peak + Reserves	CAPACITY Surplus	Reserve Margin	Existing Units CO2 Emissions
	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	GWh	GWh	GWh	GWh	GWh	GWh	GWh	GWh	MW	MW	MW	%	tons
2020	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,758	112	0	5,869	6,060	0	6,060	(191)	1,302	1,066	236	33.1	5,735,058	
2021	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,285	111	0	5,396	6,037	0	6,037	(641)	1,302	1,065	237	32.5	5,282,953	
2022	(217)	1,085	5.9	5.9	0.0	0.0	0.0	0.0	0.0	6,137	156	0	6,293	6,155	38	6,117	176	1,091	1,076	15	10.4	6,170,811	
2023	(50)	1,035	5.3	11.2	1.0	1.0	24.6	24.6	25.9	4,740	156	736	5,631	6,194	75	6,119	(488)	1,098	1,077	21	11.0	4,731,143	
2024	(100)	935	4.6	15.8	0.5	1.5	0.0	24.6	77.6	4,412	155	1,064	5,631	6,175	107	6,069	(438)	1,081	1,074	7	9.6	4,386,628	
2025	0	935	(1.5)	14.3	0.0	1.5	0.0	24.6	0.0	4,415	155	1,053	5,623	6,161	98	6,064	(441)	1,079	1,071	8	9.7	4,413,186	
2026	0	935	(1.6)	12.8	0.0	1.5	0.0	24.6	0.0	4,546	154	1,053	5,752	6,145	88	6,057	(305)	1,078	1,068	9	9.8	4,547,208	
2027	0	935	(1.5)	11.2	0.5	2.0	0.0	24.6	0.0	4,286	154	1,053	5,492	6,132	80	6,053	(561)	1,077	1,067	10	9.8	4,292,822	
2028	0	935	(1.7)	9.6	0.0	2.0	0.0	24.6	0.0	4,177	153	1,064	5,394	6,121	69	6,051	(657)	1,075	1,066	9	9.8	4,204,256	
2029	0	935	(1.8)	7.7	0.5	2.6	0.0	24.6	0.0	4,290	153	1,053	5,496	6,120	60	6,060	(564)	1,074	1,066	7	9.6	4,320,171	
2030	0	935	0.1	7.8	0.5	3.1	0.0	24.6	51.7	4,069	152	1,264	5,486	6,108	58	6,050	(564)	1,126	1,065	61	15.1	4,080,376	
2031	(140)	795	1.3	9.1	0.5	3.6	0.0	24.6	77.6	3,846	152	1,580	5,578	6,101	61	6,040	(462)	1,065	1,065	0	8.9	3,901,152	
2032	0	795	(0.0)	9.1	0.0	3.6	0.0	24.6	0.0	4,017	152	1,602	5,771	6,092	56	6,036	(266)	1,065	1,065	0	8.9	4,078,573	
2033	0	795	(0.7)	8.3	0.5	4.1	0.0	24.6	0.0	3,661	151	1,580	5,393	6,089	53	6,036	(643)	1,065	1,065	0	8.9	3,708,824	
2034	0	795	1.2	9.5	0.5	4.6	0.0	24.6	0.0	3,570	151	1,580	5,301	6,084	56	6,028	(727)	1,067	1,066	1	9.0	3,618,446	
2035	0	795	2.7	12.2	0.0	4.6	0.0	24.6	0.0	3,728	151	1,580	5,459	6,081	65	6,016	(557)	1,069	1,066	3	9.2	3,777,279	
2036	0	795	(1.3)	10.9	0.5	5.1	0.0	24.6	0.0	3,356	151	1,602	5,109	6,077	61	6,015	(906)	1,069	1,067	1	9.0	3,401,487	
2037	0	795	(1.1)	9.8	0.0	5.1	0.0	24.6	0.0	3,205	151	1,580	4,936	6,076	57	6,019	(1,083)	1,068	1,067	1	8.9	3,238,024	
2038	0	795	(0.5)	9.3	0.5	5.6	0.0	24.6	0.0	3,309	150	1,580	5,039	6,074	57	6,018	(979)	1,068	1,068	0	8.9	3,357,809	
2039	0	795	2.5	11.8	0.0	5.6	0.0	24.6	0.0	3,174	150	1,580	4,904	6,073	66	6,007	(1,103)	1,070	1,068	2	9.1	3,208,469	
2040	0	795	(0.5)	11.3	0.5	6.1	0.0	24.6	0.0	3,168	150	1,602	4,920	6,070	66	6,004	(1,084)	1,070	1,070	0	8.9	3,206,613	
2041	0	795	0.8	12.1	0.0	6.1	0.0	24.6	0.0	3,424	149	1,580	5,153	6,069	69	6,001	(847)	1,071	1,070	1	9.0	3,473,755	
2042	0	795	(0.3)	11.8	0.5	6.6	0.0	24.6	0.0	3,049	149	1,580	4,779	6,066	70	5,997	(1,218)	1,071	1,071	1	8.9	3,092,436	
2043	0	795	(0.2)	11.7	0.5	7.2	0.0	24.6	0.0	3,173	149	1,580	4,902	6,063	71	5,992	(1,091)	1,071	1,071	1	8.9	3,219,309	
2044	0	795	(0.1)	11.5	0.0	7.2	0.0	24.6	0.0	3,348	149	1,602	5,099	6,057	70	5,987	(889)	1,071	1,071	0	8.9	3,411,539	
2045	0	795	0.2	11.7	0.5	7.7	0.0	24.6	0.0	3,275	148	1,580	5,004	6,057	72	5,985	(982)	1,072	1,072	0	8.9	3,334,195	
2046	0	795	0.0	11.7	0.5	8.2	0.0	24.6	0.0	3,482	148	1,580	5,210	6,053	74	5,979	(769)	1,073	1,072	1	8.9	3,544,102	
2047	0	795	0.0	11.7	0.5	8.7	0.0	24.6	0.0	3,613	148	1,580	5,341	6,046	76	5,971	(630)	1,073	1,071	2	9.0	3,685,375	
2048	0	795	0.0	11.7	0.5	9.2	0.0	24.6	0.0	3,448	148	1,602	5,197	6,038	77	5,961	(764)	1,074	1,071	2	9.1	3,512,508	
2049	0	795	(2.8)	9.0	0.0	9.2	0.0	24.6	0.0	3,311	146	1,580	5,037	5,960	67	5,894	(857)	1,071	1,070	0	8.9	3,379,552	

Kentucky POWER COMPANY
 2019 INTEGRATED RESOURCE PLAN
 Case 7 Base Band Commodity Pricing and Allowance Market Pricing with Peaking Option Early

	Resource (Capacity) Additions										Energy & Capacity Positions										Carbon Output Existing Units CO2 Emissions			
	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)=(20)+(21)+(22)	(24)	(25)	(26)=(24)-(25)	(27)=(23)-(26)	(28)	(29)		(30)=(28)-(29)	(31)	(32)
	(Current and Planned) Supply-Side + Purchased Unforced Capacity (UCAP)		(Increment) Energy Efficiency+ VVO + DR + Battery		Distributed Solar		Generic Wind		Utility Solar		Thermal Generation	(Current) Purchased Energy	(New) Generic Wind + Utility Solar	= Market Sales	Load (Net of Embedded EE)	Less: (Increment) Energy Efficiency+ VVO+Dist Solar	= Net Load Require- ments	ENERGY Surplus	Capacity	Peak + Reserves		CAPACITY Surplus	Reserve Margin	tons
	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	GWh	GWh	GWh	GWh	GWh	GWh	GWh	GWh	MW	MW		MW	%	tons
2020	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,801	112	0	5,913	6,060	0	6,060	(147)	1,302	1,066	236	33.1	5,769,805		
2021	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,273	111	0	5,384	6,037	0	6,037	(653)	1,302	1,065	237	32.5	5,267,945		
2022	(217)	1,085	5.9	5.9	0.0	0.0	0.0	0.0	0.0	6,096	156	0	6,252	6,155	38	6,117	135	1,091	1,076	15	10.4	6,138,111		
2023	98	1,183	5.3	11.2	1.0	1.0	24.6	24.6	0.0	4,867	156	631	5,654	6,194	75	6,119	(465)	1,220	1,077	143	23.4	4,809,102		
2024	0	1,183	3.1	14.3	0.5	1.5	12.3	36.9	0.0	4,540	155	959	5,654	6,175	98	6,077	(423)	1,236	1,074	162	25.3	4,464,164		
2025	0	1,183	(1.3)	13.0	0.0	1.5	0.0	36.9	0.0	4,519	155	955	5,629	6,161	90	6,071	(442)	1,235	1,071	164	25.5	4,477,756		
2026	0	1,183	(1.4)	11.6	0.0	1.5	0.0	36.9	0.0	4,657	154	955	5,766	6,145	81	6,064	(298)	1,233	1,068	165	25.7	4,621,457		
2027	0	1,183	(1.4)	10.2	0.5	2.0	0.0	36.9	0.0	4,387	154	955	5,495	6,132	74	6,058	(563)	1,232	1,067	165	25.7	4,354,862		
2028	0	1,183	(1.5)	8.7	0.0	2.0	0.0	36.9	0.0	3,183	153	959	4,296	6,121	64	6,056	(1,761)	1,231	1,066	165	25.7	3,120,664		
2029	0	1,183	(1.6)	7.0	0.5	2.6	0.0	36.9	0.0	3,277	153	955	4,385	6,120	56	6,064	(1,679)	1,230	1,066	164	25.6	3,244,078		
2030	0	1,183	(1.5)	5.5	0.5	3.1	0.0	36.9	77.6	3,138	152	1,271	4,562	6,108	48	6,060	(1,498)	1,306	1,065	241	33.5	3,100,352		
2031	(262)	921	(1.4)	4.1	0.5	3.6	0.0	36.9	155.1	3,112	152	1,904	5,168	6,101	41	6,060	(892)	1,199	1,065	133	22.5	3,152,011		
2032	0	921	(1.3)	2.8	0.0	3.6	0.0	36.9	0.0	3,225	152	1,927	5,304	6,092	31	6,062	(758)	1,197	1,065	132	22.4	3,255,919		
2033	0	921	(1.0)	1.8	0.5	4.1	0.0	36.9	0.0	3,083	151	1,904	5,139	6,089	25	6,064	(925)	1,197	1,065	132	22.3	3,111,697		
2034	0	921	(0.8)	1.0	0.5	4.6	0.0	36.9	0.0	3,122	151	1,904	5,178	6,084	22	6,062	(885)	1,197	1,066	131	22.2	3,159,272		
2035	0	921	(0.5)	0.5	0.0	4.6	0.0	36.9	0.0	3,477	151	1,904	5,533	6,081	19	6,062	(530)	1,196	1,066	130	22.1	3,525,043		
2036	0	921	(0.3)	0.2	0.5	5.1	0.0	36.9	0.0	3,056	151	1,927	5,133	6,077	19	6,057	(924)	1,196	1,067	129	22.0	3,084,178		
2037	0	921	(0.1)	0.1	0.0	5.1	0.0	36.9	0.0	2,731	151	1,904	4,786	6,076	19	6,058	(1,272)	1,196	1,067	129	22.0	2,759,740		
2038	0	921	(0.0)	0.0	0.5	5.6	0.0	36.9	0.0	3,019	150	1,904	5,073	6,074	20	6,054	(981)	1,197	1,068	129	22.0	3,053,534		
2039	0	921	(0.0)	0.0	0.0	5.6	0.0	36.9	0.0	3,121	150	1,904	5,175	6,073	20	6,053	(878)	1,197	1,068	128	22.0	3,152,427		
2040	0	921	(0.0)	0.0	0.5	6.1	0.0	36.9	0.0	2,988	150	1,927	5,065	6,070	22	6,048	(983)	1,197	1,070	127	21.8	3,030,200		
2041	0	921	0.0	0.0	0.0	6.1	0.0	36.9	0.0	3,092	149	1,904	5,145	6,069	22	6,047	(902)	1,197	1,070	127	21.8	3,141,217		
2042	0	921	0.0	0.0	0.5	6.6	0.0	36.9	0.0	2,736	149	1,904	4,789	6,066	24	6,042	(1,253)	1,198	1,071	127	21.8	2,779,344		
2043	0	921	0.0	0.0	0.5	7.2	0.0	36.9	0.0	2,889	149	1,904	4,942	6,063	26	6,037	(1,095)	1,198	1,071	127	21.8	2,943,462		
2044	0	921	0.0	0.0	0.0	7.2	0.0	36.9	0.0	3,029	149	1,927	5,105	6,057	26	6,032	(927)	1,198	1,071	127	21.8	3,084,188		
2045	0	921	0.0	0.0	0.5	7.7	0.0	36.9	0.0	2,777	148	1,904	4,829	6,057	27	6,030	(1,201)	1,199	1,072	127	21.7	2,828,118		
2046	0	921	0.0	0.0	0.5	8.2	0.0	36.9	0.0	2,872	148	1,904	4,924	6,053	29	6,024	(1,099)	1,199	1,072	127	21.8	2,932,556		
2047	0	921	0.0	0.0	0.5	8.7	0.0	36.9	0.0	3,078	148	1,904	5,130	6,046	31	6,015	(885)	1,200	1,071	128	21.9	3,139,944		
2048	0	921	0.0	0.0	0.5	9.2	0.0	36.9	0.0	2,867	148	1,927	4,942	6,038	33	6,005	(1,064)	1,200	1,071	129	22.0	2,920,945		
2049	0	921	0.0	0.0	0.0	9.2	0.0	36.9	0.0	2,541	146	1,904	4,590	5,960	33	5,927	(1,337)	1,200	1,070	130	22.1	2,598,200		

Kentucky POWER COMPANY
2019 INTEGRATED RESOURCE PLAN
Case 7 Base Band Commodity Pricing and Allowance Market Pricing with Peaking Option Early

Utility Costs (Nominal\$000)									
	(1) Load Cost	(2) Fuel Costs	(3) Emission Costs	(4) (Incremental) Existing System FOM and OGC	(5) (Incremental) Variable O&M + Fixed O&M + Lease Costs + PPA Costs	(6) (Incremental) Capital + Renewable + Energy Efficiency + VVO Program Costs	(7) Contract (Revenue)/Cost	(8) Less: Market Revenue	(9)=(1)thru(7)-(8) GRAND TOTAL, Net Utility Costs
	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000
2020	177,346	142,840	10,826	53,709	28,482	0	(3,269)	173,954	235,980
2021	178,063	133,472	11,813	72,592	27,896	0	(3,280)	161,162	259,394
2022	188,272	147,068	14,413	75,935	34,365	3,905	(4,819)	191,803	267,336
2023	197,404	114,523	7,801	69,537	30,581	44,550	(5,010)	178,336	281,050
2024	205,528	112,784	7,520	61,230	37,190	51,637	(5,209)	186,591	284,088
2025	211,489	115,590	7,951	56,321	37,833	49,396	(5,368)	191,869	281,344
2026	217,269	124,251	8,526	50,030	38,872	49,386	(5,504)	202,827	280,004
2027	225,225	122,643	8,350	48,815	39,359	49,374	(5,701)	200,129	287,936
2028	279,834	90,562	48,552	49,255	37,466	49,361	(7,054)	198,817	349,159
2029	280,873	92,584	52,248	47,861	38,575	49,345	(7,083)	203,018	351,386
2030	286,106	90,809	51,594	40,606	42,778	63,347	(7,214)	216,553	351,473
2031	289,936	85,135	54,441	39,600	51,125	91,786	(7,321)	247,212	357,489
2032	297,164	89,355	58,074	39,501	52,009	91,786	(7,509)	261,612	358,769
2033	302,433	85,109	57,336	39,428	52,723	91,786	(7,631)	257,461	363,723
2034	310,023	87,265	60,186	39,389	53,436	91,786	(7,807)	265,409	368,868
2035	320,875	97,813	69,384	39,705	55,462	91,786	(8,090)	294,741	372,194
2036	322,442	88,612	62,707	39,525	54,970	91,786	(8,123)	275,083	376,835
2037	331,406	84,421	57,997	39,510	54,917	91,786	(8,332)	265,268	386,437
2038	342,420	93,157	66,317	39,511	56,394	91,786	(8,603)	289,122	391,860
2039	350,465	96,224	70,747	38,809	57,712	91,786	(8,790)	301,191	395,763
2040	356,454	93,530	70,320	38,274	58,045	91,786	(8,923)	300,412	399,074
2041	361,130	97,634	75,374	37,326	59,106	91,786	(9,008)	306,725	406,623
2042	370,212	88,474	68,907	35,970	58,741	91,786	(9,223)	294,917	409,951
2043	375,483	94,517	75,467	35,618	60,604	91,786	(9,318)	308,175	415,983
2044	388,977	101,003	81,711	35,243	61,591	91,786	(9,630)	328,070	422,612
2045	395,758	94,119	77,444	34,951	62,102	91,786	(9,765)	317,100	429,295
2046	406,520	99,196	83,028	34,639	63,262	91,786	(10,009)	330,479	437,941
2047	416,354	108,331	91,883	34,267	65,583	91,786	(10,235)	354,219	443,749
2048	425,538	102,707	88,324	33,797	65,886	91,786	(10,469)	348,705	448,864
2049	423,471	93,119	81,238	33,797	65,001	91,786	(10,393)	328,163	449,856
Cumulative Present Worth \$000 (2020\$)									
Utility CPW 2020-2034	2,072,860	1,035,044	226,083	499,702	342,451	391,576	(50,251)	1,812,043	2,705,422
Utility CPW 2020-2049	3,238,207	1,339,307	458,927	619,838	531,854	686,677	(79,302)	2,787,178	4,008,328
CPW of End Effects beyond 2049									<u>799,191</u>
TOTAL Utility Cost, Net CPW (2020\$)									4,807,520

Kentucky POWER COMPANY
 2019 INTEGRATED RESOURCE PLAN
 Case 8 Base Band Commodity Pricing and Allowance Market Pricing CC in 2024

	Resource (Capacity) Additions										Energy & Capacity Positions										Carbon Output			
	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)=(20)+(21)+(22)	(24)	(25)	(26)=(24)-(25)	(27)=(23)-(26)	(28)	(29)		(30)=(28)-(29)	(31)	(32)
	(Current and Planned) Supply-Side + Purchased Unforced Capacity (UCAP)		(Increment) Energy Efficiency+ VVO + DR + Battery		Distributed Solar		Generic Wind		Utility Solar		Thermal Generation	(Current) Purchased Energy	(New) Generic Wind + Utility Solar	= Market Sales	Load (Net of Embedded EE)	Less: (Increment) Energy Efficiency+ VVO+Dist Solar	= Net Load Require- ments	ENERGY Surplus	Capacity	Peak + Reserves		CAPACITY Surplus	Reserve Margin	Existing Units CO2 Emissions
	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	GWh	GWh	GWh	GWh	GWh	GWh	GWh	GWh	MW	MW		MW	%	tons
2020	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,801	112	0	5,913	6,060	0	6,060	(147)	1,302	1,066	236	33.1	5,769,805		
2021	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,273	111	0	5,384	6,037	0	6,037	(653)	1,302	1,065	237	32.5	5,267,945		
2022	(217)	1,085	9.1	9.1	0.0	0.0	0.0	0.0	0.0	6,096	156	0	6,252	6,155	51	6,104	148	1,094	1,076	18	10.7	6,138,111		
2023	(50)	1,035	6.8	15.9	1.0	1.0	24.6	24.6	0.0	4,756	156	631	5,542	6,194	95	6,099	(557)	1,077	1,077	0	8.9	4,742,434		
2024	301	1,336	2.7	18.6	0.5	1.5	12.3	36.9	0.0	6,628	155	959	7,742	6,175	115	6,060	1,682	1,393	1,074	320	41.3	5,212,339		
2025	0	1,336	(2.0)	16.6	0.0	1.5	0.0	36.9	0.0	6,594	155	955	7,703	6,161	105	6,056	1,647	1,391	1,071	320	41.4	5,223,290		
2026	0	1,336	(2.1)	14.5	0.0	1.5	0.0	36.9	0.0	6,700	154	955	7,809	6,145	93	6,052	1,757	1,389	1,068	321	41.6	5,357,084		
2027	0	1,336	(2.1)	12.4	0.5	2.0	0.0	36.9	0.0	6,426	154	955	7,534	6,132	83	6,049	1,485	1,388	1,067	321	41.6	5,087,570		
2028	0	1,336	(2.1)	10.3	0.0	2.0	0.0	36.9	0.0	5,300	153	959	6,412	6,121	71	6,049	363	1,385	1,066	319	41.5	3,880,384		
2029	0	1,336	(2.2)	8.2	0.5	2.6	0.0	36.9	0.0	5,275	153	955	6,383	6,120	61	6,059	324	1,384	1,066	318	41.3	3,964,355		
2030	0	1,336	(1.9)	6.2	0.5	3.1	0.0	36.9	77.6	5,078	152	1,271	6,502	6,108	51	6,057	445	1,460	1,065	395	49.2	3,799,853		
2031	(262)	1,074	(1.7)	4.5	0.5	3.6	0.0	36.9	155.1	4,980	152	1,904	7,037	6,101	43	6,058	978	1,352	1,065	287	38.2	3,825,195		
2032	0	1,074	(1.5)	3.1	0.0	3.6	0.0	36.9	0.0	5,009	152	1,927	7,088	6,092	32	6,061	1,027	1,351	1,065	285	38.0	3,892,807		
2033	0	1,074	(1.1)	1.9	0.5	4.1	0.0	36.9	0.0	4,788	151	1,904	6,844	6,089	26	6,063	781	1,350	1,065	285	38.0	3,720,641		
2034	0	1,074	(0.9)	1.1	0.5	4.6	0.0	36.9	0.0	4,787	151	1,904	6,842	6,084	22	6,062	780	1,350	1,066	284	37.9	3,755,635		
2035	0	1,074	(0.6)	0.5	0.0	4.6	0.0	36.9	0.0	5,108	151	1,904	7,163	6,081	19	6,062	1,101	1,349	1,066	283	37.8	4,105,107		
2036	0	1,074	(0.3)	0.2	0.5	5.1	0.0	36.9	0.0	4,618	151	1,927	6,696	6,077	19	6,057	639	1,349	1,067	282	37.6	3,641,182		
2037	0	1,074	(0.1)	0.1	0.0	5.1	0.0	36.9	0.0	4,228	151	1,904	6,282	6,076	19	6,058	225	1,349	1,067	282	37.7	3,294,377		
2038	0	1,074	(0.0)	0.0	0.5	5.6	0.0	36.9	0.0	4,487	150	1,904	6,541	6,074	20	6,054	487	1,350	1,068	282	37.6	3,577,304		
2039	0	1,074	(0.0)	0.0	0.0	5.6	0.0	36.9	0.0	4,519	150	1,904	6,573	6,073	20	6,053	520	1,350	1,068	281	37.6	3,649,767		
2040	0	1,074	(0.0)	0.0	0.5	6.1	0.0	36.9	0.0	4,380	150	1,927	6,457	6,070	22	6,048	409	1,350	1,070	280	37.4	3,529,730		
2041	0	1,074	0.0	0.0	0.0	6.1	0.0	36.9	0.0	4,346	149	1,904	6,399	6,069	22	6,047	352	1,350	1,070	280	37.4	3,595,539		
2042	0	1,074	0.0	0.0	0.5	6.6	0.0	36.9	0.0	3,934	149	1,904	5,987	6,066	24	6,042	(55)	1,351	1,071	280	37.3	3,213,408		
2043	0	1,074	0.0	0.0	0.5	7.2	0.0	36.9	0.0	3,973	149	1,904	6,026	6,063	26	6,037	(11)	1,351	1,071	280	37.4	3,338,059		
2044	0	1,074	0.0	0.0	0.0	7.2	0.0	36.9	0.0	4,139	149	1,927	6,214	6,057	26	6,032	182	1,351	1,071	280	37.3	3,488,327		
2045	0	1,074	0.0	0.0	0.5	7.7	0.0	36.9	0.0	3,729	148	1,904	5,781	6,057	27	6,030	(249)	1,352	1,072	280	37.3	3,176,032		
2046	0	1,074	0.0	0.0	0.5	8.2	0.0	36.9	0.0	3,777	148	1,904	5,829	6,053	29	6,024	(194)	1,352	1,072	280	37.3	3,264,170		
2047	0	1,074	0.0	0.0	0.5	8.7	0.0	36.9	0.0	3,974	148	1,904	6,026	6,046	31	6,015	11	1,353	1,071	281	37.4	3,468,134		
2048	0	1,074	0.0	0.0	0.5	9.2	0.0	36.9	0.0	3,705	148	1,927	5,779	6,038	33	6,005	(226)	1,353	1,071	282	37.5	3,227,752		
2049	0	1,074	0.0	0.0	0.0	9.2	0.0	36.9	0.0	3,334	146	1,904	5,384	5,960	33	5,927	(543)	1,353	1,070	283	37.6	2,890,066		

Kentucky POWER COMPANY
2019 INTEGRATED RESOURCE PLAN
Case 8 Base Band Commodity Pricing and Allowance Market Pricing CC in 2024

Utility Costs (Nominal\$000)									
	(1) Load Cost	(2) Fuel Costs	(3) Emission Costs	(4) (Incremental) Existing System FOM and OGC	(5) (Incremental) Variable O&M + Fixed O&M + Lease Costs + PPA Costs	(6) (Incremental) Capital + Renewable + Energy Efficiency + VVO Program Costs	(7) Contract (Revenue)/Cost	(8) Less: Market Revenue	(9)=(1)thru(7)-(8) GRAND TOTAL, Net Utility Costs
	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000
2020	177,346	142,840	10,826	53,709	28,482	0	(3,269)	173,954	235,980
2021	178,063	133,472	11,813	72,592	27,896	0	(3,280)	161,162	259,394
2022	188,272	147,068	14,413	75,935	34,365	6,833	(4,819)	192,196	269,871
2023	197,404	110,707	7,801	69,537	25,860	19,447	(5,010)	173,931	251,816
2024	205,528	160,343	7,520	61,230	37,842	66,152	(5,209)	254,882	278,523
2025	211,489	164,820	7,951	56,321	38,527	63,912	(5,368)	261,884	275,768
2026	217,269	174,785	8,526	50,030	39,574	63,901	(5,504)	273,972	274,609
2027	225,225	174,809	8,350	48,815	40,023	63,890	(5,701)	273,726	281,685
2028	279,834	148,516	58,890	49,255	38,249	63,876	(7,054)	293,200	338,366
2029	280,873	149,542	62,392	47,861	39,249	63,860	(7,083)	293,695	343,000
2030	286,106	148,038	61,791	40,606	43,376	77,862	(7,214)	306,673	343,891
2031	289,936	141,791	64,597	39,600	51,600	106,301	(7,321)	336,270	350,234
2032	297,164	144,603	68,020	39,501	52,189	106,301	(7,509)	348,907	351,362
2033	302,433	139,565	67,178	39,428	52,781	106,301	(7,631)	343,214	356,842
2034	310,023	142,764	70,162	39,389	53,482	106,301	(7,807)	351,507	362,807
2035	320,875	153,697	79,427	39,705	55,322	106,301	(8,090)	382,091	365,145
2036	322,442	143,371	72,688	39,525	54,741	106,301	(8,123)	360,337	370,609
2037	331,406	139,457	67,912	39,510	54,609	106,301	(8,332)	349,924	380,939
2038	342,420	149,173	76,371	39,511	55,999	106,301	(8,603)	375,170	386,002
2039	350,465	151,125	80,628	38,809	57,136	106,301	(8,790)	385,464	390,210
2040	356,454	150,148	80,591	38,274	57,583	106,301	(8,923)	386,924	393,505
2041	361,130	151,481	85,043	37,326	58,482	106,301	(9,008)	387,836	402,918
2042	370,212	142,036	78,469	35,970	57,989	106,301	(9,223)	374,795	406,959
2043	375,483	144,654	84,463	35,618	59,642	106,301	(9,318)	382,170	414,673
2044	388,977	154,804	91,247	35,243	60,673	106,301	(9,630)	406,878	420,737
2045	395,758	142,275	85,941	34,951	60,829	106,301	(9,765)	387,222	429,067
2046	406,520	146,830	91,410	34,639	61,878	106,301	(10,009)	399,686	437,882
2047	416,354	156,841	100,469	34,267	64,141	106,301	(10,235)	424,733	443,405
2048	425,538	149,392	96,631	33,797	64,253	106,301	(10,469)	416,962	448,482
2049	423,471	138,604	89,418	33,797	63,275	106,301	(10,393)	393,954	450,520
Cumulative Present Worth \$000 (2020\$)									
Utility CPW 2020-2034	2,072,860	1,334,178	257,329	499,702	341,963	457,002	(50,251)	2,266,615	2,646,168
Utility CPW 2020-2049	3,238,207	1,808,871	520,750	619,838	529,081	798,770	(79,302)	3,499,377	3,936,838
CPW of End Effects beyond 2049									<u>800,371</u>
TOTAL Utility Cost, Net CPW (2020\$)									<u>4,737,209</u>

Kentucky POWER COMPANY
2019 INTEGRATED RESOURCE PLAN
Base Band Commodity Pricing and Allowance Market Pricing Optimal Plan for 2022-2030 CC Only Plan

Utility Costs (Nominal\$000)									
	(1) Load Cost	(2) Fuel Costs	(3) Emission Costs	(4) (Incremental) Existing System FOM and OGC	(5) (Incremental) Variable O&M + Fixed O&M + Lease Costs + PPA Costs	(6) (Incremental) Capital + Renewable + Energy Efficiency + VVO Program Costs	(7) Contract (Revenue)/Cost	(8) Less: Market Revenue	(9)=(1)thru(7)-(8) GRAND TOTAL, Net Utility Costs
	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000
2020	177,346	142,840	10,826	53,709	28,482	0	(3,269)	173,954	235,980
2021	178,063	133,472	11,813	72,592	27,896	0	(3,280)	161,162	259,394
2022	188,272	147,068	14,413	75,935	34,365	0	(4,819)	190,668	264,566
2023	197,404	110,707	7,801	69,537	14,817	0	(5,010)	151,862	243,396
2024	205,528	161,702	7,520	61,230	18,710	40,965	(5,209)	222,407	268,038
2025	211,489	166,554	7,951	56,321	19,084	40,965	(5,368)	229,224	267,772
2026	217,269	176,857	8,526	50,030	19,764	40,965	(5,504)	240,697	267,210
2027	225,225	176,605	8,350	48,815	19,793	40,965	(5,701)	239,341	274,710
2028	279,834	148,702	58,919	49,255	17,443	40,965	(7,054)	248,656	339,409
2029	280,873	150,136	62,491	47,861	18,106	40,965	(7,083)	250,055	343,294
2030	286,106	148,063	61,796	40,606	18,283	40,965	(7,214)	246,814	341,791
2031	289,936	141,895	64,610	39,600	26,013	69,404	(7,321)	275,875	348,263
2032	297,164	144,628	68,012	39,501	30,308	84,214	(7,509)	303,363	352,955
2033	302,433	138,434	66,961	39,428	30,456	84,214	(7,631)	296,483	357,812
2034	310,023	141,692	69,960	39,389	31,378	84,214	(7,807)	303,526	365,323
2035	320,875	151,838	79,078	39,705	32,731	84,214	(8,090)	332,010	368,340
2036	322,442	142,051	72,436	39,525	32,342	84,214	(8,123)	310,429	374,458
2037	331,406	137,920	67,633	39,510	31,820	84,214	(8,332)	298,230	385,941
2038	342,420	146,719	75,922	39,511	33,379	84,214	(8,603)	320,924	392,638
2039	350,465	149,235	80,268	38,809	34,097	84,214	(8,790)	331,097	397,202
2040	356,454	146,998	79,994	38,274	34,632	84,214	(8,923)	329,428	402,214
2041	361,130	147,997	84,410	37,326	35,135	84,214	(9,008)	329,910	411,293
2042	370,212	137,594	77,666	35,970	34,818	84,214	(9,223)	313,779	417,473
2043	375,483	139,569	83,537	35,618	35,980	84,214	(9,318)	318,792	426,291
2044	388,977	148,210	90,063	35,243	37,105	84,214	(9,630)	339,835	434,347
2045	395,758	135,791	84,765	34,951	36,871	84,214	(9,765)	319,092	443,493
2046	406,520	141,059	90,378	34,639	38,193	84,214	(10,009)	330,923	454,070
2047	416,354	148,095	98,927	34,267	39,853	84,214	(10,235)	351,134	460,340
2048	425,538	142,157	95,345	33,797	40,208	84,214	(10,469)	342,821	467,969
2049	423,471	130,101	87,886	33,797	39,233	84,214	(10,393)	317,716	470,594
Cumulative Present Worth \$000 (2020\$)									
Utility CPW 2020-2034	2,072,860	1,338,255	257,245	499,702	213,179	293,702	(50,251)	2,009,763	2,614,929
Utility CPW 2020-2049	3,238,207	1,800,455	518,396	619,838	325,771	564,457	(79,302)	3,051,681	3,936,141
CPW of End Effects beyond 2049									<u>836,034</u>
TOTAL Utility Cost, Net CPW (2020\$)									<u>4,772,175</u>

Kentucky POWER COMPANY
 2019 INTEGRATED RESOURCE PLAN
 Base Band Commodity Pricing and Allowance Market Pricing Optimal Plan for 2022-2030 CC Only Plan

	Resource (Capacity) Additions										Energy & Capacity Positions										Carbon Output					
	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)=(20)+(21)+(22)	(24)	(25)	(26)=(24)-(25)	(27)=(23)-(26)	(28)	(29)		(30)=(28)-(29)	(31)	(32)		
	(Current and Planned) Supply-Side + Purchased Unforced Capacity (UCAP)		(Increment) Energy Efficiency+ VVO + DR + Battery		Distributed Solar		Generic Wind		Utility Solar		Thermal Generation	(Current) Purchased Energy	(New) Generic Wind + Utility Solar	= Market Sales	Load (Net of Embedded EE)	Less: (Increment) Energy Efficiency+ VVO+Dist Solar	= Net Load Require- ments	ENERGY Surplus	Capacity	Peak + Reserves		CAPACITY Surplus	Reserve Margin	Existing Units CO2 Emissions		
	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	GWh	GWh	GWh	GWh	GWh	GWh	GWh	GWh	MW	MW		MW	%	tons		
2020	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,801	112	0	5,913	6,060	0	6,060	(147)	1,302	1,066	236	33.1	5,769,805
2021	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,273	111	0	5,384	6,037	0	6,037	(653)	1,302	1,065	237	32.5	5,267,945
2022	(217)	1,085	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6,096	156	0	6,252	6,155	0	6,155	97	1,085	1,076	9	9.8	6,138,111
2023	0	1,085	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,756	156	0	4,912	6,194	4	6,190	(1,279)	1,086	1,077	10	9.8	4,742,434
2024	251	1,336	0.0	0.0	0.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6,686	155	0	6,841	6,175	5	6,170	671	1,338	1,074	264	35.6	5,233,734
2025	0	1,336	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6,664	155	0	6,819	6,161	5	6,156	663	1,338	1,071	267	36.0	5,249,357
2026	0	1,336	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6,782	154	0	6,936	6,145	5	6,140	796	1,338	1,068	269	36.3	5,387,253
2027	0	1,336	0.0	0.0	0.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6,493	154	0	6,647	6,132	7	6,125	522	1,338	1,067	271	36.6	5,112,519
2028	0	1,336	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,306	153	0	5,459	6,121	7	6,113	(655)	1,338	1,066	272	36.7	3,882,527
2029	0	1,336	0.0	0.0	0.5	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,294	153	0	5,447	6,120	9	6,110	(663)	1,339	1,066	273	36.7	3,971,350
2030	0	1,336	0.0	0.0	0.5	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,079	152	0	5,232	6,108	11	6,097	(865)	1,339	1,065	274	36.9	3,800,181
2031	(262)	1,074	0.0	0.0	0.5	3.6	0.0	0.0	155.1	155.1	4,983	152	633	4,983	152	633	5,768	6,101	13	6,088	(320)	1,233	1,065	168	26.0	3,826,067
2032	0	1,074	0.0	0.0	0.0	3.6	0.0	0.0	77.6	232.7	5,007	152	968	6,127	152	968	6,127	6,092	13	6,080	48	1,311	1,065	245	34.0	3,892,303
2033	0	1,074	0.0	0.0	0.5	4.1	0.0	0.0	0.0	232.7	4,752	151	949	5,853	151	949	6,089	6,089	15	6,074	(221)	1,311	1,065	246	34.0	3,707,237
2034	0	1,074	0.0	0.0	0.5	4.6	0.0	0.0	0.0	232.7	4,754	151	949	5,854	151	949	6,084	6,084	16	6,068	(213)	1,312	1,066	246	34.0	3,743,564
2035	0	1,074	0.0	0.0	0.0	4.6	0.0	0.0	0.0	232.7	5,054	151	949	6,154	151	949	6,081	6,081	16	6,065	89	1,312	1,066	245	33.9	4,084,970
2036	0	1,074	0.0	0.0	0.5	5.1	0.0	0.0	0.0	232.7	4,580	151	968	5,699	151	968	6,077	6,077	18	6,058	(359)	1,312	1,067	245	33.8	3,627,131
2037	0	1,074	0.0	0.0	0.0	5.1	0.0	0.0	0.0	232.7	4,187	151	949	5,287	151	949	6,076	6,076	18	6,058	(771)	1,312	1,067	245	33.9	3,279,352
2038	0	1,074	0.0	0.0	0.5	5.6	0.0	0.0	0.0	232.7	4,423	150	949	5,523	150	949	6,074	6,074	20	6,054	(531)	1,313	1,068	245	33.9	3,553,926
2039	0	1,074	0.0	0.0	0.0	5.6	0.0	0.0	0.0	232.7	4,470	150	949	5,569	150	949	6,073	6,073	20	6,053	(483)	1,313	1,068	245	33.8	3,631,688
2040	0	1,074	0.0	0.0	0.5	6.1	0.0	0.0	0.0	232.7	4,301	150	968	5,419	150	968	6,070	6,070	22	6,048	(629)	1,313	1,070	243	33.6	3,500,656
2041	0	1,074	0.0	0.0	0.0	6.1	0.0	0.0	0.0	232.7	4,265	149	949	5,364	149	949	6,069	6,069	22	6,047	(683)	1,313	1,070	243	33.6	3,565,798
2042	0	1,074	0.0	0.0	0.5	6.6	0.0	0.0	0.0	232.7	3,835	149	949	4,934	149	949	6,066	6,066	24	6,042	(1,109)	1,314	1,071	243	33.6	3,176,980
2043	0	1,074	0.0	0.0	0.5	7.2	0.0	0.0	0.0	232.7	3,863	149	949	4,961	149	949	6,063	6,063	26	6,037	(1,076)	1,314	1,071	243	33.6	3,297,422
2044	0	1,074	0.0	0.0	0.0	7.2	0.0	0.0	0.0	232.7	4,003	149	968	5,120	149	968	6,057	6,057	26	6,032	(912)	1,314	1,071	243	33.6	3,438,167
2045	0	1,074	0.0	0.0	0.5	7.7	0.0	0.0	0.0	232.7	3,599	148	949	4,697	148	949	6,057	6,057	27	6,030	(1,333)	1,315	1,072	243	33.5	3,127,906
2046	0	1,074	0.0	0.0	0.5	8.2	0.0	0.0	0.0	232.7	3,667	148	949	4,764	148	949	6,053	6,053	29	6,024	(1,259)	1,315	1,072	243	33.6	3,223,350
2047	0	1,074	0.0	0.0	0.5	8.7	0.0	0.0	0.0	232.7	3,815	148	949	4,912	148	949	6,046	6,046	31	6,015	(1,103)	1,316	1,071	244	33.7	3,409,184
2048	0	1,074	0.0	0.0	0.5	9.2	0.0	0.0	0.0	232.7	3,576	148	968	4,692	148	968	6,038	6,038	33	6,005	(1,313)	1,316	1,071	245	33.8	3,180,229
2049	0	1,074	0.0	0.0	0.0	9.2	0.0	0.0	0.0	232.7	3,187	146	949	4,281	146	949	4,281	5,960	33	5,927	(1,646)	1,316	1,070	246	33.9	2,835,420

Kentucky POWER COMPANY
2019 INTEGRATED RESOURCE PLAN
Base Band Commodity Pricing and Allowance Market Pricing Optimal Plan for 2022-2030 CT Only Plan

Utility Costs (Nominal\$000)									
	(1) Load Cost	(2) Fuel Costs	(3) Emission Costs	(4) (Incremental) Existing System FOM and OGC	(5) (Incremental) Variable O&M + Fixed O&M + Lease Costs + PPA Costs	(6) (Incremental) Capital + Renewable + Energy Efficiency + VVO Program Costs	(7) Contract (Revenue)/Cost	(8) Less: Market Revenue	(9)=(1)thru(7)-(8) GRAND TOTAL, Net Utility Costs
	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000
2020	177,346	142,840	10,826	53,709	28,482	0	(3,269)	173,954	235,980
2021	178,063	133,472	11,813	72,592	27,896	0	(3,280)	161,162	259,394
2022	188,272	147,068	14,413	75,935	34,365	0	(4,819)	190,668	264,566
2023	197,404	114,523	7,801	69,537	18,045	26,449	(5,010)	156,894	271,855
2024	205,528	112,784	7,520	61,230	17,959	26,449	(5,209)	153,215	273,046
2025	211,489	115,590	7,951	56,321	18,267	26,449	(5,368)	157,838	272,861
2026	217,269	124,251	8,526	50,030	18,917	26,449	(5,504)	167,723	272,215
2027	225,225	122,643	8,350	48,815	19,006	26,449	(5,701)	164,146	280,642
2028	279,834	90,562	48,552	49,255	16,650	26,449	(7,054)	154,373	349,876
2029	280,873	92,584	52,248	47,861	17,396	26,449	(7,083)	158,847	351,482
2030	286,106	90,809	51,594	40,606	17,683	26,449	(7,214)	156,828	349,206
2031	289,936	85,135	54,441	39,600	25,532	54,889	(7,321)	186,795	355,417
2032	297,164	89,355	58,074	39,501	30,131	69,699	(7,509)	216,114	360,301
2033	302,433	85,109	57,336	39,428	30,472	69,699	(7,631)	212,234	364,612
2034	310,023	87,265	60,186	39,389	31,401	69,699	(7,807)	218,851	371,304
2035	320,875	97,813	69,384	39,705	32,987	69,699	(8,090)	247,075	375,296
2036	322,442	88,612	62,707	39,525	32,653	69,699	(8,123)	226,912	380,602
2037	331,406	84,421	57,997	39,510	32,218	69,699	(8,332)	215,550	391,368
2038	342,420	93,157	66,317	39,511	33,916	69,699	(8,603)	237,977	398,440
2039	350,465	96,224	70,747	38,809	34,786	69,699	(8,790)	249,258	402,682
2040	356,454	93,530	70,320	38,274	35,279	69,699	(8,923)	246,964	407,669
2041	361,130	97,634	75,374	37,326	35,952	69,699	(9,008)	253,243	414,864
2042	370,212	88,474	68,907	35,970	35,811	69,699	(9,223)	239,542	420,308
2043	375,483	94,517	75,467	35,618	37,217	69,699	(9,318)	251,285	427,398
2044	388,977	101,003	81,711	35,243	38,369	69,699	(9,630)	269,374	435,998
2045	395,758	94,119	77,444	34,951	38,481	69,699	(9,765)	257,237	443,450
2046	406,520	99,196	83,028	34,639	39,869	69,699	(10,009)	269,091	453,850
2047	416,354	108,331	91,883	34,267	41,727	69,699	(10,235)	291,612	460,413
2048	425,538	102,707	88,324	33,797	42,196	69,699	(10,469)	283,706	468,085
2049	423,471	93,119	81,238	33,797	41,376	69,699	(10,393)	262,617	469,690
Cumulative Present Worth \$000 (2020\$)									
Utility CPW 2020-2034	2,072,860	1,035,044	226,083	499,702	212,247	231,680	(50,251)	1,553,331	2,674,033
Utility CPW 2020-2049	3,238,207	1,339,307	458,927	619,838	327,796	455,768	(79,302)	2,353,530	4,007,010
CPW of End Effects beyond 2049									<u>834,427</u>
TOTAL Utility Cost, Net CPW (2020\$)									<u>4,841,437</u>

Kentucky POWER COMPANY
 2019 INTEGRATED RESOURCE PLAN
 Base Band Commodity Pricing and Allowance Market Pricing Optimal Plan for 2022-2030 CT Only Plan

	Resource (Capacity) Additions										Energy & Capacity Positions										Carbon Output			
	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)=(20)+(21)+(22)	(24)	(25)	(26)=(24)-(25)	(27)=(23)-(26)	(28)	(29)		(30)=(28)-(29)	(31)	(32)
	(Current and Planned) Supply-Side + Purchased Unforced Capacity (UCAP)		(Increment) Energy Efficiency+ VVO + DR + Battery		Distributed Solar		Generic Wind		Utility Solar		Thermal Generation	(Current) Purchased Energy	(New) Generic Wind + Utility Solar	= Market Sales	Load (Net of Embedded EE)	Less: (Increment) Energy Efficiency+ VVO+Dist Solar	= Net Load Require- ments	ENERGY Surplus	Capacity	Peak + Reserves		CAPACITY Surplus	Reserve Margin	Existing Units CO2 Emissions
	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	GWh	GWh	GWh	GWh	GWh	GWh	GWh	GWh	MW	MW		MW	%	tons
2020	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,801	112	0	5,913	6,060	0	6,060	(147)	1,302	1,066	236	33.1	5,769,805		
2021	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,273	111	0	5,384	6,037	0	6,037	(653)	1,302	1,065	237	32.5	5,267,945		
2022	(217)	1,085	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6,096	156	0	6,252	6,155	0	6,155	97	1,085	1,076	9	9.8	6,138,111		
2023	98	1,183	0.0	0.0	1.0	1.0	0.0	0.0	0.0	4,867	156	0	5,023	6,194	4	6,190	(1,167)	1,184	1,077	108	19.7	4,809,102		
2024	0	1,183	0.0	0.0	0.5	1.5	0.0	0.0	0.0	4,540	155	0	4,695	6,175	5	6,170	(1,475)	1,185	1,074	111	20.1	4,464,164		
2025	0	1,183	0.0	0.0	0.0	1.5	0.0	0.0	0.0	4,519	155	0	4,674	6,161	5	6,156	(1,482)	1,185	1,071	114	20.4	4,477,756		
2026	0	1,183	0.0	0.0	0.0	1.5	0.0	0.0	0.0	4,657	154	0	4,811	6,145	5	6,140	(1,328)	1,185	1,068	116	20.7	4,621,457		
2027	0	1,183	0.0	0.0	0.5	2.0	0.0	0.0	0.0	4,387	154	0	4,540	6,132	7	6,125	(1,585)	1,185	1,067	118	20.9	4,354,862		
2028	0	1,183	0.0	0.0	0.0	2.0	0.0	0.0	0.0	3,183	153	0	3,337	6,121	7	6,113	(2,777)	1,185	1,066	119	21.0	3,120,664		
2029	0	1,183	0.0	0.0	0.5	2.6	0.0	0.0	0.0	3,277	153	0	3,430	6,120	9	6,110	(2,680)	1,186	1,066	120	21.1	3,244,078		
2030	0	1,183	0.0	0.0	0.5	3.1	0.0	0.0	0.0	3,138	152	0	3,291	6,108	11	6,097	(2,806)	1,186	1,065	121	21.2	3,100,352		
2031	(262)	921	0.0	0.0	0.5	3.6	0.0	0.0	155.1	3,112	152	633	3,897	6,101	13	6,088	(2,191)	1,080	1,065	15	10.4	3,152,011		
2032	0	921	0.0	0.0	0.0	3.6	0.0	0.0	77.6	3,225	152	968	4,345	6,092	13	6,080	(1,734)	1,158	1,065	92	18.3	3,255,919		
2033	0	921	0.0	0.0	0.5	4.1	0.0	0.0	0.0	3,083	151	949	4,184	6,089	15	6,074	(1,890)	1,158	1,065	93	18.4	3,111,697		
2034	0	921	0.0	0.0	0.5	4.6	0.0	0.0	0.0	3,122	151	949	4,223	6,084	16	6,068	(1,845)	1,159	1,066	93	18.4	3,159,272		
2035	0	921	0.0	0.0	0.0	4.6	0.0	0.0	0.0	3,477	151	949	4,578	6,081	16	6,065	(1,487)	1,159	1,066	92	18.3	3,525,043		
2036	0	921	0.0	0.0	0.5	5.1	0.0	0.0	0.0	3,056	151	968	4,174	6,077	18	6,058	(1,884)	1,159	1,067	92	18.2	3,084,178		
2037	0	921	0.0	0.0	0.0	5.1	0.0	0.0	0.0	2,731	151	949	3,831	6,076	18	6,058	(2,227)	1,159	1,067	92	18.3	2,759,740		
2038	0	921	0.0	0.0	0.5	5.6	0.0	0.0	0.0	3,019	150	949	4,118	6,074	20	6,054	(1,936)	1,160	1,068	92	18.3	3,053,534		
2039	0	921	0.0	0.0	0.0	5.6	0.0	0.0	0.0	3,121	150	949	4,220	6,073	20	6,053	(1,832)	1,160	1,068	92	18.2	3,152,427		
2040	0	921	0.0	0.0	0.5	6.1	0.0	0.0	0.0	2,988	150	968	4,106	6,070	22	6,048	(1,942)	1,160	1,070	90	18.1	3,030,200		
2041	0	921	0.0	0.0	0.0	6.1	0.0	0.0	0.0	3,092	149	949	4,191	6,069	22	6,047	(1,857)	1,160	1,070	90	18.0	3,141,217		
2042	0	921	0.0	0.0	0.5	6.6	0.0	0.0	0.0	2,736	149	949	3,834	6,066	24	6,042	(2,208)	1,161	1,071	90	18.0	2,779,344		
2043	0	921	0.0	0.0	0.5	7.2	0.0	0.0	0.0	2,889	149	949	3,987	6,063	26	6,037	(2,050)	1,161	1,071	90	18.1	2,943,462		
2044	0	921	0.0	0.0	0.0	7.2	0.0	0.0	0.0	3,029	149	968	4,146	6,057	26	6,032	(1,886)	1,161	1,071	90	18.0	3,084,188		
2045	0	921	0.0	0.0	0.5	7.7	0.0	0.0	0.0	2,777	148	949	3,874	6,057	27	6,030	(2,155)	1,162	1,072	90	18.0	2,828,118		
2046	0	921	0.0	0.0	0.5	8.2	0.0	0.0	0.0	2,872	148	949	3,970	6,053	29	6,024	(2,054)	1,162	1,072	90	18.0	2,932,556		
2047	0	921	0.0	0.0	0.5	8.7	0.0	0.0	0.0	3,078	148	949	4,175	6,046	31	6,015	(1,840)	1,163	1,071	91	18.1	3,139,944		
2048	0	921	0.0	0.0	0.5	9.2	0.0	0.0	0.0	2,867	148	968	3,983	6,038	33	6,005	(2,023)	1,163	1,071	92	18.2	2,920,945		
2049	0	921	0.0	0.0	0.0	9.2	0.0	0.0	0.0	2,541	146	949	3,636	5,960	33	5,927	(2,292)	1,163	1,070	93	18.3	2,598,200		

Kentucky POWER COMPANY
2019 INTEGRATED RESOURCE PLAN
Base Band Commodity Pricing and Allowance Market Pricing Optimal Plan for 2022-2024 ST PPA Only Plan

Utility Costs (Nominal\$000)									
	(1) Load Cost	(2) Fuel Costs	(3) Emission Costs	(4) (Incremental) Existing System FOM and OGC	(5) (Incremental) Variable O&M + Fixed O&M + Lease Costs + PPA Costs	(6) (Incremental) Capital + Renewable + Energy Efficiency + VVO Program Costs	(7) Contract (Revenue)/Cost	(8) Less: Market Revenue	(9)=(1)thru(7)-(8) GRAND TOTAL, Net Utility Costs
	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000
2020	177,346	142,840	10,826	53,709	28,482	0	(3,269)	173,954	235,980
2021	178,063	133,472	11,813	72,592	27,896	0	(3,280)	161,162	259,394
2022	188,272	147,068	14,413	75,935	34,365	0	(4,819)	190,668	264,566
2023	197,404	110,707	7,801	69,537	14,817	0	(5,010)	151,862	243,396
2024	205,528	108,913	7,520	61,230	14,330	0	(5,209)	148,139	244,173
2025	211,489	111,920	7,951	56,321	15,612	32,575	(5,368)	172,796	257,704
2026	217,269	120,732	8,526	50,030	16,269	26,512	(5,504)	183,556	250,278
2027	225,225	118,742	8,350	48,815	16,270	26,295	(5,701)	180,318	257,678
2028	279,834	86,066	47,721	49,255	13,783	27,066	(7,054)	174,636	322,037
2029	280,873	88,803	51,548	47,861	14,815	29,105	(7,083)	180,574	325,348
2030	286,106	87,027	50,895	40,606	23,650	48,502	(7,214)	199,968	329,605
2031	289,936	84,706	54,363	39,600	33,883	88,491	(7,321)	220,568	363,090
2032	297,164	88,066	57,832	39,501	34,657	86,620	(7,509)	233,442	362,890
2033	302,433	83,926	57,108	39,428	35,108	85,856	(7,631)	229,626	366,601
2034	310,023	86,308	60,006	39,389	35,988	86,744	(7,807)	237,186	373,464
2035	320,875	96,095	69,060	39,705	37,533	88,019	(8,090)	264,924	378,273
2036	322,442	86,720	62,349	39,525	44,564	96,800	(8,123)	260,627	383,650
2037	331,406	83,009	57,730	39,510	44,424	96,800	(8,332)	250,671	393,876
2038	342,420	91,549	66,016	39,511	45,904	96,800	(8,603)	273,445	400,153
2039	350,465	94,576	70,438	38,809	47,002	96,800	(8,790)	284,984	404,316
2040	356,454	92,792	70,181	38,274	47,494	96,800	(8,923)	284,758	408,315
2041	361,130	98,072	75,455	37,326	48,587	96,800	(9,008)	292,615	415,746
2042	370,212	88,858	68,977	35,970	55,899	110,489	(9,223)	298,836	422,346
2043	375,483	94,383	75,442	35,618	57,751	110,489	(9,318)	311,481	428,366
2044	388,977	101,004	81,711	35,243	58,414	109,714	(9,630)	330,524	434,908
2045	395,758	94,151	77,449	34,951	58,642	108,919	(9,765)	318,880	441,224
2046	406,520	99,256	83,039	34,639	59,456	108,047	(10,009)	331,616	449,331
2047	416,354	108,564	91,925	34,267	61,700	108,047	(10,235)	355,617	455,004
2048	425,538	102,848	88,350	33,797	61,920	108,047	(10,469)	349,946	460,084
2049	423,471	93,725	81,351	33,797	61,030	108,047	(10,393)	330,106	460,923
Cumulative Present Worth \$000 (2020\$)									
Utility CPW 2020-2034	2,072,860	1,014,958	224,673	499,702	211,118	242,703	(50,251)	1,651,957	2,563,807
Utility CPW 2020-2049	3,238,207	1,316,925	457,083	619,838	373,496	567,105	(79,302)	2,596,336	3,897,015
CPW of End Effects beyond 2049									<u>818,852</u>
TOTAL Utility Cost, Net CPW (2020\$)									<u>4,715,867</u>

Kentucky POWER COMPANY
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 Base Band Commodity Pricing and Allowance Market Pricing Optimal Plan for 2022-2024 ST PPA Only Plan

	Resource (Capacity) Additions										Energy & Capacity Positions										Carbon Output Existing Units CO2 Emissions			
	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)=(20)+(21)+(22)	(24)	(25)	(26)=(24)-(25)	(27)=(23)-(26)	(28)	(29)		(30)=(28)-(29)	(31)	(32)
	(Current and Planned) Supply-Side + Purchased Unforced Capacity (UCAP)		(Increment) Energy Efficiency+ VVO + DR + Battery		Distributed Solar		Generic Wind		Utility Solar		Thermal Generation	(Current) Purchased Energy	(New) Generic Wind + Utility Solar	= Market Sales	Load (Net of Embedded EE)	Less: (Increment) Energy Efficiency+ VVO+Dist Solar	= Net Load Require- ments	ENERGY Surplus	Capacity	Peak + Reserves		CAPACITY Surplus	Reserve Margin	tons
	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	GWh	GWh	GWh	GWh	GWh	GWh	GWh	GWh	MW	MW		MW	%	tons
2020	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,801	112	0	5,913	6,060	0	6,060	(147)	1,302	1,066	236	33.1	5,769,805		
2021	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,273	111	0	5,384	6,037	0	6,037	(653)	1,302	1,065	237	32.5	5,267,945		
2022	(217)	1,085	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6,096	156	0	6,252	6,155	0	6,155	97	1,085	1,076	9	9.8	6,138,111		
2023	0	1,085	0.0	0.0	1.0	1.0	0.0	0.0	0.0	4,756	156	0	4,912	6,194	4	6,190	(1,279)	1,086	1,077	10	9.8	4,742,434		
2024	0	1,085	0.0	0.0	0.5	1.5	0.0	0.0	0.0	4,433	155	0	4,588	6,175	5	6,170	(1,582)	1,087	1,074	13	10.2	4,400,121		
2025	(150)	935	4.9	4.9	0.0	1.5	0.0	0.0	129.3	4,423	155	527	5,105	6,161	26	6,135	(1,030)	1,071	1,071	0	8.9	4,419,866		
2026	0	935	0.5	5.5	0.0	1.5	0.0	0.0	0.0	4,568	154	527	5,249	6,145	30	6,115	(866)	1,071	1,068	3	9.2	4,568,059		
2027	0	935	(0.1)	5.4	0.5	2.0	0.0	0.0	0.0	4,292	154	527	4,973	6,132	33	6,100	(1,127)	1,072	1,067	5	9.4	4,297,964		
2028	0	935	0.6	6.0	0.0	2.0	0.0	0.0	0.0	3,081	153	538	3,772	6,121	36	6,085	(2,312)	1,073	1,066	7	9.5	3,059,633		
2029	0	935	4.3	10.3	0.5	2.6	0.0	0.0	0.0	3,194	153	527	3,875	6,120	54	6,066	(2,191)	1,077	1,066	11	10.0	3,194,418		
2030	0	935	6.5	16.9	0.5	3.1	12.3	12.3	25.9	3,058	152	957	4,168	6,108	81	6,028	(1,860)	1,123	1,065	57	14.7	3,052,403		
2031	(140)	795	4.4	21.2	0.5	3.6	0.0	12.3	77.6	3,104	152	1,273	4,530	6,101	99	6,002	(1,472)	1,065	1,065	0	8.9	3,146,840		
2032	0	795	0.2	21.5	0.0	3.6	0.0	12.3	0.0	3,201	152	1,293	4,646	6,092	99	5,993	(1,347)	1,065	1,065	0	8.9	3,240,392		
2033	0	795	(0.8)	20.6	0.5	4.1	0.0	12.3	0.0	3,061	151	1,273	4,486	6,089	99	5,990	(1,504)	1,065	1,065	0	8.9	3,097,617		
2034	0	795	0.3	20.9	0.5	4.6	0.0	12.3	0.0	3,105	151	1,273	4,530	6,084	100	5,984	(1,454)	1,066	1,066	0	8.9	3,148,496		
2035	0	795	0.4	21.3	0.0	4.6	0.0	12.3	0.0	3,447	151	1,273	4,872	6,081	101	5,981	(1,109)	1,066	1,066	0	8.9	3,506,318		
2036	0	795	(2.5)	18.8	0.5	5.1	12.3	24.6	0.0	3,023	151	1,619	4,793	6,077	92	5,984	(1,192)	1,077	1,067	9	9.8	3,064,179		
2037	0	795	(2.4)	16.4	0.0	5.1	0.0	24.6	0.0	2,708	151	1,598	4,456	6,076	83	5,993	(1,536)	1,074	1,067	7	9.6	2,745,361		
2038	0	795	(1.7)	14.7	0.5	5.6	0.0	24.6	0.0	2,994	150	1,598	4,742	6,074	78	5,997	(1,255)	1,073	1,068	5	9.4	3,037,874		
2039	0	795	(1.4)	13.3	0.0	5.6	0.0	24.6	0.0	3,096	150	1,598	4,844	6,073	72	6,001	(1,157)	1,072	1,068	3	9.2	3,136,866		
2040	0	795	(1.0)	12.3	0.5	6.1	0.0	24.6	0.0	2,978	150	1,619	4,747	6,070	70	6,000	(1,254)	1,071	1,070	1	9.0	3,023,461		
2041	0	795	(0.7)	11.6	0.0	6.1	0.0	24.6	0.0	3,099	149	1,598	4,846	6,069	67	6,003	(1,157)	1,070	1,070	0	8.9	3,145,013		
2042	0	795	(0.6)	11.0	0.5	6.6	12.3	36.9	0.0	2,742	149	1,922	4,813	6,066	66	6,000	(1,187)	1,083	1,071	12	10.1	2,782,514		
2043	0	795	(0.4)	10.6	0.5	7.2	0.0	36.9	0.0	2,888	149	1,922	4,958	6,063	67	5,996	(1,038)	1,083	1,071	12	10.1	2,942,342		
2044	0	795	(4.5)	6.1	0.0	7.2	0.0	36.9	0.0	3,030	149	1,944	5,122	6,057	49	6,008	(886)	1,078	1,071	7	9.6	3,084,196		
2045	0	795	(3.3)	2.8	0.5	7.7	0.0	36.9	0.0	2,777	148	1,922	4,848	6,057	38	6,019	(1,172)	1,075	1,072	3	9.2	2,828,329		
2046	0	795	(2.8)	0.0	0.5	8.2	0.0	36.9	0.0	2,873	148	1,922	4,943	6,053	29	6,024	(1,081)	1,073	1,072	1	9.0	2,932,987		
2047	0	795	0.0	0.0	0.5	8.7	0.0	36.9	0.0	3,081	148	1,922	5,150	6,046	31	6,015	(865)	1,074	1,071	2	9.1	3,141,548		
2048	0	795	0.0	0.0	0.5	9.2	0.0	36.9	0.0	2,869	148	1,944	4,960	6,038	33	6,005	(1,045)	1,074	1,071	3	9.2	2,921,892		
2049	0	795	0.0	0.0	0.0	9.2	0.0	36.9	0.0	2,548	146	1,922	4,615	5,960	33	5,927	(1,312)	1,074	1,070	4	9.2	2,602,227		

Kentucky POWER COMPANY
2019 INTEGRATED RESOURCE PLAN
Base Band Commodity Pricing and Allowance Market Pricing Optimal Plan for 2022-2024 ST PPA Only Plan

Utility Costs (Nominal\$000)									
	(1) Load Cost	(2) Fuel Costs	(3) Emission Costs	(4) (Incremental) Existing System FOM and OGC	(5) (Incremental) Variable O&M + Fixed O&M + Lease Costs + PPA Costs	(6) (Incremental) Capital + Renewable + Energy Efficiency + VVO Program Costs	(7) Contract (Revenue)/Cost	(8) Less: Market Revenue	(9)=(1)thru(7)-(8) GRAND TOTAL, Net Utility Costs
	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000
2020	177,346	142,840	10,826	53,709	28,482	0	(3,269)	173,954	235,980
2021	178,063	133,472	11,813	72,592	27,896	0	(3,280)	161,162	259,394
2022	188,272	147,068	14,413	75,935	34,365	0	(4,819)	190,668	264,566
2023	197,404	110,707	7,801	69,537	14,817	0	(5,010)	151,862	243,396
2024	205,528	108,913	7,520	61,230	14,330	0	(5,209)	148,139	244,173
2025	211,489	111,920	7,951	56,321	15,612	32,575	(5,368)	172,796	257,704
2026	217,269	120,732	8,526	50,030	16,269	26,512	(5,504)	183,556	250,278
2027	225,225	118,742	8,350	48,815	16,270	26,295	(5,701)	180,318	257,678
2028	279,834	86,066	47,721	49,255	13,783	27,066	(7,054)	174,636	322,037
2029	280,873	88,803	51,548	47,861	14,815	29,105	(7,083)	180,574	325,348
2030	286,106	87,027	50,895	40,606	23,650	48,502	(7,214)	199,968	329,605
2031	289,936	84,706	54,363	39,600	33,883	88,491	(7,321)	220,568	363,090
2032	297,164	88,066	57,832	39,501	34,657	86,620	(7,509)	233,442	362,890
2033	302,433	83,926	57,108	39,428	35,108	85,856	(7,631)	229,626	366,601
2034	310,023	86,308	60,006	39,389	35,988	86,744	(7,807)	237,186	373,464
2035	320,875	96,095	69,060	39,705	37,533	88,019	(8,090)	264,924	378,273
2036	322,442	86,720	62,349	39,525	44,564	96,800	(8,123)	260,627	383,650
2037	331,406	83,009	57,730	39,510	44,424	96,800	(8,332)	250,671	393,876
2038	342,420	91,549	66,016	39,511	45,904	96,800	(8,603)	273,445	400,153
2039	350,465	94,576	70,438	38,809	47,002	96,800	(8,790)	284,984	404,316
2040	356,454	92,792	70,181	38,274	47,494	96,800	(8,923)	284,758	408,315
2041	361,130	98,072	75,455	37,326	48,587	96,800	(9,008)	292,615	415,746
2042	370,212	88,858	68,977	35,970	55,899	110,489	(9,223)	298,836	422,346
2043	375,483	94,383	75,442	35,618	57,751	110,489	(9,318)	311,481	428,366
2044	388,977	101,004	81,711	35,243	58,414	109,714	(9,630)	330,524	434,908
2045	395,758	94,151	77,449	34,951	58,642	108,919	(9,765)	318,880	441,224
2046	406,520	99,256	83,039	34,639	59,456	108,047	(10,009)	331,616	449,331
2047	416,354	108,564	91,925	34,267	61,700	108,047	(10,235)	355,617	455,004
2048	425,538	102,848	88,350	33,797	61,920	108,047	(10,469)	349,946	460,084
2049	423,471	93,725	81,351	33,797	61,030	108,047	(10,393)	330,106	460,923
Cumulative Present Worth \$000 (2020\$)									
Utility CPW 2020-2034	2,072,860	1,014,958	224,673	499,702	211,118	242,703	(50,251)	1,651,957	2,563,807
Utility CPW 2020-2049	3,238,207	1,316,925	457,083	619,838	373,496	567,105	(79,302)	2,596,336	3,897,015
CPW of End Effects beyond 2049									<u>818,852</u>
TOTAL Utility Cost, Net CPW (2020\$)									<u>4,715,867</u>

Kentucky POWER COMPANY
 2019 INTEGRATED RESOURCE PLAN
 Base Band Commodity Pricing and Allowance Market Pricing Optimal Plan for 2022-2030 Wind and Solar Only Plan

	Resource (Capacity) Additions										Energy & Capacity Positions										Carbon Output			
	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)=(20)+(21)+(22)	(24)	(25)	(26)=(24)-(25)	(27)=(23)-(26)	(28)	(29)		(30)=(28)-(29)	(31)	(32)
	(Current and Planned) Supply-Side + Purchased Unforced Capacity (UCAP)		(Increment) Energy Efficiency+ VVO + DR + Battery		Distributed Solar		Generic Wind		Utility Solar		Thermal Generation	(Current) Purchased Energy	(New) Generic Wind + Utility Solar	= Market Sales	Load (Net of Embedded EE)	Less: (Increment) Energy Efficiency+ VVO+Dist Solar	= Net Load Require- ments	ENERGY Surplus	Capacity	Peak + Reserves		CAPACITY Surplus	Reserve Margin	Existing Units CO2 Emissions
	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	GWh	GWh	GWh	GWh	GWh	GWh	GWh	GWh	MW	MW		MW	%	tons
2020	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,801	112	0	5,913	6,060	0	6,060	(147)	1,302	1,066	236	33.1	5,769,805		
2021	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,273	111	0	5,384	6,037	0	6,037	(653)	1,302	1,065	237	32.5	5,267,945		
2022	(367)	935	0.0	0.0	0.0	0.0	0.0	0.0	155.1	6,096	156	633	6,885	6,155	0	6,155	730	1,090	1,076	14	10.3	6,138,111		
2023	0	935	0.0	0.0	1.0	1.0	24.6	24.6	0.0	4,756	156	1,264	6,175	6,194	4	6,190	(15)	1,116	1,077	39	12.8	4,742,434		
2024	0	935	0.0	0.0	0.5	1.5	12.3	36.9	0.0	4,433	155	1,604	6,192	6,175	5	6,170	23	1,129	1,074	55	14.5	4,400,121		
2025	0	935	0.0	0.0	0.0	1.5	0.0	36.9	0.0	4,423	155	1,588	6,165	6,161	5	6,156	9	1,129	1,071	58	14.8	4,419,866		
2026	0	935	0.0	0.0	0.0	1.5	0.0	36.9	0.0	4,568	154	1,588	6,310	6,145	5	6,140	170	1,129	1,068	60	15.0	4,568,059		
2027	0	935	0.0	0.0	0.5	2.0	0.0	36.9	0.0	4,292	154	1,588	6,033	6,132	7	6,125	(92)	1,129	1,067	62	15.2	4,297,964		
2028	0	935	0.0	0.0	0.0	2.0	0.0	36.9	0.0	3,081	153	1,604	4,839	6,121	7	6,113	(1,274)	1,129	1,066	63	15.3	3,059,633		
2029	0	935	0.0	0.0	0.5	2.6	0.0	36.9	0.0	3,194	153	1,588	4,935	6,120	9	6,110	(1,175)	1,130	1,066	64	15.4	3,194,418		
2030	0	935	0.0	0.0	0.5	3.1	0.0	36.9	0.0	3,058	152	1,588	4,799	6,108	11	6,097	(1,299)	1,130	1,065	65	15.5	3,052,403		
2031	(140)	795	0.0	0.0	0.5	3.6	0.0	36.9	77.6	3,104	152	1,904	5,161	6,101	13	6,088	(927)	1,069	1,065	3	9.2	3,146,840		
2032	0	795	0.0	0.0	0.0	3.6	0.0	36.9	0.0	3,201	152	1,927	5,280	6,092	13	6,080	(800)	1,069	1,065	3	9.2	3,240,392		
2033	0	795	0.0	0.0	0.5	4.1	0.0	36.9	0.0	3,061	151	1,904	5,117	6,089	15	6,074	(957)	1,069	1,065	4	9.3	3,097,617		
2034	0	795	0.0	0.0	0.5	4.6	0.0	36.9	0.0	3,105	151	1,904	5,161	6,084	16	6,068	(907)	1,070	1,066	4	9.3	3,148,496		
2035	0	795	0.0	0.0	0.0	4.6	0.0	36.9	0.0	3,447	151	1,904	5,503	6,081	16	6,065	(562)	1,070	1,066	3	9.2	3,506,318		
2036	0	795	0.0	0.0	0.5	5.1	0.0	36.9	0.0	3,023	151	1,927	5,101	6,077	18	6,058	(957)	1,070	1,067	3	9.1	3,066,179		
2037	0	795	0.0	0.0	0.0	5.1	0.0	36.9	0.0	2,708	151	1,904	4,763	6,076	18	6,058	(1,295)	1,070	1,067	3	9.2	2,745,361		
2038	0	795	0.0	0.0	0.5	5.6	0.0	36.9	0.0	2,994	150	1,904	5,048	6,074	20	6,054	(1,006)	1,071	1,068	3	9.2	3,037,874		
2039	0	795	0.0	0.0	0.0	5.6	0.0	36.9	0.0	3,096	150	1,904	5,150	6,073	20	6,053	(902)	1,071	1,068	2	9.1	3,136,866		
2040	0	795	0.0	0.0	0.5	6.1	0.0	36.9	0.0	2,978	150	1,927	5,055	6,070	22	6,048	(993)	1,071	1,070	1	9.0	3,023,461		
2041	0	795	0.0	0.0	0.0	6.1	0.0	36.9	0.0	3,099	149	1,904	5,153	6,069	22	6,047	(895)	1,071	1,070	1	9.0	3,145,013		
2042	0	795	0.0	0.0	0.5	6.6	0.0	36.9	0.0	2,742	149	1,904	4,795	6,066	24	6,042	(1,247)	1,072	1,071	1	9.0	2,782,514		
2043	0	795	0.0	0.0	0.5	7.2	0.0	36.9	0.0	2,888	149	1,904	4,941	6,063	26	6,037	(1,097)	1,072	1,071	1	9.0	2,942,342		
2044	0	795	0.0	0.0	0.0	7.2	0.0	36.9	0.0	3,030	149	1,927	5,106	6,057	26	6,032	(926)	1,072	1,071	1	9.0	3,084,196		
2045	0	795	0.0	0.0	0.5	7.7	0.0	36.9	0.0	2,777	148	1,904	4,830	6,057	27	6,030	(1,200)	1,073	1,072	1	8.9	2,828,329		
2046	0	795	0.0	0.0	0.5	8.2	0.0	36.9	0.0	2,873	148	1,904	4,925	6,053	29	6,024	(1,098)	1,073	1,072	1	9.0	2,932,987		
2047	0	795	0.0	0.0	0.5	8.7	0.0	36.9	0.0	3,081	148	1,904	5,133	6,046	31	6,015	(882)	1,074	1,071	2	9.1	3,141,548		
2048	0	795	0.0	0.0	0.5	9.2	0.0	36.9	0.0	2,869	148	1,927	4,944	6,038	33	6,005	(1,062)	1,074	1,071	3	9.2	2,921,892		
2049	0	795	0.0	0.0	0.0	9.2	0.0	36.9	0.0	2,548	146	1,904	4,597	5,960	33	5,927	(1,330)	1,074	1,070	4	9.2	2,602,227		

Kentucky POWER COMPANY
2019 INTEGRATED RESOURCE PLAN
High Band Commodity Pricing and Allowance Market Pricing Optimal Plan for 2022-2030 CC Only

Utility Costs (Nominal\$000)									
	(1) Load Cost	(2) Fuel Costs	(3) Emission Costs	(4) (Incremental) Existing System FOM and OGC	(5) (Incremental) Variable O&M + Fixed O&M + Lease Costs + PPA Costs	(6) (Incremental) Capital + Renewable + Energy Efficiency + VVO Program Costs	(7) Contract (Revenue)/Cost	(8) Less: Market Revenue	(9)=(1)thru(7)-(8) GRAND TOTAL, Net Utility Costs
	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000
2020	188,536	151,190	12,058	53,709	29,100	0	(3,479)	193,955	237,158
2021	194,004	157,405	15,496	72,592	29,516	0	(3,577)	202,846	262,590
2022	207,008	162,579	15,569	75,935	34,496	0	(5,308)	213,562	276,716
2023	218,516	121,099	7,823	69,537	14,868	0	(5,553)	165,038	261,252
2024	228,925	176,461	7,582	61,230	18,341	40,965	(5,810)	240,710	286,982
2025	235,482	182,636	7,995	56,321	18,725	40,965	(5,987)	248,710	287,427
2026	242,562	193,020	8,601	50,030	19,367	40,965	(6,155)	261,025	287,365
2027	251,332	193,224	8,421	48,815	19,417	40,965	(6,371)	259,867	295,936
2028	306,029	171,513	62,618	49,255	17,811	40,965	(7,727)	278,363	362,101
2029	308,246	170,114	64,967	47,861	18,278	40,965	(7,787)	277,029	365,616
2030	314,382	167,682	63,919	40,606	18,383	40,965	(7,936)	273,280	364,720
2031	318,491	168,157	71,282	39,600	26,783	69,404	(8,053)	317,210	368,455
2032	324,693	164,669	70,530	39,501	30,476	84,214	(8,205)	334,979	370,899
2033	330,973	161,187	72,007	39,428	30,975	84,214	(8,351)	334,172	376,261
2034	338,474	164,672	75,339	39,389	31,925	84,214	(8,519)	341,019	384,475
2035	349,321	174,158	82,912	39,705	33,104	84,214	(8,794)	366,804	387,816
2036	353,816	169,408	79,964	39,525	40,664	97,110	(8,906)	374,870	396,711
2037	365,043	165,402	75,030	39,510	47,850	110,133	(9,170)	382,452	411,346
2038	374,536	172,183	81,934	39,511	56,498	123,283	(9,394)	420,410	418,142
2039	381,829	170,862	83,620	38,809	64,962	136,568	(9,551)	442,814	424,285
2040	387,593	168,932	84,353	38,274	72,995	149,988	(9,672)	462,843	429,619
2041	396,855	176,028	92,200	37,326	82,331	163,541	(9,871)	499,581	438,829
2042	408,359	167,939	87,448	35,970	81,842	163,541	(10,145)	493,464	441,492
2043	414,763	170,937	94,329	35,618	84,044	163,541	(10,266)	504,796	448,170
2044	427,584	179,252	100,504	35,243	84,719	163,541	(10,557)	527,855	452,432
2045	440,905	177,873	101,682	34,951	86,206	163,541	(10,863)	534,839	459,457
2046	452,410	181,594	106,713	34,639	86,958	163,541	(11,119)	548,342	466,394
2047	458,714	189,450	116,775	34,267	89,630	163,541	(11,239)	568,884	472,254
2048	469,741	176,766	107,728	33,797	89,028	163,541	(11,517)	554,460	474,624
2049	467,015	175,975	109,452	33,797	89,049	163,541	(11,422)	549,031	478,377
Cumulative Present Worth \$000 (2020\$)									
Utility CPW 2020-2034	2,277,423	1,496,100	274,737	499,702	215,482	293,702	(55,329)	2,244,274	2,757,543
Utility CPW 2020-2049	3,558,057	2,053,446	565,158	619,838	432,211	736,216	(87,182)	3,731,487	4,146,258
CPW of End Effects beyond 2049									<u>849,861</u>
TOTAL Utility Cost, Net CPW (2020\$)									4,996,119

Kentucky POWER COMPANY
 2019 INTEGRATED RESOURCE PLAN
 High Band Commodity Pricing and Allowance Market Pricing Optimal Plan for 2022-2030 CC Only

	Resource (Capacity) Additions										Energy & Capacity Positions										Carbon Output		
	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)=(20)+(21)+(22)	(24)	(25)	(26)=(24)-(25)	(27)=(23)-(26)	(28)	(29)	(30)=(28)-(29)	(31)	(32)
	(Current and Planned) Supply-Side + Purchased Unforced Capacity (UCAP)		(Increment) Energy Efficiency+ VVO + DR + Battery		Distributed Solar		Generic Wind		Utility Solar		Thermal Generation	(Current) Purchased Energy	(New) Generic Wind + Utility Solar	= Market Sales	Load (Net of Embedded EE)	Less: (Increment) Energy Efficiency+ VVO+Dist Solar	= Net Load Require- ments	ENERGY Surplus	Capacity	Peak + Reserves	CAPACITY Surplus	Reserve Margin	Existing Units CO2 Emissions
	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	GWh	GWh	GWh	GWh	GWh	GWh	GWh	GWh	MW	MW	MW	%	tons
2020	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6,159	112	0	6,270	6,060	0	6,060	211	1,302	1,066	236	33.1	6,221,687
2021	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6,287	111	0	6,398	6,037	0	6,037	361	1,302	1,065	237	32.5	6,362,698
2022	(217)	1,085	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6,262	156	0	6,418	6,155	0	6,155	263	1,085	1,076	9	9.8	6,353,444
2023	0	1,085	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	4,676	156	0	4,832	6,194	4	6,190	(1,358)	1,086	1,077	10	9.8	4,700,583
2024	251	1,336	0.0	0.0	0.5	1.5	0.0	0.0	0.0	0.0	6,458	155	0	6,613	6,175	5	6,170	444	1,338	1,074	264	35.6	5,153,319
2025	0	1,336	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	6,450	155	0	6,605	6,161	5	6,156	449	1,338	1,071	267	36.0	5,175,486
2026	0	1,336	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	6,546	154	0	6,700	6,145	5	6,140	561	1,338	1,068	269	36.3	5,311,157
2027	0	1,336	0.0	0.0	0.5	2.0	0.0	0.0	0.0	0.0	6,276	154	0	6,429	6,132	7	6,125	304	1,338	1,067	271	36.6	5,043,344
2028	0	1,336	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	5,421	153	0	5,574	6,121	7	6,113	(539)	1,338	1,066	272	36.7	4,108,045
2029	0	1,336	0.0	0.0	0.5	2.6	0.0	0.0	0.0	0.0	5,324	153	0	5,477	6,120	9	6,110	(633)	1,339	1,066	273	36.7	4,113,979
2030	0	1,336	0.0	0.0	0.5	3.1	0.0	0.0	0.0	0.0	5,079	152	0	5,232	6,108	11	6,097	(866)	1,339	1,065	274	36.9	3,918,023
2031	(262)	1,074	0.0	0.0	0.5	3.6	0.0	0.0	155.1	155.1	5,257	152	633	6,042	6,101	13	6,088	(46)	1,233	1,065	168	26.0	4,204,347
2032	0	1,074	0.0	0.0	0.0	3.6	0.0	0.0	77.6	232.7	5,045	152	968	6,165	6,092	13	6,080	86	1,311	1,065	245	34.0	4,027,110
2033	0	1,074	0.0	0.0	0.5	4.1	0.0	0.0	0.0	232.7	4,920	151	949	6,021	6,089	15	6,074	(53)	1,311	1,065	246	34.0	3,974,396
2034	0	1,074	0.0	0.0	0.5	4.6	0.0	0.0	0.0	232.7	4,929	151	949	6,030	6,084	16	6,068	(38)	1,312	1,066	246	34.0	4,019,084
2035	0	1,074	0.0	0.0	0.0	4.6	0.0	0.0	0.0	232.7	5,168	151	949	6,268	6,081	16	6,065	203	1,312	1,066	245	33.9	4,274,326
2036	0	1,074	0.0	0.0	0.5	5.1	12.3	12.3	0.0	232.7	4,871	151	1,293	6,315	6,077	18	6,058	257	1,324	1,067	257	35.1	3,992,116
2037	0	1,074	0.0	0.0	0.0	5.1	12.3	24.6	0.0	232.7	4,485	151	1,598	6,233	6,076	18	6,058	175	1,337	1,067	270	36.4	3,627,355
2038	0	1,074	0.0	0.0	0.5	5.6	12.3	36.9	0.0	232.7	4,625	150	1,922	6,696	6,074	20	6,054	642	1,350	1,068	282	37.6	3,826,496
2039	0	1,074	0.0	0.0	0.0	5.6	12.3	49.2	0.0	232.7	4,549	150	2,246	6,945	6,073	20	6,053	892	1,362	1,068	294	38.8	3,777,124
2040	0	1,074	0.0	0.0	0.5	6.1	12.3	61.5	0.0	232.7	4,418	150	2,594	7,162	6,070	22	6,048	1,114	1,375	1,070	305	39.9	3,683,940
2041	0	1,074	0.0	0.0	0.0	6.1	12.3	73.8	0.0	232.7	4,532	149	2,894	7,576	6,069	22	6,047	1,528	1,387	1,070	317	41.1	3,887,360
2042	0	1,074	0.0	0.0	0.5	6.6	0.0	73.8	0.0	232.7	4,195	149	2,894	7,238	6,066	24	6,042	1,195	1,387	1,071	317	41.1	3,569,992
2043	0	1,074	0.0	0.0	0.5	7.2	0.0	73.8	0.0	232.7	4,257	149	2,894	7,300	6,063	26	6,037	1,262	1,388	1,071	317	41.1	3,717,193
2044	0	1,074	0.0	0.0	0.0	7.2	0.0	73.8	0.0	232.7	4,343	149	2,920	7,412	6,057	26	6,032	1,380	1,388	1,071	317	41.1	3,829,872
2045	0	1,074	0.0	0.0	0.5	7.7	0.0	73.8	0.0	232.7	4,226	148	2,894	7,268	6,057	27	6,030	1,238	1,388	1,072	317	41.0	3,747,121
2046	0	1,074	0.0	0.0	0.5	8.2	0.0	73.8	0.0	232.7	4,244	148	2,894	7,287	6,053	29	6,024	1,263	1,389	1,072	317	41.1	3,801,044
2047	0	1,074	0.0	0.0	0.5	8.7	0.0	73.8	0.0	232.7	4,399	148	2,894	7,440	6,046	31	6,015	1,425	1,390	1,071	318	41.2	4,018,897
2048	0	1,074	0.0	0.0	0.5	9.2	0.0	73.8	0.0	232.7	3,979	148	2,920	7,047	6,038	33	6,005	1,042	1,390	1,071	319	41.3	3,590,282
2049	0	1,074	0.0	0.0	0.0	9.2	0.0	73.8	0.0	232.7	3,895	146	2,894	6,935	5,960	33	5,927	1,008	1,390	1,070	320	41.4	3,527,086

Kentucky POWER COMPANY
2019 INTEGRATED RESOURCE PLAN
High Band Commodity Pricing and Allowance Market Pricing Optimal Plan for 2022-2030 CT Only

Utility Costs (Nominal\$000)									
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)=(1)thru(7)-(8)
	Load Cost	Fuel Costs	Emission Costs	(Incremental) Existing System FOM and OGC	(Incremental) Variable O&M + Fixed O&M + Lease Costs + PPA Costs	(Incremental) Capital + Renewable + Energy Efficiency + VVO Program Costs	Contract (Revenue)/Cost	Less: Market Revenue	GRAND TOTAL, Net Utility Costs
	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000
2020	188,536	151,190	12,058	53,709	29,100	0	(3,479)	193,955	237,158
2021	194,004	157,405	15,496	72,592	29,516	0	(3,577)	202,846	262,590
2022	207,008	162,579	15,569	75,935	34,496	0	(5,308)	213,562	276,716
2023	218,516	124,628	7,823	69,537	17,767	26,449	(5,553)	169,566	289,601
2024	228,925	123,282	7,582	61,230	17,713	26,449	(5,810)	167,411	291,959
2025	235,482	128,188	7,995	56,321	18,135	26,449	(5,987)	174,199	292,385
2026	242,562	137,823	8,601	50,030	18,851	26,449	(6,155)	185,725	292,436
2027	251,332	136,401	8,421	48,815	18,963	26,449	(6,371)	182,092	301,919
2028	306,029	108,108	52,881	49,255	17,213	26,449	(7,727)	180,218	371,991
2029	308,246	108,523	55,527	47,861	17,884	26,449	(7,787)	183,251	373,453
2030	314,382	106,068	54,450	40,606	18,015	26,449	(7,936)	180,139	371,895
2031	318,491	107,413	61,895	39,600	26,544	54,889	(8,053)	225,420	375,359
2032	324,693	104,274	61,154	39,501	30,404	69,699	(8,205)	244,040	377,481
2033	330,973	103,902	63,076	39,428	31,197	69,699	(8,351)	247,427	382,496
2034	338,474	106,419	66,299	39,389	32,125	69,699	(8,519)	254,338	389,548
2035	349,321	114,912	73,721	39,705	33,417	69,699	(8,794)	278,302	393,678
2036	353,816	109,371	70,514	39,525	40,930	82,595	(8,906)	285,351	402,494
2037	365,043	105,295	65,665	39,510	48,242	95,618	(9,170)	293,558	416,644
2038	374,536	112,354	72,651	39,511	57,017	108,768	(9,394)	332,369	423,075
2039	381,829	110,877	74,293	38,809	65,534	122,053	(9,551)	355,309	428,535
2040	387,593	110,068	75,140	38,274	73,651	135,472	(9,672)	377,021	433,506
2041	396,855	119,637	83,437	37,326	83,172	149,026	(9,871)	417,836	441,746
2042	408,359	111,748	78,772	35,970	82,802	149,026	(10,145)	412,572	443,960
2043	414,763	119,786	86,397	35,618	85,274	149,026	(10,266)	431,604	448,995
2044	427,584	126,806	92,465	35,243	86,035	149,026	(10,557)	453,357	453,245
2045	440,905	126,710	93,876	34,951	87,674	149,026	(10,863)	462,348	459,931
2046	452,410	131,456	99,084	34,639	88,554	149,026	(11,119)	477,526	466,524
2047	458,714	143,214	109,681	34,267	91,453	149,026	(11,239)	503,596	471,520
2048	469,741	129,389	100,421	33,797	90,899	149,026	(11,517)	487,625	474,131
2049	467,015	129,860	102,269	33,797	91,028	149,026	(11,422)	484,863	476,712
Cumulative Present Worth \$000 (2020\$)									
Utility CPW 2020-2034	2,277,423	1,170,487	245,759	499,702	215,597	231,680	(55,329)	1,770,353	2,814,965
Utility CPW 2020-2049	3,558,057	1,548,555	508,370	619,838	435,180	627,527	(87,182)	2,996,906	4,213,439
CPW of End Effects beyond 2049									<u>846,902</u>
TOTAL Utility Cost, Net CPW (2020\$)									<u>5,060,342</u>

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	Resource (Capacity) Additions										Energy & Capacity Positions										Carbon Output		
	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)=(20)+(21)+(22)	(24)	(25)	(26)=(24)-(25)	(27)=(23)-(26)	(28)	(29)	(30)=(28)-(29)	(31)	(32)
	(Current and Planned) Supply-Side + Purchased Unforced Capacity (UCAP)		(Increment) Energy Efficiency+ VVO + DR + Battery		Distributed Solar		Generic Wind		Utility Solar		Thermal Generation	(Current) Purchased Energy	(New) Generic Wind + Utility Solar	= Market Sales	Load (Net of Embedded EE)	Less: (Increment) Energy Efficiency+ VVO+Dist Solar	= Net Load Require- ments	ENERGY Surplus	Capacity	Peak + Reserves	CAPACITY Surplus	Reserve Margin	Existing Units CO2 Emissions
	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	GWh	GWh	GWh	GWh	GWh	GWh	GWh	GWh	MW	MW	MW	%	tons
2020	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	6,270	6,060	0	6,060	211	1,302	1,066	236	33.1	6,221,687	
2021	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	6,398	6,037	0	6,037	361	1,302	1,065	237	32.5	6,362,698	
2022	(217)	1,085	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	6,262	6,155	0	6,155	263	1,085	1,076	9	9.8	6,353,444	
2023	98	1,183	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0	4,764	4,920	4	6,190	(1,270)	1,184	1,077	108	19.7	4,753,233	
2024	0	1,183	0.0	0.0	0.5	1.5	0.0	0.0	0.0	0.0	0.0	0	4,463	4,618	5	6,170	(1,552)	1,185	1,074	111	20.1	4,433,408	
2025	0	1,183	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0	4,483	4,638	5	6,156	(1,518)	1,185	1,071	114	20.4	4,466,195	
2026	0	1,183	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0	4,628	4,782	5	6,140	(1,358)	1,185	1,068	116	20.7	4,620,071	
2027	0	1,183	0.0	0.0	0.5	2.0	0.0	0.0	0.0	0.0	0.0	0	4,366	4,519	7	6,125	(1,606)	1,185	1,067	118	20.9	4,357,217	
2028	0	1,183	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0	3,429	3,582	7	6,113	(2,531)	1,185	1,066	119	21.0	3,392,503	
2029	0	1,183	0.0	0.0	0.5	2.6	0.0	0.0	0.0	0.0	0.0	0	3,458	3,611	9	6,110	(2,499)	1,186	1,066	120	21.1	3,443,713	
2030	0	1,183	0.0	0.0	0.5	3.1	0.0	0.0	0.0	0.0	0.0	0	3,278	3,431	11	6,097	(2,667)	1,186	1,065	121	21.2	3,268,441	
2031	(262)	921	0.0	0.0	0.5	3.6	0.0	0.0	155.1	155.1	633	4,316	6,101	13	6,088	(1,772)	1,080	1,065	15	10.4	3,582,176		
2032	0	921	0.0	0.0	0.0	3.6	0.0	0.0	77.6	232.7	3,372	152	968	4,492	13	6,080	(1,587)	1,158	1,065	92	18.3	3,426,704	
2033	0	921	0.0	0.0	0.5	4.1	0.0	0.0	0.0	232.7	3,372	151	949	4,472	15	6,074	(1,602)	1,158	1,065	93	18.4	3,421,806	
2034	0	921	0.0	0.0	0.5	4.6	0.0	0.0	0.0	232.7	3,425	151	949	4,525	16	6,068	(1,543)	1,159	1,066	93	18.4	3,478,655	
2035	0	921	0.0	0.0	0.0	4.6	0.0	0.0	0.0	232.7	3,683	151	949	4,783	16	6,065	(1,282)	1,159	1,066	92	18.3	3,743,437	
2036	0	921	0.0	0.0	0.5	5.1	12.3	12.3	0.0	232.7	3,404	151	1,293	4,849	18	6,077	(1,210)	1,171	1,067	104	19.5	3,464,737	
2037	0	921	0.0	0.0	0.0	5.1	12.3	24.6	0.0	232.7	3,080	151	1,598	4,828	18	6,058	(1,230)	1,184	1,067	117	20.8	3,122,379	
2038	0	921	0.0	0.0	0.5	5.6	12.3	36.9	0.0	232.7	3,279	150	1,922	5,351	20	6,074	(703)	1,197	1,068	129	22.0	3,342,906	
2039	0	921	0.0	0.0	0.0	5.6	12.3	49.2	0.0	232.7	3,246	150	2,246	5,642	20	6,053	(411)	1,209	1,068	141	23.2	3,307,642	
2040	0	921	0.0	0.0	0.5	6.1	12.3	61.5	0.0	232.7	3,180	150	2,594	5,924	22	6,048	(124)	1,222	1,070	152	24.3	3,235,905	
2041	0	921	0.0	0.0	0.0	6.1	12.3	73.8	0.0	232.7	3,399	149	2,894	6,443	22	6,047	395	1,234	1,070	164	25.5	3,475,618	
2042	0	921	0.0	0.0	0.5	6.6	0.0	73.8	0.0	232.7	3,111	149	2,894	6,155	24	6,042	112	1,234	1,071	164	25.5	3,176,094	
2043	0	921	0.0	0.0	0.5	7.2	0.0	73.8	0.0	232.7	3,304	149	2,894	6,347	26	6,037	309	1,235	1,071	164	25.6	3,369,267	
2044	0	921	0.0	0.0	0.0	7.2	0.0	73.8	0.0	232.7	3,410	149	2,920	6,478	26	6,032	446	1,235	1,071	164	25.5	3,489,181	
2045	0	921	0.0	0.0	0.5	7.7	0.0	73.8	0.0	232.7	3,350	148	2,894	6,393	27	6,030	363	1,235	1,072	164	25.5	3,427,491	
2046	0	921	0.0	0.0	0.5	8.2	0.0	73.8	0.0	232.7	3,420	148	2,894	6,462	29	6,024	439	1,236	1,072	164	25.5	3,499,209	
2047	0	921	0.0	0.0	0.5	8.7	0.0	73.8	0.0	232.7	3,660	148	2,894	6,701	31	6,015	686	1,237	1,071	165	25.6	3,747,726	
2048	0	921	0.0	0.0	0.5	9.2	0.0	73.8	0.0	232.7	3,245	148	2,920	6,313	33	6,038	307	1,237	1,071	166	25.7	3,320,438	
2049	0	921	0.0	0.0	0.0	9.2	0.0	73.8	0.0	232.7	3,200	146	2,894	6,239	33	5,927	312	1,237	1,070	167	25.8	3,270,796	

Kentucky POWER COMPANY
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Utility Costs (Nominal\$000)									
	(1) Load Cost	(2) Fuel Costs	(3) Emission Costs	(4) (Incremental) Existing System FOM and OGC	(5) (Incremental) Variable O&M + Fixed O&M + Lease Costs + PPA Costs	(6) (Incremental) Capital + Renewable + Energy Efficiency + VVO Program Costs	(7) Contract (Revenue)/Cost	(8) Less: Market Revenue	(9)=(1)thru(7)-(8) GRAND TOTAL, Net Utility Costs
	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000
2020	188,536	151,190	12,058	53,709	29,100	0	(3,479)	193,955	237,158
2021	194,004	157,405	15,496	72,592	29,516	0	(3,577)	202,846	262,590
2022	207,008	162,579	15,569	75,935	34,496	0	(5,308)	213,562	276,716
2023	218,516	121,099	7,823	69,537	14,868	0	(5,553)	165,038	261,252
2024	228,925	119,834	7,582	61,230	14,613	0	(5,810)	162,966	263,406
2025	235,482	124,600	7,995	56,321	15,765	26,995	(5,987)	191,656	269,516
2026	242,562	134,026	8,601	50,030	16,430	26,522	(6,155)	203,682	268,334
2027	251,332	132,054	8,421	48,815	16,440	26,510	(6,371)	200,292	276,909
2028	306,029	103,301	52,118	49,255	21,535	38,433	(7,727)	218,233	344,710
2029	308,246	103,841	54,783	47,861	22,322	38,330	(7,787)	221,296	346,302
2030	314,382	102,026	53,807	40,606	31,037	59,484	(7,936)	242,094	351,313
2031	318,491	106,915	61,816	39,600	41,859	95,343	(8,053)	276,150	379,821
2032	324,693	103,206	60,980	39,501	41,910	94,716	(8,205)	277,563	379,239
2033	330,973	102,322	62,817	39,428	42,835	94,645	(8,351)	280,320	384,349
2034	338,474	105,674	66,178	39,389	43,700	94,789	(8,519)	289,400	390,285
2035	349,321	113,506	73,493	39,705	45,139	95,369	(8,794)	313,515	394,223
2036	353,816	108,460	70,366	39,525	52,576	106,910	(8,906)	321,621	401,125
2037	365,043	104,529	65,540	39,510	52,540	106,910	(9,170)	312,553	412,349
2038	374,536	111,557	72,524	39,511	61,195	120,060	(9,394)	351,569	418,420
2039	381,829	110,425	74,219	38,809	62,211	120,060	(9,551)	355,846	422,157
2040	387,593	109,727	75,084	38,274	70,077	132,777	(9,672)	376,606	427,254
2041	396,855	119,936	83,484	37,326	71,913	132,777	(9,871)	398,140	434,280
2042	408,359	111,773	78,775	35,970	79,190	146,466	(10,145)	412,522	437,866
2043	414,763	119,800	86,399	35,618	81,648	146,466	(10,266)	431,564	442,863
2044	427,584	126,632	92,438	35,243	82,316	146,466	(10,557)	453,079	447,042
2045	440,905	126,496	93,842	34,951	83,903	146,466	(10,863)	462,027	453,672
2046	452,410	131,162	99,037	34,639	84,733	146,466	(11,119)	477,119	460,209
2047	458,714	143,322	109,698	34,267	87,598	146,466	(11,239)	503,706	465,121
2048	469,741	129,430	100,428	33,797	86,966	146,466	(11,517)	487,660	467,650
2049	467,015	129,913	102,277	33,797	87,046	146,466	(11,422)	484,913	470,180
Cumulative Present Worth \$000 (2020\$)									
Utility CPW 2020-2034	2,277,423	1,149,785	244,426	499,702	237,299	267,559	(55,329)	1,926,405	2,694,460
Utility CPW 2020-2049	3,558,057	1,526,461	506,812	619,838	457,685	677,742	(87,182)	3,182,142	4,077,271
CPW of End Effects beyond 2049									835,297
TOTAL Utility Cost, Net CPW (2020\$)									4,912,569

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	Resource (Capacity) Additions										Energy & Capacity Positions										Carbon Output		
	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)=(20)+(21)+(22)	(24)	(25)	(26)=(24)-(25)	(27)=(23)-(26)	(28)	(29)	(30)=(28)-(29)	(31)	(32)
	(Current and Planned) Supply-Side + Purchased Unforced Capacity (UCAP)		(Increment) Energy Efficiency+ VVO + DR + Battery		Distributed Solar		Generic Wind		Utility Solar		Thermal Generation	(Current) Purchased Energy	(New) Generic Wind + Utility Solar	= Market Sales	Load (Net of Embedded EE)	Less: (Increment) Energy Efficiency+ VVO+Dist Solar	= Net Load Require- ments	ENERGY Surplus	Capacity	Peak + Reserves	CAPACITY Surplus	Reserve Margin	Existing Units CO2 Emissions
	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	GWh	GWh	GWh	GWh	GWh	GWh	GWh	GWh	MW	MW	MW	%	tons
2020	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6,159	112	0	6,270	6,060	0	6,060	211	1,302	1,066	236	33.1	6,221,687	
2021	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6,287	111	0	6,398	6,037	0	6,037	361	1,302	1,065	237	32.5	6,362,698	
2022	(217)	1,085	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6,262	156	0	6,418	6,155	0	6,155	263	1,085	1,076	9	9.8	6,353,444	
2023	0	1,085	0.0	0.0	1.0	1.0	0.0	0.0	0.0	4,676	156	0	4,832	6,194	4	6,190	(1,358)	1,086	1,077	10	9.8	4,700,583	
2024	0	1,085	0.0	0.0	0.5	1.5	0.0	0.0	0.0	4,381	155	0	4,536	6,175	5	6,170	(1,633)	1,087	1,074	13	10.2	4,384,869	
2025	(150)	935	5.0	5.0	0.0	1.5	0.0	0.0	129.3	4,403	155	527	5,085	6,161	26	6,135	(1,051)	1,071	1,071	0	8.9	4,417,827	
2026	0	935	0.2	5.2	0.0	1.5	0.0	0.0	0.0	4,546	154	527	5,227	6,145	27	6,118	(890)	1,071	1,068	3	9.2	4,570,838	
2027	0	935	0.1	5.2	0.5	2.0	0.0	0.0	0.0	4,275	154	527	4,956	6,132	31	6,102	(1,146)	1,072	1,067	5	9.4	4,302,903	
2028	0	935	0.2	5.5	0.0	2.0	12.3	12.3	0.0	3,336	153	863	4,352	6,121	32	6,089	(1,737)	1,084	1,066	18	10.7	3,336,478	
2029	0	935	(0.2)	5.3	0.5	2.6	0.0	12.3	0.0	3,370	153	852	4,375	6,120	33	6,087	(1,712)	1,085	1,066	18	10.8	3,390,911	
2030	0	935	3.0	8.3	0.5	3.1	12.3	24.6	25.9	3,204	152	1,281	4,638	6,108	47	6,062	(1,424)	1,126	1,065	61	15.1	3,224,373	
2031	(140)	795	0.7	9.0	0.5	3.6	0.0	24.6	77.6	3,524	152	1,598	5,273	6,101	51	6,050	(777)	1,065	1,065	0	8.9	3,576,953	
2032	0	795	0.0	9.0	0.0	3.6	0.0	24.6	0.0	3,355	152	1,619	5,125	6,092	50	6,042	(917)	1,065	1,065	0	8.9	3,415,537	
2033	0	795	(0.3)	8.7	0.5	4.1	0.0	24.6	0.0	3,346	151	1,598	5,095	6,089	51	6,038	(943)	1,065	1,065	0	8.9	3,405,794	
2034	0	795	0.0	8.8	0.5	4.6	0.0	24.6	0.0	3,414	151	1,598	5,162	6,084	52	6,032	(870)	1,066	1,066	0	8.9	3,471,423	
2035	0	795	0.3	9.0	0.0	4.6	0.0	24.6	0.0	3,662	151	1,598	5,411	6,081	52	6,029	(619)	1,066	1,066	0	8.9	3,730,261	
2036	0	795	(1.1)	7.9	0.5	5.1	12.3	36.9	0.0	3,392	151	1,944	5,486	6,077	50	6,027	(541)	1,078	1,067	11	10.0	3,456,437	
2037	0	795	(1.1)	6.9	0.0	5.1	0.0	36.9	0.0	3,070	151	1,922	5,142	6,076	46	6,031	(889)	1,077	1,067	10	9.9	3,115,684	
2038	0	795	(0.7)	6.1	0.5	5.6	12.3	49.2	0.0	3,269	150	2,246	5,665	6,074	44	6,030	(365)	1,089	1,068	21	11.1	3,336,264	
2039	0	795	(0.6)	5.5	0.0	5.6	0.0	49.2	0.0	3,241	150	2,246	5,637	6,073	42	6,031	(395)	1,088	1,068	20	10.9	3,303,956	
2040	0	795	(4.7)	0.8	0.5	6.1	12.3	61.5	0.0	3,176	150	2,594	5,920	6,070	25	6,045	(124)	1,096	1,070	27	11.6	3,233,183	
2041	0	795	(0.3)	0.5	0.0	6.1	0.0	61.5	0.0	3,404	149	2,570	6,123	6,069	24	6,045	78	1,096	1,070	26	11.5	3,477,850	
2042	0	795	(0.2)	0.3	0.5	6.6	12.3	73.8	0.0	3,112	149	2,894	6,155	6,066	25	6,041	114	1,109	1,071	38	12.8	3,176,223	
2043	0	795	(0.2)	0.1	0.5	7.2	0.0	73.8	0.0	3,304	149	2,894	6,347	6,063	26	6,037	310	1,109	1,071	38	12.8	3,369,338	
2044	0	795	(0.1)	0.0	0.0	7.2	0.0	73.8	0.0	3,408	149	2,920	6,476	6,057	26	6,032	445	1,109	1,071	38	12.7	3,488,025	
2045	0	795	(0.0)	0.0	0.5	7.7	0.0	73.8	0.0	3,348	148	2,894	6,391	6,057	27	6,030	361	1,109	1,072	38	12.7	3,426,116	
2046	0	795	0.0	0.0	0.5	8.2	0.0	73.8	0.0	3,417	148	2,894	6,459	6,053	29	6,024	436	1,110	1,072	38	12.7	3,497,381	
2047	0	795	0.0	0.0	0.5	8.7	0.0	73.8	0.0	3,661	148	2,894	6,703	6,046	31	6,015	688	1,111	1,071	39	12.8	3,748,375	
2048	0	795	0.0	0.0	0.5	9.2	0.0	73.8	0.0	3,246	148	2,920	6,313	6,038	33	6,005	308	1,111	1,071	40	12.9	3,320,697	
2049	0	795	0.0	0.0	0.0	9.2	0.0	73.8	0.0	3,200	146	2,894	6,240	5,960	33	5,927	313	1,111	1,070	41	13.0	3,271,073	

Kentucky POWER COMPANY
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Utility Costs (Nominal\$000)									
	(1) Load Cost	(2) Fuel Costs	(3) Emission Costs	(4) (Incremental) Existing System FOM and OGC	(5) (Incremental) Variable O&M + Fixed O&M + Lease Costs + PPA Costs	(6) (Incremental) Capital + Renewable + Energy Efficiency + VVO Program Costs	(7) Contract (Revenue)/Cost	(8) Less: Market Revenue	(9)=(1)thru(7)-(8) GRAND TOTAL, Net Utility Costs
	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000
2020	188,536	151,190	12,058	53,709	29,100	0	(3,479)	193,955	237,158
2021	194,004	157,405	15,496	72,592	29,516	0	(3,577)	202,846	262,590
2022	207,008	162,579	15,569	75,935	35,766	30,686	(5,308)	235,877	286,358
2023	218,516	121,099	7,823	69,537	28,798	44,951	(5,553)	209,721	275,449
2024	228,925	119,834	7,582	61,230	41,879	62,093	(5,810)	232,950	282,781
2025	235,482	124,600	7,995	56,321	42,732	62,093	(5,987)	241,008	282,229
2026	242,562	134,026	8,601	50,030	43,935	62,093	(6,155)	255,058	280,033
2027	251,332	132,054	8,421	48,815	44,493	62,093	(6,371)	253,383	287,454
2028	306,029	103,301	52,118	49,255	43,283	62,093	(7,727)	267,550	340,803
2029	308,246	103,841	54,783	47,861	44,449	62,093	(7,787)	270,863	342,624
2030	314,382	102,026	53,807	40,606	45,242	62,093	(7,936)	270,219	340,002
2031	318,491	106,915	61,816	39,600	56,346	101,068	(8,053)	304,664	371,518
2032	324,693	103,206	60,980	39,501	56,290	101,068	(8,205)	306,992	370,541
2033	330,973	102,322	62,817	39,428	57,459	101,068	(8,351)	309,788	375,927
2034	338,474	105,674	66,178	39,389	58,175	101,068	(8,519)	319,912	380,527
2035	349,321	113,506	73,493	39,705	59,902	101,068	(8,794)	344,808	383,392
2036	353,816	108,460	70,366	39,525	59,787	101,068	(8,906)	335,871	388,246
2037	365,043	104,529	65,540	39,510	59,874	101,068	(9,170)	327,508	398,887
2038	374,536	111,557	72,524	39,511	68,449	114,218	(9,394)	367,070	404,331
2039	381,829	110,425	74,219	38,809	69,610	114,218	(9,551)	371,673	407,887
2040	387,593	109,727	75,084	38,274	77,666	127,638	(9,672)	394,192	412,117
2041	396,855	119,936	83,484	37,326	79,632	127,638	(9,871)	415,853	419,147
2042	408,359	111,773	78,775	35,970	79,190	127,638	(10,145)	410,191	421,369
2043	414,763	119,800	86,399	35,618	81,648	127,638	(10,266)	429,242	426,357
2044	427,584	126,632	92,438	35,243	82,316	127,638	(10,557)	450,793	430,501
2045	440,905	126,496	93,842	34,951	83,903	127,638	(10,863)	459,577	437,295
2046	452,410	131,162	99,037	34,639	84,733	127,638	(11,119)	474,606	443,894
2047	458,714	143,322	109,698	34,267	87,598	127,638	(11,239)	501,137	448,861
2048	469,741	129,430	100,428	33,797	86,966	127,638	(11,517)	485,150	451,333
2049	467,015	129,913	102,277	33,797	87,046	127,638	(11,422)	482,255	454,010
Cumulative Present Worth \$000 (2020\$)									
Utility CPW 2020-2034	2,277,423	1,149,785	244,426	499,702	371,635	472,008	(55,329)	2,234,250	2,725,401
Utility CPW 2020-2049	3,558,057	1,526,461	506,812	619,838	608,593	850,608	(87,182)	3,522,161	4,061,026
CPW of End Effects beyond 2049									<u>806,571</u>
TOTAL Utility Cost, Net CPW (2020\$)									<u>4,867,598</u>

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	Resource (Capacity) Additions										Energy & Capacity Positions										Carbon Output			
	(10)	(11)	(12)		(14)	(15)	(16)		(17)	(18)	(19)	(20)	(21)	(22)	(23)=(20)+(21)+(22)	(24)	(25)	(26)=(24)-(25)	(27)=(23)-(26)	(28)	(29)	(30)=(28)-(29)	(31)	(32)
	(Current and Planned) Supply-Side + Purchased Unforced Capacity (UCAP)		(Increment) Energy Efficiency+ VVO + DR + Battery		Distributed Solar		Generic Wind		Utility Solar		Thermal Generation	(Current) Purchased Energy	(New) Generic Wind + Utility Solar	= Market Sales	Load (Net of Embedded EE)	Less: (Increment) Energy Efficiency+ VVO+Dist Solar	= Net Load Require- ments	ENERGY Surplus	Capacity	Peak + Reserves	CAPACITY Surplus	Reserve Margin	Existing Units CO2 Emissions	
	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	MW	MW	MW	%	tons	
2020	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6,159	112	0	6,270	6,060	211	1,302	1,066	236	33.1	6,221,687		
2021	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6,287	111	0	6,398	6,037	361	1,302	1,065	237	32.5	6,362,698		
2022	(367)	935	0.0	0.0	0.0	0.0	0.0	0.0	0.0	155.1	155.1	6,262	156	633	7,051	6,155	896	1,090	1,076	14	10.3	6,353,444		
2023	0	935	0.0	0.0	1.0	1.0	24.6	24.6	0.0	155.1	155.1	4,676	156	1,264	6,096	6,194	4	1,116	1,077	39	12.8	4,700,583		
2024	0	935	0.0	0.0	0.5	1.5	24.6	49.2	0.0	155.1	155.1	4,381	155	1,913	6,449	6,175	5	1,141	1,074	67	15.7	4,384,869		
2025	0	935	0.0	0.0	0.0	1.5	0.0	49.2	0.0	155.1	155.1	4,403	155	1,894	6,451	6,161	5	1,141	1,071	70	16.0	4,417,827		
2026	0	935	0.0	0.0	0.0	1.5	0.0	49.2	0.0	155.1	155.1	4,546	154	1,894	6,594	6,145	5	1,141	1,068	73	16.3	4,570,838		
2027	0	935	0.0	0.0	0.5	2.0	0.0	49.2	0.0	155.1	155.1	4,275	154	1,894	6,323	6,122	7	1,142	1,067	75	16.5	4,302,903		
2028	0	935	0.0	0.0	0.0	2.0	0.0	49.2	0.0	155.1	155.1	3,336	153	1,913	5,402	6,121	7	1,142	1,066	76	16.6	3,336,478		
2029	0	935	0.0	0.0	0.5	2.6	0.0	49.2	0.0	155.1	155.1	3,370	153	1,894	5,417	6,120	9	1,142	1,066	76	16.6	3,390,911		
2030	0	935	0.0	0.0	0.5	3.1	0.0	49.2	0.0	155.1	155.1	3,204	152	1,894	5,251	6,108	11	1,143	1,065	77	16.8	3,224,373		
2031	(140)	795	0.0	0.0	0.5	3.6	0.0	49.2	77.6	232.7	232.7	3,524	152	2,211	5,886	6,101	13	1,081	1,065	16	10.5	3,576,953		
2032	0	795	0.0	0.0	0.0	3.6	0.0	49.2	0.0	232.7	232.7	3,355	152	2,236	5,742	6,092	13	1,081	1,065	16	10.5	3,415,537		
2033	0	795	0.0	0.0	0.5	4.1	0.0	49.2	0.0	232.7	232.7	3,346	151	2,211	5,708	6,089	15	1,081	1,065	16	10.5	3,405,794		
2034	0	795	0.0	0.0	0.5	4.6	0.0	49.2	0.0	232.7	232.7	3,414	151	2,211	5,775	6,084	16	1,082	1,066	16	10.5	3,471,423		
2035	0	795	0.0	0.0	0.0	4.6	0.0	49.2	0.0	232.7	232.7	3,662	151	2,211	6,024	6,081	16	1,082	1,066	16	10.5	3,730,261		
2036	0	795	0.0	0.0	0.5	5.1	0.0	49.2	0.0	232.7	232.7	3,392	151	2,236	5,778	6,077	18	1,082	1,067	15	10.4	3,456,437		
2037	0	795	0.0	0.0	0.0	5.1	0.0	49.2	0.0	232.7	232.7	3,070	151	2,211	5,431	6,076	18	1,082	1,067	15	10.4	3,115,684		
2038	0	795	0.0	0.0	0.5	5.6	12.3	61.5	0.0	232.7	232.7	3,269	150	2,535	5,954	6,074	20	1,095	1,068	28	11.7	3,336,264		
2039	0	795	0.0	0.0	0.0	5.6	0.0	61.5	0.0	232.7	232.7	3,241	150	2,535	5,926	6,073	20	1,095	1,068	27	11.6	3,303,956		
2040	0	795	0.0	0.0	0.5	6.1	12.3	73.8	0.0	232.7	232.7	3,176	150	2,886	6,212	6,070	22	1,108	1,070	38	12.7	3,233,183		
2041	0	795	0.0	0.0	0.0	6.1	0.0	73.8	0.0	232.7	232.7	3,404	149	2,859	6,412	6,069	22	1,108	1,070	38	12.7	3,477,850		
2042	0	795	0.0	0.0	0.5	6.6	0.0	73.8	0.0	232.7	232.7	3,112	149	2,859	6,120	6,066	24	1,108	1,071	38	12.7	3,176,223		
2043	0	795	0.0	0.0	0.5	7.2	0.0	73.8	0.0	232.7	232.7	3,304	149	2,859	6,312	6,063	26	1,109	1,071	38	12.8	3,369,338		
2044	0	795	0.0	0.0	0.0	7.2	0.0	73.8	0.0	232.7	232.7	3,408	149	2,886	6,443	6,057	26	1,109	1,071	38	12.7	3,488,025		
2045	0	795	0.0	0.0	0.5	7.7	0.0	73.8	0.0	232.7	232.7	3,348	148	2,859	6,356	6,057	27	1,109	1,072	38	12.7	3,426,116		
2046	0	795	0.0	0.0	0.5	8.2	0.0	73.8	0.0	232.7	232.7	3,417	148	2,859	6,424	6,053	29	1,110	1,072	38	12.7	3,497,381		
2047	0	795	0.0	0.0	0.5	8.7	0.0	73.8	0.0	232.7	232.7	3,661	148	2,859	6,668	6,046	31	1,111	1,071	39	12.8	3,748,375		
2048	0	795	0.0	0.0	0.5	9.2	0.0	73.8	0.0	232.7	232.7	3,246	148	2,886	6,280	6,038	33	1,111	1,071	40	12.9	3,320,697		
2049	0	795	0.0	0.0	0.0	9.2	0.0	73.8	0.0	232.7	232.7	3,200	146	2,859	6,205	5,960	33	1,111	1,070	41	13.0	3,271,073		

Kentucky POWER COMPANY
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Low Band Commodity Pricing and Allowance Market Pricing Optimal Plan for 2022-2030 CC Only

Utility Costs (Nominal\$000)									
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)=(1)thru(7)-(8)
	Load Cost	Fuel Costs	Emission Costs	(Incremental) Existing System FOM and OGC	(Incremental) Variable O&M + Fixed O&M + Lease Costs + PPA Costs	(Incremental) Capital + Renewable + Energy Efficiency + VVO Program Costs	Contract (Revenue)/Cost	Less: Market Revenue	GRAND TOTAL, Net Utility Costs
	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000
2020	163,837	111,888	7,859	53,709	26,162	0	(3,017)	130,166	230,271
2021	160,677	110,577	8,778	72,592	26,396	0	(2,956)	121,376	254,687
2022	168,161	127,333	12,835	75,935	35,334	0	(4,297)	162,901	252,400
2023	175,878	101,246	7,719	69,537	16,282	0	(4,454)	139,523	226,684
2024	181,748	144,597	7,426	61,230	18,971	40,965	(4,596)	201,641	248,699
2025	186,904	146,411	7,799	56,321	19,171	40,965	(4,736)	204,990	247,843
2026	191,030	153,724	8,343	50,030	19,740	40,965	(4,831)	212,173	246,829
2027	197,153	156,360	8,269	48,815	19,984	40,965	(4,980)	213,069	253,497
2028	249,842	121,710	52,957	49,255	16,658	40,965	(6,293)	210,166	314,928
2029	250,762	119,989	53,433	47,861	16,906	40,965	(6,316)	205,194	318,406
2030	253,190	109,231	47,441	40,606	16,289	40,965	(6,374)	185,664	315,684
2031	255,831	107,429	51,958	39,600	20,718	54,821	(6,449)	201,591	322,317
2032	260,754	110,467	55,754	39,501	21,379	54,821	(6,564)	209,477	326,635
2033	264,707	103,405	51,976	39,428	21,166	54,821	(6,655)	197,919	330,930
2034	272,283	109,699	57,759	39,389	22,396	54,821	(6,838)	211,401	338,109
2035	279,633	118,200	66,170	39,705	23,620	54,821	(7,026)	231,282	343,841
2036	284,530	108,040	57,213	39,525	22,903	54,821	(7,155)	211,294	348,582
2037	292,306	107,717	56,061	39,510	22,788	54,821	(7,339)	207,652	358,212
2038	301,006	114,200	63,109	39,511	24,128	54,821	(7,552)	223,251	365,972
2039	306,261	104,664	57,078	38,809	23,410	54,821	(7,667)	208,250	369,127
2040	319,712	114,844	64,433	38,274	28,931	70,857	(8,021)	251,330	377,701
2041	329,678	124,189	73,648	37,326	34,152	87,051	(8,269)	290,578	387,196
2042	335,681	118,282	69,342	35,970	34,162	87,051	(8,400)	278,720	393,368
2043	337,999	114,771	69,353	35,618	34,641	87,051	(8,429)	270,803	400,201
2044	347,833	119,796	73,836	35,243	35,483	87,051	(8,644)	281,845	408,752
2045	357,970	116,624	72,667	34,951	35,902	87,051	(8,871)	279,004	417,289
2046	367,426	117,465	74,854	34,639	36,809	87,051	(9,093)	282,672	426,478
2047	373,042	121,338	80,371	34,267	38,143	87,051	(9,210)	292,504	432,497
2048	383,174	113,674	73,331	33,797	38,143	87,051	(9,475)	281,254	438,441
2049	380,110	107,641	70,558	33,797	37,722	87,051	(9,376)	267,046	440,458
Cumulative Present Worth \$000 (2020\$)									
Utility CPW 2020-2034	1,842,602	1,113,135	215,075	499,702	197,281	253,647	(44,533)	1,625,640	2,451,269
Utility CPW 2020-2049	2,881,725	1,480,778	428,887	619,838	292,772	482,842	(70,481)	2,428,481	3,687,881
CPW of End Effects beyond 2049									782,496
TOTAL Utility Cost, Net CPW (2020\$)									<u>4,470,376</u>

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	Resource (Capacity) Additions										Energy & Capacity Positions										Carbon Output		
	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)=(20)+(21)+(22)	(24)	(25)	(26)=(24)-(25)	(27)=(23)-(26)	(28)	(29)	(30)=(28)-(29)	(31)	(32)
	(Current and Planned) Supply-Side + Purchased Unforced Capacity (UCAP)		(Increment) Energy Efficiency+ VVO + DR + Battery		Distributed Solar		Generic Wind		Utility Solar		Thermal Generation	(Current) Purchased Energy	(New) Generic Wind + Utility Solar	= Market Sales	Load (Net of Embedded EE)	Less: (Increment) Energy Efficiency+ VVO+Dist Solar	= Net Load Require- ments	ENERGY Surplus	Capacity	Peak + Reserves	CAPACITY Surplus	Reserve Margin	Existing Units CO2 Emissions
	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	GWh	GWh	GWh	GWh	GWh	GWh	GWh	GWh	MW	MW	MW	%	tons
2020	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,569	112	0	4,681	6,060	0	6,060	(1,379)	1,302	1,066	236	33.1	4,334,069
2021	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,373	111	0	4,484	6,037	0	6,037	(1,553)	1,302	1,065	237	32.5	4,236,977
2022	(217)	1,085	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,794	156	0	5,950	6,155	0	6,155	(205)	1,085	1,076	9	9.8	5,765,243
2023	0	1,085	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	4,890	156	0	5,046	6,194	4	6,190	(1,144)	1,086	1,077	10	9.8	4,800,919
2024	251	1,336	0.0	0.0	0.5	1.5	0.0	0.0	0.0	0.0	6,861	155	0	7,016	6,175	5	6,170	847	1,338	1,074	264	35.6	5,301,472
2025	0	1,336	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	6,741	155	0	6,895	6,161	5	6,156	739	1,338	1,071	267	36.0	5,250,913
2026	0	1,336	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	6,797	154	0	6,951	6,145	5	6,140	811	1,338	1,068	269	36.3	5,348,846
2027	0	1,336	0.0	0.0	0.5	2.0	0.0	0.0	0.0	0.0	6,614	154	0	6,767	6,132	7	6,125	642	1,338	1,067	271	36.6	5,157,105
2028	0	1,336	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	5,001	153	0	5,154	6,121	7	6,113	(959)	1,338	1,066	272	36.7	3,510,708
2029	0	1,336	0.0	0.0	0.5	2.6	0.0	0.0	0.0	0.0	4,826	153	0	4,979	6,120	9	6,110	(1,132)	1,339	1,066	273	36.7	3,422,047
2030	0	1,336	0.0	0.0	0.5	3.1	0.0	0.0	0.0	0.0	4,281	152	0	4,434	6,108	11	6,097	(1,663)	1,339	1,065	274	36.9	2,947,637
2031	(262)	1,074	0.0	0.0	0.5	3.6	0.0	0.0	77.6	77.6	4,311	152	316	4,779	6,101	13	6,088	(1,309)	1,155	1,065	90	18.1	3,098,968
2032	0	1,074	0.0	0.0	0.0	3.6	0.0	0.0	0.0	77.6	4,377	152	323	4,851	6,092	13	6,080	(1,229)	1,155	1,065	90	18.1	3,209,799
2033	0	1,074	0.0	0.0	0.5	4.1	0.0	0.0	0.0	77.6	4,024	151	316	4,492	6,089	15	6,074	(1,582)	1,156	1,065	91	18.2	2,900,733
2034	0	1,074	0.0	0.0	0.5	4.6	0.0	0.0	0.0	77.6	4,192	151	316	4,660	6,084	16	6,068	(1,408)	1,156	1,066	91	18.1	3,109,045
2035	0	1,074	0.0	0.0	0.0	4.6	0.0	0.0	0.0	77.6	4,485	151	316	4,952	6,081	16	6,065	(1,113)	1,156	1,066	90	18.1	3,435,024
2036	0	1,074	0.0	0.0	0.5	5.1	0.0	0.0	0.0	77.6	3,936	151	323	4,409	6,077	18	6,058	(1,649)	1,157	1,067	90	18.0	2,885,906
2037	0	1,074	0.0	0.0	0.0	5.1	0.0	0.0	0.0	77.6	3,725	151	316	4,192	6,076	18	6,058	(1,866)	1,157	1,067	90	18.1	2,735,084
2038	0	1,074	0.0	0.0	0.5	5.6	0.0	0.0	0.0	77.6	3,909	150	316	4,376	6,074	20	6,054	(1,679)	1,158	1,068	90	18.0	2,969,069
2039	0	1,074	0.0	0.0	0.0	5.6	0.0	0.0	0.0	77.6	3,504	150	316	3,971	6,073	20	6,053	(2,082)	1,158	1,068	89	18.0	2,603,329
2040	0	1,074	0.0	0.0	0.5	6.1	0.0	0.0	77.6	155.1	3,770	150	645	4,565	6,070	22	6,048	(1,483)	1,236	1,070	166	25.7	2,839,404
2041	0	1,074	0.0	0.0	0.0	6.1	0.0	0.0	77.6	232.7	4,005	149	949	5,103	6,069	22	6,047	(944)	1,313	1,070	243	33.6	3,128,907
2042	0	1,074	0.0	0.0	0.5	6.6	0.0	0.0	0.0	232.7	3,686	149	949	4,785	6,066	24	6,042	(1,258)	1,314	1,071	243	33.6	2,852,743
2043	0	1,074	0.0	0.0	0.5	7.2	0.0	0.0	0.0	232.7	3,517	149	949	4,615	6,063	26	6,037	(1,422)	1,314	1,071	243	33.6	2,756,675
2044	0	1,074	0.0	0.0	0.0	7.2	0.0	0.0	0.0	232.7	3,568	149	968	4,685	6,057	26	6,032	(1,347)	1,314	1,071	243	33.6	2,836,160
2045	0	1,074	0.0	0.0	0.5	7.7	0.0	0.0	0.0	232.7	3,390	148	949	4,488	6,057	27	6,030	(1,542)	1,315	1,072	243	33.5	2,699,977
2046	0	1,074	0.0	0.0	0.5	8.2	0.0	0.0	0.0	232.7	3,341	148	949	4,438	6,053	29	6,024	(1,586)	1,315	1,072	243	33.6	2,687,745
2047	0	1,074	0.0	0.0	0.5	8.7	0.0	0.0	0.0	232.7	3,402	148	949	4,499	6,046	31	6,015	(1,516)	1,316	1,071	244	33.7	2,787,669
2048	0	1,074	0.0	0.0	0.5	9.2	0.0	0.0	0.0	232.7	3,081	148	968	4,197	6,038	33	6,005	(1,808)	1,316	1,071	245	33.8	2,465,157
2049	0	1,074	0.0	0.0	0.0	9.2	0.0	0.0	0.0	232.7	2,850	146	949	3,945	5,960	33	5,927	(1,983)	1,316	1,070	246	33.9	2,293,190

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Utility Costs (Nominal\$000)									
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)=(1)thru(7)-(8)
	Load Cost	Fuel Costs	Emission Costs	(Incremental) Existing System FOM and OGC	(Incremental) Variable O&M + Fixed O&M + Lease Costs + PPA Costs	(Incremental) Capital + Renewable + Energy Efficiency + VVO Program Costs	Contract (Revenue)/Cost	Less: Market Revenue	GRAND TOTAL, Net Utility Costs
	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000
2020	163,837	111,888	7,859	53,709	26,162	0	(3,017)	130,166	230,271
2021	160,677	110,577	8,778	72,592	26,396	0	(2,956)	121,376	254,687
2022	168,161	127,333	12,835	75,935	35,334	0	(4,297)	162,901	252,400
2023	175,878	105,310	7,719	69,537	18,449	26,449	(4,454)	145,113	253,776
2024	181,748	103,040	7,426	61,230	18,258	26,449	(4,596)	139,975	253,581
2025	186,904	103,410	7,799	56,321	18,406	26,449	(4,736)	141,692	252,861
2026	191,030	109,280	8,343	50,030	18,939	26,449	(4,831)	147,834	251,407
2027	197,153	110,846	8,269	48,815	19,247	26,449	(4,980)	147,047	258,753
2028	249,842	72,719	42,553	49,255	15,944	26,449	(6,293)	125,820	324,649
2029	250,762	70,483	42,949	47,861	16,134	26,449	(6,316)	122,292	326,029
2030	253,190	59,710	36,935	40,606	15,548	26,449	(6,374)	104,174	321,889
2031	255,831	57,768	41,359	39,600	23,579	54,889	(6,449)	134,334	332,242
2032	260,754	60,817	45,116	39,501	24,412	54,889	(6,564)	143,102	335,823
2033	264,707	54,573	41,480	39,428	24,398	54,889	(6,655)	133,316	339,504
2034	272,283	60,618	47,276	39,389	25,803	54,889	(6,838)	147,480	345,940
2035	279,633	69,531	55,769	39,705	27,289	54,889	(7,026)	168,313	351,477
2036	284,530	58,247	46,415	39,525	26,538	54,889	(7,155)	147,051	355,937
2037	292,306	58,754	45,576	39,510	26,673	54,889	(7,339)	145,645	364,724
2038	301,006	65,666	52,769	39,511	28,245	54,889	(7,552)	162,563	371,971
2039	306,261	57,133	46,923	38,809	27,714	54,889	(7,667)	149,885	374,177
2040	319,712	64,996	53,721	38,274	33,346	70,924	(8,021)	189,197	383,755
2041	329,678	74,998	63,183	37,326	34,845	70,924	(8,269)	211,300	391,385
2042	335,681	69,265	58,980	35,970	34,938	70,924	(8,400)	201,003	396,355
2043	337,999	67,290	59,250	35,618	35,445	70,924	(8,429)	196,853	401,244
2044	347,833	70,761	63,539	35,243	36,266	70,924	(8,644)	206,196	409,727
2045	357,970	68,714	62,662	34,951	36,867	70,924	(8,871)	205,627	417,590
2046	367,426	69,730	64,896	34,639	37,862	70,924	(9,093)	209,640	426,743
2047	373,042	74,747	70,598	34,267	39,350	70,924	(9,210)	221,411	432,307
2048	383,174	66,614	63,426	33,797	39,461	70,924	(9,475)	209,141	438,780
2049	380,110	63,135	61,078	33,797	39,207	70,924	(9,376)	199,356	439,519
Cumulative Present Worth \$000 (2020\$)									
Utility CPW 2020-2034	1,842,602	852,114	182,570	499,702	200,812	214,713	(44,533)	1,237,388	2,510,592
Utility CPW 2020-2049	2,881,725	1,064,190	363,280	619,838	304,484	419,422	(70,481)	1,822,334	3,760,125
CPW of End Effects beyond 2049									<u>780,828</u>
TOTAL Utility Cost, Net CPW (2020\$)									4,540,952

Kentucky POWER COMPANY
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Low Band Commodity Pricing and Allowance Market Pricing Optimal Plan for 2022-2030 CT Only

	Resource (Capacity) Additions										Energy & Capacity Positions										Carbon Output			
	(10)	(11)	(12)		(14)	(15)	(16)		(17)	(18)	(19)	(20)	(21)	(22)	(23)=(20)+(21)+(22)	(24)	(25)	(26)=(24)-(25)	(27)=(23)-(26)	(28)	(29)	(30)=(28)-(29)	(31)	(32)
	(Current and Planned) Supply-Side + Purchased Unforced Capacity (UCAP)		(Increment) Energy Efficiency+ VVO + DR + Battery		Distributed Solar		Generic Wind		Utility Solar		Thermal Generation	(Current) Purchased Energy	(New) Generic Wind + Utility Solar	= Market Sales	Load (Net of Embedded EE)	Less: (Increment) Energy Efficiency+ VVO+Dist Solar	= Net Load Require- ments	ENERGY Surplus	Capacity	Peak + Reserves	CAPACITY Surplus	Reserve Margin	Existing Units CO2 Emissions	
	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	GWh	GWh	GWh	GWh	GWh	GWh	MW	MW	MW	%	tons	
2020	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,569	112	0	4,681	6,060	0	6,060	(1,379)	1,302	1,066	236	33.1	4,334,069
2021	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,373	111	0	4,484	6,037	0	6,037	(1,553)	1,302	1,065	237	32.5	4,236,977
2022	(217)	1,085	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,794	156	0	5,950	6,155	0	6,155	(205)	1,085	1,076	9	9.8	5,765,243
2023	98	1,183	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	5,034	156	0	5,189	6,194	4	6,190	(1,001)	1,184	1,077	108	19.7	4,886,764
2024	0	1,183	0.0	0.0	0.5	1.5	0.0	0.0	0.0	0.0	0.0	4,676	155	0	4,831	6,175	5	6,170	(1,339)	1,185	1,074	111	20.1	4,521,893
2025	0	1,183	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	4,571	155	0	4,725	6,161	5	6,156	(1,431)	1,185	1,071	114	20.4	4,474,255
2026	0	1,183	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	4,649	154	0	4,803	6,145	5	6,140	(1,337)	1,185	1,068	116	20.7	4,578,216
2027	0	1,183	0.0	0.0	0.5	2.0	0.0	0.0	0.0	0.0	0.0	4,486	154	0	4,639	6,132	7	6,125	(1,486)	1,185	1,067	118	20.9	4,395,131
2028	0	1,183	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2,859	153	0	3,012	6,121	7	6,113	(3,102)	1,185	1,066	119	21.0	2,746,159
2029	0	1,183	0.0	0.0	0.5	2.6	0.0	0.0	0.0	0.0	0.0	2,759	153	0	2,912	6,120	9	6,110	(3,198)	1,186	1,066	120	21.1	2,677,609
2030	0	1,183	0.0	0.0	0.5	3.1	0.0	0.0	0.0	0.0	0.0	2,288	152	0	2,441	6,108	11	6,097	(3,656)	1,186	1,065	121	21.2	2,226,895
2031	(262)	921	0.0	0.0	0.5	3.6	0.0	0.0	155.1	155.1	2,372	152	633	3,157	6,101	13	6,088	(2,932)	1,080	1,065	15	10.4	2,396,429	
2032	0	921	0.0	0.0	0.0	3.6	0.0	0.0	0.0	155.1	2,497	152	645	3,294	6,092	13	6,080	(2,786)	1,080	1,065	15	10.4	2,528,566	
2033	0	921	0.0	0.0	0.5	4.1	0.0	0.0	0.0	155.1	2,228	151	633	3,012	6,089	15	6,074	(3,062)	1,081	1,065	16	10.5	2,251,302	
2034	0	921	0.0	0.0	0.5	4.6	0.0	0.0	0.0	155.1	2,456	151	633	3,240	6,084	16	6,068	(2,828)	1,081	1,066	15	10.4	2,482,331	
2035	0	921	0.0	0.0	0.0	4.6	0.0	0.0	0.0	155.1	2,809	151	633	3,593	6,081	16	6,065	(2,472)	1,081	1,066	15	10.4	2,834,293	
2036	0	921	0.0	0.0	0.5	5.1	0.0	0.0	0.0	155.1	2,263	151	645	3,059	6,077	18	6,058	(2,999)	1,082	1,067	14	10.3	2,283,309	
2037	0	921	0.0	0.0	0.0	5.1	0.0	0.0	0.0	155.1	2,152	151	633	2,936	6,076	18	6,058	(3,122)	1,082	1,067	15	10.4	2,169,723	
2038	0	921	0.0	0.0	0.5	5.6	0.0	0.0	0.0	155.1	2,406	150	633	3,189	6,074	20	6,054	(2,866)	1,082	1,068	15	10.3	2,430,385	
2039	0	921	0.0	0.0	0.0	5.6	0.0	0.0	0.0	155.1	2,077	150	633	2,860	6,073	20	6,053	(3,192)	1,082	1,068	14	10.3	2,092,207	
2040	0	921	0.0	0.0	0.5	6.1	0.0	0.0	77.6	232.7	2,305	150	968	3,423	6,070	22	6,048	(2,625)	1,160	1,070	90	18.1	2,318,426	
2041	0	921	0.0	0.0	0.0	6.1	0.0	0.0	0.0	232.7	2,616	149	949	3,715	6,069	22	6,047	(2,332)	1,160	1,070	90	18.0	2,637,175	
2042	0	921	0.0	0.0	0.5	6.6	0.0	0.0	0.0	232.7	2,363	149	949	3,461	6,066	24	6,042	(2,581)	1,161	1,071	90	18.0	2,382,288	
2043	0	921	0.0	0.0	0.5	7.2	0.0	0.0	0.0	232.7	2,285	149	949	3,383	6,063	26	6,037	(2,654)	1,161	1,071	90	18.1	2,313,535	
2044	0	921	0.0	0.0	0.0	7.2	0.0	0.0	0.0	232.7	2,363	149	968	3,480	6,057	26	6,032	(2,552)	1,161	1,071	90	18.0	2,399,764	
2045	0	921	0.0	0.0	0.5	7.7	0.0	0.0	0.0	232.7	2,259	148	949	3,356	6,057	27	6,030	(2,673)	1,162	1,072	90	18.0	2,290,304	
2046	0	921	0.0	0.0	0.5	8.2	0.0	0.0	0.0	232.7	2,256	148	949	3,354	6,053	29	6,024	(2,670)	1,162	1,072	90	18.0	2,293,800	
2047	0	921	0.0	0.0	0.5	8.7	0.0	0.0	0.0	232.7	2,374	148	949	3,471	6,046	31	6,015	(2,544)	1,163	1,071	91	18.1	2,414,130	
2048	0	921	0.0	0.0	0.5	9.2	0.0	0.0	0.0	232.7	2,072	148	968	3,188	6,038	33	6,005	(2,817)	1,163	1,071	92	18.2	2,099,339	
2049	0	921	0.0	0.0	0.0	9.2	0.0	0.0	0.0	232.7	1,920	146	949	3,015	5,960	33	5,927	(2,912)	1,163	1,070	93	18.3	1,954,908	

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Low Band Commodity Pricing and Allowance Market Pricing Optimal Plan for 2022-2024 Market Only

Utility Costs (Nominal\$000)									
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)=(1)thru(7)-(8)
	Load Cost	Fuel Costs	Emission Costs	(Incremental) Existing System FOM and OGC	(Incremental) Variable O&M + Fixed O&M + Lease Costs + PPA Costs	(Incremental) Capital + Renewable + Energy Efficiency + VVO Program Costs	Contract (Revenue)/Cost	Less: Market Revenue	GRAND TOTAL, Net Utility Costs
	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000
2020	163,837	111,888	7,859	53,709	26,162	0	(3,017)	130,166	230,271
2021	160,677	110,577	8,778	72,592	26,396	0	(2,956)	121,376	254,687
2022	168,161	127,333	12,835	75,935	35,334	0	(4,297)	162,901	252,400
2023	175,878	101,246	7,719	69,537	16,282	0	(4,454)	139,523	226,684
2024	181,748	99,213	7,426	61,230	15,700	0	(4,596)	134,754	225,967
2025	186,904	99,797	7,799	56,321	15,623	32,144	(4,736)	154,192	239,661
2026	191,030	105,816	8,343	50,030	16,173	25,820	(4,831)	160,974	231,409
2027	197,153	107,060	8,269	48,815	16,393	25,808	(4,980)	160,394	238,125
2028	249,842	68,208	41,554	49,255	12,922	25,794	(6,293)	142,477	298,806
2029	250,762	67,119	42,203	47,861	13,319	25,779	(6,316)	140,176	300,551
2030	253,190	56,821	36,296	40,606	12,813	25,640	(6,374)	123,134	295,858
2031	255,831	57,768	41,359	39,600	24,284	67,669	(6,449)	144,149	335,912
2032	260,754	60,817	45,116	39,501	25,130	67,669	(6,564)	153,218	339,204
2033	264,707	54,573	41,480	39,428	25,102	67,669	(6,655)	143,281	343,022
2034	272,283	60,618	47,276	39,389	26,503	67,669	(6,838)	157,636	349,264
2035	279,633	69,531	55,769	39,705	27,978	67,669	(7,026)	178,696	354,562
2036	284,530	58,247	46,415	39,525	27,212	67,669	(7,155)	157,812	358,631
2037	292,306	58,754	45,576	39,510	27,340	67,669	(7,339)	156,441	367,374
2038	301,006	65,666	52,769	39,511	28,897	67,669	(7,552)	173,676	374,290
2039	306,261	57,133	46,923	38,809	28,350	67,669	(7,667)	161,152	376,325
2040	319,712	64,996	53,721	38,274	31,345	73,014	(8,021)	189,197	383,844
2041	329,678	74,998	63,183	37,326	32,811	73,014	(8,269)	211,300	391,440
2042	335,681	69,265	58,980	35,970	32,864	73,014	(8,400)	201,003	396,370
2043	337,999	67,290	59,250	35,618	33,329	73,014	(8,429)	196,853	401,217
2044	347,833	70,761	63,539	35,243	34,103	73,014	(8,644)	206,196	409,653
2045	357,970	68,714	62,662	34,951	34,664	73,014	(8,871)	205,627	417,476
2046	367,426	69,730	64,896	34,639	35,617	73,014	(9,093)	209,640	426,588
2047	373,042	74,747	70,598	34,267	37,059	73,014	(9,210)	221,411	432,106
2048	383,174	66,614	63,426	33,797	37,118	73,014	(9,475)	209,141	438,527
2049	380,110	63,135	61,078	33,797	36,824	73,014	(9,376)	199,356	439,225
Cumulative Present Worth \$000 (2020\$)									
Utility CPW 2020-2034	1,842,602	834,135	181,358	499,702	188,958	198,062	(44,533)	1,296,193	2,404,093
Utility CPW 2020-2049	2,881,725	1,046,211	362,068	619,838	289,793	425,035	(70,481)	1,896,894	3,657,295
CPW of End Effects beyond 2049									<u>780,306</u>
TOTAL Utility Cost, Net CPW (2020\$)									4,437,601

Kentucky POWER COMPANY
2019 INTEGRATED RESOURCE PLAN
Low Band Commodity Pricing and Allowance Market Pricing Optimal Plan for 2022-2024 Market Only

	Resource (Capacity) Additions										Energy & Capacity Positions										Carbon Output		
	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)=(20)+(21)+(22)	(24)	(25)	(26)=(24)-(25)	(27)=(23)-(26)	(28)	(29)	(30)=(28)-(29)	(31)	(32)
	(Current and Planned) Supply-Side + Purchased Unforced Capacity (UCAP)		(Increment) Energy Efficiency+ VVO + DR + Battery		Distributed Solar		Generic Wind		Utility Solar		Thermal Generation	(Current) Purchased Energy	(New) Generic Wind + Utility Solar	= Market Sales	Load (Net of Embedded EE)	Less: (Increment) Energy Efficiency+ VVO+Dist Solar	= Net Load Require- ments	ENERGY Surplus	Capacity	Peak + Reserves	CAPACITY Surplus	Reserve Margin	Existing Units CO2 Emissions
	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	GWh	GWh	GWh	GWh	GWh	GWh	GWh	GWh	MW	MW	MW	%	tons
2020	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,569	112	0	4,681	6,060	6,060	(1,379)	1,302	1,066	236	33.1	4,334,069	
2021	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,373	111	0	4,484	6,037	0	6,037	(1,553)	1,302	1,065	237	32.5	4,236,977
2022	(217)	1,085	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,794	156	0	5,950	6,155	0	6,155	(205)	1,085	1,076	9	9.8	5,765,243
2023	0	1,085	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	4,890	156	0	5,046	6,194	4	6,190	(1,144)	1,086	1,077	10	9.8	4,800,919
2024	0	1,085	0.0	0.0	0.5	1.5	0.0	0.0	0.0	0.0	4,548	155	0	4,703	6,175	5	6,170	(1,467)	1,087	1,074	13	10.2	4,445,579
2025	(150)	935	5.0	5.0	0.0	1.5	0.0	0.0	129.3	129.3	4,456	155	527	5,138	6,161	26	6,135	(997)	1,071	1,071	0	8.9	4,405,497
2026	0	935	(0.2)	4.8	0.0	1.5	0.0	0.0	0.0	129.3	4,543	154	527	5,225	6,145	27	6,118	(894)	1,071	1,068	2	9.1	4,515,045
2027	0	935	(0.5)	4.3	0.5	2.0	0.0	0.0	0.0	129.3	4,375	154	527	5,056	6,132	28	6,104	(1,048)	1,071	1,067	4	9.3	4,328,685
2028	0	935	(0.3)	4.0	0.0	2.0	0.0	0.0	0.0	129.3	2,736	153	538	3,427	6,121	27	6,093	(2,667)	1,071	1,066	4	9.3	2,672,730
2029	0	935	(1.0)	3.0	0.5	2.6	0.0	0.0	0.0	129.3	2,671	153	527	3,351	6,120	25	6,095	(2,744)	1,070	1,066	4	9.3	2,624,649
2030	0	935	0.1	3.1	0.5	3.1	0.0	0.0	0.0	129.3	2,215	152	527	2,895	6,108	26	6,082	(3,187)	1,071	1,065	5	9.4	2,183,060
2031	(14)	921	(0.6)	2.5	0.5	3.6	0.0	0.0	77.6	206.8	2,372	152	844	3,368	6,101	25	6,076	(2,708)	1,134	1,065	69	15.9	2,396,429
2032	0	921	(0.6)	2.0	0.0	3.6	0.0	0.0	0.0	206.8	2,497	152	861	3,509	6,092	23	6,070	(2,561)	1,134	1,065	69	15.9	2,528,566
2033	0	921	(0.5)	1.4	0.5	4.1	0.0	0.0	0.0	206.8	2,228	151	844	3,223	6,089	22	6,067	(2,844)	1,134	1,065	69	15.9	2,251,302
2034	0	921	(0.4)	1.0	0.5	4.6	0.0	0.0	0.0	206.8	2,456	151	844	3,451	6,084	22	6,062	(2,611)	1,134	1,066	68	15.8	2,482,331
2035	0	921	(0.3)	0.7	0.0	4.6	0.0	0.0	0.0	206.8	2,809	151	844	3,804	6,081	20	6,061	(2,257)	1,133	1,066	67	15.7	2,834,293
2036	0	921	(0.3)	0.4	0.5	5.1	0.0	0.0	0.0	206.8	2,263	151	861	3,274	6,077	20	6,056	(2,782)	1,134	1,067	66	15.6	2,283,309
2037	0	921	(0.2)	0.2	0.0	5.1	0.0	0.0	0.0	206.8	2,152	151	844	3,147	6,076	19	6,057	(2,910)	1,134	1,067	66	15.7	2,169,723
2038	0	921	(0.1)	0.1	0.5	5.6	0.0	0.0	0.0	206.8	2,406	150	844	3,400	6,074	21	6,054	(2,654)	1,134	1,068	66	15.6	2,430,385
2039	0	921	(0.1)	0.0	0.0	5.6	0.0	0.0	0.0	206.8	2,077	150	844	3,071	6,073	20	6,053	(2,981)	1,134	1,068	66	15.6	2,092,207
2040	0	921	(0.0)	0.0	0.5	6.1	0.0	0.0	25.9	232.7	2,305	150	968	3,423	6,070	22	6,048	(2,625)	1,160	1,070	90	18.1	2,318,426
2041	0	921	0.0	0.0	0.0	6.1	0.0	0.0	0.0	232.7	2,616	149	949	3,715	6,069	22	6,047	(2,332)	1,160	1,070	90	18.0	2,637,175
2042	0	921	0.0	0.0	0.5	6.6	0.0	0.0	0.0	232.7	2,363	149	949	3,461	6,066	24	6,042	(2,581)	1,161	1,071	90	18.0	2,382,288
2043	0	921	0.0	0.0	0.5	7.2	0.0	0.0	0.0	232.7	2,285	149	949	3,383	6,063	26	6,037	(2,654)	1,161	1,071	90	18.1	2,313,535
2044	0	921	0.0	0.0	0.0	7.2	0.0	0.0	0.0	232.7	2,363	149	968	3,480	6,057	26	6,032	(2,552)	1,161	1,071	90	18.0	2,399,764
2045	0	921	0.0	0.0	0.5	7.7	0.0	0.0	0.0	232.7	2,259	148	949	3,356	6,057	27	6,030	(2,673)	1,162	1,072	90	18.0	2,290,304
2046	0	921	0.0	0.0	0.5	8.2	0.0	0.0	0.0	232.7	2,256	148	949	3,354	6,053	29	6,024	(2,670)	1,162	1,072	90	18.0	2,293,800
2047	0	921	0.0	0.0	0.5	8.7	0.0	0.0	0.0	232.7	2,374	148	949	3,471	6,046	31	6,015	(2,544)	1,163	1,071	91	18.1	2,414,130
2048	0	921	0.0	0.0	0.5	9.2	0.0	0.0	0.0	232.7	2,072	148	968	3,188	6,038	33	6,005	(2,817)	1,163	1,071	92	18.2	2,099,339
2049	0	921	0.0	0.0	0.0	9.2	0.0	0.0	0.0	232.7	1,920	146	949	3,015	5,960	33	5,927	(2,912)	1,163	1,070	93	18.3	1,954,908

Kentucky POWER COMPANY
2019 INTEGRATED RESOURCE PLAN
Low Band Commodity Pricing and Allowance Market Pricing Optimal Plan for 2022-2030 Solar + Wind Only

Utility Costs (Nominal\$000)									
	(1) Load Cost	(2) Fuel Costs	(3) Emission Costs	(4) (Incremental) Existing System FOM and OGC	(5) (Incremental) Variable O&M + Fixed O&M + Lease Costs + PPA Costs	(6) (Incremental) Capital + Renewable + Energy Efficiency + VVO Program Costs	(7) Contract (Revenue)/Cost	(8) Less: Market Revenue	(9)=(1)thru(7)-(8) GRAND TOTAL, Net Utility Costs
	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000
2020	163,837	111,888	7,859	53,709	26,162	0	(3,017)	130,166	230,271
2021	160,677	110,577	8,778	72,592	26,396	0	(2,956)	121,376	254,687
2022	168,161	127,333	12,835	75,935	35,248	30,686	(4,297)	180,892	265,009
2023	175,878	101,246	7,719	69,537	16,568	30,686	(4,454)	158,245	238,935
2024	181,748	99,213	7,426	61,230	16,461	30,686	(4,596)	154,683	237,486
2025	186,904	99,797	7,799	56,321	16,675	30,686	(4,736)	156,910	236,536
2026	191,030	105,816	8,343	50,030	17,248	30,686	(4,831)	163,753	234,571
2027	197,153	107,060	8,269	48,815	17,490	30,686	(4,980)	163,277	241,217
2028	249,842	68,208	41,554	49,255	14,041	30,686	(6,293)	146,245	301,048
2029	250,762	67,119	42,203	47,861	14,458	30,686	(6,316)	144,047	302,726
2030	253,190	56,821	36,296	40,606	13,977	30,686	(6,374)	127,060	298,143
2031	255,831	57,768	41,359	39,600	25,471	72,715	(6,449)	148,271	338,022
2032	260,754	60,817	45,116	39,501	26,342	72,715	(6,564)	157,647	341,034
2033	264,707	54,573	41,480	39,428	26,323	72,715	(6,655)	147,783	344,788
2034	272,283	60,618	47,276	39,389	27,739	72,715	(6,838)	162,357	350,825
2035	279,633	69,531	55,769	39,705	29,225	72,715	(7,026)	183,648	355,903
2036	284,530	58,247	46,415	39,525	28,474	72,715	(7,155)	163,044	359,707
2037	292,306	58,754	45,576	39,510	28,613	72,715	(7,339)	161,760	368,374
2038	301,006	65,666	52,769	39,511	30,181	72,715	(7,552)	179,200	375,096
2039	306,261	57,133	46,923	38,809	29,646	72,715	(7,667)	166,779	377,040
2040	319,712	64,996	53,721	38,274	31,345	72,715	(8,021)	189,197	383,545
2041	329,678	74,998	63,183	37,326	32,811	72,715	(8,269)	211,300	391,141
2042	335,681	69,265	58,980	35,970	32,864	72,715	(8,400)	201,003	396,071
2043	337,999	67,290	59,250	35,618	33,329	72,715	(8,429)	196,853	400,919
2044	347,833	70,761	63,539	35,243	34,103	72,715	(8,644)	206,196	409,354
2045	357,970	68,714	62,662	34,951	34,664	72,715	(8,871)	205,627	417,177
2046	367,426	69,730	64,896	34,639	35,617	72,715	(9,093)	209,640	426,289
2047	373,042	74,747	70,598	34,267	37,059	72,715	(9,210)	221,411	431,807
2048	383,174	66,614	63,426	33,797	37,118	72,715	(9,475)	209,141	438,228
2049	380,110	63,135	61,078	33,797	36,824	72,715	(9,376)	199,356	438,927
Cumulative Present Worth \$000 (2020\$)									
Utility CPW 2020-2034	1,842,602	834,135	181,358	499,702	195,276	288,368	(44,533)	1,357,160	2,439,750
Utility CPW 2020-2049	2,881,725	1,046,211	362,068	619,838	297,959	522,154	(70,481)	1,965,581	3,693,892
CPW of End Effects beyond 2049									<u>779,775</u>
TOTAL Utility Cost, Net CPW (2020\$)									4,473,667

Kentucky POWER COMPANY
2019 INTEGRATED RESOURCE PLAN
Low Band Commodity Pricing and Allowance Market Pricing Optimal Plan for 2022-2030 Solar + Wind Only

	Resource (Capacity) Additions										Energy & Capacity Positions										Carbon Output			
	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)=(20)+(21)+(22)	(24)	(25)	(26)=(24)-(25)	(27)=(23)-(26)	(28)	(29)	(30)=(28)-(29)	(31)	(32)	
	(Current and Planned) Supply-Side + Purchased Unforced Capacity (UCAP)		(Increment) Energy Efficiency+ VVO + DR + Battery		Distributed Solar		Generic Wind		Utility Solar		Thermal Generation	(Current) Purchased Energy	(New) Generic Wind + Utility Solar	= Market Sales	Load (Net of Embedded EE)	Less: (Increment) Energy Efficiency+ VVO+Dist Solar	= Net Load Require- ments	ENERGY Surplus	Capacity	Peak + Reserves	CAPACITY Surplus	Reserve Margin	Existing Units CO2 Emissions	
	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	GWh	GWh	GWh	GWh	GWh	GWh	GWh	GWh	MW	MW	MW	%	tons	
2020	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,569	112	0	4,681	6,060	0	6,060	(1,379)	1,302	1,066	236	33.1	4,334,069	
2021	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,373	111	0	4,484	6,037	0	6,037	(1,553)	1,302	1,065	237	32.5	4,236,977	
2022	(367)	935	0.0	0.0	0.0	0.0	0.0	0.0	0.0	155.1	155.1	5,794	156	633	6,583	6,155	0	6,155	428	1,090	1,076	14	10.3	5,765,243
2023	0	935	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	155.1	4,890	156	633	5,679	6,194	4	6,190	(511)	1,091	1,077	15	10.4	4,800,919
2024	0	935	0.0	0.0	0.5	1.5	0.0	0.0	0.0	0.0	155.1	4,548	155	645	5,349	6,175	5	6,170	(821)	1,092	1,074	18	10.7	4,445,579
2025	0	935	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	155.1	4,456	155	633	5,243	6,161	5	6,156	(913)	1,092	1,071	21	11.0	4,405,497
2026	0	935	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	155.1	4,543	154	633	5,330	6,145	5	6,140	(809)	1,092	1,068	23	11.3	4,515,045
2027	0	935	0.0	0.0	0.5	2.0	0.0	0.0	0.0	0.0	155.1	4,375	154	633	5,161	6,132	7	6,125	(964)	1,092	1,067	25	11.5	4,328,685
2028	0	935	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	155.1	2,736	153	645	3,534	6,121	7	6,113	(2,579)	1,092	1,066	26	11.6	2,672,730
2029	0	935	0.0	0.0	0.5	2.6	0.0	0.0	0.0	0.0	155.1	2,671	153	633	3,457	6,120	9	6,110	(2,654)	1,093	1,066	27	11.6	2,624,649
2030	0	935	0.0	0.0	0.5	3.1	0.0	0.0	0.0	0.0	155.1	2,215	152	633	3,000	6,108	11	6,097	(3,097)	1,093	1,065	28	11.8	2,183,060
2031	(14)	921	0.0	0.0	0.5	3.6	0.0	0.0	0.0	77.6	232.7	2,372	152	949	3,473	6,101	13	6,088	(2,615)	1,158	1,065	92	18.3	2,396,429
2032	0	921	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	232.7	2,497	152	968	3,617	6,092	13	6,080	(2,463)	1,158	1,065	92	18.3	2,528,566
2033	0	921	0.0	0.0	0.5	4.1	0.0	0.0	0.0	0.0	232.7	2,228	151	949	3,329	6,089	15	6,074	(2,746)	1,158	1,065	93	18.4	2,251,302
2034	0	921	0.0	0.0	0.5	4.6	0.0	0.0	0.0	0.0	232.7	2,456	151	949	3,556	6,084	16	6,068	(2,511)	1,159	1,066	93	18.4	2,482,331
2035	0	921	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	232.7	2,809	151	949	3,910	6,081	16	6,065	(2,155)	1,159	1,066	92	18.3	2,834,293
2036	0	921	0.0	0.0	0.5	5.1	0.0	0.0	0.0	0.0	232.7	2,263	151	968	3,382	6,077	18	6,058	(2,677)	1,159	1,067	92	18.2	2,283,309
2037	0	921	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	232.7	2,152	151	949	3,252	6,076	18	6,058	(2,806)	1,159	1,067	92	18.3	2,169,723
2038	0	921	0.0	0.0	0.5	5.6	0.0	0.0	0.0	0.0	232.7	2,406	150	949	3,505	6,074	20	6,054	(2,549)	1,160	1,068	92	18.3	2,430,385
2039	0	921	0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	232.7	2,077	150	949	3,177	6,073	20	6,053	(2,876)	1,160	1,068	92	18.2	2,092,207
2040	0	921	0.0	0.0	0.5	6.1	0.0	0.0	0.0	0.0	232.7	2,305	150	968	3,423	6,070	22	6,048	(2,625)	1,160	1,070	90	18.1	2,318,426
2041	0	921	0.0	0.0	0.0	6.1	0.0	0.0	0.0	0.0	232.7	2,616	149	949	3,715	6,069	22	6,047	(2,332)	1,160	1,070	90	18.0	2,637,175
2042	0	921	0.0	0.0	0.5	6.6	0.0	0.0	0.0	0.0	232.7	2,363	149	949	3,461	6,066	24	6,042	(2,581)	1,161	1,071	90	18.0	2,382,288
2043	0	921	0.0	0.0	0.5	7.2	0.0	0.0	0.0	0.0	232.7	2,285	149	949	3,383	6,063	26	6,037	(2,654)	1,161	1,071	90	18.1	2,313,535
2044	0	921	0.0	0.0	0.0	7.2	0.0	0.0	0.0	0.0	232.7	2,363	149	968	3,480	6,057	26	6,032	(2,552)	1,161	1,071	90	18.0	2,399,764
2045	0	921	0.0	0.0	0.5	7.7	0.0	0.0	0.0	0.0	232.7	2,259	148	949	3,356	6,057	27	6,030	(2,673)	1,162	1,072	90	18.0	2,290,304
2046	0	921	0.0	0.0	0.5	8.2	0.0	0.0	0.0	0.0	232.7	2,256	148	949	3,354	6,053	29	6,024	(2,670)	1,162	1,072	90	18.0	2,293,800
2047	0	921	0.0	0.0	0.5	8.7	0.0	0.0	0.0	0.0	232.7	2,374	148	949	3,471	6,046	31	6,015	(2,544)	1,163	1,071	91	18.1	2,414,130
2048	0	921	0.0	0.0	0.5	9.2	0.0	0.0	0.0	0.0	232.7	2,072	148	968	3,188	6,038	33	6,005	(2,817)	1,163	1,071	92	18.2	2,099,339
2049	0	921	0.0	0.0	0.0	9.2	0.0	0.0	0.0	0.0	232.7	1,920	146	949	3,015	5,960	33	5,927	(2,912)	1,163	1,070	93	18.3	1,954,908

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Utility Costs (Nominal\$000)									
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)=(1)thru(7)-(8)
	Load Cost	Fuel Costs	Emission Costs	(Incremental) Existing System FOM and OGC	(Incremental) Variable O&M + Fixed O&M + Lease Costs + PPA Costs	(Incremental) Capital + Renewable + Energy Efficiency + VVO Program Costs	Contract (Revenue)/Cost	Less: Market Revenue	GRAND TOTAL, Net Utility Costs
	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000
2020	177,199	141,756	10,822	53,709	28,404	0	(3,266)	172,626	235,998
2021	177,919	133,634	11,844	72,592	27,923	0	(3,277)	161,271	259,364
2022	188,974	148,173	14,481	75,935	31,909	0	(4,838)	192,589	262,044
2023	197,132	110,213	7,794	69,537	12,467	0	(5,003)	151,110	241,030
2024	205,328	159,681	7,515	61,230	18,577	40,965	(5,204)	220,023	268,069
2025	210,989	164,413	7,939	56,321	18,928	40,965	(5,356)	226,332	267,867
2026	216,786	173,952	8,489	50,030	19,554	40,965	(5,493)	237,040	267,243
2027	224,880	174,370	8,343	48,815	19,641	40,965	(5,693)	236,573	274,747
2028	227,989	172,380	8,509	49,255	19,734	40,965	(5,762)	234,781	278,289
2029	233,731	182,073	8,932	47,861	20,564	40,965	(5,906)	244,398	283,822
2030	240,248	181,973	8,599	40,606	20,666	40,965	(6,070)	242,711	284,276
2031	247,897	176,744	8,516	39,600	24,352	54,821	(6,274)	251,902	293,754
2032	256,516	187,989	9,099	39,501	25,275	54,821	(6,496)	268,204	298,502
2033	266,452	184,114	8,429	39,428	25,113	54,821	(6,743)	263,673	307,941
2034	274,743	189,145	8,410	39,389	25,676	54,821	(6,934)	267,154	318,097
2035	284,311	202,065	8,966	39,705	26,629	54,821	(7,177)	285,656	323,664
2036	287,389	194,734	8,239	39,525	26,462	54,821	(7,250)	272,933	330,987
2037	297,226	195,151	8,008	39,510	26,399	54,821	(7,487)	272,638	340,989
2038	309,793	206,797	8,479	39,511	27,499	54,821	(7,802)	290,247	348,850
2039	312,523	203,311	8,276	38,809	27,446	54,821	(7,837)	281,477	355,872
2040	318,515	207,415	8,466	38,274	28,336	54,821	(7,983)	287,520	360,324
2041	323,375	219,037	9,402	37,326	29,322	54,821	(8,076)	298,597	366,610
2042	327,698	204,483	8,534	35,970	28,858	54,821	(8,160)	278,585	373,619
2043	335,158	210,804	9,107	35,618	29,996	54,821	(8,324)	287,374	379,806
2044	344,089	224,960	9,859	35,243	31,143	54,821	(8,514)	304,427	387,176
2045	353,445	222,044	9,850	34,951	31,636	54,821	(8,722)	303,450	394,576
2046	363,756	234,234	10,718	34,639	33,230	54,821	(8,961)	319,152	403,285
2047	372,748	245,039	11,395	34,267	34,713	54,821	(9,167)	336,501	407,314
2048	379,998	241,404	11,078	33,797	35,239	54,821	(9,350)	331,387	415,600
2049	376,505	237,105	10,924	33,797	35,107	54,821	(9,237)	321,382	417,639
Cumulative Present Worth \$000 (2020\$)									
Utility CPW 2020-2034	1,937,651	1,443,921	85,490	499,702	205,668	253,647	(46,890)	1,939,618	2,439,570
Utility CPW 2020-2049	2,977,818	2,126,516	114,892	619,838	299,789	429,902	(72,841)	2,882,327	3,613,586
CPW of End Effects beyond 2049									741,957
TOTAL Utility Cost, Net CPW (2020\$)									4,355,543

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	Resource (Capacity) Additions										Energy & Capacity Positions										Carbon Output		
	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)=(20)+(21)+(22)	(24)	(25)	(26)=(24)-(25)	(27)=(23)-(26)	(28)	(29)	(30)=(28)-(29)	(31)	(32)
	(Current and Planned) Supply-Side + Purchased Unforced Capacity (UCAP)		(Increment) Energy Efficiency+ VVO + DR + Battery		Distributed Solar		Generic Wind		Utility Solar		Thermal Generation	(Current) Purchased Energy	(New) Generic Wind + Utility Solar	= Market Sales	Load (Net of Embedded EE)	Less: (Increment) Energy Efficiency+ VVO+Dist Solar	= Net Load Require- ments	ENERGY Surplus	Capacity	Peak + Reserves	CAPACITY Surplus	Reserve Margin	Existing Units CO2 Emissions
	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	GWh	GWh	GWh	GWh	GWh	GWh	GWh	GWh	MW	MW	MW	%	tons
2020	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,758	112	0	5,869	6,060	0	6,060	(191)	1,302	1,066	236	33.1	5,735,058
2021	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,285	111	0	5,396	6,037	0	6,037	(641)	1,302	1,065	237	32.5	5,282,953
2022	(217)	1,085	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6,137	156	0	6,293	6,155	0	6,155	138	1,085	1,076	9	9.8	6,170,811
2023	0	1,085	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	4,740	156	0	4,895	6,194	4	6,190	(1,295)	1,086	1,077	10	9.8	4,731,143
2024	251	1,336	0.0	0.0	0.5	1.5	0.0	0.0	0.0	0.0	6,608	155	0	6,763	6,175	5	6,170	593	1,338	1,074	264	35.6	5,199,228
2025	0	1,336	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	6,577	155	0	6,731	6,161	5	6,156	576	1,338	1,071	267	36.0	5,213,034
2026	0	1,336	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	6,669	154	0	6,823	6,145	5	6,140	684	1,338	1,068	269	36.3	5,332,978
2027	0	1,336	0.0	0.0	0.5	2.0	0.0	0.0	0.0	0.0	6,410	154	0	6,564	6,132	7	6,125	439	1,338	1,067	271	36.6	5,078,965
2028	0	1,336	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	6,235	153	0	6,388	6,121	7	6,113	275	1,338	1,066	272	36.7	4,965,544
2029	0	1,336	0.0	0.0	0.5	2.6	0.0	0.0	0.0	0.0	6,303	153	0	6,456	6,120	9	6,110	345	1,339	1,066	273	36.7	5,064,707
2030	0	1,336	0.0	0.0	0.5	3.1	0.0	0.0	0.0	0.0	6,041	152	0	6,194	6,108	11	6,097	96	1,339	1,065	274	36.9	4,809,888
2031	(262)	1,074	0.0	0.0	0.5	3.6	0.0	0.0	77.6	77.6	5,753	152	316	6,222	6,101	13	6,088	134	1,155	1,065	90	18.1	4,586,853
2032	0	1,074	0.0	0.0	0.0	3.6	0.0	0.0	0.0	77.6	5,904	152	323	6,378	6,092	13	6,080	299	1,155	1,065	90	18.1	4,754,919
2033	0	1,074	0.0	0.0	0.5	4.1	0.0	0.0	0.0	77.6	5,553	151	316	6,021	6,089	15	6,074	(53)	1,156	1,065	91	18.2	4,387,070
2034	0	1,074	0.0	0.0	0.5	4.6	0.0	0.0	0.0	77.6	5,450	151	316	5,917	6,084	16	6,068	(150)	1,156	1,066	91	18.1	4,292,796
2035	0	1,074	0.0	0.0	0.0	4.6	0.0	0.0	0.0	77.6	5,633	151	316	6,101	6,081	16	6,065	36	1,156	1,066	90	18.1	4,460,515
2036	0	1,074	0.0	0.0	0.5	5.1	0.0	0.0	0.0	77.6	5,260	151	323	5,733	6,077	18	6,058	(325)	1,157	1,067	90	18.0	4,085,691
2037	0	1,074	0.0	0.0	0.0	5.1	0.0	0.0	0.0	77.6	5,052	151	316	5,519	6,076	18	6,058	(539)	1,157	1,067	90	18.1	3,901,163
2038	0	1,074	0.0	0.0	0.5	5.6	0.0	0.0	0.0	77.6	5,148	150	316	5,614	6,074	20	6,054	(440)	1,158	1,068	90	18.0	4,018,201
2039	0	1,074	0.0	0.0	0.0	5.6	0.0	0.0	0.0	77.6	4,938	150	316	5,404	6,073	20	6,053	(648)	1,158	1,068	89	18.0	3,842,978
2040	0	1,074	0.0	0.0	0.5	6.1	0.0	0.0	0.0	77.6	4,926	150	323	5,399	6,070	22	6,048	(649)	1,158	1,070	88	17.8	3,838,858
2041	0	1,074	0.0	0.0	0.0	6.1	0.0	0.0	0.0	77.6	5,050	149	316	5,516	6,069	22	6,047	(531)	1,158	1,070	88	17.8	4,059,944
2042	0	1,074	0.0	0.0	0.5	6.6	0.0	0.0	0.0	77.6	4,587	149	316	5,052	6,066	24	6,042	(990)	1,159	1,071	88	17.8	3,648,401
2043	0	1,074	0.0	0.0	0.5	7.2	0.0	0.0	0.0	77.6	4,630	149	316	5,095	6,063	26	6,037	(942)	1,159	1,071	88	17.8	3,746,629
2044	0	1,074	0.0	0.0	0.0	7.2	0.0	0.0	0.0	77.6	4,788	149	323	5,259	6,057	26	6,032	(773)	1,159	1,071	88	17.8	3,933,135
2045	0	1,074	0.0	0.0	0.5	7.7	0.0	0.0	0.0	77.6	4,615	148	316	5,080	6,057	27	6,030	(949)	1,160	1,072	88	17.8	3,820,218
2046	0	1,074	0.0	0.0	0.5	8.2	0.0	0.0	0.0	77.6	4,759	148	316	5,224	6,053	29	6,024	(800)	1,160	1,072	88	17.8	4,006,786
2047	0	1,074	0.0	0.0	0.5	8.7	0.0	0.0	0.0	77.6	4,866	148	316	5,330	6,046	31	6,015	(685)	1,161	1,071	89	17.9	4,139,436
2048	0	1,074	0.0	0.0	0.5	9.2	0.0	0.0	0.0	77.6	4,692	148	323	5,163	6,038	33	6,005	(843)	1,161	1,071	90	18.0	3,964,974
2049	0	1,074	0.0	0.0	0.0	9.2	0.0	0.0	0.0	77.6	4,510	146	316	4,972	5,960	33	5,927	(955)	1,161	1,070	91	18.1	3,817,430

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Utility Costs (Nominal\$000)									
	(1) Load Cost	(2) Fuel Costs	(3) Emission Costs	(4) (Incremental) Existing System FOM and OGC	(5) (Incremental) Variable O&M + Fixed O&M + Lease Costs + PPA Costs	(6) (Incremental) Capital + Renewable + Energy Efficiency + VVO Program Costs	(7) Contract (Revenue)/Cost	(8) Less: Market Revenue	(9)=(1)thru(7)-(8) GRAND TOTAL, Net Utility Costs
	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000
2020	177,199	141,756	10,822	53,709	28,404	0	(3,266)	172,626	235,998
2021	177,919	133,634	11,844	72,592	27,923	0	(3,277)	161,271	259,364
2022	188,974	148,173	14,481	75,935	31,909	0	(4,838)	192,589	262,044
2023	197,132	113,825	7,794	69,537	17,976	26,449	(5,003)	155,893	271,817
2024	205,328	111,858	7,515	61,230	17,877	26,449	(5,204)	152,032	273,022
2025	210,989	115,250	7,939	56,321	18,220	26,449	(5,356)	157,040	272,773
2026	216,786	123,484	8,489	50,030	18,838	26,449	(5,493)	166,508	272,075
2027	224,880	122,644	8,343	48,815	19,035	26,449	(5,693)	163,911	280,562
2028	227,989	119,985	8,509	49,255	19,101	26,449	(5,762)	162,075	283,452
2029	233,731	129,395	8,932	47,861	20,092	26,449	(5,906)	171,799	288,755
2030	240,248	128,573	8,599	40,606	20,246	26,449	(6,070)	169,360	289,291
2031	247,897	121,636	8,516	39,600	27,542	54,889	(6,274)	189,178	304,626
2032	256,516	132,079	9,099	39,501	28,648	54,889	(6,496)	204,665	309,571
2033	266,452	127,236	8,429	39,428	28,634	54,889	(6,743)	198,356	319,969
2034	274,743	129,881	8,410	39,389	29,187	54,889	(6,934)	200,034	329,530
2035	284,311	140,750	8,966	39,705	30,277	54,889	(7,177)	216,216	335,505
2036	287,389	130,848	8,239	39,525	29,898	54,889	(7,250)	201,013	342,524
2037	297,226	131,274	8,008	39,510	30,132	54,889	(7,487)	201,602	351,949
2038	309,793	140,550	8,479	39,511	31,272	54,889	(7,802)	216,449	360,243
2039	312,523	136,969	8,276	38,809	31,258	54,889	(7,837)	209,150	365,737
2040	318,515	139,681	8,466	38,274	32,240	54,889	(7,983)	214,153	369,929
2041	323,375	153,358	9,402	37,326	33,468	54,889	(8,076)	228,988	374,753
2042	327,698	138,205	8,534	35,970	32,969	54,889	(8,160)	210,339	379,767
2043	335,158	145,603	9,107	35,618	34,258	54,889	(8,324)	221,437	384,874
2044	344,089	156,492	9,859	35,243	35,369	54,889	(8,514)	236,385	391,044
2045	353,445	155,870	9,850	34,951	36,154	54,889	(8,722)	238,714	397,723
2046	363,756	168,376	10,718	34,639	37,905	54,889	(8,961)	255,369	405,953
2047	372,748	178,930	11,395	34,267	39,536	54,889	(9,167)	272,813	409,783
2048	379,998	173,500	11,078	33,797	40,123	54,889	(9,350)	266,931	417,103
2049	376,505	170,437	10,924	33,797	40,101	54,889	(9,237)	259,366	418,050
Cumulative Present Worth \$000 (2020\$)									
Utility CPW 2020-2034	1,937,651	1,149,863	85,490	499,702	212,685	214,713	(46,890)	1,551,640	2,501,574
Utility CPW 2020-2049	2,977,818	1,621,887	114,892	619,838	319,868	391,186	(72,841)	2,272,279	3,700,370
CPW of End Effects beyond 2049									742,686
TOTAL Utility Cost, Net CPW (2020\$)									<u>4,443,056</u>

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	Resource (Capacity) Additions										Energy & Capacity Positions										Carbon Output			
	(10)	(11)	(12)		(14)	(15)	(16)		(17)	(18)	(19)	(20)	(21)	(22)	(23)=(20)+(21)+(22)	(24)	(25)	(26)=(24)-(25)	(27)=(23)-(26)	(28)	(29)	(30)=(28)-(29)	(31)	(32)
	(Current and Planned) Supply-Side + Purchased Unforced Capacity (UCAP)		(Increment) Energy Efficiency+ VVO + DR + Battery		Distributed Solar		Generic Wind		Utility Solar		Thermal Generation	(Current) Purchased Energy	(New) Generic Wind + Utility Solar	= Market Sales	Load (Net of Embedded EE)	Less: (Increment) Energy Efficiency+ VVO+Dist Solar	= Net Load Require- ments	ENERGY Surplus	Capacity	Peak + Reserves	CAPACITY Surplus	Reserve Margin	Existing Units CO2 Emissions	
	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	GWh	GWh	GWh	GWh	GWh	GWh	GWh	MW	MW	MW	%	tons
2020	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,758	112	0	5,869	6,060	0	6,060	(191)	1,302	1,066	236	33.1	5,735,058
2021	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,285	111	0	5,396	6,037	0	6,037	(641)	1,302	1,065	237	32.5	5,282,953
2022	(217)	1,085	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6,137	156	0	6,293	6,155	0	6,155	138	1,085	1,076	9	9.8	6,170,811
2023	98	1,183	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	4,845	156	0	5,001	6,194	4	6,190	(1,190)	1,184	1,077	108	19.7	4,794,177
2024	0	1,183	0.0	0.0	0.5	1.5	0.0	0.0	0.0	0.0	0.0	4,512	155	0	4,667	6,175	5	6,170	(1,503)	1,185	1,074	111	20.1	4,446,669
2025	0	1,183	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	4,508	155	0	4,662	6,161	5	6,156	(1,494)	1,185	1,071	114	20.4	4,468,446
2026	0	1,183	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	4,631	154	0	4,785	6,145	5	6,140	(1,355)	1,185	1,068	116	20.7	4,598,140
2027	0	1,183	0.0	0.0	0.5	2.0	0.0	0.0	0.0	0.0	0.0	4,386	154	0	4,540	6,132	7	6,125	(1,585)	1,185	1,067	118	20.9	4,353,050
2028	0	1,183	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	4,259	153	0	4,412	6,121	7	6,113	(1,701)	1,185	1,066	119	21.0	4,253,356
2029	0	1,183	0.0	0.0	0.5	2.6	0.0	0.0	0.0	0.0	0.0	4,383	153	0	4,536	6,120	9	6,110	(1,575)	1,186	1,066	120	21.1	4,375,461
2030	0	1,183	0.0	0.0	0.5	3.1	0.0	0.0	0.0	0.0	0.0	4,160	152	0	4,313	6,108	11	6,097	(1,784)	1,186	1,065	121	21.2	4,134,830
2031	(262)	921	0.0	0.0	0.5	3.6	0.0	0.0	155.1	155.1	3,859	152	633	4,644	6,101	13	6,088	(1,444)	1,080	1,065	15	10.4	3,910,163	
2032	0	921	0.0	0.0	0.0	3.6	0.0	0.0	0.0	155.1	4,032	152	645	4,829	6,092	13	6,080	(1,250)	1,080	1,065	15	10.4	4,088,757	
2033	0	921	0.0	0.0	0.5	4.1	0.0	0.0	0.0	155.1	3,695	151	633	4,479	6,089	15	6,074	(1,595)	1,081	1,065	16	10.5	3,730,076	
2034	0	921	0.0	0.0	0.5	4.6	0.0	0.0	0.0	155.1	3,596	151	633	4,380	6,084	16	6,068	(1,687)	1,081	1,066	15	10.4	3,635,184	
2035	0	921	0.0	0.0	0.0	4.6	0.0	0.0	0.0	155.1	3,770	151	633	4,554	6,081	16	6,065	(1,511)	1,081	1,066	15	10.4	3,803,734	
2036	0	921	0.0	0.0	0.5	5.1	0.0	0.0	0.0	155.1	3,375	151	645	4,172	6,077	18	6,058	(1,887)	1,082	1,067	14	10.3	3,413,870	
2037	0	921	0.0	0.0	0.0	5.1	0.0	0.0	0.0	155.1	3,241	151	633	4,024	6,076	18	6,058	(2,034)	1,082	1,067	15	10.4	3,260,324	
2038	0	921	0.0	0.0	0.5	5.6	0.0	0.0	0.0	155.1	3,343	150	633	4,126	6,074	20	6,054	(1,928)	1,082	1,068	15	10.3	3,379,176	
2039	0	921	0.0	0.0	0.0	5.6	0.0	0.0	0.0	155.1	3,197	150	633	3,980	6,073	20	6,053	(2,073)	1,082	1,068	14	10.3	3,223,376	
2040	0	921	0.0	0.0	0.5	6.1	0.0	0.0	0.0	155.1	3,194	150	645	3,989	6,070	22	6,048	(2,059)	1,083	1,070	13	10.2	3,222,946	
2041	0	921	0.0	0.0	0.0	6.1	0.0	0.0	0.0	155.1	3,448	149	633	4,231	6,069	22	6,047	(1,817)	1,083	1,070	13	10.1	3,489,175	
2042	0	921	0.0	0.0	0.5	6.6	0.0	0.0	0.0	155.1	3,054	149	633	3,836	6,066	24	6,042	(2,207)	1,083	1,071	13	10.1	3,095,576	
2043	0	921	0.0	0.0	0.5	7.2	0.0	0.0	0.0	155.1	3,172	149	633	3,954	6,063	26	6,037	(2,083)	1,084	1,071	13	10.2	3,219,497	
2044	0	921	0.0	0.0	0.0	7.2	0.0	0.0	0.0	155.1	3,335	149	645	4,129	6,057	26	6,032	(1,903)	1,084	1,071	12	10.1	3,404,351	
2045	0	921	0.0	0.0	0.5	7.7	0.0	0.0	0.0	155.1	3,267	148	633	4,048	6,057	27	6,030	(1,982)	1,084	1,072	12	10.1	3,329,747	
2046	0	921	0.0	0.0	0.5	8.2	0.0	0.0	0.0	155.1	3,468	148	633	4,249	6,053	29	6,024	(1,774)	1,085	1,072	13	10.2	3,536,563	
2047	0	921	0.0	0.0	0.5	8.7	0.0	0.0	0.0	155.1	3,605	148	633	4,386	6,046	31	6,015	(1,629)	1,085	1,071	14	10.3	3,681,002	
2048	0	921	0.0	0.0	0.5	9.2	0.0	0.0	0.0	155.1	3,440	148	645	4,233	6,038	33	6,005	(1,772)	1,086	1,071	14	10.3	3,508,280	
2049	0	921	0.0	0.0	0.0	9.2	0.0	0.0	0.0	155.1	3,311	146	633	4,090	5,960	33	5,927	(1,838)	1,086	1,070	15	10.4	3,379,816	

Kentucky POWER COMPANY
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No Carbon Commodity Pricing and Allowance Market Pricing Optimal Plan 2022-2030 Market Only Plan

Utility Costs (Nominal\$000)									
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)=(1)thru(7)-(8)
	Load Cost	Fuel Costs	Emission Costs	(Incremental) Existing System FOM and OGC	(Incremental) Variable O&M + Fixed O&M + Lease Costs + PPA Costs	(Incremental) Capital + Renewable + Energy Efficiency + VVO Program Costs	Contract (Revenue)/Cost	Less: Market Revenue	GRAND TOTAL, Net Utility Costs
	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000
2020	177,199	141,756	10,822	53,709	28,404	0	(3,266)	172,626	235,998
2021	177,919	133,634	11,844	72,592	27,923	0	(3,277)	161,271	259,364
2022	188,974	148,173	14,481	75,935	31,909	0	(4,838)	192,589	262,044
2023	197,132	110,213	7,794	69,537	12,467	0	(5,003)	151,110	241,030
2024	205,328	108,223	7,515	61,230	12,161	0	(5,204)	147,250	242,002
2025	210,989	111,745	7,939	56,321	15,596	32,144	(5,356)	172,166	257,213
2026	216,786	120,122	8,489	50,030	16,220	25,820	(5,493)	182,398	249,576
2027	224,880	118,520	8,343	48,815	16,257	25,808	(5,693)	179,646	257,284
2028	227,989	116,507	8,509	49,255	16,384	25,794	(5,762)	179,291	259,385
2029	233,731	125,342	8,932	47,861	17,248	25,779	(5,906)	188,290	264,698
2030	240,248	124,429	8,599	40,606	17,373	25,640	(6,070)	186,412	264,413
2031	247,897	121,636	8,516	39,600	28,247	67,669	(6,274)	198,753	308,536
2032	256,516	132,079	9,099	39,501	29,366	67,669	(6,496)	214,735	312,999
2033	266,452	127,236	8,429	39,428	29,338	67,669	(6,743)	208,520	323,288
2034	274,743	129,881	8,410	39,389	29,887	67,669	(6,934)	210,383	332,661
2035	284,311	140,750	8,966	39,705	30,965	67,669	(7,177)	226,883	338,306
2036	287,389	130,848	8,239	39,525	30,573	67,669	(7,250)	211,954	345,038
2037	297,226	131,274	8,008	39,510	30,799	67,669	(7,487)	212,670	354,328
2038	309,793	140,550	8,479	39,511	31,924	67,669	(7,802)	227,997	362,127
2039	312,523	136,969	8,276	38,809	31,894	67,669	(7,837)	220,700	367,602
2040	318,515	139,681	8,466	38,274	32,868	67,669	(7,983)	226,223	371,267
2041	323,375	153,358	9,402	37,326	34,077	67,669	(8,076)	240,891	376,239
2042	327,698	138,205	8,534	35,970	33,568	67,669	(8,160)	222,376	381,108
2043	335,158	145,603	9,107	35,618	34,838	67,669	(8,324)	233,722	385,948
2044	344,089	156,492	9,859	35,243	35,939	67,669	(8,514)	249,255	391,523
2045	353,445	155,870	9,850	34,951	36,707	67,669	(8,722)	251,557	398,212
2046	363,756	168,376	10,718	34,639	38,438	67,669	(8,961)	268,581	406,054
2047	372,748	178,930	11,395	34,267	40,054	67,669	(9,167)	286,375	409,519
2048	379,998	173,500	11,078	33,797	40,627	67,669	(9,350)	281,084	416,234
2049	376,505	170,437	10,924	33,797	40,556	67,669	(9,237)	273,220	417,430
Cumulative Present Worth \$000 (2020\$)									
Utility CPW 2020-2034	1,937,651	1,131,925	85,490	499,702	196,381	198,062	(46,890)	1,614,907	2,387,414
Utility CPW 2020-2049	2,977,818	1,603,949	114,892	619,838	305,526	415,623	(72,841)	2,374,146	3,590,659
CPW of End Effects beyond 2049									<u>741,585</u>
TOTAL Utility Cost, Net CPW (2020\$)									<u>4,332,244</u>

Kentucky POWER COMPANY
2019 INTEGRATED RESOURCE PLAN
No Carbon Commodity Pricing and Allowance Market Pricing Optimal Plan 2022-2030 Market Only Plan

	Resource (Capacity) Additions										Energy & Capacity Positions										Carbon Output			
	(10)	(11)	(12)		(14)	(15)	(16)		(17)	(18)	(19)	(20)	(21)	(22)	(23)=(20)+(21)+(22)	(24)	(25)	(26)=(24)-(25)	(27)=(23)-(26)	(28)	(29)	(30)=(28)-(29)	(31)	(32)
	(Current and Planned) Supply-Side + Purchased Unforced Capacity (UCAP)		(Increment) Energy Efficiency+ VVO + DR + Battery		Distributed Solar		Generic Wind		Utility Solar		Thermal Generation	(Current) Purchased Energy	(New) Generic Wind + Utility Solar	= Market Sales	Load (Net of Embedded EE)	Less: (Increment) Energy Efficiency+ VVO+Dist Solar	= Net Load Require- ments	ENERGY Surplus	Capacity	Peak + Reserves	CAPACITY Surplus	Reserve Margin	Existing Units CO2 Emissions	
	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	GWh	GWh	GWh	GWh	GWh	GWh	MW	MW	MW	%	tons	
2020	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,758	112	0	5,869	6,060	0	6,060	(191)	1,302	1,066	236	33.1	5,735,058
2021	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,285	111	0	5,396	6,037	0	6,037	(641)	1,302	1,065	237	32.5	5,282,953
2022	(217)	1,085	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6,137	156	0	6,293	6,155	0	6,155	138	1,085	1,076	9	9.8	6,170,811
2023	0	1,085	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	4,740	156	0	4,895	6,194	4	6,190	(1,295)	1,086	1,077	10	9.8	4,731,143
2024	0	1,085	0.0	0.0	0.5	1.5	0.0	0.0	0.0	0.0	0.0	4,412	155	0	4,567	6,175	5	6,170	(1,603)	1,087	1,074	13	10.2	4,386,628
2025	(150)	935	5.0	5.0	0.0	1.5	0.0	0.0	129.3	129.3	0.0	4,415	155	527	5,097	6,161	26	6,135	(1,038)	1,071	1,071	0	8.9	4,413,186
2026	0	935	(0.2)	4.8	0.0	1.5	0.0	0.0	0.0	129.3	0.0	4,546	154	527	5,227	6,145	27	6,118	(891)	1,071	1,068	2	9.1	4,547,208
2027	0	935	(0.5)	4.3	0.5	2.0	0.0	0.0	0.0	129.3	0.0	4,286	154	527	4,967	6,132	28	6,104	(1,138)	1,071	1,067	4	9.3	4,292,822
2028	0	935	(0.3)	4.0	0.0	2.0	0.0	0.0	0.0	129.3	0.0	4,177	153	538	4,868	6,121	27	6,093	(1,225)	1,071	1,066	4	9.3	4,204,256
2029	0	935	(1.0)	3.0	0.5	2.6	0.0	0.0	0.0	129.3	0.0	4,290	153	527	4,971	6,120	25	6,095	(1,124)	1,070	1,066	4	9.3	4,320,171
2030	0	935	0.1	3.1	0.5	3.1	0.0	0.0	0.0	129.3	0.0	4,069	152	527	4,749	6,108	26	6,082	(1,332)	1,071	1,065	5	9.4	4,080,376
2031	(14)	921	(0.6)	2.5	0.5	3.6	0.0	0.0	77.6	206.8	0.0	3,859	152	844	4,855	6,101	25	6,076	(1,220)	1,134	1,065	69	15.9	3,910,163
2032	0	921	(0.6)	2.0	0.0	3.6	0.0	0.0	0.0	206.8	0.0	4,032	152	861	5,044	6,092	23	6,070	(1,025)	1,134	1,065	69	15.9	4,088,757
2033	0	921	(0.5)	1.4	0.5	4.1	0.0	0.0	0.0	206.8	0.0	3,695	151	844	4,690	6,089	22	6,067	(1,376)	1,134	1,065	69	15.9	3,730,076
2034	0	921	(0.4)	1.0	0.5	4.6	0.0	0.0	0.0	206.8	0.0	3,596	151	844	4,591	6,084	22	6,062	(1,471)	1,134	1,066	68	15.8	3,635,184
2035	0	921	(0.3)	0.7	0.0	4.6	0.0	0.0	0.0	206.8	0.0	3,770	151	844	4,765	6,081	20	6,061	(1,296)	1,133	1,066	67	15.7	3,803,734
2036	0	921	(0.3)	0.4	0.5	5.1	0.0	0.0	0.0	206.8	0.0	3,375	151	861	4,387	6,077	20	6,056	(1,670)	1,134	1,067	66	15.6	3,413,870
2037	0	921	(0.2)	0.2	0.0	5.1	0.0	0.0	0.0	206.8	0.0	3,241	151	844	4,235	6,076	19	6,057	(1,822)	1,134	1,067	66	15.7	3,260,324
2038	0	921	(0.1)	0.1	0.5	5.6	0.0	0.0	0.0	206.8	0.0	3,343	150	844	4,337	6,074	21	6,054	(1,717)	1,134	1,068	66	15.6	3,379,176
2039	0	921	(0.1)	0.0	0.0	5.6	0.0	0.0	0.0	206.8	0.0	3,197	150	844	4,191	6,073	20	6,053	(1,862)	1,134	1,068	66	15.6	3,223,376
2040	0	921	(0.0)	0.0	0.5	6.1	0.0	0.0	0.0	206.8	0.0	3,194	150	861	4,204	6,070	22	6,048	(1,843)	1,134	1,070	64	15.4	3,222,946
2041	0	921	0.0	0.0	0.0	6.1	0.0	0.0	0.0	206.8	0.0	3,448	149	844	4,442	6,069	22	6,047	(1,606)	1,134	1,070	64	15.4	3,489,175
2042	0	921	0.0	0.0	0.5	6.6	0.0	0.0	0.0	206.8	0.0	3,054	149	844	4,047	6,066	24	6,042	(1,996)	1,135	1,071	64	15.4	3,095,576
2043	0	921	0.0	0.0	0.5	7.2	0.0	0.0	0.0	206.8	0.0	3,172	149	844	4,165	6,063	26	6,037	(1,872)	1,135	1,071	65	15.4	3,219,497
2044	0	921	0.0	0.0	0.0	7.2	0.0	0.0	0.0	206.8	0.0	3,335	149	861	4,344	6,057	26	6,032	(1,687)	1,135	1,071	64	15.4	3,404,351
2045	0	921	0.0	0.0	0.5	7.7	0.0	0.0	0.0	206.8	0.0	3,267	148	844	4,259	6,057	27	6,030	(1,771)	1,136	1,072	64	15.4	3,329,747
2046	0	921	0.0	0.0	0.5	8.2	0.0	0.0	0.0	206.8	0.0	3,468	148	844	4,460	6,053	29	6,024	(1,563)	1,136	1,072	64	15.4	3,536,563
2047	0	921	0.0	0.0	0.5	8.7	0.0	0.0	0.0	206.8	0.0	3,605	148	844	4,597	6,046	31	6,015	(1,418)	1,137	1,071	65	15.5	3,681,002
2048	0	921	0.0	0.0	0.5	9.2	0.0	0.0	0.0	206.8	0.0	3,440	148	861	4,448	6,038	33	6,005	(1,557)	1,137	1,071	66	15.6	3,508,280
2049	0	921	0.0	0.0	0.0	9.2	0.0	0.0	0.0	206.8	0.0	3,311	146	844	4,301	5,960	33	5,927	(1,627)	1,137	1,070	67	15.7	3,379,816

Kentucky POWER COMPANY
2019 INTEGRATED RESOURCE PLAN
No Carbon Commodity Pricing and Allowance Market Pricing Optimal Plan 2022-2030 Solar + Wind Only Plan

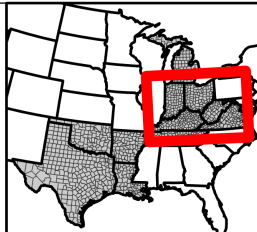
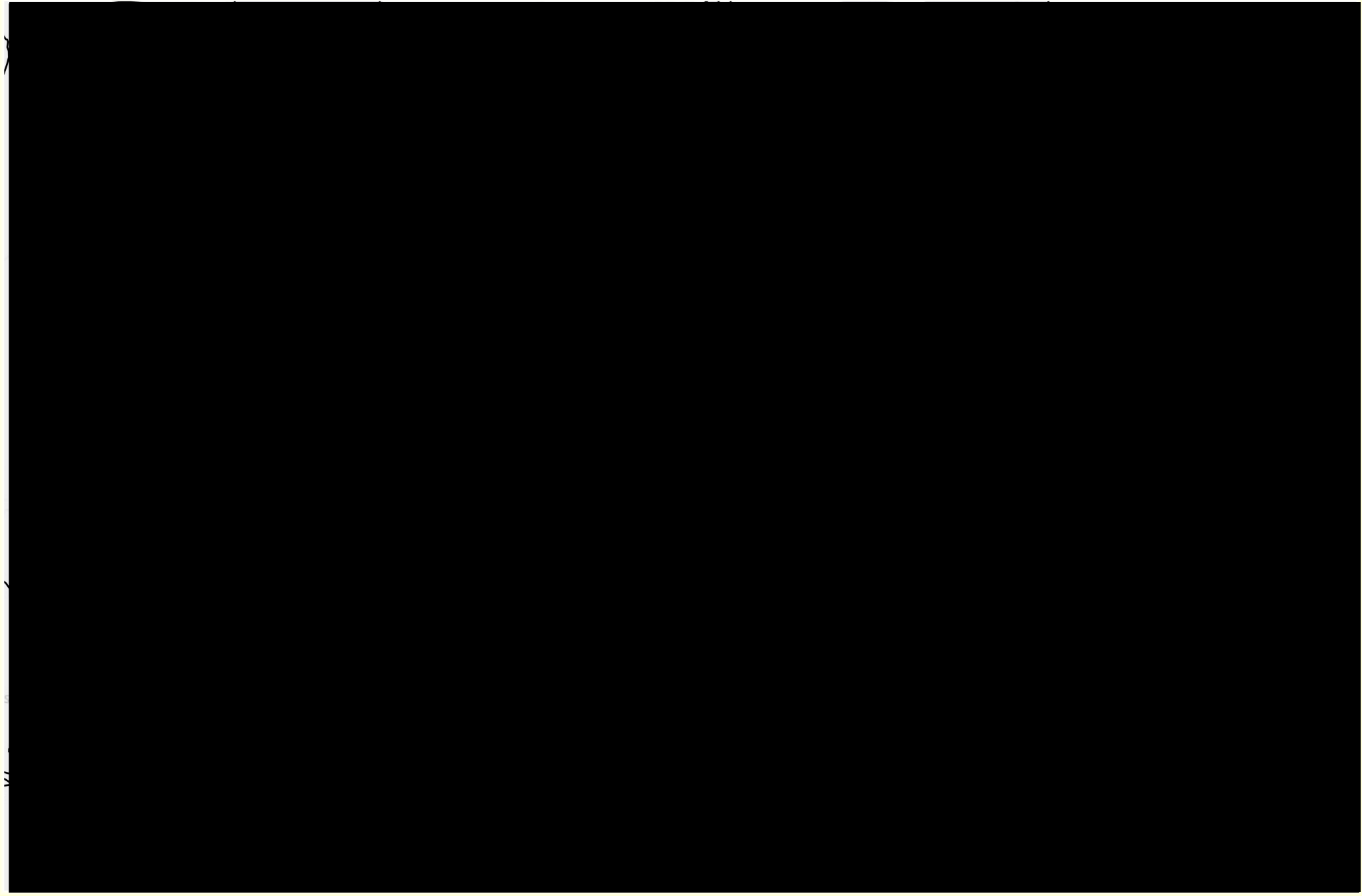
Utility Costs (Nominal\$000)									
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)=(1)thru(7)-(8)
	Load Cost	Fuel Costs	Emission Costs	(Incremental) Existing System FOM and OGC	(Incremental) Variable O&M + Fixed O&M + Lease Costs + PPA Costs	(Incremental) Capital + Renewable + Energy Efficiency + VVO Program Costs	Contract (Revenue)/Cost	Less: Market Revenue	GRAND TOTAL, Net Utility Costs
	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000
2020	177,199	141,756	10,822	53,709	28,404	0	(3,266)	172,626	235,998
2021	177,919	133,634	11,844	72,592	27,923	0	(3,277)	161,271	259,364
2022	188,974	148,173	14,481	75,935	35,684	30,686	(4,838)	212,898	276,198
2023	197,132	110,213	7,794	69,537	28,888	44,951	(5,003)	191,379	262,133
2024	205,328	108,223	7,515	61,230	29,089	44,951	(5,204)	189,892	261,239
2025	210,989	111,745	7,939	56,321	29,692	44,951	(5,356)	195,810	260,472
2026	216,786	120,122	8,489	50,030	30,598	44,951	(5,493)	206,969	258,514
2027	224,880	118,520	8,343	48,815	30,923	44,951	(5,693)	205,097	265,641
2028	227,989	116,507	8,509	49,255	31,380	44,951	(5,762)	205,216	267,613
2029	233,731	125,342	8,932	47,861	32,506	44,951	(5,906)	214,929	272,488
2030	240,248	124,429	8,599	40,606	33,133	45,745	(6,070)	214,255	272,435
2031	247,897	120,943	8,516	39,600	42,879	87,678	(6,274)	227,315	313,924
2032	256,516	131,274	9,099	39,501	43,842	85,534	(6,496)	244,550	314,720
2033	266,452	125,481	8,429	39,428	43,902	85,534	(6,743)	237,777	324,707
2034	274,743	128,457	8,410	39,389	44,599	86,474	(6,934)	241,833	333,305
2035	284,311	138,391	8,966	39,705	45,805	86,474	(7,177)	258,278	338,197
2036	287,389	129,723	8,239	39,525	45,541	86,474	(7,250)	245,617	344,024
2037	297,226	129,141	8,008	39,510	45,869	86,474	(7,487)	246,355	352,385
2038	309,793	138,420	8,479	39,511	46,851	86,474	(7,802)	262,913	358,813
2039	312,523	135,439	8,276	38,809	47,253	86,474	(7,837)	256,790	364,148
2040	318,515	137,965	8,466	38,274	48,275	87,005	(7,983)	263,513	367,005
2041	323,375	151,656	9,402	37,326	49,817	87,005	(8,076)	278,415	372,089
2042	327,698	137,844	8,534	35,970	49,435	87,005	(8,160)	262,523	375,805
2043	335,158	145,586	9,107	35,618	51,088	87,005	(8,324)	275,584	379,654
2044	344,089	157,392	9,859	35,243	52,232	87,005	(8,514)	293,300	384,008
2045	353,445	156,459	9,850	34,951	53,452	87,912	(8,722)	296,261	391,086
2046	363,756	169,402	10,718	34,639	55,092	88,089	(8,961)	314,970	397,764
2047	372,748	179,536	11,395	34,267	56,993	88,089	(9,167)	333,280	400,579
2048	379,998	174,117	11,078	33,797	57,505	88,089	(9,350)	329,717	405,517
2049	376,505	170,404	10,924	33,797	57,013	87,149	(9,237)	320,533	406,022
Cumulative Present Worth \$000 (2020\$)									
Utility CPW 2020-2034	1,937,651	1,130,117	85,490	499,702	296,796	379,238	(46,890)	1,825,103	2,457,000
Utility CPW 2020-2049	2,977,818	1,599,161	114,892	619,838	456,372	658,838	(72,841)	2,708,743	3,645,335
CPW of End Effects beyond 2049									721,318
TOTAL Utility Cost, Net CPW (2020\$)									4,366,653



Kentucky POWER COMPANY
2019 INTEGRATED RESOURCE PLAN
No Carbon Commodity Pricing and Allowance Market Pricing Optimal Plan 2022-2030 Solar + Wind Only Plan

	Resource (Capacity) Additions										Energy & Capacity Positions										Carbon Output		
	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)=(20)+(21)+(22)	(24)	(25)	(26)=(24)-(25)	(27)=(23)-(26)	(28)	(29)	(30)=(28)-(29)	(31)	(32)
	(Current and Planned) Supply-Side + Purchased Unforced Capacity (UCAP)		(Increment) Energy Efficiency+ VVO + DR + Battery		Distributed Solar		Generic Wind		Utility Solar		Thermal Generation	(Current) Purchased Energy	(New) Generic Wind + Utility Solar	= Market Sales	Load (Net of Embedded EE)	Less: (Increment) Energy Efficiency+ VVO+Dist Solar	= Net Load Require- ments	ENERGY Surplus	Capacity	Peak + Reserves	CAPACITY Surplus	Reserve Margin	Existing Units CO2 Emissions
	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	Ann MW	Cum MW	GWh	GWh	GWh	GWh	GWh	GWh	GWh	GWh	MW	MW	MW	%	tons
2020	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,758	112	0	5,869	6,060	0	6,060	(191)	1,302	1,066	236	33.1	5,735,058	
2021	0	1,302	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,285	111	0	5,396	6,037	0	6,037	(641)	1,302	1,065	237	32.5	5,282,953	
2022	(367)	935	0.0	0.0	0.0	0.0	0.0	155.1	155.1	6,137	156	633	6,926	6,155	0	6,155	771	1,090	1,076	14	10.3	6,170,811	
2023	0	935	0.0	0.0	1.0	1.0	24.6	24.6	0.0	4,740	156	1,264	6,159	6,194	4	6,190	(31)	1,116	1,077	39	12.8	4,731,143	
2024	0	935	0.0	0.0	0.5	1.5	0.0	24.6	0.0	4,412	155	1,279	5,846	6,175	5	6,170	(324)	1,116	1,074	43	13.2	4,386,628	
2025	0	935	0.0	0.0	0.0	1.5	0.0	24.6	0.0	4,415	155	1,264	5,834	6,161	5	6,156	(322)	1,116	1,071	46	13.5	4,413,186	
2026	0	935	0.0	0.0	0.0	1.5	0.0	24.6	0.0	4,546	154	1,264	5,963	6,145	5	6,140	(176)	1,116	1,068	48	13.8	4,547,208	
2027	0	935	0.0	0.0	0.5	2.0	0.0	24.6	0.0	4,286	154	1,264	5,703	6,132	7	6,125	(422)	1,117	1,067	50	14.0	4,292,822	
2028	0	935	0.0	0.0	0.0	2.0	0.0	24.6	0.0	4,177	153	1,279	5,610	6,121	7	6,113	(504)	1,117	1,066	51	14.1	4,204,256	
2029	0	935	0.0	0.0	0.5	2.6	0.0	24.6	0.0	4,290	153	1,264	5,707	6,120	9	6,110	(404)	1,118	1,066	51	14.1	4,320,171	
2030	0	935	4.3	4.3	0.5	3.1	0.0	24.6	0.0	4,069	152	1,264	5,486	6,108	27	6,081	(595)	1,122	1,065	57	14.7	4,080,376	
2031	(140)	795	4.9	9.2	0.5	3.6	0.0	24.6	77.6	3,846	152	1,580	5,778	6,101	48	6,053	(475)	1,065	1,065	0	8.9	3,901,152	
2032	0	795	(0.2)	9.0	0.0	3.6	0.0	24.6	0.0	4,017	152	1,602	5,771	6,092	48	6,045	(274)	1,065	1,065	0	8.9	4,078,573	
2033	0	795	(0.3)	8.7	0.5	4.1	0.0	24.6	0.0	3,661	151	1,580	5,393	6,089	49	6,040	(647)	1,065	1,065	0	8.9	3,708,824	
2034	0	795	2.6	11.4	0.5	4.6	0.0	24.6	0.0	3,570	151	1,580	5,301	6,084	60	6,024	(723)	1,069	1,066	3	9.2	3,618,446	
2035	0	795	(0.2)	11.2	0.0	4.6	0.0	24.6	0.0	3,728	151	1,580	5,459	6,081	60	6,022	(563)	1,068	1,066	2	9.1	3,777,279	
2036	0	795	(0.2)	11.0	0.5	5.1	0.0	24.6	0.0	3,356	151	1,602	5,109	6,077	61	6,016	(907)	1,069	1,067	1	9.0	3,401,487	
2037	0	795	(0.2)	10.8	0.0	5.1	0.0	24.6	0.0	3,205	151	1,580	4,936	6,076	60	6,016	(1,080)	1,069	1,067	2	9.0	3,238,024	
2038	0	795	(0.1)	10.7	0.5	5.6	0.0	24.6	0.0	3,309	150	1,580	5,039	6,074	61	6,013	(974)	1,069	1,068	1	9.0	3,357,809	
2039	0	795	(0.1)	10.6	0.0	5.6	0.0	24.6	0.0	3,174	150	1,580	4,904	6,073	61	6,012	(1,108)	1,069	1,068	1	8.9	3,208,469	
2040	0	795	1.1	11.7	0.5	6.1	0.0	24.6	0.0	3,168	150	1,602	4,920	6,070	67	6,003	(1,083)	1,070	1,070	1	8.9	3,206,613	
2041	0	795	(0.1)	11.6	0.0	6.1	0.0	24.6	0.0	3,424	149	1,580	5,153	6,069	67	6,003	(849)	1,070	1,070	0	8.9	3,473,755	
2042	0	795	(0.0)	11.6	0.5	6.6	0.0	24.6	0.0	3,049	149	1,580	4,779	6,066	68	5,998	(1,219)	1,071	1,071	0	8.9	3,092,436	
2043	0	795	(0.0)	11.5	0.5	7.2	0.0	24.6	0.0	3,173	149	1,580	4,902	6,063	70	5,993	(1,091)	1,071	1,071	1	8.9	3,219,309	
2044	0	795	(0.0)	11.5	0.0	7.2	0.0	24.6	0.0	3,348	149	1,602	5,099	6,057	70	5,987	(889)	1,071	1,071	0	8.9	3,411,539	
2045	0	795	0.2	11.7	0.5	7.7	0.0	24.6	0.0	3,275	148	1,580	5,004	6,057	72	5,985	(982)	1,072	1,072	0	8.9	3,334,195	
2046	0	795	0.0	11.7	0.5	8.2	0.0	24.6	0.0	3,482	148	1,580	5,210	6,053	74	5,979	(769)	1,073	1,072	1	8.9	3,544,102	
2047	0	795	0.0	11.7	0.5	8.7	0.0	24.6	0.0	3,613	148	1,580	5,341	6,046	76	5,971	(630)	1,073	1,071	2	9.0	3,685,375	
2048	0	795	0.0	11.7	0.5	9.2	0.0	24.6	0.0	3,448	148	1,602	5,197	6,038	77	5,961	(764)	1,074	1,071	2	9.1	3,512,508	
2049	0	795	(2.8)	9.0	0.0	9.2	0.0	24.6	0.0	3,311	146	1,580	5,037	5,960	67	5,894	(857)	1,071	1,070	0	8.9	3,379,552	



Exhibit F – CONFIDENTIAL Transmission Maps



-  Station
-  Service Territory

Legend

AEP Transmission Lines

-  69 kV
-  138 kV
-  345 kV
-  88 kV
-  161 kV
-  500 kV
-  115 kV
-  230 kV
-  765 kV

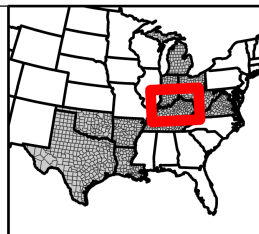


AEP East Transmission System

Transmission Line Engineering Group

Source: American Electric Power, ESRI
 Projection: VA state plane South NAD83 Feet
 Comments:

Drawn By: Matthew Lowe
 Date: 12/05/2019
 Approved By:



- Station
- Service Territory

Legend

AEP Transmission Lines

- 69 kV
- 138 kV
- 345 kV
- 88 kV
- 161 kV
- 500 kV
- 115 kV
- 230 kV
- 765 kV



Kentucky AEP Transmission Lines

Transmission Line Engineering Group

Source: American Electric Power, ESRI
 Projection: VA state plane South NAD83 Feet
 Comments:

Drawn By: Matthew Lowe
 Date: 12/05/2019
 Approved By:



Exhibit G – Supplemental Data and Details

EXHIBIT G-1

**KENTUCKY POWER COMPANY
 DETAILS OF EXISTING AND PLANNED FACILITIES
 (2020-2034)**

<u>Plant Name / Unit Number</u>	<u>Location</u>	<u>Status</u>	<u>COD^(A)</u>	<u>Type</u>	<u>ICAP^(C)</u>	<u>Entitlement</u>	<u>Fuel Storage Capacity^(D)</u>	<u>Scheduled Upgrades</u>	<u>Scheduled Deratings</u>	<u>Planned Retirement</u>
Mitchell 1	Moundsville, WV	Existing	1971	Coal	385	50%	500,000 tons	--	--	--
Mitchell 2	Moundsville, WV	Existing	1971	Coal	395	50%	500,000 tons	--	--	--
Rockport 1 ^(E)	Rockport, IN	Existing	1984	Coal	198	15%	1,100,000 tons	--	--	--
Rockport 2 ^(E)	Rockport, IN	Existing	1989	Coal	195	15%	1,100,000 tons	--	--	--
Big Sandy 1 - Gas	Louisa, KY	Existing	1963 ^(B)	Natural Gas	280	100%	N/A	--	--	2031

^(A) COD = Commercial Operation Date

^(B) Big Sandy Unit 1 entered commercial operation in 1963 as coal-fired steam unit. This unit was converted to fire on natural gas in 2016

^(C) ICAP = PJM Installed Capacity. These values represent the Company's share of each units total ICAP

^(D) Fuel storage capacities listed here represent each unit's share of the total capacity of the site, and not just the Company's share

^(E) 12/08/2022 Unit Power Agreement with KPCo ends

KENTUCKY POWER COMPANY															
<u>Projected Capital Costs per kW of Rated Capacity (\$/kW) - Nominal Dollars</u>															
(2020 - 2034)															
<u>Unit</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>	<u>2033</u>	<u>2034</u>
Wind	-	-	-	1,455	1,470	-	-	-	-	-	-	-	-	-	-
Solar Tier 1	-	-	-	1,323	1,294	-	-	-	-	-	-	1,185	-	-	-
Solar Tier 2	-	-	-	-	1,362	-	-	-	-	-	-	1,248	-	-	-

KENTUCKY POWER COMPANY															
<u>Projected Capital Costs per kW of Rated Capacity (\$/kW) - 2020 Real Dollars</u>															
(2020 - 2034)															
<u>Unit</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>	<u>2033</u>	<u>2034</u>
Wind	-	-	-	1,371	1,358	-	-	-	-	-	-	-	-	-	-
Solar Tier 1	-	-	-	1,247	1,195	-	-	-	-	-	-	953	-	-	-
Solar Tier 2	-	-	-	-	1,258	-	-	-	-	-	-	1,004	-	-	-

KENTUCKY POWER COMPANY															
<u>Projected Capital Costs (\$000) - Nominal Dollars</u>															
(2020 - 2034)															
<u>Unit</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>	<u>2033</u>	<u>2034</u>
Wind	-	-	-	145,500	147,000	-	-	-	-	-	-	-	-	-	-
Solar Tier 1	-	-	-	66,944	65,476	-	-	-	-	-	-	59,961	-	-	-
Solar Tier 2	-	-	-	-	68,917	-	-	-	-	-	-	63,149	-	-	-

KENTUCKY POWER COMPANY															
<u>Projected Capital Costs (\$000) - 2020 Real Dollars</u>															
(2020 - 2034)															
<u>Unit</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>	<u>2033</u>	<u>2034</u>
Wind	-	-	-	137,108	135,805	-	-	-	-	-	-	-	-	-	-
Solar Tier 1	-	-	-	63,083	60,490	-	-	-	-	-	-	48,224	-	-	-
Solar Tier 2	-	-	-	-	63,669	-	-	-	-	-	-	50,788	-	-	-

EXHIBIT G-7

KENTUCKY POWER COMPANY STEAM GENERATING CAPACITY Projected Non-Fuel Variable O&M (\$000) - Nominal Dollars (2020 - 2034)															
Unit	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Mitchell 1	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
Mitchell 2	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
Rockport 1	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
Rockport 2	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
Big Sandy 1 - Gas	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█

KENTUCKY POWER COMPANY STEAM GENERATING CAPACITY Projected Non-Fuel Variable O&M (\$000) - 2020 Real Dollars (2020 - 2034)															
Unit	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Mitchell 1	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
Mitchell 2	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
Rockport 1	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
Rockport 2	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
Big Sandy 1 - Gas	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█

Note: These tables show projected variable O&M costs over the planning period. Estimates of capital and O&M project costs are not provided, as the vast majority of these projects are not specified in detail over the planning period. Where applicable, costs are escalated at an estimated inflation rate of 2%

EXHIBIT G-9

KENTUCKY POWER COMPANY
Annual Internal Energy Requirements, Energy Resources and Energy Inputs
2020 - 2034

Year	Load and Energy Efficiency (GWh)			Energy Resources (GWh)							Net Energy Surplus (GWh)	Energy Inputs (By Primary Fuel Type)			
	Energy Requirements (GWh)			Generation (By Primary Fuel Type)			Renewables/Purchases				Sales/(Purchases)	Coal-fired Generation		Gas-fired Generation	
	Base Forecast Internal Energy Requirements	Energy Efficiency(A)	Adjusted Energy	Coal	Gas	Total	Utility Solar(B)	Distributed Solar	Wind	Total(C)	GWh	Tons (000)	MMBtu (000)	MCF (000)	MMBtu(000)
2020	6,060	0	6,060	5,336	465	5,801	0	0.00	0	5,801	(259)	2,381	52,382	4,496	4,608
2021	6,037	0	6,037	4,880	392	5,273	0	0.00	0	5,273	(764)	2,164	48,005	3,815	3,911
2022	6,155	(16)	6,139	5,776	323	6,099	0	0.00	0	6,099	(40)	2,559	56,730	3,144	3,222
2023	6,194	(30)	6,164	5,783	302	6,084	211	3.66	0	6,299	135	1,785	43,694	2,947	3,021
2024	6,175	(58)	6,117	5,156	302	5,458	538	5.49	0	6,002	(116)	1,651	40,412	2,949	3,022
2025	6,161	(55)	6,106	4,940	270	5,210	527	5.49	0	5,743	(363)	1,666	40,788	2,633	2,699
2026	6,145	(52)	6,093	5,302	270	5,571	527	5.49	0	6,104	11	1,724	42,198	2,644	2,710
2027	6,132	(49)	6,084	5,096	219	5,315	527	7.32	0	5,849	(234)	1,630	39,903	2,149	2,203
2028	6,121	(45)	6,076	3,550	226	3,776	538	7.32	325	4,646	(1,430)	1,144	27,995	2,213	2,269
2029	6,120	(40)	6,080	3,018	177	3,194	527	9.15	324	4,055	(2,025)	1,207	29,553	1,752	1,795
2030	6,108	(39)	6,070	2,894	164	3,058	527	10.98	648	4,245	(1,825)	1,155	28,281	1,608	1,648
2031	6,101	(48)	6,053	3,032	0	3,032	949	12.81	648	4,643	(1,410)	1,214	29,717	0	0
2032	6,092	(45)	6,048	3,125	0	3,125	968	12.82	651	4,756	(1,291)	1,250	30,591	0	0
2033	6,089	(41)	6,048	2,988	0	2,988	949	14.64	648	4,600	(1,448)	1,194	29,235	0	0
2034	6,084	(38)	6,046	3,038	0	3,038	949	16.47	648	4,652	(1,394)	1,216	29,756	0	0

^(A) Represents incremental EE and VVO.

^(B) Contracted purchased solar energy amounts

^(C) Sum of Kentucky Power generated energy, energy purchased from other utilities, and wind purchases

^(D) Sales/(Purchases) are to/from the PJM Market

EXHIBIT G-10

KENTUCKY POWER COMPANY
 DEMAND SIDE PROGRAM DETAILS
 (2020 - 2034)

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>	<u>2033</u>	<u>2034</u>
Residential Energy Efficiency Programs ^{(A)(B)(C)}															
Annual Energy Savings (GWh)	0.0	0.0	5.0	9.3	13.6	13.2	12.7	11.9	10.9	9.4	10.9	10.7	9.6	7.4	6.4
Peak Demand Savings (MW)	0.0	0.0	0.3	0.5	0.7	0.7	0.7	0.7	0.6	0.5	1.2	1.5	1.7	1.4	1.3
Cost (\$000) ^(D)	0	0	289	275	308	74	70	66	60	54	815	576	537	0	222
Project Cost of Generation Savings (\$000)	0	0	146	282	431	433	426	415	475	413	493	497	459	361	321
Commercial Energy Efficiency Programs ^{(A)(E)(F)}															
Annual Energy Savings (GWh)	0	0	11.0	20.2	28.1	25.8	23.1	20.3	17.4	14.0	11.2	8.3	6.0	4.1	2.5
Peak Demand Savings (MW)	0	0	2	4	5	5	4	4	3	3	2	1	1	1	0
Cost (\$000) ^(D)	0	0	923	873	909	116	110	103	94	85	0	0	0	0	0
Project Cost of Generation Savings (\$000)	0	0	331	633	921	871	805	734	783	636	517	391	289	200	127
Volt-Var Optimization ^(G)															
Annual Energy Savings (GWh)	0	0	0	0	16	16	16	16	16	16	16	29	29	29	29.1
Peak Demand Savings (MW)	0	0	0	0	4	4	4	4	4	4	4	8	8	8	7.6
Cost (\$000) ^(H)	0	0	0	0	685	685	685	685	685	685	685	1,499	1,499	1,499	1,499
Project Cost of Generation Savings (\$000)	0	0	0	0	549	567	584	607	757	760	776	1,393	1,431	1,458	1,497

^(A) Includes only incremental EE programs

^(B) Includes the following bundles, listed here as "Name (End-Use)": Appliances (Appliances), Lighting (Lighting), Thermal Shell (Heating & Cooling), Water Heating (Water Heating)

^(C) Program lives range from 10-28 years. See Section 4.4.3.1 of report for details

^(D) One-time costs associated with programs install in that particular year

^(E) Includes the following bundles, listed here as "Name (End-Use)": Cooling (Cooling) , Equipment (Refrigeration, Ventilation), Interior Lighting (Interior Lighting)

^(F) Program lives range from 13-20 years. See Section 4.4.3.1 of report for details

^(G) Program life is 15 years

^(H) Annual cost of program

EXHIBIT G-11

KENTUCKY POWER COMPANY RESOURCE CAPACITY PJM MW RATINGS^(A) (2020-2034)															
	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>	<u>2033</u>	<u>2034</u>
ICAP ^(B)															
Coal	1,172	1,172	1,172	780	780	780	780	780	780	780	780	780	780	780	780
Gas-Steam ^(C)	280	280	280	280	280	280	280	280	280	280	280	0	0	0	0
Solar	0	0	20	20	20	20	20	20	20	20	20	20	20	20	20
Total ICAP	1,452	1,452	1,452	1,060	1,060	1,060	1,060	1,060	1,060	1,060	1,060	780	780	780	780
EFORd ^(D)	6.040%	6.010%	5.900%	5.900%	5.900%	5.900%	5.900%	5.900%	5.900%	5.900%	5.900%	5.900%	5.900%	5.900%	5.900%
UCAP															
Coal	1,040	1,040	663	663	663	663	663	663	663	663	663	663	663	663	663
Gas-Steam	262	262	262	262	262	262	262	262	262	262	262	0	0	0	0
Solar	0	0	10	10	10	10	10	10	10	10	10	10	10	10	10
Purchases															
Existing EE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing DR	0	0	0	6	6	6	6	6	6	6	6	6	6	6	6
Total UCAP Resources	1,302	1,302	1,302	935	941	941	941	941	941	941	941	941	679	679	679
Peak Load	978	983	989	989	986	984	981	980	979	979	978	978	978	978	979
FPR ^(E)	1.089	1.088	1.089	1.089	1.089	1.089	1.089	1.089	1.089	1.089	1.089	1.089	1.089	1.089	1.089
Total Obligation	1,066	1,070	1,076	1,077	1,074	1,071	1,068	1,067	1,066	1,066	1,065	1,065	1,065	1,065	1,066
Net Capacity Position before Additions^(F)	236	232	-141	-141	-138	-136	-133	-132	-131	-131	-130	-392	-392	-392	-392
Reserve Margin before Additions^(F)	22%	22%	-13%	-13%	-13%	-13%	-12%	-12%	-12%	-12%	-12%	-37%	-37%	-37%	-37%
Incremental Resources (Firm)															
Large Scale Solar (Firm)	0	0	52	129	129	129	129	129	129	129	233	233	233	233	233
Wind (Firm)	0	0	0	0	0	0	0	0	12	12	25	25	25	25	25
Battery Storage	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New EE	0	0	2	4	6	5	5	4	4	3	3	3	3	2	2
CHP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VVO	0	0	0	0	4	4	4	4	4	4	4	8	8	8	8
New DG	0.0	0.0	0.0	1.0	1.5	1.5	1.5	2.0	2.0	2.6	3.1	3.6	3.6	4.1	4.6
New STMP	0	0	150	100	0	0	0	0	0	0	0	0	0	0	0
Total Incremental Resources	0.0	0.0	54.0	134.4	140.8	140.4	139.9	139.9	151.6	151.4	267.8	271.4	271.2	271.1	271
Net Capacity Position with Additions^(F)	236	232	11	15	2	5	7	8	21	21	34	2	1	1	1
Reserve Margin with Additions^(F)	22%	22%	1%	1%	0%	0%	1%	1%	2%	2%	3%	0%	0%	0%	0%

^(A) Net Capacity Positions are shown in terms of PJM capacities or UCAP values, where UCAP = Unforced Capacity

^(B) ICAP = Installed Capacity

^(C) The retirement of the gas-steam Big Sandy Unit 1 in 2031 is the Company's only planned unit retirement during the planning period

^(D) EFORd = Equivalent Demand Forced Outage Rate

^(E) FPR = Forecast Pool Requirement

^(F) Net Capacity Positions and Reserve Margins shown represent the Company's position and margin above the obligation which accounts for PJM's FPR. PJM's FPR accounts for PJM's Installed Reserve Margin (IRM). See Section 3.1 of the Report for more details

EXHIBIT G-12

KENTUCKY POWER COMPANY															
ANNUAL REVENUE REQUIREMENTS OF PREFERRED PLAN (\$000s)															
(2020 - 2034)															
	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>	<u>2033</u>	<u>2034</u>
Revenue Requirement (Nominal \$)	\$235,980	\$259,394	\$265,301	\$246,226	\$249,139	\$247,734	\$246,545	\$254,291	\$322,557	\$324,659	\$327,346	\$361,701	\$363,058	\$367,210	\$372,938
Revenue Requirement (\$2020)	\$235,980	\$254,307	\$254,999	\$232,024	\$230,166	\$224,380	\$218,925	\$221,376	\$275,300	\$271,660	\$268,538	\$290,903	\$286,269	\$283,865	\$282,640
Present Value of Revenue Requirements (\$000s) = \$4,693,977 ^(A)															
Discount Rate = 7.13%															

(A) Includes costs and revenues through end of modeling period, 2049, and includes end effects



Exhibit H – Load Forecast Model Details and Input Data

EXHIBIT H

SHORT-TERM CUSTOMERS

Kentucky Power Company
Customer Models

Revcls-Revenue Class

1-Residential

2-Commercial

3.1 Small Industrial

3.15 Small Mine Power

3.2 Large

Industrial

3.25 Large Mine Power

3.4 Other Retail

Cust-Number of Customers

Time-Time

com1, com1slope, com2, com3, com3slope, com4 ind1, or1,
or2, or3, or4, or5, or6

(Binary Variables)

days=Billing Days

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	DAYS	com1	com1slope	com2
KPC	1	2008		1	1/1/2008	144825	32.802134	0	0
KPC	1	2008		2	2/1/2008	144690	29.245553	0	0
KPC	1	2008		3	3/1/2008	144365	29.092019	0	0
KPC	1	2008		4	4/1/2008	143988	30.453615	0	0
KPC	1	2008		5	5/1/2008	143799	29.057323	0	0
KPC	1	2008		6	6/1/2008	143710	30.478839	0	0
KPC	1	2008		7	7/1/2008	143789	30.129918	0	0
KPC	1	2008		8	8/1/2008	143832	29.611158	0	0
KPC	1	2008		9	9/1/2008	143855	30.111825	0	0
KPC	1	2008		10	10/1/2008	143884	29.357639	0	0
KPC	1	2008		11	11/1/2008	144121	29.118389	0	0
KPC	1	2008		12	12/1/2008	144407	31.773305	0	0
KPC	1	2009		1	1/1/2009	144472	33.239475	0	0
KPC	1	2009		2	2/1/2009	144302	29.856359	0	0
KPC	1	2009		3	3/1/2009	144126	28.64819	0	0
KPC	1	2009		4	4/1/2009	143754	30.062506	0	0
KPC	1	2009		5	5/1/2009	143405	29.843519	0	0
KPC	1	2009		6	6/1/2009	143404	30.398169	0	0
KPC	1	2009		7	7/1/2009	143215	30.153599	0	0
KPC	1	2009		8	8/1/2009	143272	29.365785	0	0
KPC	1	2009		9	9/1/2009	143258	29.813063	0	0
KPC	1	2009		10	10/1/2009	143276	29.766848	0	0
KPC	1	2009		11	11/1/2009	143420	29.191631	0	0
KPC	1	2009		12	12/1/2009	143633	32.201208	0	0
KPC	1	2010		1	1/1/2010	143805	33.096639	0	0
KPC	1	2010		2	2/1/2010	143788	29.055925	0	0
KPC	1	2010		3	3/1/2010	143618	29.338526	0	0
KPC	1	2010		4	4/1/2010	143153	30.333926	0	0
KPC	1	2010		5	5/1/2010	142803	29.276308	0	0
KPC	1	2010		6	6/1/2010	142743	30.399238	0	0
KPC	1	2010		7	7/1/2010	142667	30.310199	0	0
KPC	1	2010		8	8/1/2010	142742	29.539852	0	0
KPC	1	2010		9	9/1/2010	142470	29.877265	0	0
KPC	1	2010		10	10/1/2010	142457	29.762454	0	0
KPC	1	2010		11	11/1/2010	142699	28.99161	0	0
KPC	1	2010		12	12/1/2010	142708	32.562892	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	DAYS	com1	com1slope	com2
KPC	1	2011		1	1/1/2011	143185	32.756711	0	0
KPC	1	2011		2	2/1/2011	142735	29.046205	0	0
KPC	1	2011		3	3/1/2011	142867	29.155789	0	0
KPC	1	2011		4	4/1/2011	142173	29.449093	0	0
KPC	1	2011		5	5/1/2011	141679	30.516986	0	0
KPC	1	2011		6	6/1/2011	141463	30.222164	0	0
KPC	1	2011		7	7/1/2011	141398	30.263667	0	0
KPC	1	2011		8	8/1/2011	141531	29.531493	0	0
KPC	1	2011		9	9/1/2011	141286	29.966091	0	0
KPC	1	2011		10	10/1/2011	141180	29.689155	0	0
KPC	1	2011		11	11/1/2011	141320	29.193672	0	0
KPC	1	2011		12	12/1/2011	141500	32.122274	0	0
KPC	1	2012		1	1/1/2012	141565	32.519928	0	0
KPC	1	2012		2	2/1/2012	141707	29.751772	0	0
KPC	1	2012		3	3/1/2012	141335	29.037245	0	0
KPC	1	2012		4	4/1/2012	140895	29.948996	0	0
KPC	1	2012		5	5/1/2012	140790	29.798453	0	0
KPC	1	2012		6	6/1/2012	140611	30.557565	0	0
KPC	1	2012		7	7/1/2012	140697	30.650006	0	0
KPC	1	2012		8	8/1/2012	140645	28.970896	0	0
KPC	1	2012		9	9/1/2012	140641	30.453338	0	0
KPC	1	2012		10	10/1/2012	140571	29.376918	0	0
KPC	1	2012		11	11/1/2012	140781	29.352296	0	0
KPC	1	2012		12	12/1/2012	140909	31.916661	0	0
KPC	1	2013		1	1/1/2013	141093	32.668107	0	0
KPC	1	2013		2	2/1/2013	140913	29.116905	0	0
KPC	1	2013		3	3/1/2013	140755	29.283541	0	0
KPC	1	2013		4	4/1/2013	140501	30.492191	0	0
KPC	1	2013		5	5/1/2013	140166	29.428222	0	0
KPC	1	2013		6	6/1/2013	139896	30.494045	0	0
KPC	1	2013		7	7/1/2013	139651	30.078922	0	0
KPC	1	2013		8	8/1/2013	139694	29.325902	0	0
KPC	1	2013		9	9/1/2013	139623	29.921653	0	0
KPC	1	2013		10	10/1/2013	139665	29.640822	0	0
KPC	1	2013		11	11/1/2013	139889	29.080992	0	0
KPC	1	2013		12	12/1/2013	140119	32.110882	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	DAYS	com1	com1slope	com2
KPC	1	2014	1	1	1/1/2014	140271	33.289235	0	0
KPC	1	2014	2	2	2/1/2014	140091	29.039823	0	0
KPC	1	2014	3	3	3/1/2014	139931	29.338343	0	0
KPC	1	2014	4	4	4/1/2014	139255	29.249018	0	0
KPC	1	2014	5	5	5/1/2014	138875	30.512845	0	0
KPC	1	2014	6	6	6/1/2014	138595	30.309769	0	0
KPC	1	2014	7	7	7/1/2014	138447	29.829282	0	0
KPC	1	2014	8	8	8/1/2014	138262	29.582212	0	0
KPC	1	2014	9	9	9/1/2014	138304	30.205215	0	0
KPC	1	2014	10	10	10/1/2014	138245	29.196141	0	0
KPC	1	2014	11	11	11/1/2014	138492	29.163542	0	0
KPC	1	2014	12	12	12/1/2014	138726	32.061017	0	0
KPC	1	2015	1	1	1/1/2015	138726	32.979731	0	0
KPC	1	2015	2	2	2/1/2015	138781	29.438414	0	0
KPC	1	2015	3	3	3/1/2015	138747	29.421737	0	0
KPC	1	2015	4	4	4/1/2015	138064	30.437402	0	0
KPC	1	2015	5	5	5/1/2015	137608	29.365213	0	0
KPC	1	2015	6	6	6/1/2015	137535	30.349206	0	0
KPC	1	2015	7	7	7/1/2015	137529	30.358929	0	0
KPC	1	2015	8	8	8/1/2015	137572	28.796333	0	0
KPC	1	2015	9	9	9/1/2015	137565	29.988807	0	0
KPC	1	2015	10	10	10/1/2015	137600	29.730224	0	0
KPC	1	2015	11	11	11/1/2015	137679	28.951317	0	0
KPC	1	2015	12	12	12/1/2015	137921	32.100594	0	0
KPC	1	2016	1	1	1/1/2016	138019	33.071871	0	0
KPC	1	2016	2	2	2/1/2016	137998	29.080391	0	0
KPC	1	2016	3	3	3/1/2016	137583	29.272598	0	0
KPC	1	2016	4	4	4/1/2016	137293	30.480454	0	0
KPC	1	2016	5	5	5/1/2016	136978	29.113974	0	0
KPC	1	2016	6	6	6/1/2016	136721	30.300551	0	0
KPC	1	2016	7	7	7/1/2016	136599	30.343974	0	0
KPC	1	2016	8	8	8/1/2016	136648	29.338391	0	0
KPC	1	2016	9	9	9/1/2016	136648	30.195792	0	0
KPC	1	2016	10	10	10/1/2016	136374	29.648419	0	0
KPC	1	2016	11	11	11/1/2016	136515	28.87031	0	0
KPC	1	2016	12	12	12/1/2016	136781	32.255857	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	DAYS	com1	com1slope	com2
KPC	1	2017		1	1/1/2017	136765	32.899349	0	0
KPC	1	2017		2	2/1/2017	136518	29.507786	0	0
KPC	1	2017		3	3/1/2017	136448	29.086685	0	0
KPC	1	2017		4	4/1/2017	135938	29.245921	0	0
KPC	1	2017		5	5/1/2017	135791	28.814314	0	0
KPC	1	2017		6	6/1/2017	135598	30.276346	0	0
KPC	1	2017		7	7/1/2017	135504	30.453072	0	0
KPC	1	2017		8	8/1/2017	135490	29.367378	0	0
KPC	1	2017		9	9/1/2017	135656	30.21819	0	0
KPC	1	2017		10	10/1/2017	135477	29.471086	0	0
KPC	1	2017		11	11/1/2017	135707	29.238222	0	0
KPC	1	2017		12	12/1/2017	135787	32.186855	0	0
KPC	1	2018		1	1/1/2018	135937	32.77817	0	0
KPC	1	2018		2	2/1/2018	135751	29.547906	0	0
KPC	1	2018		3	3/1/2018	135425	29.077959	0	0
KPC	1	2018		4	4/1/2018	135126	30.679019	0	0
KPC	1	2018		5	5/1/2018	134809	29.104875	0	0
KPC	1	2018		6	6/1/2018	134573	31.02664	0	0
KPC	1	2018		7	7/1/2018	134735	30.18129	0	0
KPC	1	2018		8	8/1/2018	134612	29.381442	0	0
KPC	1	2018		9	9/1/2018	134697	30.137836	0	0
KPC	1	2018		10	10/1/2018	134451	29.16059	0	0
KPC	1	2018		11	11/1/2018	134642	29.532976	0	0
KPC	1	2018		12	12/1/2018	134748	31.672495	0	0
KPC	1	2019		1	1/1/2019			0	0
KPC	1	2019		2	2/1/2019			0	0
KPC	1	2019		3	3/1/2019			0	0
KPC	1	2019		4	4/1/2019			0	0
KPC	1	2019		5	5/1/2019			0	0
KPC	1	2019		6	6/1/2019			0	0
KPC	1	2019		7	7/1/2019			0	0
KPC	1	2019		8	8/1/2019			0	0
KPC	1	2019		9	9/1/2019			0	0
KPC	1	2019		10	10/1/2019			0	0
KPC	1	2019		11	11/1/2019			0	0
KPC	1	2019		12	12/1/2019			0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	DAYS	com1	com1slope	com2
KPC	1	2020	1	1	1/1/2020			0	0
KPC	1	2020	2	2	2/1/2020			0	0
KPC	1	2020	3	3	3/1/2020			0	0
KPC	1	2020	4	4	4/1/2020			0	0
KPC	1	2020	5	5	5/1/2020			0	0
KPC	1	2020	6	6	6/1/2020			0	0
KPC	1	2020	7	7	7/1/2020			0	0
KPC	1	2020	8	8	8/1/2020			0	0
KPC	1	2020	9	9	9/1/2020			0	0
KPC	1	2020	10	10	10/1/2020			0	0
KPC	1	2020	11	11	11/1/2020			0	0
KPC	1	2020	12	12	12/1/2020			0	0
KPC	1	2021	1	1	1/1/2021			0	0
KPC	1	2021	2	2	2/1/2021			0	0
KPC	1	2021	3	3	3/1/2021			0	0
KPC	1	2021	4	4	4/1/2021			0	0
KPC	1	2021	5	5	5/1/2021			0	0
KPC	1	2021	6	6	6/1/2021			0	0
KPC	1	2021	7	7	7/1/2021			0	0
KPC	1	2021	8	8	8/1/2021			0	0
KPC	1	2021	9	9	9/1/2021			0	0
KPC	1	2021	10	10	10/1/2021			0	0
KPC	1	2021	11	11	11/1/2021			0	0
KPC	1	2021	12	12	12/1/2021			0	0
KPC	2	2008	1	1	1/1/2008	29969	33.064073	0	0
KPC	2	2008	2	2	2/1/2008	29955	29.362591	0	0
KPC	2	2008	3	3	3/1/2008	29975	29.480521	0	0
KPC	2	2008	4	4	4/1/2008	30023	30.336435	0	0
KPC	2	2008	5	5	5/1/2008	30069	29.310062	0	0
KPC	2	2008	6	6	6/1/2008	30080	30.758321	0	0
KPC	2	2008	7	7	7/1/2008	29341	30.348043	1	17714
KPC	2	2008	8	8	8/1/2008	29387	29.82657	1	17745
KPC	2	2008	9	9	9/1/2008	29479	30.369984	1	17776
KPC	2	2008	10	10	10/1/2008	29482	29.42098	1	17806
KPC	2	2008	11	11	11/1/2008	29453	29.535084	1	17837
KPC	2	2008	12	12	12/1/2008	29540	32.103501	1	17867

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JURIS	revcls	YEAR	MONTH	time	CUST	DAYS	com1	com2
KPC	2	2009		1	1/1/2009	29552	33.337425	17898
KPC	2	2009		2	2/1/2009	29486	29.837974	17929
KPC	2	2009		3	3/1/2009	29604	28.943998	17957
KPC	2	2009		4	4/1/2009	29479	30.281005	17988
KPC	2	2009		5	5/1/2009	29457	30.060424	18018
KPC	2	2009		6	6/1/2009	29567	30.521843	18049
KPC	2	2009		7	7/1/2009	29524	30.420878	18079
KPC	2	2009		8	8/1/2009	29559	29.725899	18110
KPC	2	2009		9	9/1/2009	29581	30.072235	18141
KPC	2	2009		10	10/1/2009	29614	29.94246	18171
KPC	2	2009		11	11/1/2009	29595	29.378044	18202
KPC	2	2009		12	12/1/2009	29635	32.564181	18232
KPC	2	2010		1	1/1/2010	29670	33.064378	18263
KPC	2	2010		2	2/1/2010	29652	29.203352	18294
KPC	2	2010		3	3/1/2010	29669	29.32842	18322
KPC	2	2010		4	4/1/2010	29699	30.82687	18353
KPC	2	2010		5	5/1/2010	29710	29.402097	18383
KPC	2	2010		6	6/1/2010	29863	30.816943	18414
KPC	2	2010		7	7/1/2010	29814	30.465737	18444
KPC	2	2010		8	8/1/2010	29867	29.692713	18475
KPC	2	2010		9	9/1/2010	29864	30.261952	18506
KPC	2	2010		10	10/1/2010	29878	29.764512	18536
KPC	2	2010		11	11/1/2010	29971	29.33453	18567
KPC	2	2010		12	12/1/2010	29828	32.586419	18597
KPC	2	2011		1	1/1/2011	30017	32.887224	18628
KPC	2	2011		2	2/1/2011	29782	29.415331	18659
KPC	2	2011		3	3/1/2011	29964	29.445752	18687
KPC	2	2011		4	4/1/2011	29852	29.71786	18718
KPC	2	2011		5	5/1/2011	29900	30.596815	18748
KPC	2	2011		6	6/1/2011	29936	30.510567	18779
KPC	2	2011		7	7/1/2011	29908	30.590354	18809
KPC	2	2011		8	8/1/2011	30057	29.530994	18840
KPC	2	2011		9	9/1/2011	30031	30.321985	18871
KPC	2	2011		10	10/1/2011	30047	29.90229	18901
KPC	2	2011		11	11/1/2011	30046	29.466087	18932
KPC	2	2011		12	12/1/2011	30032	32.393904	18962

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 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	DAYS	com1	com1slope	com2
KPC	2	2012		1	1/1/2012	30029	32.66231	1	18993
KPC	2	2012		2	2/1/2012	29991	29.894881	1	19024
KPC	2	2012		3	3/1/2012	29891	29.291783	1	19053
KPC	2	2012		4	4/1/2012	29979	30.064953	1	19084
KPC	2	2012		5	5/1/2012	30000	30.073459	1	19114
KPC	2	2012		6	6/1/2012	30057	30.679688	1	19145
KPC	2	2012		7	7/1/2012	30096	30.958622	1	19175
KPC	2	2012		8	8/1/2012	30111	29.196122	1	19206
KPC	2	2012		9	9/1/2012	30146	30.612808	1	19237
KPC	2	2012		10	10/1/2012	30087	29.458248	1	19267
KPC	2	2012		11	11/1/2012	30157	29.727467	1	19298
KPC	2	2012		12	12/1/2012	30165	32.082937	1	19328
KPC	2	2013		1	1/1/2013	30181	32.6433	1	19359
KPC	2	2013		2	2/1/2013	30147	29.497423	1	19390
KPC	2	2013		3	3/1/2013	30078	29.562264	1	19418
KPC	2	2013		4	4/1/2013	30102	30.433507	1	19449
KPC	2	2013		5	5/1/2013	30159	29.902702	1	19479
KPC	2	2013		6	6/1/2013	30190	30.63422	1	19510
KPC	2	2013		7	7/1/2013	30215	30.14178	1	19540
KPC	2	2013		8	8/1/2013	30252	29.68362	1	19571
KPC	2	2013		9	9/1/2013	30824	30.191763	1	19602
KPC	2	2013		10	10/1/2013	30381	29.675436	1	19632
KPC	2	2013		11	11/1/2013	30296	29.468905	1	19663
KPC	2	2013		12	12/1/2013	30359	32.589772	1	19693
KPC	2	2014		1	1/1/2014	30419	33.157825	1	19724
KPC	2	2014		2	2/1/2014	30347	29.355952	1	19755
KPC	2	2014		3	3/1/2014	30382	29.451714	1	19783
KPC	2	2014		4	4/1/2014	30320	29.661766	1	19814
KPC	2	2014		5	5/1/2014	30342	30.739798	1	19844
KPC	2	2014		6	6/1/2014	30337	30.382257	1	19875
KPC	2	2014		7	7/1/2014	30388	30.432992	1	19905
KPC	2	2014		8	8/1/2014	30373	29.737764	1	19936
KPC	2	2014		9	9/1/2014	30463	30.402482	1	19967
KPC	2	2014		10	10/1/2014	30448	29.313348	1	19997
KPC	2	2014		11	11/1/2014	30411	29.57417	1	20028
KPC	2	2014		12	12/1/2014	30412	32.440072	1	20058

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 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	DAYS	com1	com1slope	com2
KPC	2	2015		1	1/1/2015	30428	33.141742	1	20089
KPC	2	2015		2	2/1/2015	30401	29.605447	1	20120
KPC	2	2015		3	3/1/2015	30457	29.623149	1	20148
KPC	2	2015		4	4/1/2015	30405	30.65856	1	20179
KPC	2	2015		5	5/1/2015	30390	29.740211	1	20209
KPC	2	2015		6	6/1/2015	30504	30.311812	1	20240
KPC	2	2015		7	7/1/2015	30611	29.972009	1	20270
KPC	2	2015		8	8/1/2015	30595	28.753357	1	20301
KPC	2	2015		9	9/1/2015	30499	30.23028	1	20332
KPC	2	2015		10	10/1/2015	30444	29.874475	1	20362
KPC	2	2015		11	11/1/2015	30370	29.318429	1	20393
KPC	2	2015		12	12/1/2015	30397	32.14831	1	20423
KPC	2	2016		1	1/1/2016	30328	33.207379	1	20454
KPC	2	2016		2	2/1/2016	30339	29.294037	1	20485
KPC	2	2016		3	3/1/2016	30261	29.618098	1	20514
KPC	2	2016		4	4/1/2016	30243	30.646726	1	20545
KPC	2	2016		5	5/1/2016	30252	29.269724	1	20575
KPC	2	2016		6	6/1/2016	30305	30.701041	1	20606
KPC	2	2016		7	7/1/2016	30300	30.557723	1	20636
KPC	2	2016		8	8/1/2016	30322	29.472826	1	20667
KPC	2	2016		9	9/1/2016	30365	30.580082	1	20698
KPC	2	2016		10	10/1/2016	30315	29.839681	1	20728
KPC	2	2016		11	11/1/2016	30237	29.420922	1	20759
KPC	2	2016		12	12/1/2016	30243	32.423218	1	20789
KPC	2	2017		1	1/1/2017	30198	32.899642	1	20820
KPC	2	2017		2	2/1/2017	30147	29.732789	1	20851
KPC	2	2017		3	3/1/2017	30188	29.378625	1	20879
KPC	2	2017		4	4/1/2017	30137	29.260609	1	20910
KPC	2	2017		5	5/1/2017	30213	29.188946	1	20940
KPC	2	2017		6	6/1/2017	30221	30.66931	1	20971
KPC	2	2017		7	7/1/2017	30272	30.747765	1	21001
KPC	2	2017		8	8/1/2017	30232	29.494368	1	21032
KPC	2	2017		9	9/1/2017	30249	30.305688	1	21063
KPC	2	2017		10	10/1/2017	30221	29.796668	1	21093
KPC	2	2017		11	11/1/2017	30230	29.705527	1	21124
KPC	2	2017		12	12/1/2017	30209	32.251108	1	21154

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 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	DAYS	com1	com1slope	com2
KPC	2	2018		1	1/1/2018	30281	32.759215	1	21185
KPC	2	2018		2	2/1/2018	30154	29.653117	1	21216
KPC	2	2018		3	3/1/2018	30095	29.382036	1	21244
KPC	2	2018		4	4/1/2018	30101	30.710928	1	21275
KPC	2	2018		5	5/1/2018	30151	29.364156	1	21305
KPC	2	2018		6	6/1/2018	30149	31.316081	1	21336
KPC	2	2018		7	7/1/2018	30200	30.481695	1	21366
KPC	2	2018		8	8/1/2018	30239	29.18661	1	21397
KPC	2	2018		9	9/1/2018	30221	30.284593	1	21428
KPC	2	2018		10	10/1/2018	30141	29.50428	1	21458
KPC	2	2018		11	11/1/2018	30132	29.93558	1	21489
KPC	2	2018		12	12/1/2018	30027	31.850418	1	21519
KPC	2	2019		1	1/1/2019			1	21550
KPC	2	2019		2	2/1/2019			1	21581
KPC	2	2019		3	3/1/2019			1	21609
KPC	2	2019		4	4/1/2019			1	21640
KPC	2	2019		5	5/1/2019			1	21670
KPC	2	2019		6	6/1/2019			1	21701
KPC	2	2019		7	7/1/2019			1	21731
KPC	2	2019		8	8/1/2019			1	21762
KPC	2	2019		9	9/1/2019			1	21793
KPC	2	2019		10	10/1/2019			1	21823
KPC	2	2019		11	11/1/2019			1	21854
KPC	2	2019		12	12/1/2019			1	21884
KPC	2	2020		1	1/1/2020			1	21915
KPC	2	2020		2	2/1/2020			1	21946
KPC	2	2020		3	3/1/2020			1	21975
KPC	2	2020		4	4/1/2020			1	22006
KPC	2	2020		5	5/1/2020			1	22036
KPC	2	2020		6	6/1/2020			1	22067
KPC	2	2020		7	7/1/2020			1	22097
KPC	2	2020		8	8/1/2020			1	22128
KPC	2	2020		9	9/1/2020			1	22159
KPC	2	2020		10	10/1/2020			1	22189
KPC	2	2020		11	11/1/2020			1	22220
KPC	2	2020		12	12/1/2020			1	22250

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 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	DAYS	com1	com1slope	com2
KPC	2	2021		1	1/1/2021			1	22281
KPC	2	2021		2	2/1/2021			1	22312
KPC	2	2021		3	3/1/2021			1	22340
KPC	2	2021		4	4/1/2021			1	22371
KPC	2	2021		5	5/1/2021			1	22401
KPC	2	2021		6	6/1/2021			1	22432
KPC	2	2021		7	7/1/2021			1	22462
KPC	2	2021		8	8/1/2021			1	22493
KPC	2	2021		9	9/1/2021			1	22524
KPC	2	2021		10	10/1/2021			1	22554
KPC	2	2021		11	11/1/2021			1	22585
KPC	2	2021		12	12/1/2021			1	22615
KPC	3.1	2008		1	1/1/2008	938	31.271906	0	0
KPC	3.1	2008		2	2/1/2008	941	29.390879	0	0
KPC	3.1	2008		3	3/1/2008	953	29.940874	0	0
KPC	3.1	2008		4	4/1/2008	948	30.698118	0	0
KPC	3.1	2008		5	5/1/2008	949	30.514847	0	0
KPC	3.1	2008		6	6/1/2008	957	30.333354	0	0
KPC	3.1	2008		7	7/1/2008	957	30.674908	0	0
KPC	3.1	2008		8	8/1/2008	951	29.807581	0	0
KPC	3.1	2008		9	9/1/2008	966	30.446807	0	0
KPC	3.1	2008		10	10/1/2008	972	30.355945	0	0
KPC	3.1	2008		11	11/1/2008	969	30.27273	0	0
KPC	3.1	2008		12	12/1/2008	969	31.115851	0	0
KPC	3.1	2009		1	1/1/2009	973	31.192118	0	0
KPC	3.1	2009		2	2/1/2009	971	29.715922	0	0
KPC	3.1	2009		3	3/1/2009	973	30.077617	0	0
KPC	3.1	2009		4	4/1/2009	976	30.904843	0	0
KPC	3.1	2009		5	5/1/2009	969	29.707794	0	0
KPC	3.1	2009		6	6/1/2009	978	30.551975	0	0
KPC	3.1	2009		7	7/1/2009	967	31.241473	0	0
KPC	3.1	2009		8	8/1/2009	973	30.642322	0	0
KPC	3.1	2009		9	9/1/2009	967	29.977006	0	0
KPC	3.1	2009		10	10/1/2009	968	30.487187	0	0
KPC	3.1	2009		11	11/1/2009	970	29.262971	0	0
KPC	3.1	2009		12	12/1/2009	972	32.336588	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	DAYS	com1	com1slope	com2
KPC	3.1	2010		1	1/1/2010	971	31.563764	0	0
KPC	3.1	2010		2	2/1/2010	969	29.056393	0	0
KPC	3.1	2010		3	3/1/2010	982	29.679025	0	0
KPC	3.1	2010		4	4/1/2010	972	30.068986	0	0
KPC	3.1	2010		5	5/1/2010	971	29.212177	0	0
KPC	3.1	2010		6	6/1/2010	985	30.681912	0	0
KPC	3.1	2010		7	7/1/2010	971	30.696385	0	0
KPC	3.1	2010		8	8/1/2010	970	30.32272	0	0
KPC	3.1	2010		9	9/1/2010	966	30.249581	0	0
KPC	3.1	2010		10	10/1/2010	958	30.243072	0	0
KPC	3.1	2010		11	11/1/2010	963	30.338541	0	0
KPC	3.1	2010		12	12/1/2010	952	31.522032	0	0
KPC	3.1	2011		1	1/1/2011	957	30.644655	0	0
KPC	3.1	2011		2	2/1/2011	957	29.497871	0	0
KPC	3.1	2011		3	3/1/2011	964	28.561455	0	0
KPC	3.1	2011		4	4/1/2011	958	30.464169	0	0
KPC	3.1	2011		5	5/1/2011	956	29.837594	0	0
KPC	3.1	2011		6	6/1/2011	954	31.05698	0	0
KPC	3.1	2011		7	7/1/2011	950	30.707979	0	0
KPC	3.1	2011		8	8/1/2011	947	30.190084	0	0
KPC	3.1	2011		9	9/1/2011	950	30.526314	0	0
KPC	3.1	2011		10	10/1/2011	948	29.951856	0	0
KPC	3.1	2011		11	11/1/2011	949	30.44695	0	0
KPC	3.1	2011		12	12/1/2011	948	31.626342	0	0
KPC	3.1	2012		1	1/1/2012	944	32.341845	0	0
KPC	3.1	2012		2	2/1/2012	944	29.866047	0	0
KPC	3.1	2012		3	3/1/2012	947	29.718989	0	0
KPC	3.1	2012		4	4/1/2012	945	30.436704	0	0
KPC	3.1	2012		5	5/1/2012	942	30.639494	0	0
KPC	3.1	2012		6	6/1/2012	940	30.132886	0	0
KPC	3.1	2012		7	7/1/2012	942	30.975673	0	0
KPC	3.1	2012		8	8/1/2012	954	30.239458	0	0
KPC	3.1	2012		9	9/1/2012	953	29.343202	0	0
KPC	3.1	2012		10	10/1/2012	946	29.7	0	0
KPC	3.1	2012		11	11/1/2012	941	30	0	0
KPC	3.1	2012		12	12/1/2012	948	31	0	0

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 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	DAYS	com1	com1slope	com2
KPC	3.1	2013		1	1/1/2013	934	31	0	0
KPC	3.1	2013		2	2/1/2013	945	29.241475	0	0
KPC	3.1	2013		3	3/1/2013	936	30.180713	0	0
KPC	3.1	2013		4	4/1/2013	934	30.270248	0	0
KPC	3.1	2013		5	5/1/2013	931	30.612495	0	0
KPC	3.1	2013		6	6/1/2013	933	30.322616	0	0
KPC	3.1	2013		7	7/1/2013	926	30.652897	0	0
KPC	3.1	2013		8	8/1/2013	929	30.571829	0	0
KPC	3.1	2013		9	9/1/2013	934	30.149798	0	0
KPC	3.1	2013		10	10/1/2013	929	30.498925	0	0
KPC	3.1	2013		11	11/1/2013	927	31.389475	0	0
KPC	3.1	2013		12	12/1/2013	928	32.716477	0	0
KPC	3.1	2014		1	1/1/2014	930	31.386635	0	0
KPC	3.1	2014		2	2/1/2014	931	28.332394	0	0
KPC	3.1	2014		3	3/1/2014	933	30.417507	0	0
KPC	3.1	2014		4	4/1/2014	931	30.217648	0	0
KPC	3.1	2014		5	5/1/2014	933	30.460951	0	0
KPC	3.1	2014		6	6/1/2014	931	30.509092	0	0
KPC	3.1	2014		7	7/1/2014	931	30.660514	0	0
KPC	3.1	2014		8	8/1/2014	936	30.291167	0	0
KPC	3.1	2014		9	9/1/2014	934	30.413669	0	0
KPC	3.1	2014		10	10/1/2014	933	30.54933	0	0
KPC	3.1	2014		11	11/1/2014	929	29.458552	0	0
KPC	3.1	2014		12	12/1/2014	928	30.803035	0	0
KPC	3.1	2015		1	1/1/2015	929	32.655344	0	0
KPC	3.1	2015		2	2/1/2015	922	29.191751	0	0
KPC	3.1	2015		3	3/1/2015	931	30.682162	0	0
KPC	3.1	2015		4	4/1/2015	930	30.26429	0	0
KPC	3.1	2015		5	5/1/2015	924	30.558287	0	0
KPC	3.1	2015		6	6/1/2015	930	30.768777	0	0
KPC	3.1	2015		7	7/1/2015	934	30.346858	0	0
KPC	3.1	2015		8	8/1/2015	925	30.488542	0	0
KPC	3.1	2015		9	9/1/2015	923	30.256217	0	0
KPC	3.1	2015		10	10/1/2015	917	30.717389	0	0
KPC	3.1	2015		11	11/1/2015	920	30.305231	0	0
KPC	3.1	2015		12	12/1/2015	916	31.467816	0	0

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 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	DAYS	com1	com1slope	com2
KPC	3.1	2016		1	1/1/2016	910	31.302719	0	0
KPC	3.1	2016		2	2/1/2016	916	29.39092	0	0
KPC	3.1	2016		3	3/1/2016	913	30.548362	0	0
KPC	3.1	2016		4	4/1/2016	910	30.133408	0	0
KPC	3.1	2016		5	5/1/2016	904	29.877482	0	0
KPC	3.1	2016		6	6/1/2016	905	30.861257	0	0
KPC	3.1	2016		7	7/1/2016	903	30.31773	0	0
KPC	3.1	2016		8	8/1/2016	899	30.69174	0	0
KPC	3.1	2016		9	9/1/2016	897	30.327933	0	0
KPC	3.1	2016		10	10/1/2016	896	30.645192	0	0
KPC	3.1	2016		11	11/1/2016	892	29.832132	0	0
KPC	3.1	2016		12	12/1/2016	892	31	0	0
KPC	3.1	2017		1	1/1/2017	891	31.51164	0	0
KPC	3.1	2017		2	2/1/2017	887	28.841894	0	0
KPC	3.1	2017		3	3/1/2017	888	30.313019	0	0
KPC	3.1	2017		4	4/1/2017	884	29.651595	0	0
KPC	3.1	2017		5	5/1/2017	884	29.570002	0	0
KPC	3.1	2017		6	6/1/2017	882	30.605382	0	0
KPC	3.1	2017		7	7/1/2017	885	30.877083	0	0
KPC	3.1	2017		8	8/1/2017	885	30.436659	0	0
KPC	3.1	2017		9	9/1/2017	882	30.296814	0	0
KPC	3.1	2017		10	10/1/2017	885	30.936518	0	0
KPC	3.1	2017		11	11/1/2017	881	29.663359	0	0
KPC	3.1	2017		12	12/1/2017	887	31.526708	0	0
KPC	3.1	2018		1	1/1/2018	884	31.461028	0	0
KPC	3.1	2018		2	2/1/2018	892	28.351477	0	0
KPC	3.1	2018		3	3/1/2018	885	30.6316	0	0
KPC	3.1	2018		4	4/1/2018	881	30.058055	0	0
KPC	3.1	2018		5	5/1/2018	881	30.317417	0	0
KPC	3.1	2018		6	6/1/2018	883	31.024898	0	0
KPC	3.1	2018		7	7/1/2018	882	30.360538	0	0
KPC	3.1	2018		8	8/1/2018	885	30.811628	0	0
KPC	3.1	2018		9	9/1/2018	881	30.188785	0	0
KPC	3.1	2018		10	10/1/2018	883	30.482448	0	0
KPC	3.1	2018		11	11/1/2018	934	29.257703	0	0
KPC	3.1	2018		12	12/1/2018	887	31.425873	0	0

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 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	DAYS	com1	com1slope	com2
KPC	3.1	2019		1	1/1/2019			0	0
KPC	3.1	2019		2	2/1/2019			0	0
KPC	3.1	2019		3	3/1/2019			0	0
KPC	3.1	2019		4	4/1/2019			0	0
KPC	3.1	2019		5	5/1/2019			0	0
KPC	3.1	2019		6	6/1/2019			0	0
KPC	3.1	2019		7	7/1/2019			0	0
KPC	3.1	2019		8	8/1/2019			0	0
KPC	3.1	2019		9	9/1/2019			0	0
KPC	3.1	2019		10	10/1/2019			0	0
KPC	3.1	2019		11	11/1/2019			0	0
KPC	3.1	2019		12	12/1/2019			0	0
KPC	3.1	2020		1	1/1/2020			0	0
KPC	3.1	2020		2	2/1/2020			0	0
KPC	3.1	2020		3	3/1/2020			0	0
KPC	3.1	2020		4	4/1/2020			0	0
KPC	3.1	2020		5	5/1/2020			0	0
KPC	3.1	2020		6	6/1/2020			0	0
KPC	3.1	2020		7	7/1/2020			0	0
KPC	3.1	2020		8	8/1/2020			0	0
KPC	3.1	2020		9	9/1/2020			0	0
KPC	3.1	2020		10	10/1/2020			0	0
KPC	3.1	2020		11	11/1/2020			0	0
KPC	3.1	2020		12	12/1/2020			0	0
KPC	3.1	2021		1	1/1/2021			0	0
KPC	3.1	2021		2	2/1/2021			0	0
KPC	3.1	2021		3	3/1/2021			0	0
KPC	3.1	2021		4	4/1/2021			0	0
KPC	3.1	2021		5	5/1/2021			0	0
KPC	3.1	2021		6	6/1/2021			0	0
KPC	3.1	2021		7	7/1/2021			0	0
KPC	3.1	2021		8	8/1/2021			0	0
KPC	3.1	2021		9	9/1/2021			0	0
KPC	3.1	2021		10	10/1/2021			0	0
KPC	3.1	2021		11	11/1/2021			0	0
KPC	3.1	2021		12	12/1/2021			0	0

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JURIS	revcls	YEAR	MONTH	time	CUST	DAYS	com1	com1slope	com2
KPC	3.15	2008		1	1/1/2008	474	32.788018	0	0
KPC	3.15	2008		2	2/1/2008	476	29.05014	0	0
KPC	3.15	2008		3	3/1/2008	470	29.534451	0	0
KPC	3.15	2008		4	4/1/2008	463	30.068781	0	0
KPC	3.15	2008		5	5/1/2008	462	29.95926	0	0
KPC	3.15	2008		6	6/1/2008	461	30.496749	0	0
KPC	3.15	2008		7	7/1/2008	467	30.568791	0	0
KPC	3.15	2008		8	8/1/2008	461	28.93535	0	0
KPC	3.15	2008		9	9/1/2008	465	30.410885	0	0
KPC	3.15	2008		10	10/1/2008	470	29.712343	0	0
KPC	3.15	2008		11	11/1/2008	468	29.522305	0	0
KPC	3.15	2008		12	12/1/2008	469	32.418987	0	0
KPC	3.15	2009		1	1/1/2009	462	33.403142	0	0
KPC	3.15	2009		2	2/1/2009	469	29.844683	0	0
KPC	3.15	2009		3	3/1/2009	468	29.065635	0	0
KPC	3.15	2009		4	4/1/2009	458	30.715089	0	0
KPC	3.15	2009		5	5/1/2009	456	30.101645	0	0
KPC	3.15	2009		6	6/1/2009	460	30.119694	0	0
KPC	3.15	2009		7	7/1/2009	453	30.78164	0	0
KPC	3.15	2009		8	8/1/2009	453	29.837067	0	0
KPC	3.15	2009		9	9/1/2009	471	30.123036	0	0
KPC	3.15	2009		10	10/1/2009	442	29.686328	0	0
KPC	3.15	2009		11	11/1/2009	446	29.514758	0	0
KPC	3.15	2009		12	12/1/2009	440	33.327682	0	0
KPC	3.15	2010		1	1/1/2010	449	32.320384	0	0
KPC	3.15	2010		2	2/1/2010	442	29.215333	0	0
KPC	3.15	2010		3	3/1/2010	448	28.937164	0	0
KPC	3.15	2010		4	4/1/2010	448	31.027944	0	0
KPC	3.15	2010		5	5/1/2010	448	29.561547	0	0
KPC	3.15	2010		6	6/1/2010	450	30.507463	0	0
KPC	3.15	2010		7	7/1/2010	453	30.614335	0	0
KPC	3.15	2010		8	8/1/2010	450	29.755438	0	0
KPC	3.15	2010		9	9/1/2010	443	30.212933	0	0
KPC	3.15	2010		10	10/1/2010	442	29.990722	0	0
KPC	3.15	2010		11	11/1/2010	446	29.436598	0	0
KPC	3.15	2010		12	12/1/2010	432	33.094941	0	0

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 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	DAYS	com1	com1slope	com2
KPC	3.15	2011		1	1/1/2011	450	32.553729	0	0
KPC	3.15	2011		2	2/1/2011	444	29.505225	0	0
KPC	3.15	2011		3	3/1/2011	449	29.458277	0	0
KPC	3.15	2011		4	4/1/2011	448	30.219337	0	0
KPC	3.15	2011		5	5/1/2011	449	30.075092	0	0
KPC	3.15	2011		6	6/1/2011	447	30.715278	0	0
KPC	3.15	2011		7	7/1/2011	437	30.648856	0	0
KPC	3.15	2011		8	8/1/2011	443	29.309183	0	0
KPC	3.15	2011		9	9/1/2011	442	30.617151	0	0
KPC	3.15	2011		10	10/1/2011	439	29.91053	0	0
KPC	3.15	2011		11	11/1/2011	438	29.954846	0	0
KPC	3.15	2011		12	12/1/2011	432	32.638785	0	0
KPC	3.15	2012		1	1/1/2012	426	32.360241	0	0
KPC	3.15	2012		2	2/1/2012	415	29.938717	0	0
KPC	3.15	2012		3	3/1/2012	422	29.470919	0	0
KPC	3.15	2012		4	4/1/2012	417	30.18041	0	0
KPC	3.15	2012		5	5/1/2012	420	29.915981	0	0
KPC	3.15	2012		6	6/1/2012	415	30.859311	0	0
KPC	3.15	2012		7	7/1/2012	414	30.351751	0	0
KPC	3.15	2012		8	8/1/2012	410	29.677787	0	0
KPC	3.15	2012		9	9/1/2012	406	30.567353	0	0
KPC	3.15	2012		10	10/1/2012	406	29.715881	0	0
KPC	3.15	2012		11	11/1/2012	402	30.528672	0	0
KPC	3.15	2012		12	12/1/2012	398	31.923614	0	0
KPC	3.15	2013		1	1/1/2013	410	32.546978	0	0
KPC	3.15	2013		2	2/1/2013	398	29.555486	0	0
KPC	3.15	2013		3	3/1/2013	389	29.054399	0	0
KPC	3.15	2013		4	4/1/2013	398	30.521868	0	0
KPC	3.15	2013		5	5/1/2013	388	29.686474	0	0
KPC	3.15	2013		6	6/1/2013	383	30.760453	0	0
KPC	3.15	2013		7	7/1/2013	381	30.226423	0	0
KPC	3.15	2013		8	8/1/2013	373	29.5567	0	0
KPC	3.15	2013		9	9/1/2013	367	30.835631	0	0
KPC	3.15	2013		10	10/1/2013	364	29.402966	0	0
KPC	3.15	2013		11	11/1/2013	365	29.407027	0	0
KPC	3.15	2013		12	12/1/2013	363	33.271083	0	0

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 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	DAYS	com1	com1slope	com2
KPC	3.15	2014		1	1/1/2014	360	32.656692	0	0
KPC	3.15	2014		2	2/1/2014	361	29.410579	0	0
KPC	3.15	2014		3	3/1/2014	363	29.005709	0	0
KPC	3.15	2014		4	4/1/2014	356	29.079529	0	0
KPC	3.15	2014		5	5/1/2014	368	26.91398	0	0
KPC	3.15	2014		6	6/1/2014	358	29.784232	0	0
KPC	3.15	2014		7	7/1/2014	359	30.564668	0	0
KPC	3.15	2014		8	8/1/2014	350	29.799505	0	0
KPC	3.15	2014		9	9/1/2014	347	27.346694	0	0
KPC	3.15	2014		10	10/1/2014	356	28.595598	0	0
KPC	3.15	2014		11	11/1/2014	342	29.737009	0	0
KPC	3.15	2014		12	12/1/2014	337	33.016985	0	0
KPC	3.15	2015		1	1/1/2015	347	32.174247	0	0
KPC	3.15	2015		2	2/1/2015	334	29.52311	0	0
KPC	3.15	2015		3	3/1/2015	333	29.430871	0	0
KPC	3.15	2015		4	4/1/2015	331	31.012121	0	0
KPC	3.15	2015		5	5/1/2015	326	29.924046	0	0
KPC	3.15	2015		6	6/1/2015	325	29.98208	0	0
KPC	3.15	2015		7	7/1/2015	327	31.062601	0	0
KPC	3.15	2015		8	8/1/2015	322	26.966884	0	0
KPC	3.15	2015		9	9/1/2015	312	29.971352	0	0
KPC	3.15	2015		10	10/1/2015	311	29.950536	0	0
KPC	3.15	2015		11	11/1/2015	305	29.010676	0	0
KPC	3.15	2015		12	12/1/2015	297	32.623385	0	0
KPC	3.15	2016		1	1/1/2016	293	32.502395	0	0
KPC	3.15	2016		2	2/1/2016	306	28.190925	0	0
KPC	3.15	2016		3	3/1/2016	293	29.427645	0	0
KPC	3.15	2016		4	4/1/2016	284	30.739974	0	0
KPC	3.15	2016		5	5/1/2016	283	29.08997	0	0
KPC	3.15	2016		6	6/1/2016	285	30.654901	0	0
KPC	3.15	2016		7	7/1/2016	272	30.82836	0	0
KPC	3.15	2016		8	8/1/2016	267	29.199961	0	0
KPC	3.15	2016		9	9/1/2016	264	30.667446	0	0
KPC	3.15	2016		10	10/1/2016	259	30.082385	0	0
KPC	3.15	2016		11	11/1/2016	262	29.162813	0	0
KPC	3.15	2016		12	12/1/2016	261	33.37481	0	0

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JURIS	revcls	YEAR	MONTH	time	CUST	DAYS	com1	com1slope	com2
KPC	3.15	2017		1	1/1/2017	255	32.131814	0	0
KPC	3.15	2017		2	2/1/2017	254	29.754509	0	0
KPC	3.15	2017		3	3/1/2017	262	29.754556	0	0
KPC	3.15	2017		4	4/1/2017	261	29.479157	0	0
KPC	3.15	2017		5	5/1/2017	256	29.182869	0	0
KPC	3.15	2017		6	6/1/2017	261	30.598297	0	0
KPC	3.15	2017		7	7/1/2017	266	30.769583	0	0
KPC	3.15	2017		8	8/1/2017	268	29.512624	0	0
KPC	3.15	2017		9	9/1/2017	250	30.576232	0	0
KPC	3.15	2017		10	10/1/2017	256	29.837303	0	0
KPC	3.15	2017		11	11/1/2017	259	29.230563	0	0
KPC	3.15	2017		12	12/1/2017	254	33.419063	0	0
KPC	3.15	2018		1	1/1/2018	253	31.996587	0	0
KPC	3.15	2018		2	2/1/2018	252	29.687856	0	0
KPC	3.15	2018		3	3/1/2018	254	29.517506	0	0
KPC	3.15	2018		4	4/1/2018	252	30.589387	0	0
KPC	3.15	2018		5	5/1/2018	249	29.301244	0	0
KPC	3.15	2018		6	6/1/2018	249	31.314922	0	0
KPC	3.15	2018		7	7/1/2018	251	30.381643	0	0
KPC	3.15	2018		8	8/1/2018	247	29.217284	0	0
KPC	3.15	2018		9	9/1/2018	248	30.787067	0	0
KPC	3.15	2018		10	10/1/2018	253	29.226987	0	0
KPC	3.15	2018		11	11/1/2018	247	30.624758	0	0
KPC	3.15	2018		12	12/1/2018	251	31.918357	0	0
KPC	3.15	2019		1	1/1/2019			0	0
KPC	3.15	2019		2	2/1/2019			0	0
KPC	3.15	2019		3	3/1/2019			0	0
KPC	3.15	2019		4	4/1/2019			0	0
KPC	3.15	2019		5	5/1/2019			0	0
KPC	3.15	2019		6	6/1/2019			0	0
KPC	3.15	2019		7	7/1/2019			0	0
KPC	3.15	2019		8	8/1/2019			0	0
KPC	3.15	2019		9	9/1/2019			0	0
KPC	3.15	2019		10	10/1/2019			0	0
KPC	3.15	2019		11	11/1/2019			0	0
KPC	3.15	2019		12	12/1/2019			0	0

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 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	DAYS	com1	com1slope	com2
KPC	3.15	2020		1	1/1/2020			0	0
KPC	3.15	2020		2	2/1/2020			0	0
KPC	3.15	2020		3	3/1/2020			0	0
KPC	3.15	2020		4	4/1/2020			0	0
KPC	3.15	2020		5	5/1/2020			0	0
KPC	3.15	2020		6	6/1/2020			0	0
KPC	3.15	2020		7	7/1/2020			0	0
KPC	3.15	2020		8	8/1/2020			0	0
KPC	3.15	2020		9	9/1/2020			0	0
KPC	3.15	2020		10	10/1/2020			0	0
KPC	3.15	2020		11	11/1/2020			0	0
KPC	3.15	2020		12	12/1/2020			0	0
KPC	3.15	2021		1	1/1/2021			0	0
KPC	3.15	2021		2	2/1/2021			0	0
KPC	3.15	2021		3	3/1/2021			0	0
KPC	3.15	2021		4	4/1/2021			0	0
KPC	3.15	2021		5	5/1/2021			0	0
KPC	3.15	2021		6	6/1/2021			0	0
KPC	3.15	2021		7	7/1/2021			0	0
KPC	3.15	2021		8	8/1/2021			0	0
KPC	3.15	2021		9	9/1/2021			0	0
KPC	3.15	2021		10	10/1/2021			0	0
KPC	3.15	2021		11	11/1/2021			0	0
KPC	3.15	2021		12	12/1/2021			0	0
KPC	3.2	2008		1	1/1/2008	7	31.271906	0	0
KPC	3.2	2008		2	2/1/2008	7	29.390879	0	0
KPC	3.2	2008		3	3/1/2008	7	29.940874	0	0
KPC	3.2	2008		4	4/1/2008	7	30.698118	0	0
KPC	3.2	2008		5	5/1/2008	7	30.514847	0	0
KPC	3.2	2008		6	6/1/2008	7	30.333354	0	0
KPC	3.2	2008		7	7/1/2008	8	30.674908	0	0
KPC	3.2	2008		8	8/1/2008	8	29.807581	0	0
KPC	3.2	2008		9	9/1/2008	8	30.446807	0	0
KPC	3.2	2008		10	10/1/2008	8	30.355945	0	0
KPC	3.2	2008		11	11/1/2008	8	30.27273	0	0
KPC	3.2	2008		12	12/1/2008	8	31.115851	0	0

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JURIS	revcls	YEAR	MONTH	time	CUST	DAYS	com1	com1slope	com2
KPC	3.2	2009		1	1/1/2009	8	31.192118	0	0
KPC	3.2	2009		2	2/1/2009	8	29.715922	0	0
KPC	3.2	2009		3	3/1/2009	8	30.077617	0	0
KPC	3.2	2009		4	4/1/2009	8	30.904843	0	0
KPC	3.2	2009		5	5/1/2009	8	29.707794	0	0
KPC	3.2	2009		6	6/1/2009	8	30.551975	0	0
KPC	3.2	2009		7	7/1/2009	8	31.241473	0	0
KPC	3.2	2009		8	8/1/2009	8	30.642322	0	0
KPC	3.2	2009		9	9/1/2009	8	29.977006	0	0
KPC	3.2	2009		10	10/1/2009	8	30.487187	0	0
KPC	3.2	2009		11	11/1/2009	8	29.262971	0	0
KPC	3.2	2009		12	12/1/2009	8	32.336588	0	0
KPC	3.2	2010		1	1/1/2010	8	31.563764	0	0
KPC	3.2	2010		2	2/1/2010	8	29.056393	0	0
KPC	3.2	2010		3	3/1/2010	8	29.679025	0	0
KPC	3.2	2010		4	4/1/2010	8	30.068986	0	0
KPC	3.2	2010		5	5/1/2010	8	29.212177	0	0
KPC	3.2	2010		6	6/1/2010	8	30.681912	0	0
KPC	3.2	2010		7	7/1/2010	8	30.696385	0	0
KPC	3.2	2010		8	8/1/2010	8	30.32272	0	0
KPC	3.2	2010		9	9/1/2010	8	30.249581	0	0
KPC	3.2	2010		10	10/1/2010	8	30.243072	0	0
KPC	3.2	2010		11	11/1/2010	8	30.338541	0	0
KPC	3.2	2010		12	12/1/2010	8	31.522032	0	0
KPC	3.2	2011		1	1/1/2011	8	30.644655	0	0
KPC	3.2	2011		2	2/1/2011	8	29.497871	0	0
KPC	3.2	2011		3	3/1/2011	8	28.561455	0	0
KPC	3.2	2011		4	4/1/2011	8	30.464169	0	0
KPC	3.2	2011		5	5/1/2011	8	29.837594	0	0
KPC	3.2	2011		6	6/1/2011	8	31.05698	0	0
KPC	3.2	2011		7	7/1/2011	8	30.707979	0	0
KPC	3.2	2011		8	8/1/2011	8	30.190084	0	0
KPC	3.2	2011		9	9/1/2011	8	30.526314	0	0
KPC	3.2	2011		10	10/1/2011	8	29.951856	0	0
KPC	3.2	2011		11	11/1/2011	8	30.44695	0	0
KPC	3.2	2011		12	12/1/2011	8	31.626342	0	0

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JURIS	revcls	YEAR	MONTH	time	CUST	DAYS	com1	com1slope	com2
KPC	3.2	2012		1	1/1/2012	8	32.341845	0	0
KPC	3.2	2012		2	2/1/2012	8	29.866047	0	0
KPC	3.2	2012		3	3/1/2012	8	29.718989	0	0
KPC	3.2	2012		4	4/1/2012	8	30.436704	0	0
KPC	3.2	2012		5	5/1/2012	8	30.639494	0	0
KPC	3.2	2012		6	6/1/2012	8	30.132886	0	0
KPC	3.2	2012		7	7/1/2012	8	30.975673	0	0
KPC	3.2	2012		8	8/1/2012	8	30.239458	0	0
KPC	3.2	2012		9	9/1/2012	8	29.343202	0	0
KPC	3.2	2012		10	10/1/2012	8	29.7	0	0
KPC	3.2	2012		11	11/1/2012	8	30	0	0
KPC	3.2	2012		12	12/1/2012	8	31	0	0
KPC	3.2	2013		1	1/1/2013	8	31	0	0
KPC	3.2	2013		2	2/1/2013	8	29.241475	0	0
KPC	3.2	2013		3	3/1/2013	8	30.180713	0	0
KPC	3.2	2013		4	4/1/2013	8	30.270248	0	0
KPC	3.2	2013		5	5/1/2013	8	30.612495	0	0
KPC	3.2	2013		6	6/1/2013	8	30.322616	0	0
KPC	3.2	2013		7	7/1/2013	8	30.652897	0	0
KPC	3.2	2013		8	8/1/2013	8	30.571829	0	0
KPC	3.2	2013		9	9/1/2013	8	30.149798	0	0
KPC	3.2	2013		10	10/1/2013	8	30.498925	0	0
KPC	3.2	2013		11	11/1/2013	8	31.389475	0	0
KPC	3.2	2013		12	12/1/2013	8	32.716477	0	0
KPC	3.2	2014		1	1/1/2014	8	31.386635	0	0
KPC	3.2	2014		2	2/1/2014	8	28.332394	0	0
KPC	3.2	2014		3	3/1/2014	8	30.417507	0	0
KPC	3.2	2014		4	4/1/2014	8	30.217648	0	0
KPC	3.2	2014		5	5/1/2014	8	30.460951	0	0
KPC	3.2	2014		6	6/1/2014	8	30.509092	0	0
KPC	3.2	2014		7	7/1/2014	8	30.660514	0	0
KPC	3.2	2014		8	8/1/2014	8	30.291167	0	0
KPC	3.2	2014		9	9/1/2014	8	30.413669	0	0
KPC	3.2	2014		10	10/1/2014	8	30.54933	0	0
KPC	3.2	2014		11	11/1/2014	8	29.458552	0	0
KPC	3.2	2014		12	12/1/2014	8	30.803035	0	0

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 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	DAYS	com1	com1slope	com2
KPC	3.2	2015		1	1/1/2015	8 32.655344		0	0
KPC	3.2	2015		2	2/1/2015	8 29.191751		0	0
KPC	3.2	2015		3	3/1/2015	8 30.682162		0	0
KPC	3.2	2015		4	4/1/2015	8 30.26429		0	0
KPC	3.2	2015		5	5/1/2015	8 30.558287		0	0
KPC	3.2	2015		6	6/1/2015	8 30.768777		0	0
KPC	3.2	2015		7	7/1/2015	8 30.346858		0	0
KPC	3.2	2015		8	8/1/2015	8 30.488542		0	0
KPC	3.2	2015		9	9/1/2015	8 30.256217		0	0
KPC	3.2	2015		10	10/1/2015	8 30.717389		0	0
KPC	3.2	2015		11	11/1/2015	8 30.305231		0	0
KPC	3.2	2015		12	12/1/2015	8 31.467816		0	0
KPC	3.2	2016		1	1/1/2016	8 31.302719		0	0
KPC	3.2	2016		2	2/1/2016	8 29.39092		0	0
KPC	3.2	2016		3	3/1/2016	8 30.548362		0	0
KPC	3.2	2016		4	4/1/2016	8 30.133408		0	0
KPC	3.2	2016		5	5/1/2016	8 29.877482		0	0
KPC	3.2	2016		6	6/1/2016	8 30.861257		0	0
KPC	3.2	2016		7	7/1/2016	8 30.31773		0	0
KPC	3.2	2016		8	8/1/2016	8 30.69174		0	0
KPC	3.2	2016		9	9/1/2016	8 30.327933		0	0
KPC	3.2	2016		10	10/1/2016	8 30.645192		0	0
KPC	3.2	2016		11	11/1/2016	8 29.832132		0	0
KPC	3.2	2016		12	12/1/2016	8 31		0	0
KPC	3.2	2017		1	1/1/2017	8 31.51164		0	0
KPC	3.2	2017		2	2/1/2017	8 28.841894		0	0
KPC	3.2	2017		3	3/1/2017	8 30.313019		0	0
KPC	3.2	2017		4	4/1/2017	8 29.651595		0	0
KPC	3.2	2017		5	5/1/2017	8 29.570002		0	0
KPC	3.2	2017		6	6/1/2017	8 30.605382		0	0
KPC	3.2	2017		7	7/1/2017	8 30.877083		0	0
KPC	3.2	2017		8	8/1/2017	8 30.436659		0	0
KPC	3.2	2017		9	9/1/2017	8 30.296814		0	0
KPC	3.2	2017		10	10/1/2017	8 30.936518		0	0
KPC	3.2	2017		11	11/1/2017	8 29.663359		0	0
KPC	3.2	2017		12	12/1/2017	8 31.526708		0	0

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 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	DAYS	com1	com1slope	com2
KPC	3.2	2018		1	1/1/2018	8	31.461028	0	0
KPC	3.2	2018		2	2/1/2018	8	28.351477	0	0
KPC	3.2	2018		3	3/1/2018	8	30.6316	0	0
KPC	3.2	2018		4	4/1/2018	8	30.058055	0	0
KPC	3.2	2018		5	5/1/2018	8	30.317417	0	0
KPC	3.2	2018		6	6/1/2018	8	31.024898	0	0
KPC	3.2	2018		7	7/1/2018	8	30.360538	0	0
KPC	3.2	2018		8	8/1/2018	8	30.811628	0	0
KPC	3.2	2018		9	9/1/2018	8	30.188785	0	0
KPC	3.2	2018		10	10/1/2018	8	30.482448	0	0
KPC	3.2	2018		11	11/1/2018	8	29.257703	0	0
KPC	3.2	2018		12	12/1/2018	8	31.425873	0	0
KPC	3.2	2019		1	1/1/2019			0	0
KPC	3.2	2019		2	2/1/2019			0	0
KPC	3.2	2019		3	3/1/2019			0	0
KPC	3.2	2019		4	4/1/2019			0	0
KPC	3.2	2019		5	5/1/2019			0	0
KPC	3.2	2019		6	6/1/2019			0	0
KPC	3.2	2019		7	7/1/2019			0	0
KPC	3.2	2019		8	8/1/2019			0	0
KPC	3.2	2019		9	9/1/2019			0	0
KPC	3.2	2019		10	10/1/2019			0	0
KPC	3.2	2019		11	11/1/2019			0	0
KPC	3.2	2019		12	12/1/2019			0	0
KPC	3.2	2020		1	1/1/2020			0	0
KPC	3.2	2020		2	2/1/2020			0	0
KPC	3.2	2020		3	3/1/2020			0	0
KPC	3.2	2020		4	4/1/2020			0	0
KPC	3.2	2020		5	5/1/2020			0	0
KPC	3.2	2020		6	6/1/2020			0	0
KPC	3.2	2020		7	7/1/2020			0	0
KPC	3.2	2020		8	8/1/2020			0	0
KPC	3.2	2020		9	9/1/2020			0	0
KPC	3.2	2020		10	10/1/2020			0	0
KPC	3.2	2020		11	11/1/2020			0	0
KPC	3.2	2020		12	12/1/2020			0	0

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 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	DAYS	com1	com1slope	com2
KPC	3.2	2021		1	1/1/2021			0	0
KPC	3.2	2021		2	2/1/2021			0	0
KPC	3.2	2021		3	3/1/2021			0	0
KPC	3.2	2021		4	4/1/2021			0	0
KPC	3.2	2021		5	5/1/2021			0	0
KPC	3.2	2021		6	6/1/2021			0	0
KPC	3.2	2021		7	7/1/2021			0	0
KPC	3.2	2021		8	8/1/2021			0	0
KPC	3.2	2021		9	9/1/2021			0	0
KPC	3.2	2021		10	10/1/2021			0	0
KPC	3.2	2021		11	11/1/2021			0	0
KPC	3.2	2021		12	12/1/2021			0	0
KPC	3.25	2008		1	1/1/2008	2 32.788018		0	0
KPC	3.25	2008		2	2/1/2008	2 29.05014		0	0
KPC	3.25	2008		3	3/1/2008	2 29.534451		0	0
KPC	3.25	2008		4	4/1/2008	2 30.068781		0	0
KPC	3.25	2008		5	5/1/2008	2 29.95926		0	0
KPC	3.25	2008		6	6/1/2008	2 30.496749		0	0
KPC	3.25	2008		7	7/1/2008	2 30.568791		0	0
KPC	3.25	2008		8	8/1/2008	2 28.93535		0	0
KPC	3.25	2008		9	9/1/2008	2 30.410885		0	0
KPC	3.25	2008		10	10/1/2008	2 29.712343		0	0
KPC	3.25	2008		11	11/1/2008	2 29.522305		0	0
KPC	3.25	2008		12	12/1/2008	2 32.418987		0	0
KPC	3.25	2009		1	1/1/2009	2 33.403142		0	0
KPC	3.25	2009		2	2/1/2009	2 29.844683		0	0
KPC	3.25	2009		3	3/1/2009	2 29.065635		0	0
KPC	3.25	2009		4	4/1/2009	2 30.715089		0	0
KPC	3.25	2009		5	5/1/2009	2 30.101645		0	0
KPC	3.25	2009		6	6/1/2009	2 30.119694		0	0
KPC	3.25	2009		7	7/1/2009	2 30.78164		0	0
KPC	3.25	2009		8	8/1/2009	2 29.837067		0	0
KPC	3.25	2009		9	9/1/2009	2 30.123036		0	0
KPC	3.25	2009		10	10/1/2009	2 29.686328		0	0
KPC	3.25	2009		11	11/1/2009	2 29.514758		0	0
KPC	3.25	2009		12	12/1/2009	2 33.327682		0	0

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JURIS	revcls	YEAR	MONTH	time	CUST	DAYS	com1	com1slope	com2
KPC	3.25	2010		1	1/1/2010	2 32.320384		0	0
KPC	3.25	2010		2	2/1/2010	2 29.215333		0	0
KPC	3.25	2010		3	3/1/2010	2 28.937164		0	0
KPC	3.25	2010		4	4/1/2010	2 31.027944		0	0
KPC	3.25	2010		5	5/1/2010	2 29.561547		0	0
KPC	3.25	2010		6	6/1/2010	2 30.507463		0	0
KPC	3.25	2010		7	7/1/2010	2 30.614335		0	0
KPC	3.25	2010		8	8/1/2010	2 29.755438		0	0
KPC	3.25	2010		9	9/1/2010	2 30.212933		0	0
KPC	3.25	2010		10	10/1/2010	2 29.990722		0	0
KPC	3.25	2010		11	11/1/2010	2 29.436598		0	0
KPC	3.25	2010		12	12/1/2010	2 33.094941		0	0
KPC	3.25	2011		1	1/1/2011	2 32.553729		0	0
KPC	3.25	2011		2	2/1/2011	2 29.505225		0	0
KPC	3.25	2011		3	3/1/2011	2 29.458277		0	0
KPC	3.25	2011		4	4/1/2011	2 30.219337		0	0
KPC	3.25	2011		5	5/1/2011	2 30.075092		0	0
KPC	3.25	2011		6	6/1/2011	2 30.715278		0	0
KPC	3.25	2011		7	7/1/2011	2 30.648856		0	0
KPC	3.25	2011		8	8/1/2011	2 29.309183		0	0
KPC	3.25	2011		9	9/1/2011	2 30.617151		0	0
KPC	3.25	2011		10	10/1/2011	2 29.91053		0	0
KPC	3.25	2011		11	11/1/2011	2 29.954846		0	0
KPC	3.25	2011		12	12/1/2011	2 32.638785		0	0
KPC	3.25	2012		1	1/1/2012	2 32.360241		0	0
KPC	3.25	2012		2	2/1/2012	2 29.938717		0	0
KPC	3.25	2012		3	3/1/2012	2 29.470919		0	0
KPC	3.25	2012		4	4/1/2012	2 30.18041		0	0
KPC	3.25	2012		5	5/1/2012	2 29.915981		0	0
KPC	3.25	2012		6	6/1/2012	2 30.859311		0	0
KPC	3.25	2012		7	7/1/2012	2 30.351751		0	0
KPC	3.25	2012		8	8/1/2012	2 29.677787		0	0
KPC	3.25	2012		9	9/1/2012	2 30.567353		0	0
KPC	3.25	2012		10	10/1/2012	2 29.715881		0	0
KPC	3.25	2012		11	11/1/2012	2 30.528672		0	0
KPC	3.25	2012		12	12/1/2012	2 31.923614		0	0

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 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	DAYS	com1	com1slope	com2
KPC	3.25	2013		1	1/1/2013	2 32.546978		0	0
KPC	3.25	2013		2	2/1/2013	2 29.555486		0	0
KPC	3.25	2013		3	3/1/2013	2 29.054399		0	0
KPC	3.25	2013		4	4/1/2013	2 30.521868		0	0
KPC	3.25	2013		5	5/1/2013	2 29.686474		0	0
KPC	3.25	2013		6	6/1/2013	2 30.760453		0	0
KPC	3.25	2013		7	7/1/2013	2 30.226423		0	0
KPC	3.25	2013		8	8/1/2013	2 29.5567		0	0
KPC	3.25	2013		9	9/1/2013	2 30.835631		0	0
KPC	3.25	2013		10	10/1/2013	2 29.402966		0	0
KPC	3.25	2013		11	11/1/2013	2 29.407027		0	0
KPC	3.25	2013		12	12/1/2013	2 33.271083		0	0
KPC	3.25	2014		1	1/1/2014	2 32.656692		0	0
KPC	3.25	2014		2	2/1/2014	2 29.410579		0	0
KPC	3.25	2014		3	3/1/2014	2 29.005709		0	0
KPC	3.25	2014		4	4/1/2014	2 29.079529		0	0
KPC	3.25	2014		5	5/1/2014	2 26.91398		0	0
KPC	3.25	2014		6	6/1/2014	2 29.784232		0	0
KPC	3.25	2014		7	7/1/2014	2 30.564668		0	0
KPC	3.25	2014		8	8/1/2014	2 29.799505		0	0
KPC	3.25	2014		9	9/1/2014	2 27.346694		0	0
KPC	3.25	2014		10	10/1/2014	2 28.595598		0	0
KPC	3.25	2014		11	11/1/2014	2 29.737009		0	0
KPC	3.25	2014		12	12/1/2014	2 33.016985		0	0
KPC	3.25	2015		1	1/1/2015	2 32.174247		0	0
KPC	3.25	2015		2	2/1/2015	2 29.52311		0	0
KPC	3.25	2015		3	3/1/2015	2 29.430871		0	0
KPC	3.25	2015		4	4/1/2015	2 31.012121		0	0
KPC	3.25	2015		5	5/1/2015	2 29.924046		0	0
KPC	3.25	2015		6	6/1/2015	2 29.98208		0	0
KPC	3.25	2015		7	7/1/2015	2 31.062601		0	0
KPC	3.25	2015		8	8/1/2015	2 26.966884		0	0
KPC	3.25	2015		9	9/1/2015	2 29.971352		0	0
KPC	3.25	2015		10	10/1/2015	2 29.950536		0	0
KPC	3.25	2015		11	11/1/2015	2 29.010676		0	0
KPC	3.25	2015		12	12/1/2015	2 32.623385		0	0

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 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	DAYS	com1	com1slope	com2
KPC	3.25	2016		1	1/1/2016	2 32.502395		0	0
KPC	3.25	2016		2	2/1/2016	2 28.190925		0	0
KPC	3.25	2016		3	3/1/2016	2 29.427645		0	0
KPC	3.25	2016		4	4/1/2016	2 30.739974		0	0
KPC	3.25	2016		5	5/1/2016	2 29.08997		0	0
KPC	3.25	2016		6	6/1/2016	2 30.654901		0	0
KPC	3.25	2016		7	7/1/2016	2 30.82836		0	0
KPC	3.25	2016		8	8/1/2016	2 29.199961		0	0
KPC	3.25	2016		9	9/1/2016	2 30.667446		0	0
KPC	3.25	2016		10	10/1/2016	2 30.082385		0	0
KPC	3.25	2016		11	11/1/2016	2 29.162813		0	0
KPC	3.25	2016		12	12/1/2016	2 33.37481		0	0
KPC	3.25	2017		1	1/1/2017	2 32.131814		0	0
KPC	3.25	2017		2	2/1/2017	2 29.754509		0	0
KPC	3.25	2017		3	3/1/2017	2 29.754556		0	0
KPC	3.25	2017		4	4/1/2017	2 29.479157		0	0
KPC	3.25	2017		5	5/1/2017	2 29.182869		0	0
KPC	3.25	2017		6	6/1/2017	2 30.598297		0	0
KPC	3.25	2017		7	7/1/2017	2 30.769583		0	0
KPC	3.25	2017		8	8/1/2017	2 29.512624		0	0
KPC	3.25	2017		9	9/1/2017	2 30.576232		0	0
KPC	3.25	2017		10	10/1/2017	2 29.837303		0	0
KPC	3.25	2017		11	11/1/2017	2 29.230563		0	0
KPC	3.25	2017		12	12/1/2017	2 33.419063		0	0
KPC	3.25	2018		1	1/1/2018	2 31.996587		0	0
KPC	3.25	2018		2	2/1/2018	2 29.687856		0	0
KPC	3.25	2018		3	3/1/2018	2 29.517506		0	0
KPC	3.25	2018		4	4/1/2018	2 30.589387		0	0
KPC	3.25	2018		5	5/1/2018	2 29.301244		0	0
KPC	3.25	2018		6	6/1/2018	2 31.314922		0	0
KPC	3.25	2018		7	7/1/2018	2 30.381643		0	0
KPC	3.25	2018		8	8/1/2018	2 29.217284		0	0
KPC	3.25	2018		9	9/1/2018	2 30.787067		0	0
KPC	3.25	2018		10	10/1/2018	2 29.226987		0	0
KPC	3.25	2018		11	11/1/2018	2 30.624758		0	0
KPC	3.25	2018		12	12/1/2018	2 31.918357		0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	DAYS	com1	com1slope	com2
KPC	3.25	2019		1	1/1/2019			0	0
KPC	3.25	2019		2	2/1/2019			0	0
KPC	3.25	2019		3	3/1/2019			0	0
KPC	3.25	2019		4	4/1/2019			0	0
KPC	3.25	2019		5	5/1/2019			0	0
KPC	3.25	2019		6	6/1/2019			0	0
KPC	3.25	2019		7	7/1/2019			0	0
KPC	3.25	2019		8	8/1/2019			0	0
KPC	3.25	2019		9	9/1/2019			0	0
KPC	3.25	2019		10	10/1/2019			0	0
KPC	3.25	2019		11	11/1/2019			0	0
KPC	3.25	2019		12	12/1/2019			0	0
KPC	3.25	2020		1	1/1/2020			0	0
KPC	3.25	2020		2	2/1/2020			0	0
KPC	3.25	2020		3	3/1/2020			0	0
KPC	3.25	2020		4	4/1/2020			0	0
KPC	3.25	2020		5	5/1/2020			0	0
KPC	3.25	2020		6	6/1/2020			0	0
KPC	3.25	2020		7	7/1/2020			0	0
KPC	3.25	2020		8	8/1/2020			0	0
KPC	3.25	2020		9	9/1/2020			0	0
KPC	3.25	2020		10	10/1/2020			0	0
KPC	3.25	2020		11	11/1/2020			0	0
KPC	3.25	2020		12	12/1/2020			0	0
KPC	3.25	2021		1	1/1/2021			0	0
KPC	3.25	2021		2	2/1/2021			0	0
KPC	3.25	2021		3	3/1/2021			0	0
KPC	3.25	2021		4	4/1/2021			0	0
KPC	3.25	2021		5	5/1/2021			0	0
KPC	3.25	2021		6	6/1/2021			0	0
KPC	3.25	2021		7	7/1/2021			0	0
KPC	3.25	2021		8	8/1/2021			0	0
KPC	3.25	2021		9	9/1/2021			0	0
KPC	3.25	2021		10	10/1/2021			0	0
KPC	3.25	2021		11	11/1/2021			0	0
KPC	3.25	2021		12	12/1/2021			0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	DAYS	com1	com1slope	com2
KPC	4	2008		1	1/1/2008	380	31.885639	0	0
KPC	4	2008		2	2/1/2008	379	29.314057	0	0
KPC	4	2008		3	3/1/2008	376	30.199129	0	0
KPC	4	2008		4	4/1/2008	383	30.475989	0	0
KPC	4	2008		5	5/1/2008	374	30.124116	0	0
KPC	4	2008		6	6/1/2008	373	29.898613	0	0
KPC	4	2008		7	7/1/2008	386	31.005132	0	0
KPC	4	2008		8	8/1/2008	380	29.663576	0	0
KPC	4	2008		9	9/1/2008	376	30.40061	0	0
KPC	4	2008		10	10/1/2008	379	29.820667	0	0
KPC	4	2008		11	11/1/2008	373	29.704394	0	0
KPC	4	2008		12	12/1/2008	384	33.188162	0	0
KPC	4	2009		1	1/1/2009	375	30.997597	0	0
KPC	4	2009		2	2/1/2009	376	30.600982	0	0
KPC	4	2009		3	3/1/2009	380	29.790331	0	0
KPC	4	2009		4	4/1/2009	373	30.908888	0	0
KPC	4	2009		5	5/1/2009	372	30.06945	0	0
KPC	4	2009		6	6/1/2009	373	30.097648	0	0
KPC	4	2009		7	7/1/2009	370	31.312998	0	0
KPC	4	2009		8	8/1/2009	369	29.907472	0	0
KPC	4	2009		9	9/1/2009	379	30.022777	0	0
KPC	4	2009		10	10/1/2009	375	30.645372	0	0
KPC	4	2009		11	11/1/2009	366	29.565203	0	0
KPC	4	2009		12	12/1/2009	366	33.179116	0	0
KPC	4	2010		1	1/1/2010	362	30.901637	0	0
KPC	4	2010		2	2/1/2010	367	28.860172	0	0
KPC	4	2010		3	3/1/2010	363	31.000841	0	0
KPC	4	2010		4	4/1/2010	369	30.156516	0	0
KPC	4	2010		5	5/1/2010	372	29.503925	0	0
KPC	4	2010		6	6/1/2010	388	31.382218	0	0
KPC	4	2010		7	7/1/2010	406	30.424395	0	0
KPC	4	2010		8	8/1/2010	412	29.980682	0	0
KPC	4	2010		9	9/1/2010	411	30.968338	0	0
KPC	4	2010		10	10/1/2010	414	29.584465	0	0
KPC	4	2010		11	11/1/2010	417	29.730143	0	0
KPC	4	2010		12	12/1/2010	410	32.966484	0	0

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 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	DAYS	com1	com1slope	com2
KPC	4	2011		1	1/1/2011	407	30.642323	0	0
KPC	4	2011		2	2/1/2011	402	29.298497	0	0
KPC	4	2011		3	3/1/2011	411	39.192283	0	0
KPC	4	2011		4	4/1/2011	434	25.770481	0	0
KPC	4	2011		5	5/1/2011	413	30.272718	0	0
KPC	4	2011		6	6/1/2011	412	30.926498	0	0
KPC	4	2011		7	7/1/2011	411	30.553288	0	0
KPC	4	2011		8	8/1/2011	407	30.134359	0	0
KPC	4	2011		9	9/1/2011	407	30.750243	0	0
KPC	4	2011		10	10/1/2011	420	31.730768	0	0
KPC	4	2011		11	11/1/2011	407	30.083688	0	0
KPC	4	2011		12	12/1/2011	405	31.138802	0	0
KPC	4	2012		1	1/1/2012	405	31.48048	0	0
KPC	4	2012		2	2/1/2012	404	29.170629	0	0
KPC	4	2012		3	3/1/2012	404	30.546601	0	0
KPC	4	2012		4	4/1/2012	402	30.177053	0	0
KPC	4	2012		5	5/1/2012	401	30.883937	0	0
KPC	4	2012		6	6/1/2012	401	29.974106	0	0
KPC	4	2012		7	7/1/2012	399	31.244268	0	0
KPC	4	2012		8	8/1/2012	399	30.568539	0	0
KPC	4	2012		9	9/1/2012	398	29.975521	0	0
KPC	4	2012		10	10/1/2012	399	30.985005	0	0
KPC	4	2012		11	11/1/2012	399	29.935458	0	0
KPC	4	2012		12	12/1/2012	395	31.206376	0	0
KPC	4	2013		1	1/1/2013	393	31.459019	0	0
KPC	4	2013		2	2/1/2013	392	28.327965	0	0
KPC	4	2013		3	3/1/2013	391	30.276505	0	0
KPC	4	2013		4	4/1/2013	389	30.588398	0	0
KPC	4	2013		5	5/1/2013	390	30.631578	0	0
KPC	4	2013		6	6/1/2013	388	29.920993	0	0
KPC	4	2013		7	7/1/2013	388	31.264427	0	0
KPC	4	2013		8	8/1/2013	387	30.499043	0	0
KPC	4	2013		9	9/1/2013	376	30.23524	0	0
KPC	4	2013		10	10/1/2013	376	30.72	0	0
KPC	4	2013		11	11/1/2013	375	29.533231	0	0
KPC	4	2013		12	12/1/2013	373	31.793718	0	0

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 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	DAYS	com1	com1slope	com2
KPC	4	2014		1	1/1/2014	373	31.480098	0	0
KPC	4	2014		2	2/1/2014	374	28.267624	0	0
KPC	4	2014		3	3/1/2014	373	30.745448	0	0
KPC	4	2014		4	4/1/2014	372	29.897559	0	0
KPC	4	2014		5	5/1/2014	370	30.805137	0	0
KPC	4	2014		6	6/1/2014	370	30.295066	0	0
KPC	4	2014		7	7/1/2014	369	30.876334	0	0
KPC	4	2014		8	8/1/2014	369	30.493851	0	0
KPC	4	2014		9	9/1/2014	369	30.429714	0	0
KPC	4	2014		10	10/1/2014	365	30.692891	0	0
KPC	4	2014		11	11/1/2014	365	29.30285	0	0
KPC	4	2014		12	12/1/2014	365	31.949241	0	0
KPC	4	2015		1	1/1/2015	363	31.367186	0	0
KPC	4	2015		2	2/1/2015	364	28.31485	0	0
KPC	4	2015		3	3/1/2015	364	30.829673	0	0
KPC	4	2015		4	4/1/2015	364	30.27409	0	0
KPC	4	2015		5	5/1/2015	362	30.422668	0	0
KPC	4	2015		6	6/1/2015	310	30.644525	0	0
KPC	4	2015		7	7/1/2015	414	30.648167	0	0
KPC	4	2015		8	8/1/2015	359	30.649443	0	0
KPC	4	2015		9	9/1/2015	358	30.075473	0	0
KPC	4	2015		10	10/1/2015	357	30.611107	0	0
KPC	4	2015		11	11/1/2015	357	30.060925	0	0
KPC	4	2015		12	12/1/2015	352	31.225384	0	0
KPC	4	2016		1	1/1/2016	352	31.209734	0	0
KPC	4	2016		2	2/1/2016	351	29.374162	0	0
KPC	4	2016		3	3/1/2016	350	30.698748	0	0
KPC	4	2016		4	4/1/2016	352	30.019654	0	0
KPC	4	2016		5	5/1/2016	351	30.795741	0	0
KPC	4	2016		6	6/1/2016	350	30.153319	0	0
KPC	4	2016		7	7/1/2016	349	30.675803	0	0
KPC	4	2016		8	8/1/2016	347	31.025628	0	0
KPC	4	2016		9	9/1/2016	372	30.108709	0	0
KPC	4	2016		10	10/1/2016	347	30.765896	0	0
KPC	4	2016		11	11/1/2016	347	29.969584	0	0
KPC	4	2016		12	12/1/2016	346	31.054039	0	0

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 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	DAYS	com1	com1slope	com2
KPC	4	2017		1	1/1/2017	347	31.661657	0	0
KPC	4	2017		2	2/1/2017	347	28.302638	0	0
KPC	4	2017		3	3/1/2017	348	30.693164	0	0
KPC	4	2017		4	4/1/2017	346	29.584703	0	0
KPC	4	2017		5	5/1/2017	345	30.92817	0	0
KPC	4	2017		6	6/1/2017	345	30.148684	0	0
KPC	4	2017		7	7/1/2017	345	30.962149	0	0
KPC	4	2017		8	8/1/2017	345	30.697073	0	0
KPC	4	2017		9	9/1/2017	341	29.95429	0	0
KPC	4	2017		10	10/1/2017	343	30.921273	0	0
KPC	4	2017		11	11/1/2017	343	30.007295	0	0
KPC	4	2017		12	12/1/2017	343	30.925421	0	0
KPC	4	2018		1	1/1/2018	342	31.738839	0	0
KPC	4	2018		2	2/1/2018	342	28.314623	0	0
KPC	4	2018		3	3/1/2018	342	30.396249	0	0
KPC	4	2018		4	4/1/2018	342	30.515421	0	0
KPC	4	2018		5	5/1/2018	341	30.658675	0	0
KPC	4	2018		6	6/1/2018	296	30.492183	0	0
KPC	4	2018		7	7/1/2018	378	30.622404	0	0
KPC	4	2018		8	8/1/2018	333	30.780571	0	0
KPC	4	2018		9	9/1/2018	332	29.756446	0	0
KPC	4	2018		10	10/1/2018	332	30.960936	0	0
KPC	4	2018		11	11/1/2018	331	30.006205	0	0
KPC	4	2018		12	12/1/2018	331	31.232478	0	0
KPC	4	2019		1	1/1/2019			0	0
KPC	4	2019		2	2/1/2019			0	0
KPC	4	2019		3	3/1/2019			0	0
KPC	4	2019		4	4/1/2019			0	0
KPC	4	2019		5	5/1/2019			0	0
KPC	4	2019		6	6/1/2019			0	0
KPC	4	2019		7	7/1/2019			0	0
KPC	4	2019		8	8/1/2019			0	0
KPC	4	2019		9	9/1/2019			0	0
KPC	4	2019		10	10/1/2019			0	0
KPC	4	2019		11	11/1/2019			0	0
KPC	4	2019		12	12/1/2019			0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	DAYS	com1	com1slope	com2
KPC	4	2020		1	1/1/2020			0	0
KPC	4	2020		2	2/1/2020			0	0
KPC	4	2020		3	3/1/2020			0	0
KPC	4	2020		4	4/1/2020			0	0
KPC	4	2020		5	5/1/2020			0	0
KPC	4	2020		6	6/1/2020			0	0
KPC	4	2020		7	7/1/2020			0	0
KPC	4	2020		8	8/1/2020			0	0
KPC	4	2020		9	9/1/2020			0	0
KPC	4	2020		10	10/1/2020			0	0
KPC	4	2020		11	11/1/2020			0	0
KPC	4	2020		12	12/1/2020			0	0
KPC	4	2021		1	1/1/2021			0	0
KPC	4	2021		2	2/1/2021			0	0
KPC	4	2021		3	3/1/2021			0	0
KPC	4	2021		4	4/1/2021			0	0
KPC	4	2021		5	5/1/2021			0	0
KPC	4	2021		6	6/1/2021			0	0
KPC	4	2021		7	7/1/2021			0	0
KPC	4	2021		8	8/1/2021			0	0
KPC	4	2021		9	9/1/2021			0	0
KPC	4	2021		10	10/1/2021			0	0
KPC	4	2021		11	11/1/2021			0	0
KPC	4	2021		12	12/1/2021			0	0

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 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	com3	com3slope	com4	ind1	or1
KPC	1	2008	1	1	0	0	0	0
KPC	1	2008	2	2	0	0	0	0
KPC	1	2008	3	3	0	0	0	0
KPC	1	2008	4	4	0	0	0	0
KPC	1	2008	5	5	0	0	0	0
KPC	1	2008	6	6	0	0	0	0
KPC	1	2008	7	7	0	0	0	0
KPC	1	2008	8	8	0	0	0	0
KPC	1	2008	9	9	0	0	0	0
KPC	1	2008	10	10	0	0	0	0
KPC	1	2008	11	11	0	0	0	0
KPC	1	2008	12	12	0	0	0	0
KPC	1	2009	1	1	0	0	0	0
KPC	1	2009	2	2	0	0	0	0
KPC	1	2009	3	3	0	0	0	0
KPC	1	2009	4	4	0	0	0	0
KPC	1	2009	5	5	0	0	0	0
KPC	1	2009	6	6	0	0	0	0
KPC	1	2009	7	7	0	0	0	0
KPC	1	2009	8	8	0	0	0	0
KPC	1	2009	9	9	0	0	0	0
KPC	1	2009	10	10	0	0	0	0
KPC	1	2009	11	11	0	0	0	0
KPC	1	2009	12	12	0	0	0	0
KPC	1	2010	1	1	0	0	0	0
KPC	1	2010	2	2	0	0	0	0
KPC	1	2010	3	3	0	0	0	0
KPC	1	2010	4	4	0	0	0	0
KPC	1	2010	5	5	0	0	0	0
KPC	1	2010	6	6	0	0	0	0
KPC	1	2010	7	7	0	0	0	0
KPC	1	2010	8	8	0	0	0	0
KPC	1	2010	9	9	0	0	0	0
KPC	1	2010	10	10	0	0	0	0
KPC	1	2010	11	11	0	0	0	0
KPC	1	2010	12	12	0	0	0	0

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 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	com3	com3slope	com4	ind1	or1
KPC	1	2011	1	1	0	0	0	0
KPC	1	2011	2	2	0	0	0	0
KPC	1	2011	3	3	0	0	0	0
KPC	1	2011	4	4	0	0	0	0
KPC	1	2011	5	5	0	0	0	0
KPC	1	2011	6	6	0	0	0	0
KPC	1	2011	7	7	0	0	0	0
KPC	1	2011	8	8	0	0	0	0
KPC	1	2011	9	9	0	0	0	0
KPC	1	2011	10	10	0	0	0	0
KPC	1	2011	11	11	0	0	0	0
KPC	1	2011	12	12	0	0	0	0
KPC	1	2012	1	1	0	0	0	0
KPC	1	2012	2	2	0	0	0	0
KPC	1	2012	3	3	0	0	0	0
KPC	1	2012	4	4	0	0	0	0
KPC	1	2012	5	5	0	0	0	0
KPC	1	2012	6	6	0	0	0	0
KPC	1	2012	7	7	0	0	0	0
KPC	1	2012	8	8	0	0	0	0
KPC	1	2012	9	9	0	0	0	0
KPC	1	2012	10	10	0	0	0	0
KPC	1	2012	11	11	0	0	0	0
KPC	1	2012	12	12	0	0	0	0
KPC	1	2013	1	1	0	0	0	0
KPC	1	2013	2	2	0	0	0	0
KPC	1	2013	3	3	0	0	0	0
KPC	1	2013	4	4	0	0	0	0
KPC	1	2013	5	5	0	0	0	0
KPC	1	2013	6	6	0	0	0	0
KPC	1	2013	7	7	0	0	0	0
KPC	1	2013	8	8	0	0	0	0
KPC	1	2013	9	9	0	0	0	0
KPC	1	2013	10	10	0	0	0	0
KPC	1	2013	11	11	0	0	0	0
KPC	1	2013	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	com3	com3slope	com4	ind1	or1
KPC	1	2014	1	1	0	0	0	0
KPC	1	2014	2	2	0	0	0	0
KPC	1	2014	3	3	0	0	0	0
KPC	1	2014	4	4	0	0	0	0
KPC	1	2014	5	5	0	0	0	0
KPC	1	2014	6	6	0	0	0	0
KPC	1	2014	7	7	0	0	0	0
KPC	1	2014	8	8	0	0	0	0
KPC	1	2014	9	9	0	0	0	0
KPC	1	2014	10	10	0	0	0	0
KPC	1	2014	11	11	0	0	0	0
KPC	1	2014	12	12	0	0	0	0
KPC	1	2015	1	1	0	0	0	0
KPC	1	2015	2	2	0	0	0	0
KPC	1	2015	3	3	0	0	0	0
KPC	1	2015	4	4	0	0	0	0
KPC	1	2015	5	5	0	0	0	0
KPC	1	2015	6	6	0	0	0	0
KPC	1	2015	7	7	0	0	0	0
KPC	1	2015	8	8	0	0	0	0
KPC	1	2015	9	9	0	0	0	0
KPC	1	2015	10	10	0	0	0	0
KPC	1	2015	11	11	0	0	0	0
KPC	1	2015	12	12	0	0	0	0
KPC	1	2016	1	1	0	0	0	0
KPC	1	2016	2	2	0	0	0	0
KPC	1	2016	3	3	0	0	0	0
KPC	1	2016	4	4	0	0	0	0
KPC	1	2016	5	5	0	0	0	0
KPC	1	2016	6	6	0	0	0	0
KPC	1	2016	7	7	0	0	0	0
KPC	1	2016	8	8	0	0	0	0
KPC	1	2016	9	9	0	0	0	0
KPC	1	2016	10	10	0	0	0	0
KPC	1	2016	11	11	0	0	0	0
KPC	1	2016	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	com3	com3slope	com4	ind1	or1
KPC	1	2017	1	1	0	0	0	0
KPC	1	2017	2	2	0	0	0	0
KPC	1	2017	3	3	0	0	0	0
KPC	1	2017	4	4	0	0	0	0
KPC	1	2017	5	5	0	0	0	0
KPC	1	2017	6	6	0	0	0	0
KPC	1	2017	7	7	0	0	0	0
KPC	1	2017	8	8	0	0	0	0
KPC	1	2017	9	9	0	0	0	0
KPC	1	2017	10	10	0	0	0	0
KPC	1	2017	11	11	0	0	0	0
KPC	1	2017	12	12	0	0	0	0
KPC	1	2018	1	1	0	0	0	0
KPC	1	2018	2	2	0	0	0	0
KPC	1	2018	3	3	0	0	0	0
KPC	1	2018	4	4	0	0	0	0
KPC	1	2018	5	5	0	0	0	0
KPC	1	2018	6	6	0	0	0	0
KPC	1	2018	7	7	0	0	0	0
KPC	1	2018	8	8	0	0	0	0
KPC	1	2018	9	9	0	0	0	0
KPC	1	2018	10	10	0	0	0	0
KPC	1	2018	11	11	0	0	0	0
KPC	1	2018	12	12	0	0	0	0
KPC	1	2019	1	1	0	0	0	0
KPC	1	2019	2	2	0	0	0	0
KPC	1	2019	3	3	0	0	0	0
KPC	1	2019	4	4	0	0	0	0
KPC	1	2019	5	5	0	0	0	0
KPC	1	2019	6	6	0	0	0	0
KPC	1	2019	7	7	0	0	0	0
KPC	1	2019	8	8	0	0	0	0
KPC	1	2019	9	9	0	0	0	0
KPC	1	2019	10	10	0	0	0	0
KPC	1	2019	11	11	0	0	0	0
KPC	1	2019	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	com3	com3slope	com4	ind1	or1
KPC	1	2020	1	1	0	0	0	0
KPC	1	2020	2	2	0	0	0	0
KPC	1	2020	3	3	0	0	0	0
KPC	1	2020	4	4	0	0	0	0
KPC	1	2020	5	5	0	0	0	0
KPC	1	2020	6	6	0	0	0	0
KPC	1	2020	7	7	0	0	0	0
KPC	1	2020	8	8	0	0	0	0
KPC	1	2020	9	9	0	0	0	0
KPC	1	2020	10	10	0	0	0	0
KPC	1	2020	11	11	0	0	0	0
KPC	1	2020	12	12	0	0	0	0
KPC	1	2021	1	1	0	0	0	0
KPC	1	2021	2	2	0	0	0	0
KPC	1	2021	3	3	0	0	0	0
KPC	1	2021	4	4	0	0	0	0
KPC	1	2021	5	5	0	0	0	0
KPC	1	2021	6	6	0	0	0	0
KPC	1	2021	7	7	0	0	0	0
KPC	1	2021	8	8	0	0	0	0
KPC	1	2021	9	9	0	0	0	0
KPC	1	2021	10	10	0	0	0	0
KPC	1	2021	11	11	0	0	0	0
KPC	1	2021	12	12	0	0	0	0
KPC	2	2008	1	1	0	0	0	0
KPC	2	2008	2	2	0	0	0	0
KPC	2	2008	3	3	0	0	0	0
KPC	2	2008	4	4	0	0	0	0
KPC	2	2008	5	5	0	0	0	0
KPC	2	2008	6	6	0	0	0	0
KPC	2	2008	7	7	0	0	0	0
KPC	2	2008	8	8	0	0	0	0
KPC	2	2008	9	9	0	0	0	0
KPC	2	2008	10	10	0	0	0	0
KPC	2	2008	11	11	0	0	0	0
KPC	2	2008	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	com3	com3slope	com4	ind1	or1
KPC	2	2009	1	1	0	0	0	0
KPC	2	2009	2	2	0	0	0	0
KPC	2	2009	3	3	0	0	0	0
KPC	2	2009	4	4	0	0	0	0
KPC	2	2009	5	5	0	0	0	0
KPC	2	2009	6	6	0	0	0	0
KPC	2	2009	7	7	0	0	0	0
KPC	2	2009	8	8	0	0	0	0
KPC	2	2009	9	9	0	0	0	0
KPC	2	2009	10	10	0	0	0	0
KPC	2	2009	11	11	0	0	0	0
KPC	2	2009	12	12	0	0	0	0
KPC	2	2010	1	1	0	0	0	0
KPC	2	2010	2	2	0	0	0	0
KPC	2	2010	3	3	0	0	0	0
KPC	2	2010	4	4	0	0	0	0
KPC	2	2010	5	5	0	0	0	0
KPC	2	2010	6	6	0	0	0	0
KPC	2	2010	7	7	0	0	0	0
KPC	2	2010	8	8	0	0	0	0
KPC	2	2010	9	9	0	0	0	0
KPC	2	2010	10	10	0	0	0	0
KPC	2	2010	11	11	0	0	0	0
KPC	2	2010	12	12	0	0	0	0
KPC	2	2011	1	1	0	0	0	0
KPC	2	2011	2	2	0	0	0	0
KPC	2	2011	3	3	0	0	0	0
KPC	2	2011	4	4	0	0	0	0
KPC	2	2011	5	5	0	0	0	0
KPC	2	2011	6	6	0	0	0	0
KPC	2	2011	7	7	0	0	0	0
KPC	2	2011	8	8	0	0	0	0
KPC	2	2011	9	9	0	0	0	0
KPC	2	2011	10	10	0	0	0	0
KPC	2	2011	11	11	0	0	0	0
KPC	2	2011	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	com3	com3slope	com4	ind1	or1
KPC	2	2012	1	1	0	0	0	0
KPC	2	2012	2	2	0	0	0	0
KPC	2	2012	3	3	0	0	0	0
KPC	2	2012	4	4	0	0	0	0
KPC	2	2012	5	5	0	0	0	0
KPC	2	2012	6	6	0	0	0	0
KPC	2	2012	7	7	0	0	0	0
KPC	2	2012	8	8	0	0	0	0
KPC	2	2012	9	9	0	0	0	0
KPC	2	2012	10	10	0	0	0	0
KPC	2	2012	11	11	0	0	0	0
KPC	2	2012	12	12	0	0	0	0
KPC	2	2013	1	1	0	0	0	0
KPC	2	2013	2	2	0	0	0	0
KPC	2	2013	3	3	0	0	0	0
KPC	2	2013	4	4	0	0	0	0
KPC	2	2013	5	5	0	0	0	0
KPC	2	2013	6	6	0	0	0	0
KPC	2	2013	7	7	0	0	0	0
KPC	2	2013	8	8	0	0	0	0
KPC	2	2013	9	9	0	0	0	0
KPC	2	2013	10	10	0	0	0	0
KPC	2	2013	11	11	0	0	0	0
KPC	2	2013	12	12	0	0	0	0
KPC	2	2014	1	1	0	0	0	0
KPC	2	2014	2	2	0	0	0	0
KPC	2	2014	3	3	0	0	0	0
KPC	2	2014	4	4	0	0	0	0
KPC	2	2014	5	5	0	0	0	0
KPC	2	2014	6	6	0	0	0	0
KPC	2	2014	7	7	0	0	0	0
KPC	2	2014	8	8	0	0	0	0
KPC	2	2014	9	9	0	0	0	0
KPC	2	2014	10	10	0	0	0	0
KPC	2	2014	11	11	0	0	0	0
KPC	2	2014	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	com3	com3slope	com4	ind1	or1
KPC	2	2015	1	0	0	0	0	0
KPC	2	2015	2	0	0	0	0	0
KPC	2	2015	3	0	0	0	0	0
KPC	2	2015	4	0	0	0	0	0
KPC	2	2015	5	0	0	0	0	0
KPC	2	2015	6	0	0	0	0	0
KPC	2	2015	7	0	0	0	1	0
KPC	2	2015	8	0	0	0	1	0
KPC	2	2015	9	0	0	0	0	0
KPC	2	2015	10	1	20362	0	0	0
KPC	2	2015	11	1	20393	0	0	0
KPC	2	2015	12	1	20423	0	0	0
KPC	2	2016	1	1	20454	0	0	0
KPC	2	2016	2	1	20485	0	0	0
KPC	2	2016	3	1	20514	0	0	0
KPC	2	2016	4	1	20545	0	0	0
KPC	2	2016	5	1	20575	0	0	0
KPC	2	2016	6	1	20606	0	0	0
KPC	2	2016	7	1	20636	0	0	0
KPC	2	2016	8	1	20667	0	0	0
KPC	2	2016	9	1	20698	0	0	0
KPC	2	2016	10	1	20728	0	0	0
KPC	2	2016	11	1	20759	0	0	0
KPC	2	2016	12	1	20789	0	0	0
KPC	2	2017	1	1	20820	0	0	0
KPC	2	2017	2	1	20851	0	0	0
KPC	2	2017	3	1	20879	0	0	0
KPC	2	2017	4	1	20910	0	0	0
KPC	2	2017	5	1	20940	0	0	0
KPC	2	2017	6	1	20971	0	0	0
KPC	2	2017	7	1	21001	0	0	0
KPC	2	2017	8	1	21032	0	0	0
KPC	2	2017	9	1	21063	0	0	0
KPC	2	2017	10	1	21093	0	0	0
KPC	2	2017	11	1	21124	0	0	0
KPC	2	2017	12	1	21154	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	com3	com3slope	com4	ind1	or1
KPC	2	2018	1	1	21185		0	0
KPC	2	2018	2	1	21216		0	0
KPC	2	2018	3	1	21244		0	0
KPC	2	2018	4	1	21275		0	0
KPC	2	2018	5	1	21305		0	0
KPC	2	2018	6	1	21336		0	0
KPC	2	2018	7	1	21366		0	0
KPC	2	2018	8	1	21397		0	0
KPC	2	2018	9	1	21428		0	0
KPC	2	2018	10	1	21458		0	0
KPC	2	2018	11	1	21489		0	0
KPC	2	2018	12	1	21519		0	0
KPC	2	2019	1	1	21550		0	0
KPC	2	2019	2	1	21581		0	0
KPC	2	2019	3	1	21609		0	0
KPC	2	2019	4	1	21640		0	0
KPC	2	2019	5	1	21670		0	0
KPC	2	2019	6	1	21701		0	0
KPC	2	2019	7	1	21731		0	0
KPC	2	2019	8	1	21762		0	0
KPC	2	2019	9	1	21793		0	0
KPC	2	2019	10	1	21823		0	0
KPC	2	2019	11	1	21854		0	0
KPC	2	2019	12	1	21884		0	0
KPC	2	2020	1	1	21915		0	0
KPC	2	2020	2	1	21946		0	0
KPC	2	2020	3	1	21975		0	0
KPC	2	2020	4	1	22006		0	0
KPC	2	2020	5	1	22036		0	0
KPC	2	2020	6	1	22067		0	0
KPC	2	2020	7	1	22097		0	0
KPC	2	2020	8	1	22128		0	0
KPC	2	2020	9	1	22159		0	0
KPC	2	2020	10	1	22189		0	0
KPC	2	2020	11	1	22220		0	0
KPC	2	2020	12	1	22250		0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	com3	com3slope	com4	ind1	or1
KPC	2	2021	1	1	22281		0	0
KPC	2	2021	2	1	22312		0	0
KPC	2	2021	3	1	22340		0	0
KPC	2	2021	4	1	22371		0	0
KPC	2	2021	5	1	22401		0	0
KPC	2	2021	6	1	22432		0	0
KPC	2	2021	7	1	22462		0	0
KPC	2	2021	8	1	22493		0	0
KPC	2	2021	9	1	22524		0	0
KPC	2	2021	10	1	22554		0	0
KPC	2	2021	11	1	22585		0	0
KPC	2	2021	12	1	22615		0	0
KPC	3.1	2008	1	0	0		0	0
KPC	3.1	2008	2	0	0		0	0
KPC	3.1	2008	3	0	0		0	0
KPC	3.1	2008	4	0	0		0	0
KPC	3.1	2008	5	0	0		0	0
KPC	3.1	2008	6	0	0		0	0
KPC	3.1	2008	7	0	0		0	0
KPC	3.1	2008	8	0	0		0	0
KPC	3.1	2008	9	0	0		0	0
KPC	3.1	2008	10	0	0		0	0
KPC	3.1	2008	11	0	0		0	0
KPC	3.1	2008	12	0	0		0	0
KPC	3.1	2009	1	0	0		0	0
KPC	3.1	2009	2	0	0		0	0
KPC	3.1	2009	3	0	0		0	0
KPC	3.1	2009	4	0	0		0	0
KPC	3.1	2009	5	0	0		0	0
KPC	3.1	2009	6	0	0		0	0
KPC	3.1	2009	7	0	0		0	0
KPC	3.1	2009	8	0	0		0	0
KPC	3.1	2009	9	0	0		0	0
KPC	3.1	2009	10	0	0		0	0
KPC	3.1	2009	11	0	0		0	0
KPC	3.1	2009	12	0	0		0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	com3	com3slope	com4	ind1	or1
KPC	3.1	2010	1	1	0	0	0	0
KPC	3.1	2010	2	2	0	0	0	0
KPC	3.1	2010	3	3	0	0	0	0
KPC	3.1	2010	4	4	0	0	0	0
KPC	3.1	2010	5	5	0	0	0	0
KPC	3.1	2010	6	6	0	0	0	0
KPC	3.1	2010	7	7	0	0	0	0
KPC	3.1	2010	8	8	0	0	0	0
KPC	3.1	2010	9	9	0	0	0	0
KPC	3.1	2010	10	10	0	0	0	0
KPC	3.1	2010	11	11	0	0	0	0
KPC	3.1	2010	12	12	0	0	0	0
KPC	3.1	2011	1	1	0	0	0	0
KPC	3.1	2011	2	2	0	0	0	0
KPC	3.1	2011	3	3	0	0	0	0
KPC	3.1	2011	4	4	0	0	0	0
KPC	3.1	2011	5	5	0	0	0	0
KPC	3.1	2011	6	6	0	0	0	0
KPC	3.1	2011	7	7	0	0	0	0
KPC	3.1	2011	8	8	0	0	0	0
KPC	3.1	2011	9	9	0	0	0	0
KPC	3.1	2011	10	10	0	0	0	0
KPC	3.1	2011	11	11	0	0	0	0
KPC	3.1	2011	12	12	0	0	0	0
KPC	3.1	2012	1	1	0	0	0	0
KPC	3.1	2012	2	2	0	0	0	0
KPC	3.1	2012	3	3	0	0	0	0
KPC	3.1	2012	4	4	0	0	0	0
KPC	3.1	2012	5	5	0	0	0	0
KPC	3.1	2012	6	6	0	0	0	0
KPC	3.1	2012	7	7	0	0	0	0
KPC	3.1	2012	8	8	0	0	0	0
KPC	3.1	2012	9	9	0	0	0	0
KPC	3.1	2012	10	10	0	0	0	0
KPC	3.1	2012	11	11	0	0	0	0
KPC	3.1	2012	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	com3	com3slope	com4	ind1	or1
KPC	3.1	2013	1	1	0	0	0	0
KPC	3.1	2013	2	2	0	0	0	0
KPC	3.1	2013	3	3	0	0	0	0
KPC	3.1	2013	4	4	0	0	0	0
KPC	3.1	2013	5	5	0	0	0	0
KPC	3.1	2013	6	6	0	0	0	0
KPC	3.1	2013	7	7	0	0	0	0
KPC	3.1	2013	8	8	0	0	0	0
KPC	3.1	2013	9	9	0	0	0	0
KPC	3.1	2013	10	10	0	0	0	0
KPC	3.1	2013	11	11	0	0	0	0
KPC	3.1	2013	12	12	0	0	0	0
KPC	3.1	2014	1	1	0	0	0	0
KPC	3.1	2014	2	2	0	0	0	0
KPC	3.1	2014	3	3	0	0	0	0
KPC	3.1	2014	4	4	0	0	0	0
KPC	3.1	2014	5	5	0	0	0	0
KPC	3.1	2014	6	6	0	0	0	0
KPC	3.1	2014	7	7	0	0	0	0
KPC	3.1	2014	8	8	0	0	0	0
KPC	3.1	2014	9	9	0	0	0	0
KPC	3.1	2014	10	10	0	0	0	0
KPC	3.1	2014	11	11	0	0	0	0
KPC	3.1	2014	12	12	0	0	0	0
KPC	3.1	2015	1	1	0	0	0	0
KPC	3.1	2015	2	2	0	0	0	0
KPC	3.1	2015	3	3	0	0	0	0
KPC	3.1	2015	4	4	0	0	0	0
KPC	3.1	2015	5	5	0	0	0	0
KPC	3.1	2015	6	6	0	0	0	0
KPC	3.1	2015	7	7	0	0	0	0
KPC	3.1	2015	8	8	0	0	0	0
KPC	3.1	2015	9	9	0	0	0	0
KPC	3.1	2015	10	10	0	0	0	0
KPC	3.1	2015	11	11	0	0	0	0
KPC	3.1	2015	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	com3	com3slope	com4	ind1	or1
KPC	3.1	2016	1	1	0	0	0	0
KPC	3.1	2016	2	2	0	0	0	0
KPC	3.1	2016	3	3	0	0	0	0
KPC	3.1	2016	4	4	0	0	0	0
KPC	3.1	2016	5	5	0	0	0	0
KPC	3.1	2016	6	6	0	0	0	0
KPC	3.1	2016	7	7	0	0	0	0
KPC	3.1	2016	8	8	0	0	0	0
KPC	3.1	2016	9	9	0	0	0	0
KPC	3.1	2016	10	10	0	0	0	0
KPC	3.1	2016	11	11	0	0	0	0
KPC	3.1	2016	12	12	0	0	0	0
KPC	3.1	2017	1	1	0	0	0	0
KPC	3.1	2017	2	2	0	0	0	0
KPC	3.1	2017	3	3	0	0	0	0
KPC	3.1	2017	4	4	0	0	0	0
KPC	3.1	2017	5	5	0	0	0	0
KPC	3.1	2017	6	6	0	0	0	0
KPC	3.1	2017	7	7	0	0	0	0
KPC	3.1	2017	8	8	0	0	0	0
KPC	3.1	2017	9	9	0	0	0	0
KPC	3.1	2017	10	10	0	0	0	0
KPC	3.1	2017	11	11	0	0	0	0
KPC	3.1	2017	12	12	0	0	0	0
KPC	3.1	2018	1	1	0	0	0	0
KPC	3.1	2018	2	2	0	0	0	0
KPC	3.1	2018	3	3	0	0	0	0
KPC	3.1	2018	4	4	0	0	0	0
KPC	3.1	2018	5	5	0	0	0	0
KPC	3.1	2018	6	6	0	0	0	0
KPC	3.1	2018	7	7	0	0	0	0
KPC	3.1	2018	8	8	0	0	0	0
KPC	3.1	2018	9	9	0	0	0	0
KPC	3.1	2018	10	10	0	0	0	0
KPC	3.1	2018	11	11	0	0	0	1
KPC	3.1	2018	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	com3	com3slope	com4	ind1	or1
KPC	3.1	2019	1	1	0	0	0	0
KPC	3.1	2019	2	2	0	0	0	0
KPC	3.1	2019	3	3	0	0	0	0
KPC	3.1	2019	4	4	0	0	0	0
KPC	3.1	2019	5	5	0	0	0	0
KPC	3.1	2019	6	6	0	0	0	0
KPC	3.1	2019	7	7	0	0	0	0
KPC	3.1	2019	8	8	0	0	0	0
KPC	3.1	2019	9	9	0	0	0	0
KPC	3.1	2019	10	10	0	0	0	0
KPC	3.1	2019	11	11	0	0	0	0
KPC	3.1	2019	12	12	0	0	0	0
KPC	3.1	2020	1	1	0	0	0	0
KPC	3.1	2020	2	2	0	0	0	0
KPC	3.1	2020	3	3	0	0	0	0
KPC	3.1	2020	4	4	0	0	0	0
KPC	3.1	2020	5	5	0	0	0	0
KPC	3.1	2020	6	6	0	0	0	0
KPC	3.1	2020	7	7	0	0	0	0
KPC	3.1	2020	8	8	0	0	0	0
KPC	3.1	2020	9	9	0	0	0	0
KPC	3.1	2020	10	10	0	0	0	0
KPC	3.1	2020	11	11	0	0	0	0
KPC	3.1	2020	12	12	0	0	0	0
KPC	3.1	2021	1	1	0	0	0	0
KPC	3.1	2021	2	2	0	0	0	0
KPC	3.1	2021	3	3	0	0	0	0
KPC	3.1	2021	4	4	0	0	0	0
KPC	3.1	2021	5	5	0	0	0	0
KPC	3.1	2021	6	6	0	0	0	0
KPC	3.1	2021	7	7	0	0	0	0
KPC	3.1	2021	8	8	0	0	0	0
KPC	3.1	2021	9	9	0	0	0	0
KPC	3.1	2021	10	10	0	0	0	0
KPC	3.1	2021	11	11	0	0	0	0
KPC	3.1	2021	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	com3	com3slope	com4	ind1	or1
KPC	3.15	2008	1	1	0	0	0	0
KPC	3.15	2008	2	2	0	0	0	0
KPC	3.15	2008	3	3	0	0	0	0
KPC	3.15	2008	4	4	0	0	0	0
KPC	3.15	2008	5	5	0	0	0	0
KPC	3.15	2008	6	6	0	0	0	0
KPC	3.15	2008	7	7	0	0	0	0
KPC	3.15	2008	8	8	0	0	0	0
KPC	3.15	2008	9	9	0	0	0	0
KPC	3.15	2008	10	10	0	0	0	0
KPC	3.15	2008	11	11	0	0	0	0
KPC	3.15	2008	12	12	0	0	0	0
KPC	3.15	2009	1	1	0	0	0	0
KPC	3.15	2009	2	2	0	0	0	0
KPC	3.15	2009	3	3	0	0	0	0
KPC	3.15	2009	4	4	0	0	0	0
KPC	3.15	2009	5	5	0	0	0	0
KPC	3.15	2009	6	6	0	0	0	0
KPC	3.15	2009	7	7	0	0	0	0
KPC	3.15	2009	8	8	0	0	0	0
KPC	3.15	2009	9	9	0	0	0	0
KPC	3.15	2009	10	10	0	0	0	0
KPC	3.15	2009	11	11	0	0	0	0
KPC	3.15	2009	12	12	0	0	0	0
KPC	3.15	2010	1	1	0	0	0	0
KPC	3.15	2010	2	2	0	0	0	0
KPC	3.15	2010	3	3	0	0	0	0
KPC	3.15	2010	4	4	0	0	0	0
KPC	3.15	2010	5	5	0	0	0	0
KPC	3.15	2010	6	6	0	0	0	0
KPC	3.15	2010	7	7	0	0	0	0
KPC	3.15	2010	8	8	0	0	0	0
KPC	3.15	2010	9	9	0	0	0	0
KPC	3.15	2010	10	10	0	0	0	0
KPC	3.15	2010	11	11	0	0	0	0
KPC	3.15	2010	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	com3	com3slope	com4	ind1	or1
KPC	3.15	2011	1	1	0	0	0	0
KPC	3.15	2011	2	2	0	0	0	0
KPC	3.15	2011	3	3	0	0	0	0
KPC	3.15	2011	4	4	0	0	0	0
KPC	3.15	2011	5	5	0	0	0	0
KPC	3.15	2011	6	6	0	0	0	0
KPC	3.15	2011	7	7	0	0	0	0
KPC	3.15	2011	8	8	0	0	0	0
KPC	3.15	2011	9	9	0	0	0	0
KPC	3.15	2011	10	10	0	0	0	0
KPC	3.15	2011	11	11	0	0	0	0
KPC	3.15	2011	12	12	0	0	0	0
KPC	3.15	2012	1	1	0	0	0	0
KPC	3.15	2012	2	2	0	0	0	0
KPC	3.15	2012	3	3	0	0	0	0
KPC	3.15	2012	4	4	0	0	0	0
KPC	3.15	2012	5	5	0	0	0	0
KPC	3.15	2012	6	6	0	0	0	0
KPC	3.15	2012	7	7	0	0	0	0
KPC	3.15	2012	8	8	0	0	0	0
KPC	3.15	2012	9	9	0	0	0	0
KPC	3.15	2012	10	10	0	0	0	0
KPC	3.15	2012	11	11	0	0	0	0
KPC	3.15	2012	12	12	0	0	0	0
KPC	3.15	2013	1	1	0	0	0	0
KPC	3.15	2013	2	2	0	0	0	0
KPC	3.15	2013	3	3	0	0	0	0
KPC	3.15	2013	4	4	0	0	0	0
KPC	3.15	2013	5	5	0	0	0	0
KPC	3.15	2013	6	6	0	0	0	0
KPC	3.15	2013	7	7	0	0	0	0
KPC	3.15	2013	8	8	0	0	0	0
KPC	3.15	2013	9	9	0	0	0	0
KPC	3.15	2013	10	10	0	0	0	0
KPC	3.15	2013	11	11	0	0	0	0
KPC	3.15	2013	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	com3	com3slope	com4	ind1	or1
KPC	3.15	2014	1	1	0	0	0	0
KPC	3.15	2014	2	2	0	0	0	0
KPC	3.15	2014	3	3	0	0	0	0
KPC	3.15	2014	4	4	0	0	0	0
KPC	3.15	2014	5	5	0	0	0	0
KPC	3.15	2014	6	6	0	0	0	0
KPC	3.15	2014	7	7	0	0	0	0
KPC	3.15	2014	8	8	0	0	0	0
KPC	3.15	2014	9	9	0	0	0	0
KPC	3.15	2014	10	10	0	0	0	0
KPC	3.15	2014	11	11	0	0	0	0
KPC	3.15	2014	12	12	0	0	0	0
KPC	3.15	2015	1	1	0	0	0	0
KPC	3.15	2015	2	2	0	0	0	0
KPC	3.15	2015	3	3	0	0	0	0
KPC	3.15	2015	4	4	0	0	0	0
KPC	3.15	2015	5	5	0	0	0	0
KPC	3.15	2015	6	6	0	0	0	0
KPC	3.15	2015	7	7	0	0	0	0
KPC	3.15	2015	8	8	0	0	0	0
KPC	3.15	2015	9	9	0	0	0	0
KPC	3.15	2015	10	10	0	0	0	0
KPC	3.15	2015	11	11	0	0	0	0
KPC	3.15	2015	12	12	0	0	0	0
KPC	3.15	2016	1	1	0	0	0	0
KPC	3.15	2016	2	2	0	0	0	0
KPC	3.15	2016	3	3	0	0	0	0
KPC	3.15	2016	4	4	0	0	0	0
KPC	3.15	2016	5	5	0	0	0	0
KPC	3.15	2016	6	6	0	0	0	0
KPC	3.15	2016	7	7	0	0	0	0
KPC	3.15	2016	8	8	0	0	0	0
KPC	3.15	2016	9	9	0	0	0	0
KPC	3.15	2016	10	10	0	0	0	0
KPC	3.15	2016	11	11	0	0	0	0
KPC	3.15	2016	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	com3	com3slope	com4	ind1	or1
KPC	3.15	2017	1	1	0	0	0	0
KPC	3.15	2017	2	2	0	0	0	0
KPC	3.15	2017	3	3	0	0	0	0
KPC	3.15	2017	4	4	0	0	0	0
KPC	3.15	2017	5	5	0	0	0	0
KPC	3.15	2017	6	6	0	0	0	0
KPC	3.15	2017	7	7	0	0	0	0
KPC	3.15	2017	8	8	0	0	0	0
KPC	3.15	2017	9	9	0	0	0	0
KPC	3.15	2017	10	10	0	0	0	0
KPC	3.15	2017	11	11	0	0	0	0
KPC	3.15	2017	12	12	0	0	0	0
KPC	3.15	2018	1	1	0	0	0	0
KPC	3.15	2018	2	2	0	0	0	0
KPC	3.15	2018	3	3	0	0	0	0
KPC	3.15	2018	4	4	0	0	0	0
KPC	3.15	2018	5	5	0	0	0	0
KPC	3.15	2018	6	6	0	0	0	0
KPC	3.15	2018	7	7	0	0	0	0
KPC	3.15	2018	8	8	0	0	0	0
KPC	3.15	2018	9	9	0	0	0	0
KPC	3.15	2018	10	10	0	0	0	0
KPC	3.15	2018	11	11	0	0	0	0
KPC	3.15	2018	12	12	0	0	0	0
KPC	3.15	2019	1	1	0	0	0	0
KPC	3.15	2019	2	2	0	0	0	0
KPC	3.15	2019	3	3	0	0	0	0
KPC	3.15	2019	4	4	0	0	0	0
KPC	3.15	2019	5	5	0	0	0	0
KPC	3.15	2019	6	6	0	0	0	0
KPC	3.15	2019	7	7	0	0	0	0
KPC	3.15	2019	8	8	0	0	0	0
KPC	3.15	2019	9	9	0	0	0	0
KPC	3.15	2019	10	10	0	0	0	0
KPC	3.15	2019	11	11	0	0	0	0
KPC	3.15	2019	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	com3	com3slope	com4	ind1	or1
KPC	3.15	2020	1	1	0	0	0	0
KPC	3.15	2020	2	2	0	0	0	0
KPC	3.15	2020	3	3	0	0	0	0
KPC	3.15	2020	4	4	0	0	0	0
KPC	3.15	2020	5	5	0	0	0	0
KPC	3.15	2020	6	6	0	0	0	0
KPC	3.15	2020	7	7	0	0	0	0
KPC	3.15	2020	8	8	0	0	0	0
KPC	3.15	2020	9	9	0	0	0	0
KPC	3.15	2020	10	10	0	0	0	0
KPC	3.15	2020	11	11	0	0	0	0
KPC	3.15	2020	12	12	0	0	0	0
KPC	3.15	2021	1	1	0	0	0	0
KPC	3.15	2021	2	2	0	0	0	0
KPC	3.15	2021	3	3	0	0	0	0
KPC	3.15	2021	4	4	0	0	0	0
KPC	3.15	2021	5	5	0	0	0	0
KPC	3.15	2021	6	6	0	0	0	0
KPC	3.15	2021	7	7	0	0	0	0
KPC	3.15	2021	8	8	0	0	0	0
KPC	3.15	2021	9	9	0	0	0	0
KPC	3.15	2021	10	10	0	0	0	0
KPC	3.15	2021	11	11	0	0	0	0
KPC	3.15	2021	12	12	0	0	0	0
KPC	3.2	2008	1	1	0	0	0	0
KPC	3.2	2008	2	2	0	0	0	0
KPC	3.2	2008	3	3	0	0	0	0
KPC	3.2	2008	4	4	0	0	0	0
KPC	3.2	2008	5	5	0	0	0	0
KPC	3.2	2008	6	6	0	0	0	0
KPC	3.2	2008	7	7	0	0	0	0
KPC	3.2	2008	8	8	0	0	0	0
KPC	3.2	2008	9	9	0	0	0	0
KPC	3.2	2008	10	10	0	0	0	0
KPC	3.2	2008	11	11	0	0	0	0
KPC	3.2	2008	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	com3	com3slope	com4	ind1	or1
KPC	3.2	2009	1	1	0	0	0	0
KPC	3.2	2009	2	2	0	0	0	0
KPC	3.2	2009	3	3	0	0	0	0
KPC	3.2	2009	4	4	0	0	0	0
KPC	3.2	2009	5	5	0	0	0	0
KPC	3.2	2009	6	6	0	0	0	0
KPC	3.2	2009	7	7	0	0	0	0
KPC	3.2	2009	8	8	0	0	0	0
KPC	3.2	2009	9	9	0	0	0	0
KPC	3.2	2009	10	10	0	0	0	0
KPC	3.2	2009	11	11	0	0	0	0
KPC	3.2	2009	12	12	0	0	0	0
KPC	3.2	2010	1	1	0	0	0	0
KPC	3.2	2010	2	2	0	0	0	0
KPC	3.2	2010	3	3	0	0	0	0
KPC	3.2	2010	4	4	0	0	0	0
KPC	3.2	2010	5	5	0	0	0	0
KPC	3.2	2010	6	6	0	0	0	0
KPC	3.2	2010	7	7	0	0	0	0
KPC	3.2	2010	8	8	0	0	0	0
KPC	3.2	2010	9	9	0	0	0	0
KPC	3.2	2010	10	10	0	0	0	0
KPC	3.2	2010	11	11	0	0	0	0
KPC	3.2	2010	12	12	0	0	0	0
KPC	3.2	2011	1	1	0	0	0	0
KPC	3.2	2011	2	2	0	0	0	0
KPC	3.2	2011	3	3	0	0	0	0
KPC	3.2	2011	4	4	0	0	0	0
KPC	3.2	2011	5	5	0	0	0	0
KPC	3.2	2011	6	6	0	0	0	0
KPC	3.2	2011	7	7	0	0	0	0
KPC	3.2	2011	8	8	0	0	0	0
KPC	3.2	2011	9	9	0	0	0	0
KPC	3.2	2011	10	10	0	0	0	0
KPC	3.2	2011	11	11	0	0	0	0
KPC	3.2	2011	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	com3	com3slope	com4	ind1	or1
KPC	3.2	2012	1	1	0	0	0	0
KPC	3.2	2012	2	2	0	0	0	0
KPC	3.2	2012	3	3	0	0	0	0
KPC	3.2	2012	4	4	0	0	0	0
KPC	3.2	2012	5	5	0	0	0	0
KPC	3.2	2012	6	6	0	0	0	0
KPC	3.2	2012	7	7	0	0	0	0
KPC	3.2	2012	8	8	0	0	0	0
KPC	3.2	2012	9	9	0	0	0	0
KPC	3.2	2012	10	10	0	0	0	0
KPC	3.2	2012	11	11	0	0	0	0
KPC	3.2	2012	12	12	0	0	0	0
KPC	3.2	2013	1	1	0	0	0	0
KPC	3.2	2013	2	2	0	0	0	0
KPC	3.2	2013	3	3	0	0	0	0
KPC	3.2	2013	4	4	0	0	0	0
KPC	3.2	2013	5	5	0	0	0	0
KPC	3.2	2013	6	6	0	0	0	0
KPC	3.2	2013	7	7	0	0	0	0
KPC	3.2	2013	8	8	0	0	0	0
KPC	3.2	2013	9	9	0	0	0	0
KPC	3.2	2013	10	10	0	0	0	0
KPC	3.2	2013	11	11	0	0	0	0
KPC	3.2	2013	12	12	0	0	0	0
KPC	3.2	2014	1	1	0	0	0	0
KPC	3.2	2014	2	2	0	0	0	0
KPC	3.2	2014	3	3	0	0	0	0
KPC	3.2	2014	4	4	0	0	0	0
KPC	3.2	2014	5	5	0	0	0	0
KPC	3.2	2014	6	6	0	0	0	0
KPC	3.2	2014	7	7	0	0	0	0
KPC	3.2	2014	8	8	0	0	0	0
KPC	3.2	2014	9	9	0	0	0	0
KPC	3.2	2014	10	10	0	0	0	0
KPC	3.2	2014	11	11	0	0	0	0
KPC	3.2	2014	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	com3	com3slope	com4	ind1	or1
KPC	3.2	2015	1	1	0	0	0	0
KPC	3.2	2015	2	2	0	0	0	0
KPC	3.2	2015	3	3	0	0	0	0
KPC	3.2	2015	4	4	0	0	0	0
KPC	3.2	2015	5	5	0	0	0	0
KPC	3.2	2015	6	6	0	0	0	0
KPC	3.2	2015	7	7	0	0	0	0
KPC	3.2	2015	8	8	0	0	0	0
KPC	3.2	2015	9	9	0	0	0	0
KPC	3.2	2015	10	10	0	0	0	0
KPC	3.2	2015	11	11	0	0	0	0
KPC	3.2	2015	12	12	0	0	0	0
KPC	3.2	2016	1	1	0	0	0	0
KPC	3.2	2016	2	2	0	0	0	0
KPC	3.2	2016	3	3	0	0	0	0
KPC	3.2	2016	4	4	0	0	0	0
KPC	3.2	2016	5	5	0	0	0	0
KPC	3.2	2016	6	6	0	0	0	0
KPC	3.2	2016	7	7	0	0	0	0
KPC	3.2	2016	8	8	0	0	0	0
KPC	3.2	2016	9	9	0	0	0	0
KPC	3.2	2016	10	10	0	0	0	0
KPC	3.2	2016	11	11	0	0	0	0
KPC	3.2	2016	12	12	0	0	0	0
KPC	3.2	2017	1	1	0	0	0	0
KPC	3.2	2017	2	2	0	0	0	0
KPC	3.2	2017	3	3	0	0	0	0
KPC	3.2	2017	4	4	0	0	0	0
KPC	3.2	2017	5	5	0	0	0	0
KPC	3.2	2017	6	6	0	0	0	0
KPC	3.2	2017	7	7	0	0	0	0
KPC	3.2	2017	8	8	0	0	0	0
KPC	3.2	2017	9	9	0	0	0	0
KPC	3.2	2017	10	10	0	0	0	0
KPC	3.2	2017	11	11	0	0	0	0
KPC	3.2	2017	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	com3	com3slope	com4	ind1	or1
KPC	3.2	2018	1	1	0	0	0	0
KPC	3.2	2018	2	2	0	0	0	0
KPC	3.2	2018	3	3	0	0	0	0
KPC	3.2	2018	4	4	0	0	0	0
KPC	3.2	2018	5	5	0	0	0	0
KPC	3.2	2018	6	6	0	0	0	0
KPC	3.2	2018	7	7	0	0	0	0
KPC	3.2	2018	8	8	0	0	0	0
KPC	3.2	2018	9	9	0	0	0	0
KPC	3.2	2018	10	10	0	0	0	0
KPC	3.2	2018	11	11	0	0	0	0
KPC	3.2	2018	12	12	0	0	0	0
KPC	3.2	2019	1	1	0	0	0	0
KPC	3.2	2019	2	2	0	0	0	0
KPC	3.2	2019	3	3	0	0	0	0
KPC	3.2	2019	4	4	0	0	0	0
KPC	3.2	2019	5	5	0	0	0	0
KPC	3.2	2019	6	6	0	0	0	0
KPC	3.2	2019	7	7	0	0	0	0
KPC	3.2	2019	8	8	0	0	0	0
KPC	3.2	2019	9	9	0	0	0	0
KPC	3.2	2019	10	10	0	0	0	0
KPC	3.2	2019	11	11	0	0	0	0
KPC	3.2	2019	12	12	0	0	0	0
KPC	3.2	2020	1	1	0	0	0	0
KPC	3.2	2020	2	2	0	0	0	0
KPC	3.2	2020	3	3	0	0	0	0
KPC	3.2	2020	4	4	0	0	0	0
KPC	3.2	2020	5	5	0	0	0	0
KPC	3.2	2020	6	6	0	0	0	0
KPC	3.2	2020	7	7	0	0	0	0
KPC	3.2	2020	8	8	0	0	0	0
KPC	3.2	2020	9	9	0	0	0	0
KPC	3.2	2020	10	10	0	0	0	0
KPC	3.2	2020	11	11	0	0	0	0
KPC	3.2	2020	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	com3	com3slope	com4	ind1	or1
KPC	3.2	2021	1	1	0	0	0	0
KPC	3.2	2021	2	2	0	0	0	0
KPC	3.2	2021	3	3	0	0	0	0
KPC	3.2	2021	4	4	0	0	0	0
KPC	3.2	2021	5	5	0	0	0	0
KPC	3.2	2021	6	6	0	0	0	0
KPC	3.2	2021	7	7	0	0	0	0
KPC	3.2	2021	8	8	0	0	0	0
KPC	3.2	2021	9	9	0	0	0	0
KPC	3.2	2021	10	10	0	0	0	0
KPC	3.2	2021	11	11	0	0	0	0
KPC	3.2	2021	12	12	0	0	0	0
KPC	3.25	2008	1	1	0	0	0	0
KPC	3.25	2008	2	2	0	0	0	0
KPC	3.25	2008	3	3	0	0	0	0
KPC	3.25	2008	4	4	0	0	0	0
KPC	3.25	2008	5	5	0	0	0	0
KPC	3.25	2008	6	6	0	0	0	0
KPC	3.25	2008	7	7	0	0	0	0
KPC	3.25	2008	8	8	0	0	0	0
KPC	3.25	2008	9	9	0	0	0	0
KPC	3.25	2008	10	10	0	0	0	0
KPC	3.25	2008	11	11	0	0	0	0
KPC	3.25	2008	12	12	0	0	0	0
KPC	3.25	2009	1	1	0	0	0	0
KPC	3.25	2009	2	2	0	0	0	0
KPC	3.25	2009	3	3	0	0	0	0
KPC	3.25	2009	4	4	0	0	0	0
KPC	3.25	2009	5	5	0	0	0	0
KPC	3.25	2009	6	6	0	0	0	0
KPC	3.25	2009	7	7	0	0	0	0
KPC	3.25	2009	8	8	0	0	0	0
KPC	3.25	2009	9	9	0	0	0	0
KPC	3.25	2009	10	10	0	0	0	0
KPC	3.25	2009	11	11	0	0	0	0
KPC	3.25	2009	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	com3	com3slope	com4	ind1	or1
KPC	3.25	2010	1	1	0	0	0	0
KPC	3.25	2010	2	2	0	0	0	0
KPC	3.25	2010	3	3	0	0	0	0
KPC	3.25	2010	4	4	0	0	0	0
KPC	3.25	2010	5	5	0	0	0	0
KPC	3.25	2010	6	6	0	0	0	0
KPC	3.25	2010	7	7	0	0	0	0
KPC	3.25	2010	8	8	0	0	0	0
KPC	3.25	2010	9	9	0	0	0	0
KPC	3.25	2010	10	10	0	0	0	0
KPC	3.25	2010	11	11	0	0	0	0
KPC	3.25	2010	12	12	0	0	0	0
KPC	3.25	2011	1	1	0	0	0	0
KPC	3.25	2011	2	2	0	0	0	0
KPC	3.25	2011	3	3	0	0	0	0
KPC	3.25	2011	4	4	0	0	0	0
KPC	3.25	2011	5	5	0	0	0	0
KPC	3.25	2011	6	6	0	0	0	0
KPC	3.25	2011	7	7	0	0	0	0
KPC	3.25	2011	8	8	0	0	0	0
KPC	3.25	2011	9	9	0	0	0	0
KPC	3.25	2011	10	10	0	0	0	0
KPC	3.25	2011	11	11	0	0	0	0
KPC	3.25	2011	12	12	0	0	0	0
KPC	3.25	2012	1	1	0	0	0	0
KPC	3.25	2012	2	2	0	0	0	0
KPC	3.25	2012	3	3	0	0	0	0
KPC	3.25	2012	4	4	0	0	0	0
KPC	3.25	2012	5	5	0	0	0	0
KPC	3.25	2012	6	6	0	0	0	0
KPC	3.25	2012	7	7	0	0	0	0
KPC	3.25	2012	8	8	0	0	0	0
KPC	3.25	2012	9	9	0	0	0	0
KPC	3.25	2012	10	10	0	0	0	0
KPC	3.25	2012	11	11	0	0	0	0
KPC	3.25	2012	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	com3	com3slope	com4	ind1	or1
KPC	3.25	2013	1	1	0	0	0	0
KPC	3.25	2013	2	2	0	0	0	0
KPC	3.25	2013	3	3	0	0	0	0
KPC	3.25	2013	4	4	0	0	0	0
KPC	3.25	2013	5	5	0	0	0	0
KPC	3.25	2013	6	6	0	0	0	0
KPC	3.25	2013	7	7	0	0	0	0
KPC	3.25	2013	8	8	0	0	0	0
KPC	3.25	2013	9	9	0	0	0	0
KPC	3.25	2013	10	10	0	0	0	0
KPC	3.25	2013	11	11	0	0	0	0
KPC	3.25	2013	12	12	0	0	0	0
KPC	3.25	2014	1	1	0	0	0	0
KPC	3.25	2014	2	2	0	0	0	0
KPC	3.25	2014	3	3	0	0	0	0
KPC	3.25	2014	4	4	0	0	0	0
KPC	3.25	2014	5	5	0	0	0	0
KPC	3.25	2014	6	6	0	0	0	0
KPC	3.25	2014	7	7	0	0	0	0
KPC	3.25	2014	8	8	0	0	0	0
KPC	3.25	2014	9	9	0	0	0	0
KPC	3.25	2014	10	10	0	0	0	0
KPC	3.25	2014	11	11	0	0	0	0
KPC	3.25	2014	12	12	0	0	0	0
KPC	3.25	2015	1	1	0	0	0	0
KPC	3.25	2015	2	2	0	0	0	0
KPC	3.25	2015	3	3	0	0	0	0
KPC	3.25	2015	4	4	0	0	0	0
KPC	3.25	2015	5	5	0	0	0	0
KPC	3.25	2015	6	6	0	0	0	0
KPC	3.25	2015	7	7	0	0	0	0
KPC	3.25	2015	8	8	0	0	0	0
KPC	3.25	2015	9	9	0	0	0	0
KPC	3.25	2015	10	10	0	0	0	0
KPC	3.25	2015	11	11	0	0	0	0
KPC	3.25	2015	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	com3	com3slope	com4	ind1	or1
KPC	3.25	2016	1	1	0	0	0	0
KPC	3.25	2016	2	2	0	0	0	0
KPC	3.25	2016	3	3	0	0	0	0
KPC	3.25	2016	4	4	0	0	0	0
KPC	3.25	2016	5	5	0	0	0	0
KPC	3.25	2016	6	6	0	0	0	0
KPC	3.25	2016	7	7	0	0	0	0
KPC	3.25	2016	8	8	0	0	0	0
KPC	3.25	2016	9	9	0	0	0	0
KPC	3.25	2016	10	10	0	0	0	0
KPC	3.25	2016	11	11	0	0	0	0
KPC	3.25	2016	12	12	0	0	0	0
KPC	3.25	2017	1	1	0	0	0	0
KPC	3.25	2017	2	2	0	0	0	0
KPC	3.25	2017	3	3	0	0	0	0
KPC	3.25	2017	4	4	0	0	0	0
KPC	3.25	2017	5	5	0	0	0	0
KPC	3.25	2017	6	6	0	0	0	0
KPC	3.25	2017	7	7	0	0	0	0
KPC	3.25	2017	8	8	0	0	0	0
KPC	3.25	2017	9	9	0	0	0	0
KPC	3.25	2017	10	10	0	0	0	0
KPC	3.25	2017	11	11	0	0	0	0
KPC	3.25	2017	12	12	0	0	0	0
KPC	3.25	2018	1	1	0	0	0	0
KPC	3.25	2018	2	2	0	0	0	0
KPC	3.25	2018	3	3	0	0	0	0
KPC	3.25	2018	4	4	0	0	0	0
KPC	3.25	2018	5	5	0	0	0	0
KPC	3.25	2018	6	6	0	0	0	0
KPC	3.25	2018	7	7	0	0	0	0
KPC	3.25	2018	8	8	0	0	0	0
KPC	3.25	2018	9	9	0	0	0	0
KPC	3.25	2018	10	10	0	0	0	0
KPC	3.25	2018	11	11	0	0	0	0
KPC	3.25	2018	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	com3	com3slope	com4	ind1	or1
KPC	3.25	2019	1	1	0	0	0	0
KPC	3.25	2019	2	2	0	0	0	0
KPC	3.25	2019	3	3	0	0	0	0
KPC	3.25	2019	4	4	0	0	0	0
KPC	3.25	2019	5	5	0	0	0	0
KPC	3.25	2019	6	6	0	0	0	0
KPC	3.25	2019	7	7	0	0	0	0
KPC	3.25	2019	8	8	0	0	0	0
KPC	3.25	2019	9	9	0	0	0	0
KPC	3.25	2019	10	10	0	0	0	0
KPC	3.25	2019	11	11	0	0	0	0
KPC	3.25	2019	12	12	0	0	0	0
KPC	3.25	2020	1	1	0	0	0	0
KPC	3.25	2020	2	2	0	0	0	0
KPC	3.25	2020	3	3	0	0	0	0
KPC	3.25	2020	4	4	0	0	0	0
KPC	3.25	2020	5	5	0	0	0	0
KPC	3.25	2020	6	6	0	0	0	0
KPC	3.25	2020	7	7	0	0	0	0
KPC	3.25	2020	8	8	0	0	0	0
KPC	3.25	2020	9	9	0	0	0	0
KPC	3.25	2020	10	10	0	0	0	0
KPC	3.25	2020	11	11	0	0	0	0
KPC	3.25	2020	12	12	0	0	0	0
KPC	3.25	2021	1	1	0	0	0	0
KPC	3.25	2021	2	2	0	0	0	0
KPC	3.25	2021	3	3	0	0	0	0
KPC	3.25	2021	4	4	0	0	0	0
KPC	3.25	2021	5	5	0	0	0	0
KPC	3.25	2021	6	6	0	0	0	0
KPC	3.25	2021	7	7	0	0	0	0
KPC	3.25	2021	8	8	0	0	0	0
KPC	3.25	2021	9	9	0	0	0	0
KPC	3.25	2021	10	10	0	0	0	0
KPC	3.25	2021	11	11	0	0	0	0
KPC	3.25	2021	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	com3	com3slope	com4	ind1	or1
KPC	4	2008	1	1	0	0	0	0
KPC	4	2008	2	2	0	0	0	0
KPC	4	2008	3	3	0	0	0	0
KPC	4	2008	4	4	0	0	0	0
KPC	4	2008	5	5	0	0	0	0
KPC	4	2008	6	6	0	0	0	0
KPC	4	2008	7	7	0	0	0	0
KPC	4	2008	8	8	0	0	0	0
KPC	4	2008	9	9	0	0	0	0
KPC	4	2008	10	10	0	0	0	0
KPC	4	2008	11	11	0	0	0	0
KPC	4	2008	12	12	0	0	0	0
KPC	4	2009	1	1	0	0	0	0
KPC	4	2009	2	2	0	0	0	0
KPC	4	2009	3	3	0	0	0	0
KPC	4	2009	4	4	0	0	0	0
KPC	4	2009	5	5	0	0	0	0
KPC	4	2009	6	6	0	0	0	0
KPC	4	2009	7	7	0	0	0	0
KPC	4	2009	8	8	0	0	0	0
KPC	4	2009	9	9	0	0	0	0
KPC	4	2009	10	10	0	0	0	0
KPC	4	2009	11	11	0	0	0	0
KPC	4	2009	12	12	0	0	0	0
KPC	4	2010	1	1	0	0	0	0
KPC	4	2010	2	2	0	0	0	0
KPC	4	2010	3	3	0	0	0	0
KPC	4	2010	4	4	0	0	0	0
KPC	4	2010	5	5	0	0	0	0
KPC	4	2010	6	6	0	0	0	0
KPC	4	2010	7	7	0	0	0	0
KPC	4	2010	8	8	0	0	0	0
KPC	4	2010	9	9	0	0	0	0
KPC	4	2010	10	10	0	0	0	0
KPC	4	2010	11	11	0	0	0	0
KPC	4	2010	12	12	0	0	0	0
KPC	4	2010	1	1	0	0	0	1
KPC	4	2010	2	2	0	0	0	1
KPC	4	2010	3	3	0	0	0	1
KPC	4	2010	4	4	0	0	0	1
KPC	4	2010	5	5	0	0	0	1
KPC	4	2010	6	6	0	0	0	1
KPC	4	2010	7	7	0	0	0	1
KPC	4	2010	8	8	0	0	0	1
KPC	4	2010	9	9	0	0	0	1
KPC	4	2010	10	10	0	0	0	1
KPC	4	2010	11	11	0	0	0	1
KPC	4	2010	12	12	0	0	0	1

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	com3	com3slope	com4	ind1	or1
KPC	4	2011	1	1	0	0	0	0
KPC	4	2011	2	2	0	0	0	0
KPC	4	2011	3	3	0	0	0	0
KPC	4	2011	4	4	0	0	0	0
KPC	4	2011	5	5	0	0	0	0
KPC	4	2011	6	6	0	0	0	0
KPC	4	2011	7	7	0	0	0	0
KPC	4	2011	8	8	0	0	0	0
KPC	4	2011	9	9	0	0	0	0
KPC	4	2011	10	10	0	0	0	0
KPC	4	2011	11	11	0	0	0	0
KPC	4	2011	12	12	0	0	0	0
KPC	4	2012	1	1	0	0	0	0
KPC	4	2012	2	2	0	0	0	0
KPC	4	2012	3	3	0	0	0	0
KPC	4	2012	4	4	0	0	0	0
KPC	4	2012	5	5	0	0	0	0
KPC	4	2012	6	6	0	0	0	0
KPC	4	2012	7	7	0	0	0	0
KPC	4	2012	8	8	0	0	0	0
KPC	4	2012	9	9	0	0	0	0
KPC	4	2012	10	10	0	0	0	0
KPC	4	2012	11	11	0	0	0	0
KPC	4	2012	12	12	0	0	0	0
KPC	4	2013	1	1	0	0	0	0
KPC	4	2013	2	2	0	0	0	0
KPC	4	2013	3	3	0	0	0	0
KPC	4	2013	4	4	0	0	0	0
KPC	4	2013	5	5	0	0	0	0
KPC	4	2013	6	6	0	0	0	0
KPC	4	2013	7	7	0	0	0	0
KPC	4	2013	8	8	0	0	0	0
KPC	4	2013	9	9	0	0	0	0
KPC	4	2013	10	10	0	0	0	0
KPC	4	2013	11	11	0	0	0	0
KPC	4	2013	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	com3	com3slope	com4	ind1	or1
KPC	4	2014	1	1	0	0	0	0
KPC	4	2014	2	2	0	0	0	0
KPC	4	2014	3	3	0	0	0	0
KPC	4	2014	4	4	0	0	0	0
KPC	4	2014	5	5	0	0	0	0
KPC	4	2014	6	6	0	0	0	0
KPC	4	2014	7	7	0	0	0	0
KPC	4	2014	8	8	0	0	0	0
KPC	4	2014	9	9	0	0	0	0
KPC	4	2014	10	10	0	0	0	0
KPC	4	2014	11	11	0	0	0	0
KPC	4	2014	12	12	0	0	0	0
KPC	4	2015	1	1	0	0	0	0
KPC	4	2015	2	2	0	0	0	0
KPC	4	2015	3	3	0	0	0	0
KPC	4	2015	4	4	0	0	0	0
KPC	4	2015	5	5	0	0	0	0
KPC	4	2015	6	6	0	0	0	0
KPC	4	2015	7	7	0	0	0	0
KPC	4	2015	8	8	0	0	0	0
KPC	4	2015	9	9	0	0	0	0
KPC	4	2015	10	10	0	0	0	0
KPC	4	2015	11	11	0	0	0	0
KPC	4	2015	12	12	0	0	0	0
KPC	4	2016	1	1	0	0	0	0
KPC	4	2016	2	2	0	0	0	0
KPC	4	2016	3	3	0	0	0	0
KPC	4	2016	4	4	0	0	0	0
KPC	4	2016	5	5	0	0	0	0
KPC	4	2016	6	6	0	0	0	0
KPC	4	2016	7	7	0	0	0	0
KPC	4	2016	8	8	0	0	0	0
KPC	4	2016	9	9	0	0	0	0
KPC	4	2016	10	10	0	0	0	0
KPC	4	2016	11	11	0	0	0	0
KPC	4	2016	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	com3	com3slope	com4	ind1	or1
KPC	4	2017	1	1	0	0	0	0
KPC	4	2017	2	2	0	0	0	0
KPC	4	2017	3	3	0	0	0	0
KPC	4	2017	4	4	0	0	0	0
KPC	4	2017	5	5	0	0	0	0
KPC	4	2017	6	6	0	0	0	0
KPC	4	2017	7	7	0	0	0	0
KPC	4	2017	8	8	0	0	0	0
KPC	4	2017	9	9	0	0	0	0
KPC	4	2017	10	10	0	0	0	0
KPC	4	2017	11	11	0	0	0	0
KPC	4	2017	12	12	0	0	0	0
KPC	4	2018	1	1	0	0	0	0
KPC	4	2018	2	2	0	0	0	0
KPC	4	2018	3	3	0	0	0	0
KPC	4	2018	4	4	0	0	0	0
KPC	4	2018	5	5	0	0	0	0
KPC	4	2018	6	6	0	0	0	0
KPC	4	2018	7	7	0	0	0	0
KPC	4	2018	8	8	0	0	0	0
KPC	4	2018	9	9	0	0	0	0
KPC	4	2018	10	10	0	0	0	0
KPC	4	2018	11	11	0	0	0	0
KPC	4	2018	12	12	0	0	0	0
KPC	4	2019	1	1	0	0	0	0
KPC	4	2019	2	2	0	0	0	0
KPC	4	2019	3	3	0	0	0	0
KPC	4	2019	4	4	0	0	0	0
KPC	4	2019	5	5	0	0	0	0
KPC	4	2019	6	6	0	0	0	0
KPC	4	2019	7	7	0	0	0	0
KPC	4	2019	8	8	0	0	0	0
KPC	4	2019	9	9	0	0	0	0
KPC	4	2019	10	10	0	0	0	0
KPC	4	2019	11	11	0	0	0	0
KPC	4	2019	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	com3	com3slope	com4	ind1	or1
KPC	4	2020	1	1	0	0	0	0
KPC	4	2020	2	2	0	0	0	0
KPC	4	2020	3	3	0	0	0	0
KPC	4	2020	4	4	0	0	0	0
KPC	4	2020	5	5	0	0	0	0
KPC	4	2020	6	6	0	0	0	0
KPC	4	2020	7	7	0	0	0	0
KPC	4	2020	8	8	0	0	0	0
KPC	4	2020	9	9	0	0	0	0
KPC	4	2020	10	10	0	0	0	0
KPC	4	2020	11	11	0	0	0	0
KPC	4	2020	12	12	0	0	0	0
KPC	4	2021	1	1	0	0	0	0
KPC	4	2021	2	2	0	0	0	0
KPC	4	2021	3	3	0	0	0	0
KPC	4	2021	4	4	0	0	0	0
KPC	4	2021	5	5	0	0	0	0
KPC	4	2021	6	6	0	0	0	0
KPC	4	2021	7	7	0	0	0	0
KPC	4	2021	8	8	0	0	0	0
KPC	4	2021	9	9	0	0	0	0
KPC	4	2021	10	10	0	0	0	0
KPC	4	2021	11	11	0	0	0	0
KPC	4	2021	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	or2	or3	or4	or5	or6
KPC	1	2008	1	1	0	0	0	0
KPC	1	2008	2	2	0	0	0	0
KPC	1	2008	3	3	0	0	0	0
KPC	1	2008	4	4	0	0	0	0
KPC	1	2008	5	5	0	0	0	0
KPC	1	2008	6	6	0	0	0	0
KPC	1	2008	7	7	0	0	0	0
KPC	1	2008	8	8	0	0	0	0
KPC	1	2008	9	9	0	0	0	0
KPC	1	2008	10	10	0	0	0	0
KPC	1	2008	11	11	0	0	0	0
KPC	1	2008	12	12	0	0	0	0
KPC	1	2009	1	1	0	0	0	0
KPC	1	2009	2	2	0	0	0	0
KPC	1	2009	3	3	0	0	0	0
KPC	1	2009	4	4	0	0	0	0
KPC	1	2009	5	5	0	0	0	0
KPC	1	2009	6	6	0	0	0	0
KPC	1	2009	7	7	0	0	0	0
KPC	1	2009	8	8	0	0	0	0
KPC	1	2009	9	9	0	0	0	0
KPC	1	2009	10	10	0	0	0	0
KPC	1	2009	11	11	0	0	0	0
KPC	1	2009	12	12	0	0	0	0
KPC	1	2010	1	1	0	0	0	0
KPC	1	2010	2	2	0	0	0	0
KPC	1	2010	3	3	0	0	0	0
KPC	1	2010	4	4	0	0	0	0
KPC	1	2010	5	5	0	0	0	0
KPC	1	2010	6	6	0	0	0	0
KPC	1	2010	7	7	0	0	0	0
KPC	1	2010	8	8	0	0	0	0
KPC	1	2010	9	9	0	0	0	0
KPC	1	2010	10	10	0	0	0	0
KPC	1	2010	11	11	0	0	0	0
KPC	1	2010	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	or2	or3	or4	or5	or6
KPC	1	2011	1	1	0	0	0	0
KPC	1	2011	2	2	0	0	0	0
KPC	1	2011	3	3	0	0	0	0
KPC	1	2011	4	4	0	0	0	0
KPC	1	2011	5	5	0	0	0	0
KPC	1	2011	6	6	0	0	0	0
KPC	1	2011	7	7	0	0	0	0
KPC	1	2011	8	8	0	0	0	0
KPC	1	2011	9	9	0	0	0	0
KPC	1	2011	10	10	0	0	0	0
KPC	1	2011	11	11	0	0	0	0
KPC	1	2011	12	12	0	0	0	0
KPC	1	2012	1	1	0	0	0	0
KPC	1	2012	2	2	0	0	0	0
KPC	1	2012	3	3	0	0	0	0
KPC	1	2012	4	4	0	0	0	0
KPC	1	2012	5	5	0	0	0	0
KPC	1	2012	6	6	0	0	0	0
KPC	1	2012	7	7	0	0	0	0
KPC	1	2012	8	8	0	0	0	0
KPC	1	2012	9	9	0	0	0	0
KPC	1	2012	10	10	0	0	0	0
KPC	1	2012	11	11	0	0	0	0
KPC	1	2012	12	12	0	0	0	0
KPC	1	2013	1	1	0	0	0	0
KPC	1	2013	2	2	0	0	0	0
KPC	1	2013	3	3	0	0	0	0
KPC	1	2013	4	4	0	0	0	0
KPC	1	2013	5	5	0	0	0	0
KPC	1	2013	6	6	0	0	0	0
KPC	1	2013	7	7	0	0	0	0
KPC	1	2013	8	8	0	0	0	0
KPC	1	2013	9	9	0	0	0	0
KPC	1	2013	10	10	0	0	0	0
KPC	1	2013	11	11	0	0	0	0
KPC	1	2013	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	or2	or3	or4	or5	or6
KPC	1	2014	1	1	0	0	0	0
KPC	1	2014	2	2	0	0	0	0
KPC	1	2014	3	3	0	0	0	0
KPC	1	2014	4	4	0	0	0	0
KPC	1	2014	5	5	0	0	0	0
KPC	1	2014	6	6	0	0	0	0
KPC	1	2014	7	7	0	0	0	0
KPC	1	2014	8	8	0	0	0	0
KPC	1	2014	9	9	0	0	0	0
KPC	1	2014	10	10	0	0	0	0
KPC	1	2014	11	11	0	0	0	0
KPC	1	2014	12	12	0	0	0	0
KPC	1	2015	1	1	0	0	0	0
KPC	1	2015	2	2	0	0	0	0
KPC	1	2015	3	3	0	0	0	0
KPC	1	2015	4	4	0	0	0	0
KPC	1	2015	5	5	0	0	0	0
KPC	1	2015	6	6	0	0	0	0
KPC	1	2015	7	7	0	0	0	0
KPC	1	2015	8	8	0	0	0	0
KPC	1	2015	9	9	0	0	0	0
KPC	1	2015	10	10	0	0	0	0
KPC	1	2015	11	11	0	0	0	0
KPC	1	2015	12	12	0	0	0	0
KPC	1	2016	1	1	0	0	0	0
KPC	1	2016	2	2	0	0	0	0
KPC	1	2016	3	3	0	0	0	0
KPC	1	2016	4	4	0	0	0	0
KPC	1	2016	5	5	0	0	0	0
KPC	1	2016	6	6	0	0	0	0
KPC	1	2016	7	7	0	0	0	0
KPC	1	2016	8	8	0	0	0	0
KPC	1	2016	9	9	0	0	0	0
KPC	1	2016	10	10	0	0	0	0
KPC	1	2016	11	11	0	0	0	0
KPC	1	2016	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	or2	or3	or4	or5	or6
KPC	1	2017	1	1	0	0	0	0
KPC	1	2017	2	2	0	0	0	0
KPC	1	2017	3	3	0	0	0	0
KPC	1	2017	4	4	0	0	0	0
KPC	1	2017	5	5	0	0	0	0
KPC	1	2017	6	6	0	0	0	0
KPC	1	2017	7	7	0	0	0	0
KPC	1	2017	8	8	0	0	0	0
KPC	1	2017	9	9	0	0	0	0
KPC	1	2017	10	10	0	0	0	0
KPC	1	2017	11	11	0	0	0	0
KPC	1	2017	12	12	0	0	0	0
KPC	1	2018	1	1	0	0	0	0
KPC	1	2018	2	2	0	0	0	0
KPC	1	2018	3	3	0	0	0	0
KPC	1	2018	4	4	0	0	0	0
KPC	1	2018	5	5	0	0	0	0
KPC	1	2018	6	6	0	0	0	0
KPC	1	2018	7	7	0	0	0	0
KPC	1	2018	8	8	0	0	0	0
KPC	1	2018	9	9	0	0	0	0
KPC	1	2018	10	10	0	0	0	0
KPC	1	2018	11	11	0	0	0	0
KPC	1	2018	12	12	0	0	0	0
KPC	1	2019	1	1	0	0	0	0
KPC	1	2019	2	2	0	0	0	0
KPC	1	2019	3	3	0	0	0	0
KPC	1	2019	4	4	0	0	0	0
KPC	1	2019	5	5	0	0	0	0
KPC	1	2019	6	6	0	0	0	0
KPC	1	2019	7	7	0	0	0	0
KPC	1	2019	8	8	0	0	0	0
KPC	1	2019	9	9	0	0	0	0
KPC	1	2019	10	10	0	0	0	0
KPC	1	2019	11	11	0	0	0	0
KPC	1	2019	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	or2	or3	or4	or5	or6
KPC	1	2020	1	1	0	0	0	0
KPC	1	2020	2	2	0	0	0	0
KPC	1	2020	3	3	0	0	0	0
KPC	1	2020	4	4	0	0	0	0
KPC	1	2020	5	5	0	0	0	0
KPC	1	2020	6	6	0	0	0	0
KPC	1	2020	7	7	0	0	0	0
KPC	1	2020	8	8	0	0	0	0
KPC	1	2020	9	9	0	0	0	0
KPC	1	2020	10	10	0	0	0	0
KPC	1	2020	11	11	0	0	0	0
KPC	1	2020	12	12	0	0	0	0
KPC	1	2021	1	1	0	0	0	0
KPC	1	2021	2	2	0	0	0	0
KPC	1	2021	3	3	0	0	0	0
KPC	1	2021	4	4	0	0	0	0
KPC	1	2021	5	5	0	0	0	0
KPC	1	2021	6	6	0	0	0	0
KPC	1	2021	7	7	0	0	0	0
KPC	1	2021	8	8	0	0	0	0
KPC	1	2021	9	9	0	0	0	0
KPC	1	2021	10	10	0	0	0	0
KPC	1	2021	11	11	0	0	0	0
KPC	1	2021	12	12	0	0	0	0
KPC	2	2008	1	1	0	0	0	0
KPC	2	2008	2	2	0	0	0	0
KPC	2	2008	3	3	0	0	0	0
KPC	2	2008	4	4	0	0	0	0
KPC	2	2008	5	5	0	0	0	0
KPC	2	2008	6	6	0	0	0	0
KPC	2	2008	7	7	0	0	0	0
KPC	2	2008	8	8	0	0	0	0
KPC	2	2008	9	9	0	0	0	0
KPC	2	2008	10	10	0	0	0	0
KPC	2	2008	11	11	0	0	0	0
KPC	2	2008	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	or2	or3	or4	or5	or6
KPC	2	2009	1	0	0	0	0	0
KPC	2	2009	2	0	0	0	0	0
KPC	2	2009	3	0	0	0	0	0
KPC	2	2009	4	0	0	0	0	0
KPC	2	2009	5	0	0	0	0	0
KPC	2	2009	6	0	0	0	0	0
KPC	2	2009	7	0	0	0	0	0
KPC	2	2009	8	0	0	0	0	0
KPC	2	2009	9	0	0	0	0	0
KPC	2	2009	10	0	0	0	0	0
KPC	2	2009	11	0	0	0	0	0
KPC	2	2009	12	0	0	0	0	0
KPC	2	2010	1	0	0	0	0	0
KPC	2	2010	2	0	0	0	0	0
KPC	2	2010	3	0	0	0	0	0
KPC	2	2010	4	0	0	0	0	0
KPC	2	2010	5	0	0	0	0	0
KPC	2	2010	6	0	0	0	0	0
KPC	2	2010	7	0	0	0	0	0
KPC	2	2010	8	0	0	0	0	0
KPC	2	2010	9	0	0	0	0	0
KPC	2	2010	10	0	0	0	0	0
KPC	2	2010	11	0	0	0	0	0
KPC	2	2010	12	0	0	0	0	0
KPC	2	2011	1	0	0	0	0	0
KPC	2	2011	2	0	0	0	0	0
KPC	2	2011	3	0	0	0	0	0
KPC	2	2011	4	0	0	0	0	0
KPC	2	2011	5	0	0	0	0	0
KPC	2	2011	6	0	0	0	0	0
KPC	2	2011	7	0	0	0	0	0
KPC	2	2011	8	0	0	0	0	0
KPC	2	2011	9	0	0	0	0	0
KPC	2	2011	10	0	0	0	0	0
KPC	2	2011	11	0	0	0	0	0
KPC	2	2011	12	0	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	or2	or3	or4	or5	or6
KPC	2	2012	1	1	0	0	0	0
KPC	2	2012	2	2	0	0	0	0
KPC	2	2012	3	3	0	0	0	0
KPC	2	2012	4	4	0	0	0	0
KPC	2	2012	5	5	0	0	0	0
KPC	2	2012	6	6	0	0	0	0
KPC	2	2012	7	7	0	0	0	0
KPC	2	2012	8	8	0	0	0	0
KPC	2	2012	9	9	0	0	0	0
KPC	2	2012	10	10	0	0	0	0
KPC	2	2012	11	11	0	0	0	0
KPC	2	2012	12	12	0	0	0	0
KPC	2	2013	1	1	0	0	0	0
KPC	2	2013	2	2	0	0	0	0
KPC	2	2013	3	3	0	0	0	0
KPC	2	2013	4	4	0	0	0	0
KPC	2	2013	5	5	0	0	0	0
KPC	2	2013	6	6	0	0	0	0
KPC	2	2013	7	7	0	0	0	0
KPC	2	2013	8	8	0	0	0	0
KPC	2	2013	9	9	0	0	0	0
KPC	2	2013	10	10	0	0	0	0
KPC	2	2013	11	11	0	0	0	0
KPC	2	2013	12	12	0	0	0	0
KPC	2	2014	1	1	0	0	0	0
KPC	2	2014	2	2	0	0	0	0
KPC	2	2014	3	3	0	0	0	0
KPC	2	2014	4	4	0	0	0	0
KPC	2	2014	5	5	0	0	0	0
KPC	2	2014	6	6	0	0	0	0
KPC	2	2014	7	7	0	0	0	0
KPC	2	2014	8	8	0	0	0	0
KPC	2	2014	9	9	0	0	0	0
KPC	2	2014	10	10	0	0	0	0
KPC	2	2014	11	11	0	0	0	0
KPC	2	2014	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	or2	or3	or4	or5	or6
KPC	2	2015	1	1	0	0	0	0
KPC	2	2015	2	2	0	0	0	0
KPC	2	2015	3	3	0	0	0	0
KPC	2	2015	4	4	0	0	0	0
KPC	2	2015	5	5	0	0	0	0
KPC	2	2015	6	6	0	0	0	0
KPC	2	2015	7	7	0	0	0	0
KPC	2	2015	8	8	0	0	0	0
KPC	2	2015	9	9	0	0	0	0
KPC	2	2015	10	10	0	0	0	0
KPC	2	2015	11	11	0	0	0	0
KPC	2	2015	12	12	0	0	0	0
KPC	2	2016	1	1	0	0	0	0
KPC	2	2016	2	2	0	0	0	0
KPC	2	2016	3	3	0	0	0	0
KPC	2	2016	4	4	0	0	0	0
KPC	2	2016	5	5	0	0	0	0
KPC	2	2016	6	6	0	0	0	0
KPC	2	2016	7	7	0	0	0	0
KPC	2	2016	8	8	0	0	0	0
KPC	2	2016	9	9	0	0	0	0
KPC	2	2016	10	10	0	0	0	0
KPC	2	2016	11	11	0	0	0	0
KPC	2	2016	12	12	0	0	0	0
KPC	2	2017	1	1	0	0	0	0
KPC	2	2017	2	2	0	0	0	0
KPC	2	2017	3	3	0	0	0	0
KPC	2	2017	4	4	0	0	0	0
KPC	2	2017	5	5	0	0	0	0
KPC	2	2017	6	6	0	0	0	0
KPC	2	2017	7	7	0	0	0	0
KPC	2	2017	8	8	0	0	0	0
KPC	2	2017	9	9	0	0	0	0
KPC	2	2017	10	10	0	0	0	0
KPC	2	2017	11	11	0	0	0	0
KPC	2	2017	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	or2	or3	or4	or5	or6
KPC	2	2018	1	1	0	0	0	0
KPC	2	2018	2	2	0	0	0	0
KPC	2	2018	3	3	0	0	0	0
KPC	2	2018	4	4	0	0	0	0
KPC	2	2018	5	5	0	0	0	0
KPC	2	2018	6	6	0	0	0	0
KPC	2	2018	7	7	0	0	0	0
KPC	2	2018	8	8	0	0	0	0
KPC	2	2018	9	9	0	0	0	0
KPC	2	2018	10	10	0	0	0	0
KPC	2	2018	11	11	0	0	0	0
KPC	2	2018	12	12	0	0	0	0
KPC	2	2019	1	1	0	0	0	0
KPC	2	2019	2	2	0	0	0	0
KPC	2	2019	3	3	0	0	0	0
KPC	2	2019	4	4	0	0	0	0
KPC	2	2019	5	5	0	0	0	0
KPC	2	2019	6	6	0	0	0	0
KPC	2	2019	7	7	0	0	0	0
KPC	2	2019	8	8	0	0	0	0
KPC	2	2019	9	9	0	0	0	0
KPC	2	2019	10	10	0	0	0	0
KPC	2	2019	11	11	0	0	0	0
KPC	2	2019	12	12	0	0	0	0
KPC	2	2020	1	1	0	0	0	0
KPC	2	2020	2	2	0	0	0	0
KPC	2	2020	3	3	0	0	0	0
KPC	2	2020	4	4	0	0	0	0
KPC	2	2020	5	5	0	0	0	0
KPC	2	2020	6	6	0	0	0	0
KPC	2	2020	7	7	0	0	0	0
KPC	2	2020	8	8	0	0	0	0
KPC	2	2020	9	9	0	0	0	0
KPC	2	2020	10	10	0	0	0	0
KPC	2	2020	11	11	0	0	0	0
KPC	2	2020	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	or2	or3	or4	or5	or6
KPC	2	2021	1	1	0	0	0	0
KPC	2	2021	2	2	0	0	0	0
KPC	2	2021	3	3	0	0	0	0
KPC	2	2021	4	4	0	0	0	0
KPC	2	2021	5	5	0	0	0	0
KPC	2	2021	6	6	0	0	0	0
KPC	2	2021	7	7	0	0	0	0
KPC	2	2021	8	8	0	0	0	0
KPC	2	2021	9	9	0	0	0	0
KPC	2	2021	10	10	0	0	0	0
KPC	2	2021	11	11	0	0	0	0
KPC	2	2021	12	12	0	0	0	0
KPC	3.1	2008	1	1	0	0	0	0
KPC	3.1	2008	2	2	0	0	0	0
KPC	3.1	2008	3	3	0	0	0	0
KPC	3.1	2008	4	4	0	0	0	0
KPC	3.1	2008	5	5	0	0	0	0
KPC	3.1	2008	6	6	0	0	0	0
KPC	3.1	2008	7	7	0	0	0	0
KPC	3.1	2008	8	8	0	0	0	0
KPC	3.1	2008	9	9	0	0	0	0
KPC	3.1	2008	10	10	0	0	0	0
KPC	3.1	2008	11	11	0	0	0	0
KPC	3.1	2008	12	12	0	0	0	0
KPC	3.1	2009	1	1	0	0	0	0
KPC	3.1	2009	2	2	0	0	0	0
KPC	3.1	2009	3	3	0	0	0	0
KPC	3.1	2009	4	4	0	0	0	0
KPC	3.1	2009	5	5	0	0	0	0
KPC	3.1	2009	6	6	0	0	0	0
KPC	3.1	2009	7	7	0	0	0	0
KPC	3.1	2009	8	8	0	0	0	0
KPC	3.1	2009	9	9	0	0	0	0
KPC	3.1	2009	10	10	0	0	0	0
KPC	3.1	2009	11	11	0	0	0	0
KPC	3.1	2009	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	or2	or3	or4	or5	or6
KPC	3.1	2010		1	0	0	0	0
KPC	3.1	2010		2	0	0	0	0
KPC	3.1	2010		3	0	0	0	0
KPC	3.1	2010		4	0	0	0	0
KPC	3.1	2010		5	0	0	0	0
KPC	3.1	2010		6	0	0	0	0
KPC	3.1	2010		7	0	0	0	0
KPC	3.1	2010		8	0	0	0	0
KPC	3.1	2010		9	0	0	0	0
KPC	3.1	2010		10	0	0	0	0
KPC	3.1	2010		11	0	0	0	0
KPC	3.1	2010		12	0	0	0	0
KPC	3.1	2011		1	0	0	0	0
KPC	3.1	2011		2	0	0	0	0
KPC	3.1	2011		3	0	0	0	0
KPC	3.1	2011		4	0	0	0	0
KPC	3.1	2011		5	0	0	0	0
KPC	3.1	2011		6	0	0	0	0
KPC	3.1	2011		7	0	0	0	0
KPC	3.1	2011		8	0	0	0	0
KPC	3.1	2011		9	0	0	0	0
KPC	3.1	2011		10	0	0	0	0
KPC	3.1	2011		11	0	0	0	0
KPC	3.1	2011		12	0	0	0	0
KPC	3.1	2012		1	0	0	0	0
KPC	3.1	2012		2	0	0	0	0
KPC	3.1	2012		3	0	0	0	0
KPC	3.1	2012		4	0	0	0	0
KPC	3.1	2012		5	0	0	0	0
KPC	3.1	2012		6	0	0	0	0
KPC	3.1	2012		7	0	0	0	0
KPC	3.1	2012		8	0	0	0	0
KPC	3.1	2012		9	0	0	0	0
KPC	3.1	2012		10	0	0	0	0
KPC	3.1	2012		11	0	0	0	0
KPC	3.1	2012		12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	or2	or3	or4	or5	or6
KPC	3.1	2013	1	0	0	0	0	0
KPC	3.1	2013	2	0	0	0	0	0
KPC	3.1	2013	3	0	0	0	0	0
KPC	3.1	2013	4	0	0	0	0	0
KPC	3.1	2013	5	0	0	0	0	0
KPC	3.1	2013	6	0	0	0	0	0
KPC	3.1	2013	7	0	0	0	0	0
KPC	3.1	2013	8	0	0	0	0	0
KPC	3.1	2013	9	0	0	0	0	0
KPC	3.1	2013	10	0	0	0	0	0
KPC	3.1	2013	11	0	0	0	0	0
KPC	3.1	2013	12	0	0	0	0	0
KPC	3.1	2014	1	0	0	0	0	0
KPC	3.1	2014	2	0	0	0	0	0
KPC	3.1	2014	3	0	0	0	0	0
KPC	3.1	2014	4	0	0	0	0	0
KPC	3.1	2014	5	0	0	0	0	0
KPC	3.1	2014	6	0	0	0	0	0
KPC	3.1	2014	7	0	0	0	0	0
KPC	3.1	2014	8	0	0	0	0	0
KPC	3.1	2014	9	0	0	0	0	0
KPC	3.1	2014	10	0	0	0	0	0
KPC	3.1	2014	11	0	0	0	0	0
KPC	3.1	2014	12	0	0	0	0	0
KPC	3.1	2015	1	0	0	0	0	0
KPC	3.1	2015	2	0	0	0	0	0
KPC	3.1	2015	3	0	0	0	0	0
KPC	3.1	2015	4	0	0	0	0	0
KPC	3.1	2015	5	0	0	0	0	0
KPC	3.1	2015	6	0	0	0	0	0
KPC	3.1	2015	7	0	0	0	0	0
KPC	3.1	2015	8	0	0	0	0	0
KPC	3.1	2015	9	0	0	0	0	0
KPC	3.1	2015	10	0	0	0	0	0
KPC	3.1	2015	11	0	0	0	0	0
KPC	3.1	2015	12	0	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	or2	or3	or4	or5	or6
KPC	3.1	2016	1	1	0	0	0	0
KPC	3.1	2016	2	2	0	0	0	0
KPC	3.1	2016	3	3	0	0	0	0
KPC	3.1	2016	4	4	0	0	0	0
KPC	3.1	2016	5	5	0	0	0	0
KPC	3.1	2016	6	6	0	0	0	0
KPC	3.1	2016	7	7	0	0	0	0
KPC	3.1	2016	8	8	0	0	0	0
KPC	3.1	2016	9	9	0	0	0	0
KPC	3.1	2016	10	10	0	0	0	0
KPC	3.1	2016	11	11	0	0	0	0
KPC	3.1	2016	12	12	0	0	0	0
KPC	3.1	2017	1	1	0	0	0	0
KPC	3.1	2017	2	2	0	0	0	0
KPC	3.1	2017	3	3	0	0	0	0
KPC	3.1	2017	4	4	0	0	0	0
KPC	3.1	2017	5	5	0	0	0	0
KPC	3.1	2017	6	6	0	0	0	0
KPC	3.1	2017	7	7	0	0	0	0
KPC	3.1	2017	8	8	0	0	0	0
KPC	3.1	2017	9	9	0	0	0	0
KPC	3.1	2017	10	10	0	0	0	0
KPC	3.1	2017	11	11	0	0	0	0
KPC	3.1	2017	12	12	0	0	0	0
KPC	3.1	2018	1	1	0	0	0	0
KPC	3.1	2018	2	2	0	0	0	0
KPC	3.1	2018	3	3	0	0	0	0
KPC	3.1	2018	4	4	0	0	0	0
KPC	3.1	2018	5	5	0	0	0	0
KPC	3.1	2018	6	6	0	0	0	0
KPC	3.1	2018	7	7	0	0	0	0
KPC	3.1	2018	8	8	0	0	0	0
KPC	3.1	2018	9	9	0	0	0	0
KPC	3.1	2018	10	10	0	0	0	0
KPC	3.1	2018	11	11	0	0	0	0
KPC	3.1	2018	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	or2	or3	or4	or5	or6
KPC	3.1	2019		1	0	0	0	0
KPC	3.1	2019		2	0	0	0	0
KPC	3.1	2019		3	0	0	0	0
KPC	3.1	2019		4	0	0	0	0
KPC	3.1	2019		5	0	0	0	0
KPC	3.1	2019		6	0	0	0	0
KPC	3.1	2019		7	0	0	0	0
KPC	3.1	2019		8	0	0	0	0
KPC	3.1	2019		9	0	0	0	0
KPC	3.1	2019		10	0	0	0	0
KPC	3.1	2019		11	0	0	0	0
KPC	3.1	2019		12	0	0	0	0
KPC	3.1	2020		1	0	0	0	0
KPC	3.1	2020		2	0	0	0	0
KPC	3.1	2020		3	0	0	0	0
KPC	3.1	2020		4	0	0	0	0
KPC	3.1	2020		5	0	0	0	0
KPC	3.1	2020		6	0	0	0	0
KPC	3.1	2020		7	0	0	0	0
KPC	3.1	2020		8	0	0	0	0
KPC	3.1	2020		9	0	0	0	0
KPC	3.1	2020		10	0	0	0	0
KPC	3.1	2020		11	0	0	0	0
KPC	3.1	2020		12	0	0	0	0
KPC	3.1	2021		1	0	0	0	0
KPC	3.1	2021		2	0	0	0	0
KPC	3.1	2021		3	0	0	0	0
KPC	3.1	2021		4	0	0	0	0
KPC	3.1	2021		5	0	0	0	0
KPC	3.1	2021		6	0	0	0	0
KPC	3.1	2021		7	0	0	0	0
KPC	3.1	2021		8	0	0	0	0
KPC	3.1	2021		9	0	0	0	0
KPC	3.1	2021		10	0	0	0	0
KPC	3.1	2021		11	0	0	0	0
KPC	3.1	2021		12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	or2	or3	or4	or5	or6
KPC	3.15	2008		1	0	0	0	0
KPC	3.15	2008		2	0	0	0	0
KPC	3.15	2008		3	0	0	0	0
KPC	3.15	2008		4	0	0	0	0
KPC	3.15	2008		5	0	0	0	0
KPC	3.15	2008		6	0	0	0	0
KPC	3.15	2008		7	0	0	0	0
KPC	3.15	2008		8	0	0	0	0
KPC	3.15	2008		9	0	0	0	0
KPC	3.15	2008		10	0	0	0	0
KPC	3.15	2008		11	0	0	0	0
KPC	3.15	2008		12	0	0	0	0
KPC	3.15	2009		1	0	0	0	0
KPC	3.15	2009		2	0	0	0	0
KPC	3.15	2009		3	0	0	0	0
KPC	3.15	2009		4	0	0	0	0
KPC	3.15	2009		5	0	0	0	0
KPC	3.15	2009		6	0	0	0	0
KPC	3.15	2009		7	0	0	0	0
KPC	3.15	2009		8	0	0	0	0
KPC	3.15	2009		9	0	0	0	0
KPC	3.15	2009		10	0	0	0	0
KPC	3.15	2009		11	0	0	0	0
KPC	3.15	2009		12	0	0	0	0
KPC	3.15	2010		1	0	0	0	0
KPC	3.15	2010		2	0	0	0	0
KPC	3.15	2010		3	0	0	0	0
KPC	3.15	2010		4	0	0	0	0
KPC	3.15	2010		5	0	0	0	0
KPC	3.15	2010		6	0	0	0	0
KPC	3.15	2010		7	0	0	0	0
KPC	3.15	2010		8	0	0	0	0
KPC	3.15	2010		9	0	0	0	0
KPC	3.15	2010		10	0	0	0	0
KPC	3.15	2010		11	0	0	0	0
KPC	3.15	2010		12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	or2	or3	or4	or5	or6
KPC	3.15	2011		1	0	0	0	0
KPC	3.15	2011		2	0	0	0	0
KPC	3.15	2011		3	0	0	0	0
KPC	3.15	2011		4	0	0	0	0
KPC	3.15	2011		5	0	0	0	0
KPC	3.15	2011		6	0	0	0	0
KPC	3.15	2011		7	0	0	0	0
KPC	3.15	2011		8	0	0	0	0
KPC	3.15	2011		9	0	0	0	0
KPC	3.15	2011		10	0	0	0	0
KPC	3.15	2011		11	0	0	0	0
KPC	3.15	2011		12	0	0	0	0
KPC	3.15	2012		1	0	0	0	0
KPC	3.15	2012		2	0	0	0	0
KPC	3.15	2012		3	0	0	0	0
KPC	3.15	2012		4	0	0	0	0
KPC	3.15	2012		5	0	0	0	0
KPC	3.15	2012		6	0	0	0	0
KPC	3.15	2012		7	0	0	0	0
KPC	3.15	2012		8	0	0	0	0
KPC	3.15	2012		9	0	0	0	0
KPC	3.15	2012		10	0	0	0	0
KPC	3.15	2012		11	0	0	0	0
KPC	3.15	2012		12	0	0	0	0
KPC	3.15	2013		1	0	0	0	0
KPC	3.15	2013		2	0	0	0	0
KPC	3.15	2013		3	0	0	0	0
KPC	3.15	2013		4	0	0	0	0
KPC	3.15	2013		5	0	0	0	0
KPC	3.15	2013		6	0	0	0	0
KPC	3.15	2013		7	0	0	0	0
KPC	3.15	2013		8	0	0	0	0
KPC	3.15	2013		9	0	0	0	0
KPC	3.15	2013		10	0	0	0	0
KPC	3.15	2013		11	0	0	0	0
KPC	3.15	2013		12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	or2	or3	or4	or5	or6
KPC	3.15	2014		1	0	0	0	0
KPC	3.15	2014		2	0	0	0	0
KPC	3.15	2014		3	0	0	0	0
KPC	3.15	2014		4	0	0	0	0
KPC	3.15	2014		5	0	0	0	0
KPC	3.15	2014		6	0	0	0	0
KPC	3.15	2014		7	0	0	0	0
KPC	3.15	2014		8	0	0	0	0
KPC	3.15	2014		9	0	0	0	0
KPC	3.15	2014		10	0	0	0	0
KPC	3.15	2014		11	0	0	0	0
KPC	3.15	2014		12	0	0	0	0
KPC	3.15	2015		1	0	0	0	0
KPC	3.15	2015		2	0	0	0	0
KPC	3.15	2015		3	0	0	0	0
KPC	3.15	2015		4	0	0	0	0
KPC	3.15	2015		5	0	0	0	0
KPC	3.15	2015		6	0	0	0	0
KPC	3.15	2015		7	0	0	0	0
KPC	3.15	2015		8	0	0	0	0
KPC	3.15	2015		9	0	0	0	0
KPC	3.15	2015		10	0	0	0	0
KPC	3.15	2015		11	0	0	0	0
KPC	3.15	2015		12	0	0	0	0
KPC	3.15	2016		1	0	0	0	0
KPC	3.15	2016		2	0	0	0	0
KPC	3.15	2016		3	0	0	0	0
KPC	3.15	2016		4	0	0	0	0
KPC	3.15	2016		5	0	0	0	0
KPC	3.15	2016		6	0	0	0	0
KPC	3.15	2016		7	0	0	0	0
KPC	3.15	2016		8	0	0	0	0
KPC	3.15	2016		9	0	0	0	0
KPC	3.15	2016		10	0	0	0	0
KPC	3.15	2016		11	0	0	0	0
KPC	3.15	2016		12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	or2	or3	or4	or5	or6
KPC	3.15	2017		1	0	0	0	0
KPC	3.15	2017		2	0	0	0	0
KPC	3.15	2017		3	0	0	0	0
KPC	3.15	2017		4	0	0	0	0
KPC	3.15	2017		5	0	0	0	0
KPC	3.15	2017		6	0	0	0	0
KPC	3.15	2017		7	0	0	0	0
KPC	3.15	2017		8	0	0	0	0
KPC	3.15	2017		9	0	0	0	0
KPC	3.15	2017		10	0	0	0	0
KPC	3.15	2017		11	0	0	0	0
KPC	3.15	2017		12	0	0	0	0
KPC	3.15	2018		1	0	0	0	0
KPC	3.15	2018		2	0	0	0	0
KPC	3.15	2018		3	0	0	0	0
KPC	3.15	2018		4	0	0	0	0
KPC	3.15	2018		5	0	0	0	0
KPC	3.15	2018		6	0	0	0	0
KPC	3.15	2018		7	0	0	0	0
KPC	3.15	2018		8	0	0	0	0
KPC	3.15	2018		9	0	0	0	0
KPC	3.15	2018		10	0	0	0	0
KPC	3.15	2018		11	0	0	0	0
KPC	3.15	2018		12	0	0	0	0
KPC	3.15	2019		1	0	0	0	0
KPC	3.15	2019		2	0	0	0	0
KPC	3.15	2019		3	0	0	0	0
KPC	3.15	2019		4	0	0	0	0
KPC	3.15	2019		5	0	0	0	0
KPC	3.15	2019		6	0	0	0	0
KPC	3.15	2019		7	0	0	0	0
KPC	3.15	2019		8	0	0	0	0
KPC	3.15	2019		9	0	0	0	0
KPC	3.15	2019		10	0	0	0	0
KPC	3.15	2019		11	0	0	0	0
KPC	3.15	2019		12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	or2	or3	or4	or5	or6
KPC	3.15	2020		1	0	0	0	0
KPC	3.15	2020		2	0	0	0	0
KPC	3.15	2020		3	0	0	0	0
KPC	3.15	2020		4	0	0	0	0
KPC	3.15	2020		5	0	0	0	0
KPC	3.15	2020		6	0	0	0	0
KPC	3.15	2020		7	0	0	0	0
KPC	3.15	2020		8	0	0	0	0
KPC	3.15	2020		9	0	0	0	0
KPC	3.15	2020		10	0	0	0	0
KPC	3.15	2020		11	0	0	0	0
KPC	3.15	2020		12	0	0	0	0
KPC	3.15	2021		1	0	0	0	0
KPC	3.15	2021		2	0	0	0	0
KPC	3.15	2021		3	0	0	0	0
KPC	3.15	2021		4	0	0	0	0
KPC	3.15	2021		5	0	0	0	0
KPC	3.15	2021		6	0	0	0	0
KPC	3.15	2021		7	0	0	0	0
KPC	3.15	2021		8	0	0	0	0
KPC	3.15	2021		9	0	0	0	0
KPC	3.15	2021		10	0	0	0	0
KPC	3.15	2021		11	0	0	0	0
KPC	3.15	2021		12	0	0	0	0
KPC	3.2	2008		1	0	0	0	0
KPC	3.2	2008		2	0	0	0	0
KPC	3.2	2008		3	0	0	0	0
KPC	3.2	2008		4	0	0	0	0
KPC	3.2	2008		5	0	0	0	0
KPC	3.2	2008		6	0	0	0	0
KPC	3.2	2008		7	0	0	0	0
KPC	3.2	2008		8	0	0	0	0
KPC	3.2	2008		9	0	0	0	0
KPC	3.2	2008		10	0	0	0	0
KPC	3.2	2008		11	0	0	0	0
KPC	3.2	2008		12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	or2	or3	or4	or5	or6
KPC	3.2	2009	1	0	0	0	0	0
KPC	3.2	2009	2	0	0	0	0	0
KPC	3.2	2009	3	0	0	0	0	0
KPC	3.2	2009	4	0	0	0	0	0
KPC	3.2	2009	5	0	0	0	0	0
KPC	3.2	2009	6	0	0	0	0	0
KPC	3.2	2009	7	0	0	0	0	0
KPC	3.2	2009	8	0	0	0	0	0
KPC	3.2	2009	9	0	0	0	0	0
KPC	3.2	2009	10	0	0	0	0	0
KPC	3.2	2009	11	0	0	0	0	0
KPC	3.2	2009	12	0	0	0	0	0
KPC	3.2	2010	1	0	0	0	0	0
KPC	3.2	2010	2	0	0	0	0	0
KPC	3.2	2010	3	0	0	0	0	0
KPC	3.2	2010	4	0	0	0	0	0
KPC	3.2	2010	5	0	0	0	0	0
KPC	3.2	2010	6	0	0	0	0	0
KPC	3.2	2010	7	0	0	0	0	0
KPC	3.2	2010	8	0	0	0	0	0
KPC	3.2	2010	9	0	0	0	0	0
KPC	3.2	2010	10	0	0	0	0	0
KPC	3.2	2010	11	0	0	0	0	0
KPC	3.2	2010	12	0	0	0	0	0
KPC	3.2	2011	1	0	0	0	0	0
KPC	3.2	2011	2	0	0	0	0	0
KPC	3.2	2011	3	0	0	0	0	0
KPC	3.2	2011	4	0	0	0	0	0
KPC	3.2	2011	5	0	0	0	0	0
KPC	3.2	2011	6	0	0	0	0	0
KPC	3.2	2011	7	0	0	0	0	0
KPC	3.2	2011	8	0	0	0	0	0
KPC	3.2	2011	9	0	0	0	0	0
KPC	3.2	2011	10	0	0	0	0	0
KPC	3.2	2011	11	0	0	0	0	0
KPC	3.2	2011	12	0	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	or2	or3	or4	or5	or6
KPC	3.2	2012	1	0	0	0	0	0
KPC	3.2	2012	2	0	0	0	0	0
KPC	3.2	2012	3	0	0	0	0	0
KPC	3.2	2012	4	0	0	0	0	0
KPC	3.2	2012	5	0	0	0	0	0
KPC	3.2	2012	6	0	0	0	0	0
KPC	3.2	2012	7	0	0	0	0	0
KPC	3.2	2012	8	0	0	0	0	0
KPC	3.2	2012	9	0	0	0	0	0
KPC	3.2	2012	10	0	0	0	0	0
KPC	3.2	2012	11	0	0	0	0	0
KPC	3.2	2012	12	0	0	0	0	0
KPC	3.2	2013	1	0	0	0	0	0
KPC	3.2	2013	2	0	0	0	0	0
KPC	3.2	2013	3	0	0	0	0	0
KPC	3.2	2013	4	0	0	0	0	0
KPC	3.2	2013	5	0	0	0	0	0
KPC	3.2	2013	6	0	0	0	0	0
KPC	3.2	2013	7	0	0	0	0	0
KPC	3.2	2013	8	0	0	0	0	0
KPC	3.2	2013	9	0	0	0	0	0
KPC	3.2	2013	10	0	0	0	0	0
KPC	3.2	2013	11	0	0	0	0	0
KPC	3.2	2013	12	0	0	0	0	0
KPC	3.2	2014	1	0	0	0	0	0
KPC	3.2	2014	2	0	0	0	0	0
KPC	3.2	2014	3	0	0	0	0	0
KPC	3.2	2014	4	0	0	0	0	0
KPC	3.2	2014	5	0	0	0	0	0
KPC	3.2	2014	6	0	0	0	0	0
KPC	3.2	2014	7	0	0	0	0	0
KPC	3.2	2014	8	0	0	0	0	0
KPC	3.2	2014	9	0	0	0	0	0
KPC	3.2	2014	10	0	0	0	0	0
KPC	3.2	2014	11	0	0	0	0	0
KPC	3.2	2014	12	0	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	or2	or3	or4	or5	or6
KPC	3.2	2015	1	0	0	0	0	0
KPC	3.2	2015	2	0	0	0	0	0
KPC	3.2	2015	3	0	0	0	0	0
KPC	3.2	2015	4	0	0	0	0	0
KPC	3.2	2015	5	0	0	0	0	0
KPC	3.2	2015	6	0	0	0	0	0
KPC	3.2	2015	7	0	0	0	0	0
KPC	3.2	2015	8	0	0	0	0	0
KPC	3.2	2015	9	0	0	0	0	0
KPC	3.2	2015	10	0	0	0	0	0
KPC	3.2	2015	11	0	0	0	0	0
KPC	3.2	2015	12	0	0	0	0	0
KPC	3.2	2016	1	0	0	0	0	0
KPC	3.2	2016	2	0	0	0	0	0
KPC	3.2	2016	3	0	0	0	0	0
KPC	3.2	2016	4	0	0	0	0	0
KPC	3.2	2016	5	0	0	0	0	0
KPC	3.2	2016	6	0	0	0	0	0
KPC	3.2	2016	7	0	0	0	0	0
KPC	3.2	2016	8	0	0	0	0	0
KPC	3.2	2016	9	0	0	0	0	0
KPC	3.2	2016	10	0	0	0	0	0
KPC	3.2	2016	11	0	0	0	0	0
KPC	3.2	2016	12	0	0	0	0	0
KPC	3.2	2017	1	0	0	0	0	0
KPC	3.2	2017	2	0	0	0	0	0
KPC	3.2	2017	3	0	0	0	0	0
KPC	3.2	2017	4	0	0	0	0	0
KPC	3.2	2017	5	0	0	0	0	0
KPC	3.2	2017	6	0	0	0	0	0
KPC	3.2	2017	7	0	0	0	0	0
KPC	3.2	2017	8	0	0	0	0	0
KPC	3.2	2017	9	0	0	0	0	0
KPC	3.2	2017	10	0	0	0	0	0
KPC	3.2	2017	11	0	0	0	0	0
KPC	3.2	2017	12	0	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	or2	or3	or4	or5	or6
KPC	3.2	2018	1	0	0	0	0	0
KPC	3.2	2018	2	0	0	0	0	0
KPC	3.2	2018	3	0	0	0	0	0
KPC	3.2	2018	4	0	0	0	0	0
KPC	3.2	2018	5	0	0	0	0	0
KPC	3.2	2018	6	0	0	0	0	0
KPC	3.2	2018	7	0	0	0	0	0
KPC	3.2	2018	8	0	0	0	0	0
KPC	3.2	2018	9	0	0	0	0	0
KPC	3.2	2018	10	0	0	0	0	0
KPC	3.2	2018	11	0	0	0	0	0
KPC	3.2	2018	12	0	0	0	0	0
KPC	3.2	2019	1	0	0	0	0	0
KPC	3.2	2019	2	0	0	0	0	0
KPC	3.2	2019	3	0	0	0	0	0
KPC	3.2	2019	4	0	0	0	0	0
KPC	3.2	2019	5	0	0	0	0	0
KPC	3.2	2019	6	0	0	0	0	0
KPC	3.2	2019	7	0	0	0	0	0
KPC	3.2	2019	8	0	0	0	0	0
KPC	3.2	2019	9	0	0	0	0	0
KPC	3.2	2019	10	0	0	0	0	0
KPC	3.2	2019	11	0	0	0	0	0
KPC	3.2	2019	12	0	0	0	0	0
KPC	3.2	2020	1	0	0	0	0	0
KPC	3.2	2020	2	0	0	0	0	0
KPC	3.2	2020	3	0	0	0	0	0
KPC	3.2	2020	4	0	0	0	0	0
KPC	3.2	2020	5	0	0	0	0	0
KPC	3.2	2020	6	0	0	0	0	0
KPC	3.2	2020	7	0	0	0	0	0
KPC	3.2	2020	8	0	0	0	0	0
KPC	3.2	2020	9	0	0	0	0	0
KPC	3.2	2020	10	0	0	0	0	0
KPC	3.2	2020	11	0	0	0	0	0
KPC	3.2	2020	12	0	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	or2	or3	or4	or5	or6
KPC	3.2	2021	1	0	0	0	0	0
KPC	3.2	2021	2	0	0	0	0	0
KPC	3.2	2021	3	0	0	0	0	0
KPC	3.2	2021	4	0	0	0	0	0
KPC	3.2	2021	5	0	0	0	0	0
KPC	3.2	2021	6	0	0	0	0	0
KPC	3.2	2021	7	0	0	0	0	0
KPC	3.2	2021	8	0	0	0	0	0
KPC	3.2	2021	9	0	0	0	0	0
KPC	3.2	2021	10	0	0	0	0	0
KPC	3.2	2021	11	0	0	0	0	0
KPC	3.2	2021	12	0	0	0	0	0
KPC	3.25	2008	1	0	0	0	0	0
KPC	3.25	2008	2	0	0	0	0	0
KPC	3.25	2008	3	0	0	0	0	0
KPC	3.25	2008	4	0	0	0	0	0
KPC	3.25	2008	5	0	0	0	0	0
KPC	3.25	2008	6	0	0	0	0	0
KPC	3.25	2008	7	0	0	0	0	0
KPC	3.25	2008	8	0	0	0	0	0
KPC	3.25	2008	9	0	0	0	0	0
KPC	3.25	2008	10	0	0	0	0	0
KPC	3.25	2008	11	0	0	0	0	0
KPC	3.25	2008	12	0	0	0	0	0
KPC	3.25	2009	1	0	0	0	0	0
KPC	3.25	2009	2	0	0	0	0	0
KPC	3.25	2009	3	0	0	0	0	0
KPC	3.25	2009	4	0	0	0	0	0
KPC	3.25	2009	5	0	0	0	0	0
KPC	3.25	2009	6	0	0	0	0	0
KPC	3.25	2009	7	0	0	0	0	0
KPC	3.25	2009	8	0	0	0	0	0
KPC	3.25	2009	9	0	0	0	0	0
KPC	3.25	2009	10	0	0	0	0	0
KPC	3.25	2009	11	0	0	0	0	0
KPC	3.25	2009	12	0	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	or2	or3	or4	or5	or6
KPC	3.25	2010		1	0	0	0	0
KPC	3.25	2010		2	0	0	0	0
KPC	3.25	2010		3	0	0	0	0
KPC	3.25	2010		4	0	0	0	0
KPC	3.25	2010		5	0	0	0	0
KPC	3.25	2010		6	0	0	0	0
KPC	3.25	2010		7	0	0	0	0
KPC	3.25	2010		8	0	0	0	0
KPC	3.25	2010		9	0	0	0	0
KPC	3.25	2010		10	0	0	0	0
KPC	3.25	2010		11	0	0	0	0
KPC	3.25	2010		12	0	0	0	0
KPC	3.25	2011		1	0	0	0	0
KPC	3.25	2011		2	0	0	0	0
KPC	3.25	2011		3	0	0	0	0
KPC	3.25	2011		4	0	0	0	0
KPC	3.25	2011		5	0	0	0	0
KPC	3.25	2011		6	0	0	0	0
KPC	3.25	2011		7	0	0	0	0
KPC	3.25	2011		8	0	0	0	0
KPC	3.25	2011		9	0	0	0	0
KPC	3.25	2011		10	0	0	0	0
KPC	3.25	2011		11	0	0	0	0
KPC	3.25	2011		12	0	0	0	0
KPC	3.25	2012		1	0	0	0	0
KPC	3.25	2012		2	0	0	0	0
KPC	3.25	2012		3	0	0	0	0
KPC	3.25	2012		4	0	0	0	0
KPC	3.25	2012		5	0	0	0	0
KPC	3.25	2012		6	0	0	0	0
KPC	3.25	2012		7	0	0	0	0
KPC	3.25	2012		8	0	0	0	0
KPC	3.25	2012		9	0	0	0	0
KPC	3.25	2012		10	0	0	0	0
KPC	3.25	2012		11	0	0	0	0
KPC	3.25	2012		12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	or2	or3	or4	or5	or6
KPC	3.25	2013	1	0	0	0	0	0
KPC	3.25	2013	2	0	0	0	0	0
KPC	3.25	2013	3	0	0	0	0	0
KPC	3.25	2013	4	0	0	0	0	0
KPC	3.25	2013	5	0	0	0	0	0
KPC	3.25	2013	6	0	0	0	0	0
KPC	3.25	2013	7	0	0	0	0	0
KPC	3.25	2013	8	0	0	0	0	0
KPC	3.25	2013	9	0	0	0	0	0
KPC	3.25	2013	10	0	0	0	0	0
KPC	3.25	2013	11	0	0	0	0	0
KPC	3.25	2013	12	0	0	0	0	0
KPC	3.25	2014	1	0	0	0	0	0
KPC	3.25	2014	2	0	0	0	0	0
KPC	3.25	2014	3	0	0	0	0	0
KPC	3.25	2014	4	0	0	0	0	0
KPC	3.25	2014	5	0	0	0	0	0
KPC	3.25	2014	6	0	0	0	0	0
KPC	3.25	2014	7	0	0	0	0	0
KPC	3.25	2014	8	0	0	0	0	0
KPC	3.25	2014	9	0	0	0	0	0
KPC	3.25	2014	10	0	0	0	0	0
KPC	3.25	2014	11	0	0	0	0	0
KPC	3.25	2014	12	0	0	0	0	0
KPC	3.25	2015	1	0	0	0	0	0
KPC	3.25	2015	2	0	0	0	0	0
KPC	3.25	2015	3	0	0	0	0	0
KPC	3.25	2015	4	0	0	0	0	0
KPC	3.25	2015	5	0	0	0	0	0
KPC	3.25	2015	6	0	0	0	0	0
KPC	3.25	2015	7	0	0	0	0	0
KPC	3.25	2015	8	0	0	0	0	0
KPC	3.25	2015	9	0	0	0	0	0
KPC	3.25	2015	10	0	0	0	0	0
KPC	3.25	2015	11	0	0	0	0	0
KPC	3.25	2015	12	0	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	or2	or3	or4	or5	or6
KPC	3.25	2016	1	0	0	0	0	0
KPC	3.25	2016	2	0	0	0	0	0
KPC	3.25	2016	3	0	0	0	0	0
KPC	3.25	2016	4	0	0	0	0	0
KPC	3.25	2016	5	0	0	0	0	0
KPC	3.25	2016	6	0	0	0	0	0
KPC	3.25	2016	7	0	0	0	0	0
KPC	3.25	2016	8	0	0	0	0	0
KPC	3.25	2016	9	0	0	0	0	0
KPC	3.25	2016	10	0	0	0	0	0
KPC	3.25	2016	11	0	0	0	0	0
KPC	3.25	2016	12	0	0	0	0	0
KPC	3.25	2017	1	0	0	0	0	0
KPC	3.25	2017	2	0	0	0	0	0
KPC	3.25	2017	3	0	0	0	0	0
KPC	3.25	2017	4	0	0	0	0	0
KPC	3.25	2017	5	0	0	0	0	0
KPC	3.25	2017	6	0	0	0	0	0
KPC	3.25	2017	7	0	0	0	0	0
KPC	3.25	2017	8	0	0	0	0	0
KPC	3.25	2017	9	0	0	0	0	0
KPC	3.25	2017	10	0	0	0	0	0
KPC	3.25	2017	11	0	0	0	0	0
KPC	3.25	2017	12	0	0	0	0	0
KPC	3.25	2018	1	0	0	0	0	0
KPC	3.25	2018	2	0	0	0	0	0
KPC	3.25	2018	3	0	0	0	0	0
KPC	3.25	2018	4	0	0	0	0	0
KPC	3.25	2018	5	0	0	0	0	0
KPC	3.25	2018	6	0	0	0	0	0
KPC	3.25	2018	7	0	0	0	0	0
KPC	3.25	2018	8	0	0	0	0	0
KPC	3.25	2018	9	0	0	0	0	0
KPC	3.25	2018	10	0	0	0	0	0
KPC	3.25	2018	11	0	0	0	0	0
KPC	3.25	2018	12	0	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	or2	or3	or4	or5	or6
KPC	3.25	2019	1	0	0	0	0	0
KPC	3.25	2019	2	0	0	0	0	0
KPC	3.25	2019	3	0	0	0	0	0
KPC	3.25	2019	4	0	0	0	0	0
KPC	3.25	2019	5	0	0	0	0	0
KPC	3.25	2019	6	0	0	0	0	0
KPC	3.25	2019	7	0	0	0	0	0
KPC	3.25	2019	8	0	0	0	0	0
KPC	3.25	2019	9	0	0	0	0	0
KPC	3.25	2019	10	0	0	0	0	0
KPC	3.25	2019	11	0	0	0	0	0
KPC	3.25	2019	12	0	0	0	0	0
KPC	3.25	2020	1	0	0	0	0	0
KPC	3.25	2020	2	0	0	0	0	0
KPC	3.25	2020	3	0	0	0	0	0
KPC	3.25	2020	4	0	0	0	0	0
KPC	3.25	2020	5	0	0	0	0	0
KPC	3.25	2020	6	0	0	0	0	0
KPC	3.25	2020	7	0	0	0	0	0
KPC	3.25	2020	8	0	0	0	0	0
KPC	3.25	2020	9	0	0	0	0	0
KPC	3.25	2020	10	0	0	0	0	0
KPC	3.25	2020	11	0	0	0	0	0
KPC	3.25	2020	12	0	0	0	0	0
KPC	3.25	2021	1	0	0	0	0	0
KPC	3.25	2021	2	0	0	0	0	0
KPC	3.25	2021	3	0	0	0	0	0
KPC	3.25	2021	4	0	0	0	0	0
KPC	3.25	2021	5	0	0	0	0	0
KPC	3.25	2021	6	0	0	0	0	0
KPC	3.25	2021	7	0	0	0	0	0
KPC	3.25	2021	8	0	0	0	0	0
KPC	3.25	2021	9	0	0	0	0	0
KPC	3.25	2021	10	0	0	0	0	0
KPC	3.25	2021	11	0	0	0	0	0
KPC	3.25	2021	12	0	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	or2	or3	or4	or5	or6
KPC	4	2008	1	1	0	0	0	0
KPC	4	2008	2	2	0	0	0	0
KPC	4	2008	3	3	0	0	0	0
KPC	4	2008	4	4	0	0	0	0
KPC	4	2008	5	5	0	0	0	0
KPC	4	2008	6	6	0	0	0	0
KPC	4	2008	7	7	0	0	0	0
KPC	4	2008	8	8	0	0	0	0
KPC	4	2008	9	9	0	0	0	0
KPC	4	2008	10	10	0	0	0	0
KPC	4	2008	11	11	0	0	0	0
KPC	4	2008	12	12	0	0	0	0
KPC	4	2009	1	1	0	0	0	0
KPC	4	2009	2	2	0	0	0	0
KPC	4	2009	3	3	0	0	0	0
KPC	4	2009	4	4	0	0	0	0
KPC	4	2009	5	5	0	0	0	0
KPC	4	2009	6	6	0	0	0	0
KPC	4	2009	7	7	0	0	0	0
KPC	4	2009	8	8	0	0	0	0
KPC	4	2009	9	9	0	0	0	0
KPC	4	2009	10	10	0	0	0	0
KPC	4	2009	11	11	0	0	0	0
KPC	4	2009	12	12	0	0	0	0
KPC	4	2010	1	1	0	0	0	0
KPC	4	2010	2	2	0	0	0	0
KPC	4	2010	3	3	0	0	0	0
KPC	4	2010	4	4	0	0	0	0
KPC	4	2010	5	5	0	0	0	0
KPC	4	2010	6	6	0	0	0	0
KPC	4	2010	7	7	0	0	0	0
KPC	4	2010	8	8	0	0	0	0
KPC	4	2010	9	9	0	0	0	0
KPC	4	2010	10	10	0	0	0	0
KPC	4	2010	11	11	0	0	0	0
KPC	4	2010	12	12	0	0	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	or2	or3	or4	or5	or6
KPC	4	2011	1	1	0	0	0	0
KPC	4	2011	2	2	0	0	0	0
KPC	4	2011	3	3	0	0	0	0
KPC	4	2011	4	4	1	0	0	0
KPC	4	2011	5	5	0	0	0	0
KPC	4	2011	6	6	0	0	0	0
KPC	4	2011	7	7	0	0	0	0
KPC	4	2011	8	8	0	0	0	0
KPC	4	2011	9	9	0	0	0	0
KPC	4	2011	10	10	0	0	0	0
KPC	4	2011	11	11	0	0	0	0
KPC	4	2011	12	12	0	0	0	0
KPC	4	2012	1	1	0	0	0	0
KPC	4	2012	2	2	0	0	0	0
KPC	4	2012	3	3	0	0	0	0
KPC	4	2012	4	4	0	0	0	0
KPC	4	2012	5	5	0	0	0	0
KPC	4	2012	6	6	0	0	0	0
KPC	4	2012	7	7	0	0	0	0
KPC	4	2012	8	8	0	0	0	0
KPC	4	2012	9	9	0	0	0	0
KPC	4	2012	10	10	0	0	0	0
KPC	4	2012	11	11	0	0	0	0
KPC	4	2012	12	12	0	0	0	0
KPC	4	2013	1	1	0	0	0	0
KPC	4	2013	2	2	0	0	0	0
KPC	4	2013	3	3	0	0	0	0
KPC	4	2013	4	4	0	0	0	0
KPC	4	2013	5	5	0	0	0	0
KPC	4	2013	6	6	0	0	0	0
KPC	4	2013	7	7	0	0	0	0
KPC	4	2013	8	8	0	0	0	0
KPC	4	2013	9	9	0	0	0	0
KPC	4	2013	10	10	0	1	0	0
KPC	4	2013	11	11	0	1	0	0
KPC	4	2013	12	12	0	1	0	0
KPC	4	2013	1	1	0	1	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	or2	or3	or4	or5	or6
KPC	4	2014	1	1	0	1	0	0
KPC	4	2014	2	2	0	1	0	0
KPC	4	2014	3	3	0	1	0	0
KPC	4	2014	4	4	0	1	0	0
KPC	4	2014	5	5	0	1	0	0
KPC	4	2014	6	6	0	1	0	0
KPC	4	2014	7	7	0	1	0	0
KPC	4	2014	8	8	0	1	0	0
KPC	4	2014	9	9	0	1	0	0
KPC	4	2014	10	10	0	1	0	0
KPC	4	2014	11	11	0	1	0	0
KPC	4	2014	12	12	0	1	0	0
KPC	4	2015	1	1	0	1	0	0
KPC	4	2015	2	2	0	1	0	0
KPC	4	2015	3	3	0	1	0	0
KPC	4	2015	4	4	0	1	0	0
KPC	4	2015	5	5	0	1	0	0
KPC	4	2015	6	6	0	1	0	0
KPC	4	2015	7	7	0	1	-1	0
KPC	4	2015	8	8	0	1	1	0
KPC	4	2015	9	9	0	1	0	0
KPC	4	2015	10	10	0	1	0	0
KPC	4	2015	11	11	0	1	0	0
KPC	4	2015	12	12	0	1	0	0
KPC	4	2016	1	1	0	1	0	0
KPC	4	2016	2	2	0	1	0	0
KPC	4	2016	3	3	0	1	0	0
KPC	4	2016	4	4	0	1	0	0
KPC	4	2016	5	5	0	1	0	0
KPC	4	2016	6	6	0	1	0	0
KPC	4	2016	7	7	0	1	0	0
KPC	4	2016	8	8	0	1	0	0
KPC	4	2016	9	9	0	1	0	0
KPC	4	2016	10	10	0	1	0	1
KPC	4	2016	11	11	0	1	0	0
KPC	4	2016	12	12	0	1	0	0

Kentucky Power Company
 Customer Models Input Data

JURIS	revcls	YEAR	MONTH	or2	or3	or4	or5	or6
KPC	4	2020	1	1	0	1	0	0
KPC	4	2020	2	2	0	1	0	0
KPC	4	2020	3	3	0	1	0	0
KPC	4	2020	4	4	0	1	0	0
KPC	4	2020	5	5	0	1	0	0
KPC	4	2020	6	6	0	1	0	0
KPC	4	2020	7	7	0	1	0	0
KPC	4	2020	8	8	0	1	0	0
KPC	4	2020	9	9	0	1	0	0
KPC	4	2020	10	10	0	1	0	0
KPC	4	2020	11	11	0	1	0	0
KPC	4	2020	12	12	0	1	0	0
KPC	4	2021	1	1	0	1	0	0
KPC	4	2021	2	2	0	1	0	0
KPC	4	2021	3	3	0	1	0	0
KPC	4	2021	4	4	0	1	0	0
KPC	4	2021	5	5	0	1	0	0
KPC	4	2021	6	6	0	1	0	0
KPC	4	2021	7	7	0	1	0	0
KPC	4	2021	8	8	0	1	0	0
KPC	4	2021	9	9	0	1	0	0
KPC	4	2021	10	10	0	1	0	0
KPC	4	2021	11	11	0	1	0	0
KPC	4	2021	12	12	0	1	0	0

Kentucky Power Company
 Residential Customers

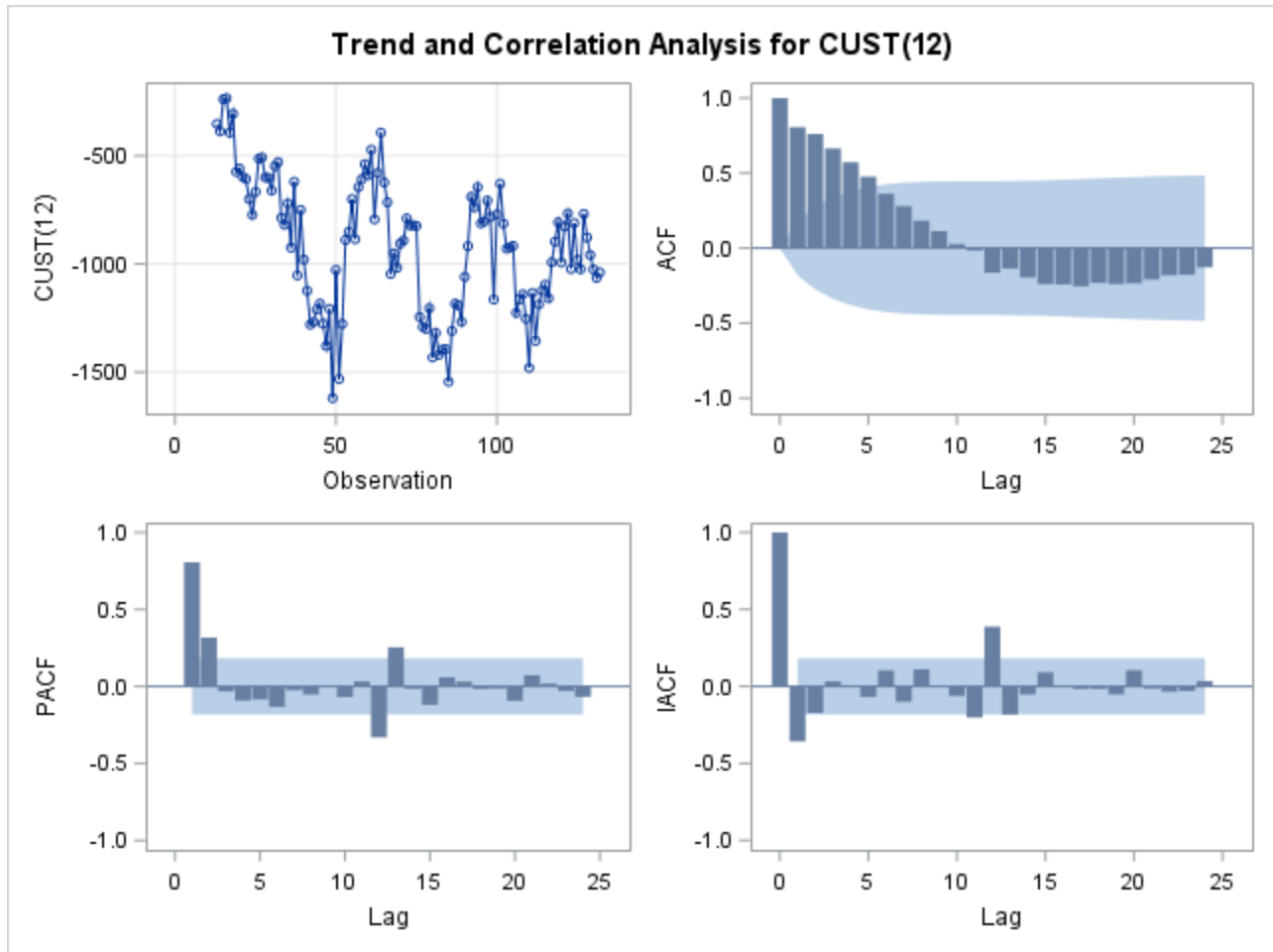
The ARIMA Procedure

Name of Variable = CUST

Period(s) of Differencing	12
Mean of Working Series	-914.658
Standard Deviation	304.313
Number of Observations	120
Observation(s) eliminated by differencing	12

Autocorrelation Check for White Noise

To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	294.12	6	<.0001	0.806	0.761	0.664	0.573	0.477	0.362
12	314.08	12	<.0001	0.280	0.182	0.113	0.027	-0.016	-0.164
18	355.12	18	<.0001	-0.136	-0.196	-0.240	-0.242	-0.254	-0.232
24	390.11	24	<.0001	-0.239	-0.234	-0.209	-0.181	-0.178	-0.128



Maximum Likelihood Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr > |t|	Lag
MU	-904.40603	89.64235	-10.09	<.0001	0
AR1,1	0.63763	0.08420	7.57	<.0001	1
AR1,2	0.32058	0.08371	3.83	0.0001	2
AR2,1	-0.75058	0.07009	-10.71	<.0001	12
AR3,1	-0.54884	0.08637	-6.35	<.0001	24

Constant Estimate -102.472

Variance Estimate 16360.85

Std Error Estimate 127.9095

AIC 1522.898

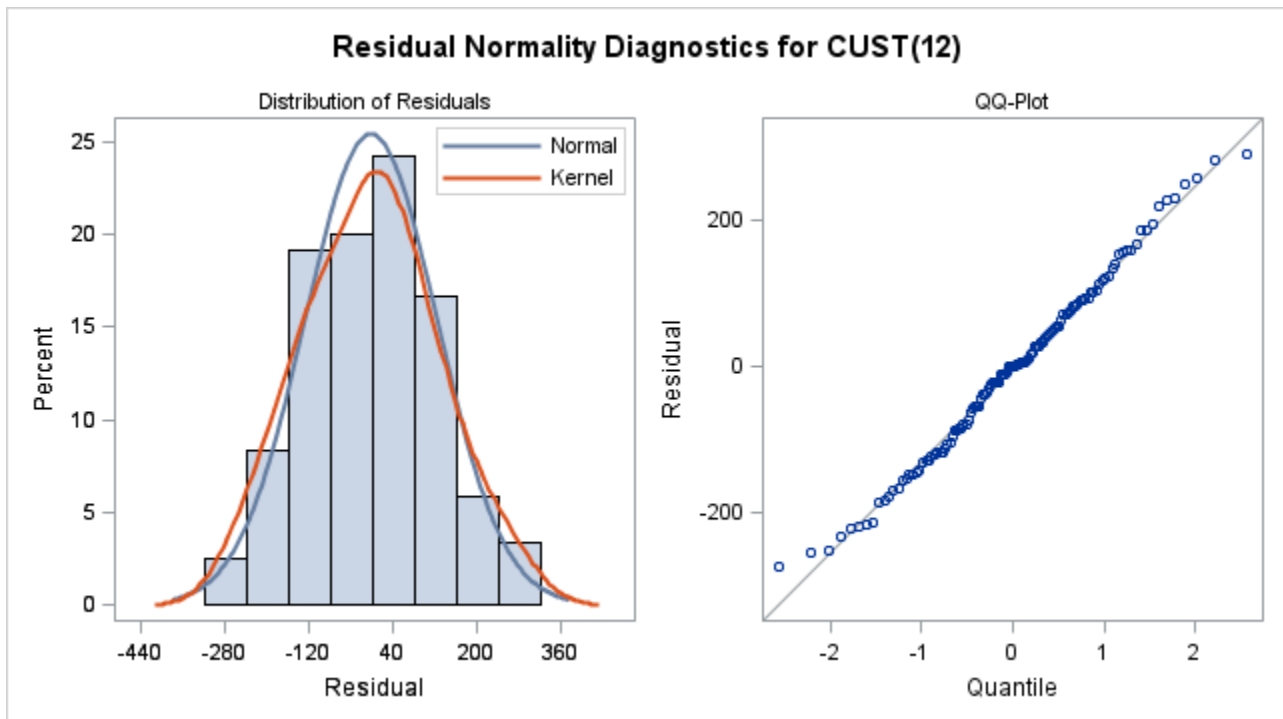
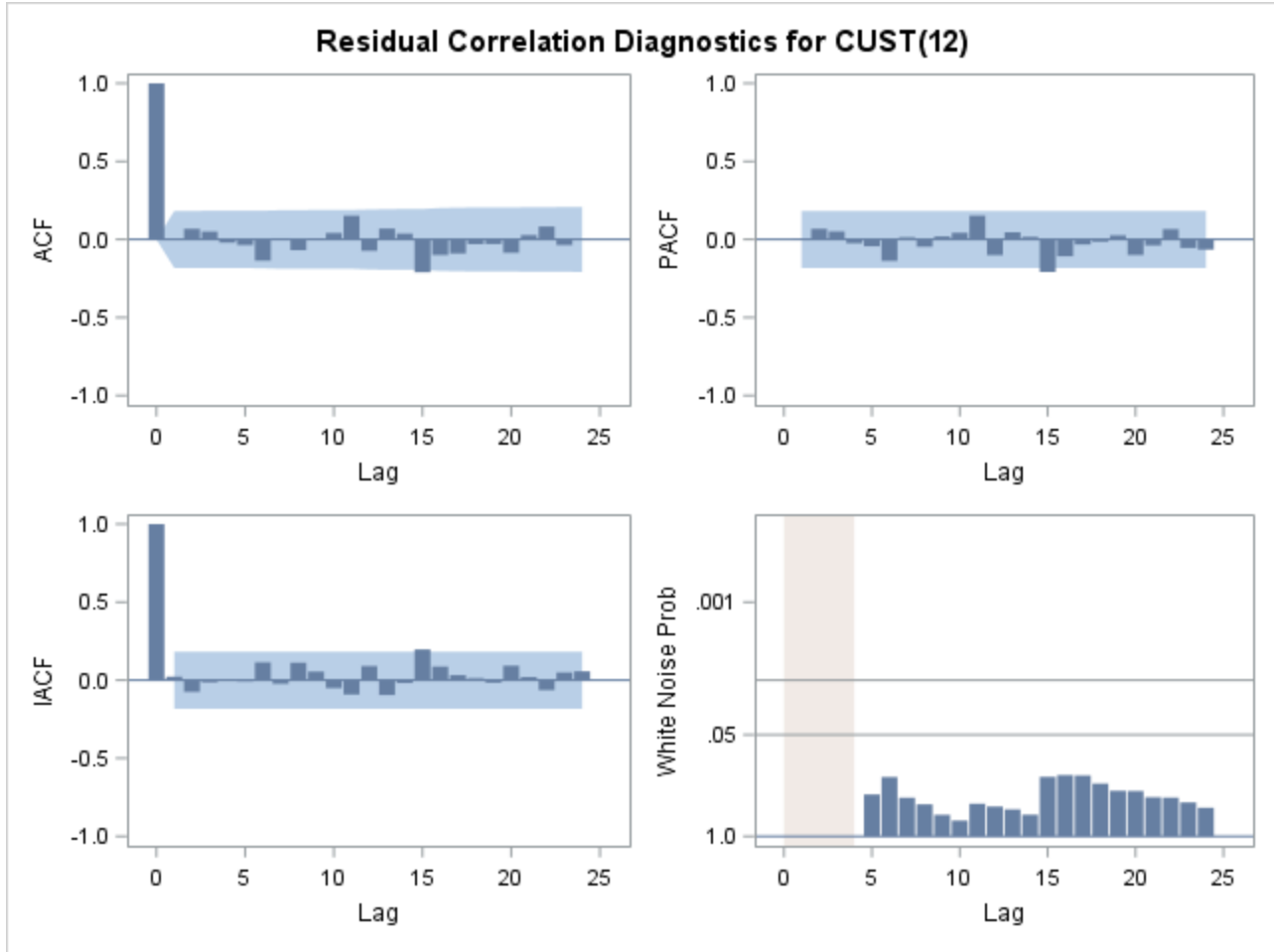
SBC 1536.836
Number of Residuals 120

Correlations of Parameter Estimates

Parameter	MU	AR1,1	AR1,2	AR2,1	AR3,1
MU	1.000	-0.020	-0.064	-0.000	-0.010
AR1,1	-0.020	1.000	-0.946	-0.056	0.036
AR1,2	-0.064	-0.946	1.000	-0.006	-0.091
AR2,1	-0.000	-0.056	-0.006	1.000	0.470
AR3,1	-0.010	0.036	-0.091	0.470	1.000

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	3.40	2	0.1822	-0.002	0.070	0.052	-0.018	-0.034	-0.133
12	8.14	8	0.4198	0.010	-0.066	0.011	0.044	0.155	-0.070
18	17.47	14	0.2319	0.072	0.041	-0.206	-0.096	-0.086	-0.026
24	19.95	20	0.4609	-0.025	-0.081	0.032	0.087	-0.032	0.004



Model for variable CUST

Estimated Mean -904.406
Period(s) of Differencing 12

Autoregressive Factors

Factor 1: 1 - 0.63763 B**(1) - 0.32058 B**(2)

Factor 2: 1 + 0.75058 B**(12)

Factor 3: 1 + 0.54884 B**(24)

Outlier Detection Summary

Maximum number searched 3
Number found 3
Significance used 0.05

Outlier Details

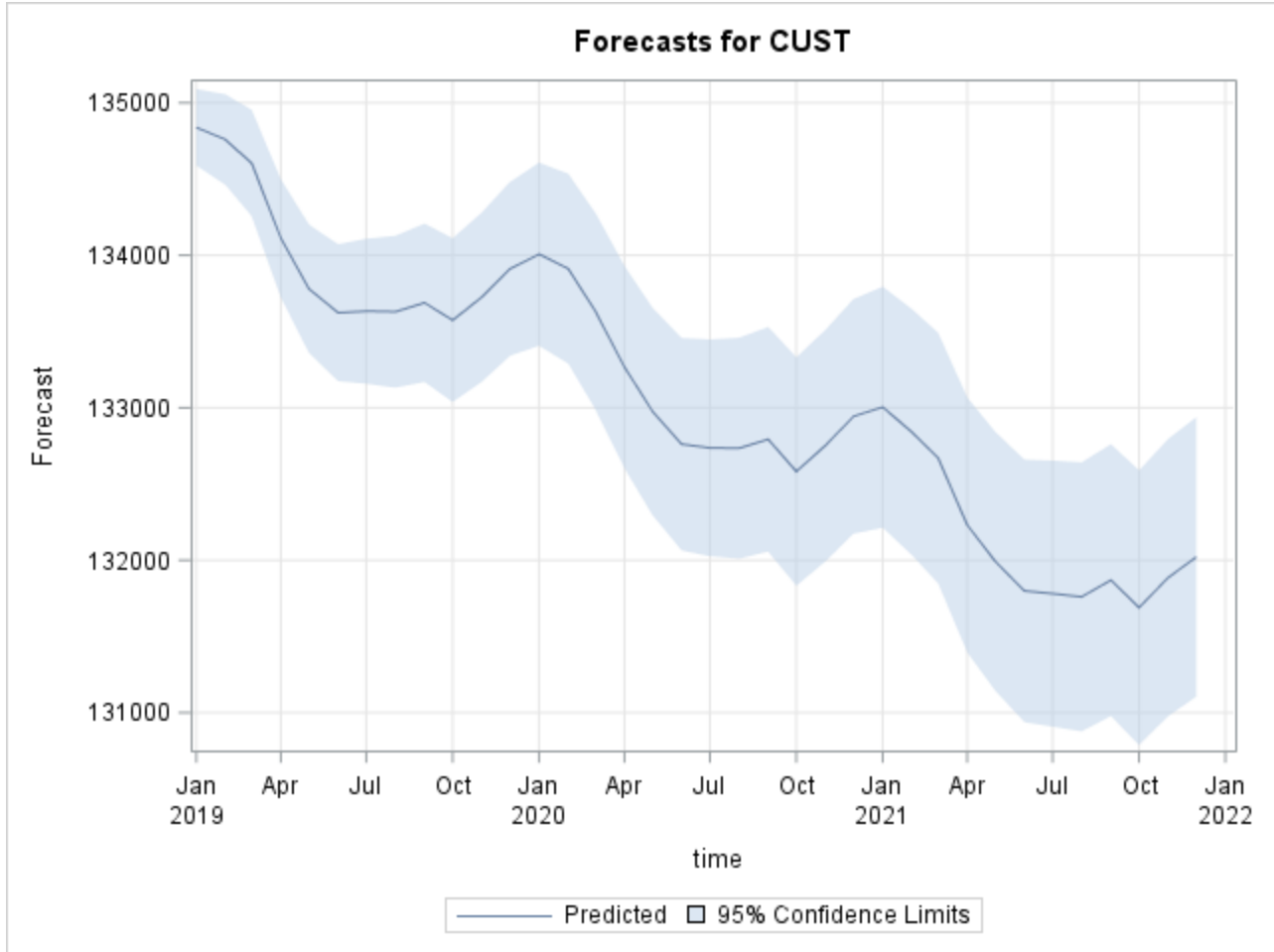
Obs	Time ID	Type	Estimate	Chi-Square	Approx Prob>ChiSq
37	JAN2011	Additive	305.72771	9.17	0.0025
76	APR2014	Shift	-270.56944	6.65	0.0099
39	MAR2011	Additive	250.20317	7.41	0.0065

Forecasts for variable CUST

Obs	Forecast	Std Error	95% Confidence Limits	
133	134838.9	127.91	134588.2	135089.6
134	134758.9	151.70	134461.5	135056.2
135	134604.2	177.94	134255.5	134953.0
136	134112.0	197.40	133725.1	134498.9
137	133780.0	214.65	133359.3	134200.7
138	133623.9	229.47	133174.1	134073.6
139	133633.0	242.62	133157.5	134108.5
140	133630.6	254.31	133132.1	134129.0
141	133688.8	264.82	133169.7	134207.8

Forecasts for variable CUST

Obs	Forecast	Std Error	95% Confidence Limits	
142	133574.4	274.32	133036.8	134112.1
143	133726.4	282.93	133171.8	134280.9
144	133910.9	290.79	133340.9	134480.8
145	134007.6	306.51	133406.9	134608.4
146	133913.2	317.63	133290.6	134535.7
147	133633.6	328.60	132989.5	134277.6
148	133266.3	338.29	132603.3	133929.4
149	132974.7	347.23	132294.1	133655.2
150	132760.6	355.37	132064.1	133457.2
151	132737.2	362.86	132026.0	133448.4
152	132734.5	369.75	132009.8	133459.2
153	132793.3	376.09	132056.2	133530.4
154	132582.0	381.95	131833.4	133330.6
155	132752.1	387.36	131992.9	133511.3
156	132944.0	392.38	132175.0	133713.1
157	133004.3	403.55	132213.3	133795.2
158	132841.1	411.44	132034.7	133647.5
159	132670.3	419.41	131848.3	133492.3
160	132231.9	426.52	131395.9	133067.9
161	131991.6	433.16	131142.6	132840.6
162	131798.2	439.28	130937.2	132659.2
163	131780.8	444.94	130908.8	132652.9
164	131760.1	450.19	130877.8	132642.5
165	131869.6	455.07	130977.6	132761.5
166	131689.3	459.59	130788.5	132590.0
167	131886.0	463.79	130977.0	132795.1
168	132021.3	467.70	131104.6	132938.0



Kentucky Power Company
 Commercial Customers

The ARIMA Procedure
Maximum Likelihood Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr > |t|	Lag	Variable	Shift
MU	16308.7	8124.2	2.01	0.0447	0	CUST	0
MA1,1	-0.23689	0.09454	-2.51	0.0122	1	CUST	0
AR1,1	0.48392	0.09090	5.32	<.0001	2	CUST	0
AR2,1	-0.46587	0.08871	-5.25	<.0001	12	CUST	0
NUM1	-44.22866	22.24670	-1.99	0.0468	0	time	0
NUM2	-661.58275	39.12082	-16.91	<.0001	0	com1	0
NUM3	538.37022	41.38933	13.01	<.0001	0	com2	0
NUM4	12977.8	1200.5	10.81	<.0001	0	com3	0
NUM5	-0.64525	0.05864	-11.00	<.0001	0	com3slope	0
NUM6	97.49969	32.55327	3.00	0.0027	0	com4	0

Constant Estimate	12337.67
Variance Estimate	3180.535
Std Error Estimate	56.39623
AIC	1321.329
SBC	1349.204
Number of Residuals	120

Correlations of Parameter Estimates

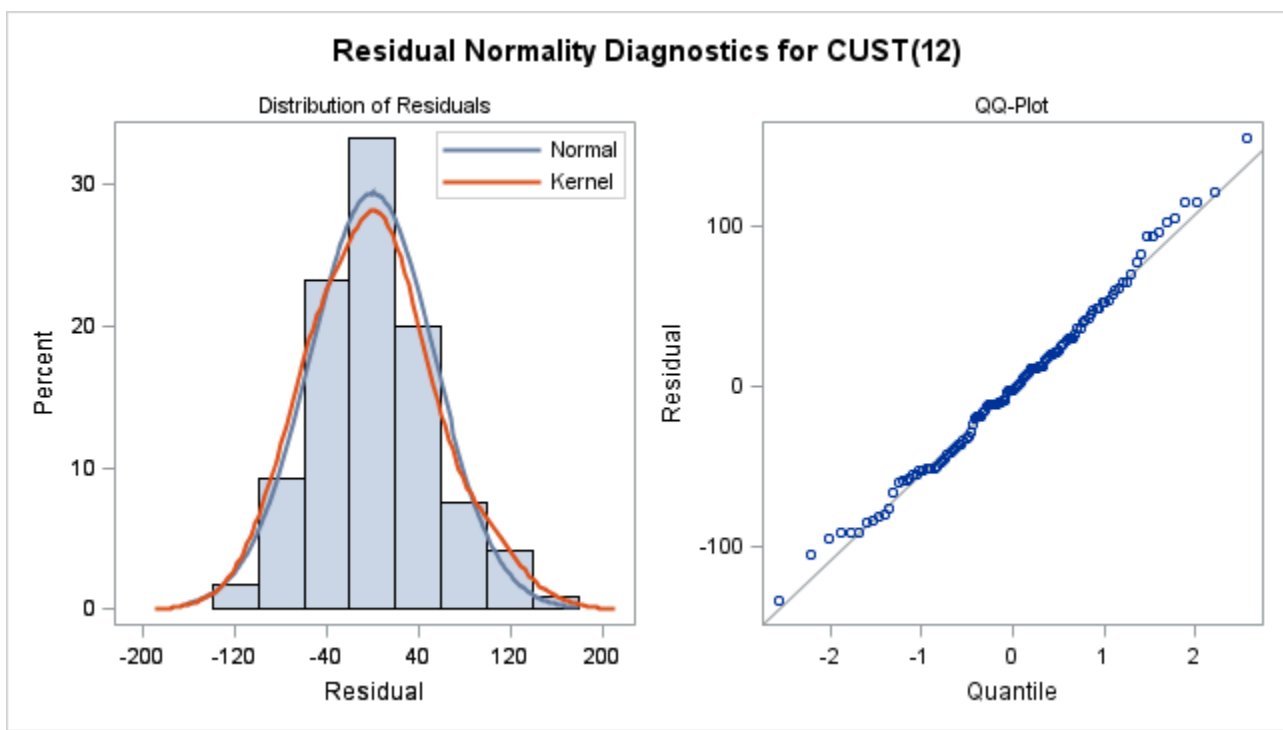
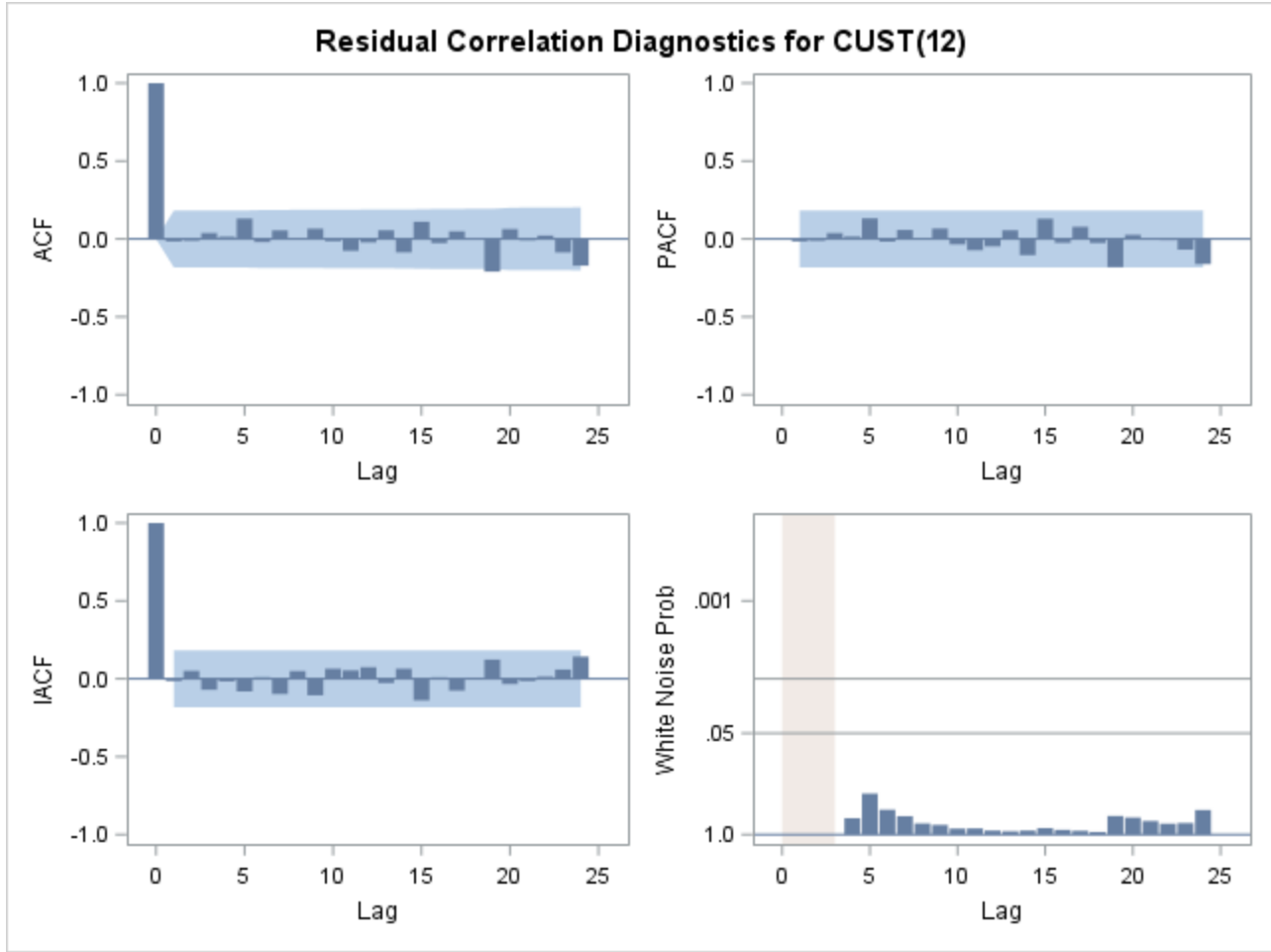
Variable Parameter	CUS T MU	CUST MA1, 1	CUS T AR1, 1	CUS T AR2, 1	time NUM 1	com1 NUM 2	com2 NUM 3	com3 NUM 4	com3slope NUM5	com4 NUM 6
CUST MU	1.000	-0.011	-	-	-1.000	0.117	0.021	-0.067	0.070	-0.041
CUST MA1,1	-	1.000	-	-	0.011	-0.045	-0.072	-0.051	0.048	0.123
	0.011		0.160	0.030						

Correlations of Parameter Estimates

Variable Parameter	CUS T MU	CUST MA1, 1	CUS T AR1, 1	CUS T AR2, 1	time NUM 1	com1 NUM 2	com2 NUM 3	com3 NUM 4	com3slope NUM 5	com4 NUM 6
CUST AR1,1	-0.209	-0.160	1.000	0.051	0.209	-0.137	-0.050	0.108	-0.101	0.088
CUST AR2,1	0.000	-0.030	0.051	1.000	0.000	0.015	-0.009	0.016	-0.011	0.055
time NUM1	1.000	0.011	0.209	0.000	1.000	-0.118	-0.021	0.067	-0.071	0.040
com1 NUM2	0.117	-0.045	0.137	-0.015	-0.118	1.000	0.004	-0.139	0.140	0.000
com2 NUM3	0.021	-0.072	0.050	-0.009	-0.021	0.004	1.000	-0.016	0.012	-0.156
com3 NUM4	0.067	-0.051	0.108	0.016	0.067	-0.139	-0.016	1.000	-1.000	-0.027
com3slope NUM5	0.070	0.048	0.101	0.011	-0.071	0.140	0.012	-1.000	1.000	0.033
com4 NUM6	0.041	0.123	0.088	0.055	0.040	0.000	-0.156	-0.027	0.033	1.000

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations						
6	2.47	3	0.4800	-0.016	-0.011	0.038	0.014	0.131	-0.020	
12	4.32	9	0.8894	0.055	0.005	0.066	-0.015	-0.076	-0.022	
18	7.90	15	0.9277	0.056	-0.086	0.110	-0.027	0.049	0.000	
24	20.48	21	0.4908	-0.209	0.064	-0.008	0.023	-0.085	-0.171	



Model for variable CUST

Estimated Intercept 16308.69
Period(s) of Differencing 12

Autoregressive Factors

Factor 1: $1 - 0.48392 B^{**}(2)$

Factor 2: $1 + 0.46587 B^{**}(12)$

Moving Average Factors

Factor 1: $1 + 0.23689 B^{**}(1)$

Input Number 1

Input Variable time
Period(s) of Differencing 12
Overall Regression Factor -44.2287

Input Number 2

Input Variable com1
Period(s) of Differencing 12
Overall Regression Factor -661.583

Input Number 3

Input Variable com2
Period(s) of Differencing 12
Overall Regression Factor 538.3702

Input Number 4

Input Variable com3
Period(s) of Differencing 12
Overall Regression Factor 12977.76

Input Number 5

Input Variable com3slope

Input Number 5

Period(s) of Differencing 12
Overall Regression Factor -0.64525

Input Number 6

Input Variable com4
Period(s) of Differencing 12
Overall Regression Factor 97.49969

Outlier Detection Summary

Maximum number searched 3
Number found 3
Significance used 0.05

Outlier Details

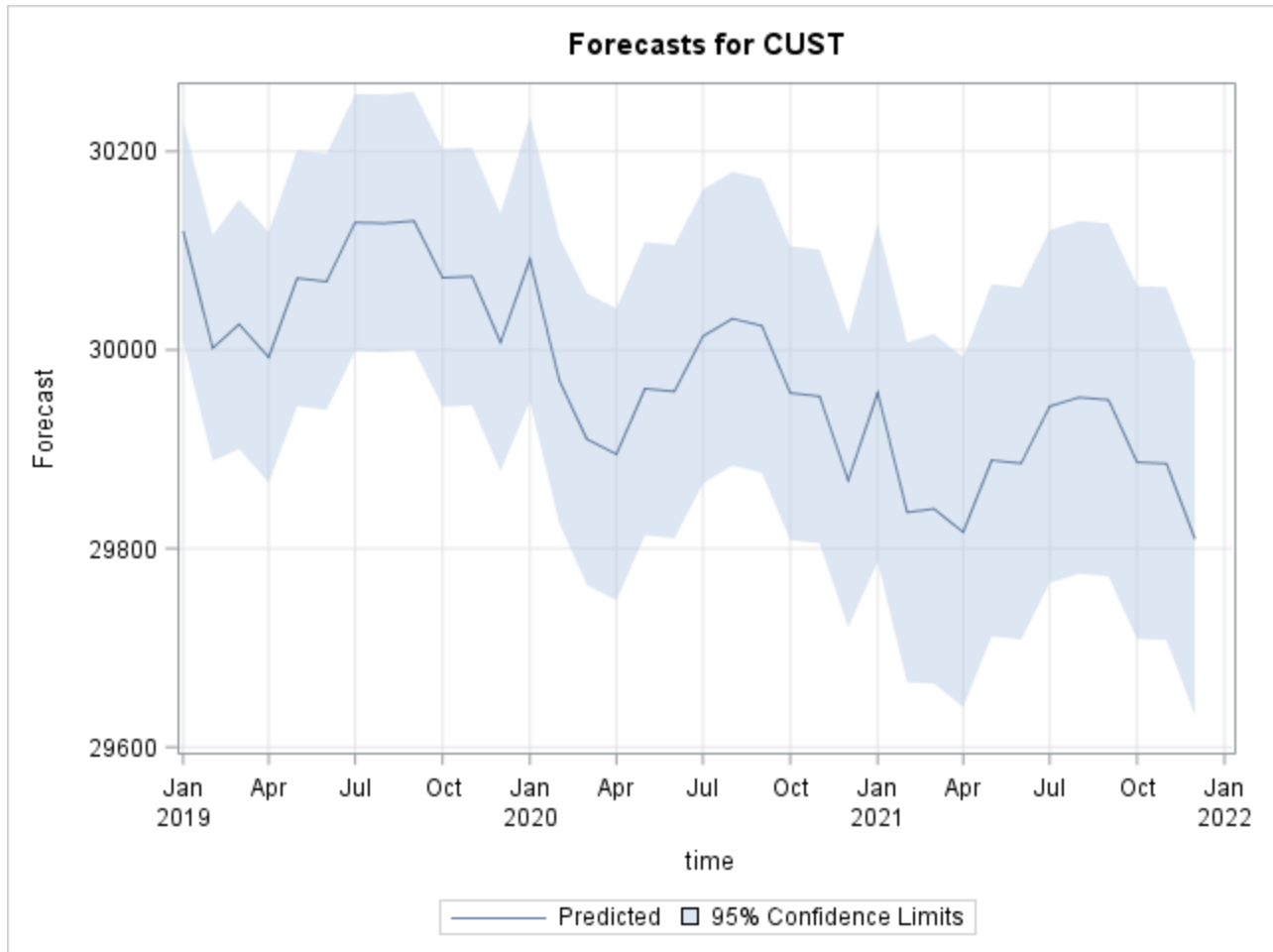
Obs	Time ID	Type	Estimate	Chi-Square	Approx Prob>ChiSq
30	JUN2010	Shift	77.50763	7.20	0.0073
121	JAN2018	Additive	124.99447	6.94	0.0084
17	MAY2009	Additive	-108.37391	6.94	0.0084

Forecasts for variable CUST

Obs	Forecast	Std Error	95% Confidence Limits	
133	30119.8478	56.3962	30009.3132	30230.3824
134	30001.8274	57.9570	29888.2338	30115.4211
135	30025.8803	64.0611	29900.3229	30151.4378
136	29992.5372	64.3865	29866.3421	30118.7324
137	30072.2963	65.7270	29943.4738	30201.1189
138	30068.7665	65.8014	29939.7982	30197.7349
139	30128.3060	66.1110	29998.7307	30257.8812
140	30127.5073	66.1284	29997.8981	30257.1165
141	30129.9452	66.2006	30000.1943	30259.6961
142	30072.7214	66.2047	29942.9625	30202.4802

Forecasts for variable CUST

Obs	Forecast	Std Error	95% Confidence Limits	
143	30074.1068	66.2216	29944.3148	30203.8988
144	30007.5388	66.2226	29877.7450	30137.3326
145	30091.6419	73.0546	29948.4576	30234.8262
146	29969.0988	73.4191	29825.2000	30112.9976
147	29910.0540	74.9212	29763.2111	30056.8970
148	29894.8756	75.0046	29747.8692	30041.8820
149	29960.9973	75.3517	29813.3107	30108.6840
150	29958.1008	75.3711	29810.3761	30105.8255
151	30013.7716	75.4522	29865.8881	30161.6551
152	30031.4756	75.4567	29883.5831	30179.3680
153	30024.4451	75.4757	29876.5155	30172.3746
154	29956.5918	75.4767	29808.6602	30104.5235
155	29953.1647	75.4812	29805.2243	30101.1050
156	29868.6832	75.4814	29720.7424	30016.6241
157	29956.8727	86.7512	29786.8434	30126.9020
158	29836.4323	87.3406	29665.2479	30007.6166
159	29840.0748	89.7582	29664.1520	30015.9976
160	29816.4318	89.8919	29640.2469	29992.6167
161	29888.9098	90.4479	29711.6352	30066.1843
162	29885.7172	90.4790	29708.3816	30063.0527
163	29943.1917	90.6086	29765.6020	30120.7813
164	29952.2753	90.6159	29774.6714	30129.8792
165	29949.6566	90.6462	29771.9932	30127.3199
166	29886.7550	90.6479	29709.0883	30064.4217
167	29885.5702	90.6550	29707.8896	30063.2508
168	29809.4341	90.6554	29631.7527	29987.1154



Kentucky Power Company
 Industrial Customers

The ARIMA Procedure

Maximum Likelihood Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr > |t|	Lag	Variable	Shift
MU	-0.37206	0.37436	-0.99	0.3203	0	CUST	0
AR1,1	-0.42242	0.08081	-5.23	<.0001	1	CUST	0
AR2,1	0.20600	0.08761	2.35	0.0187	3	CUST	0
NUM1	49.39209	4.21623	11.71	<.0001	0	ind1	0

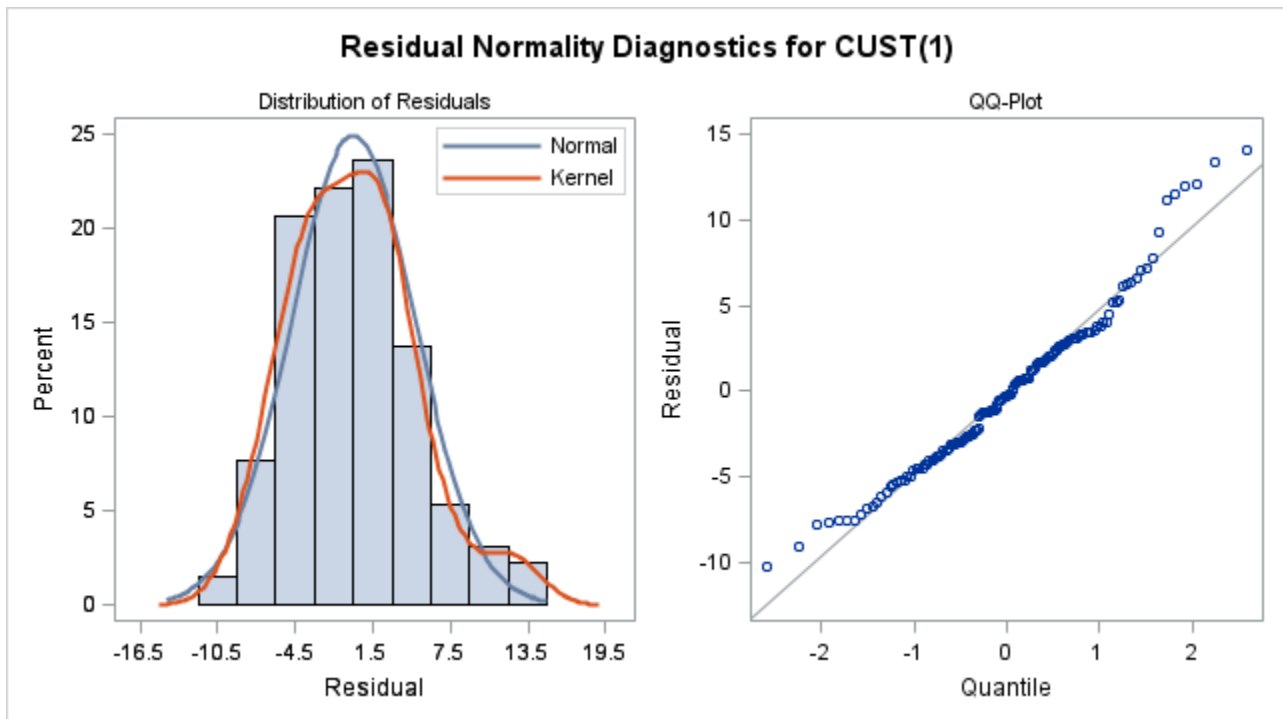
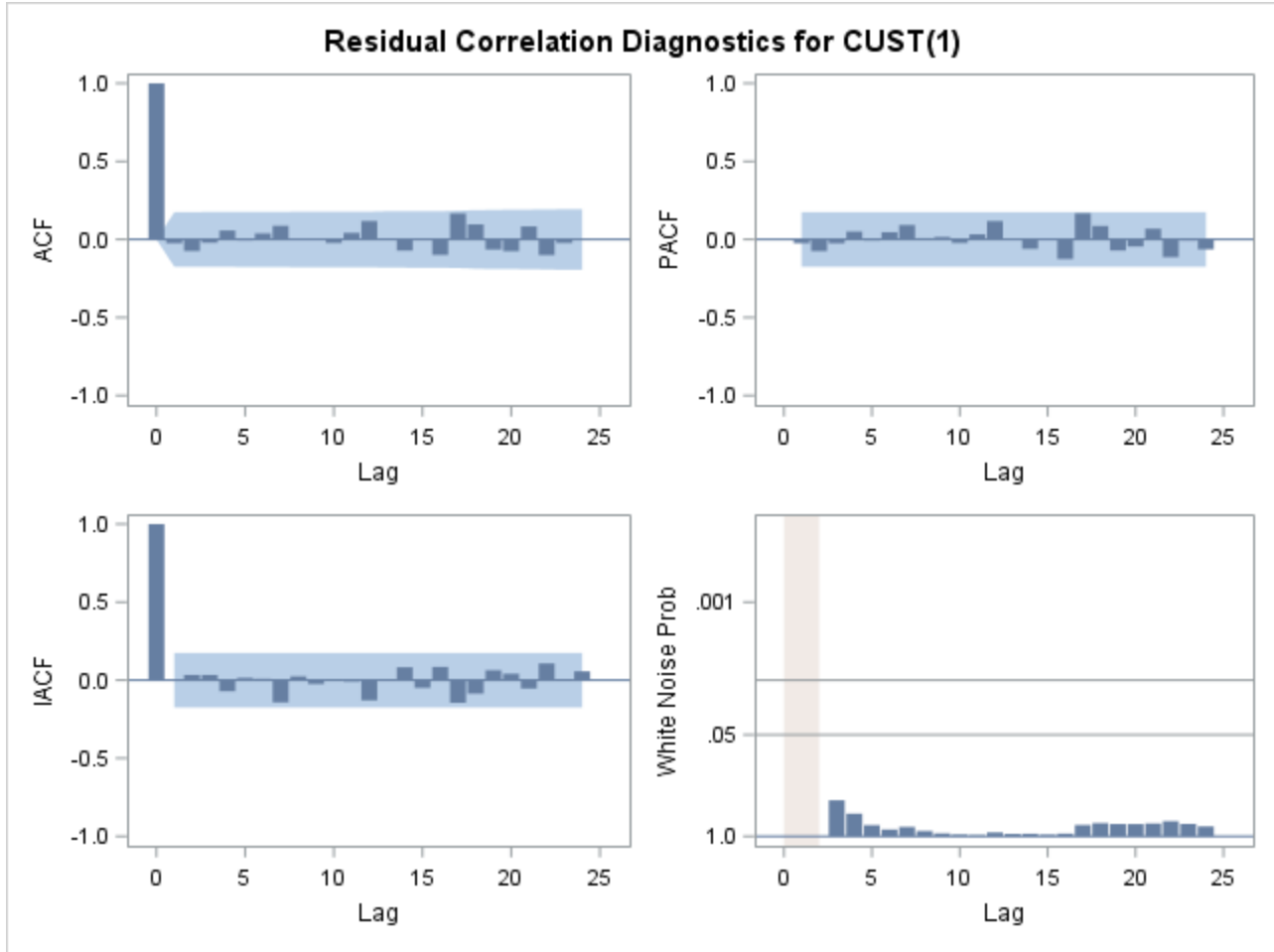
Constant Estimate	-0.42021
Variance Estimate	23.61744
Std Error Estimate	4.859778
AIC	790.2155
SBC	801.7163
Number of Residuals	131

Correlations of Parameter Estimates

Variable Parameter	CUST MU	CUST AR1,1	CUST AR2,1	ind1 NUM1
CUST MU	1.000	0.000	0.017	-0.033
CUST AR1,1	0.000	1.000	-0.093	-0.019
CUST AR2,1	0.017	-0.093	1.000	-0.066
ind1 NUM1	-0.033	-0.019	-0.066	1.000

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	1.55	4	0.8179	-0.025	-0.074	-0.021	0.057	-0.006	0.039
12	5.00	10	0.8911	0.088	0.000	-0.000	-0.023	0.042	0.118
18	12.96	16	0.6754	-0.003	-0.071	0.007	-0.099	0.167	0.097
24	17.29	22	0.7470	-0.064	-0.075	0.084	-0.100	-0.022	-0.001



Model for variable CUST

Estimated Intercept -0.37206
Period(s) of Differencing 1

Autoregressive Factors

Factor 1: $1 + 0.42242 B^{**}(1)$
Factor 2: $1 - 0.206 B^{**}(3)$

Input Number 1

Input Variable ind1
Period(s) of Differencing 1
Overall Regression Factor 49.39209

Outlier Detection Summary

Maximum number searched 3
Number found 3
Significance used 0.05

Outlier Details

Obs	Time ID	Type	Estimate	Chi-Square	Approx Prob>ChiSq
56	AUG2012	Shift	14.60905	12.24	0.0005
9	SEP2008	Shift	13.66373	10.81	0.0010
30	JUN2010	Additive	11.71865	10.36	0.0013

Forecasts for variable CUST

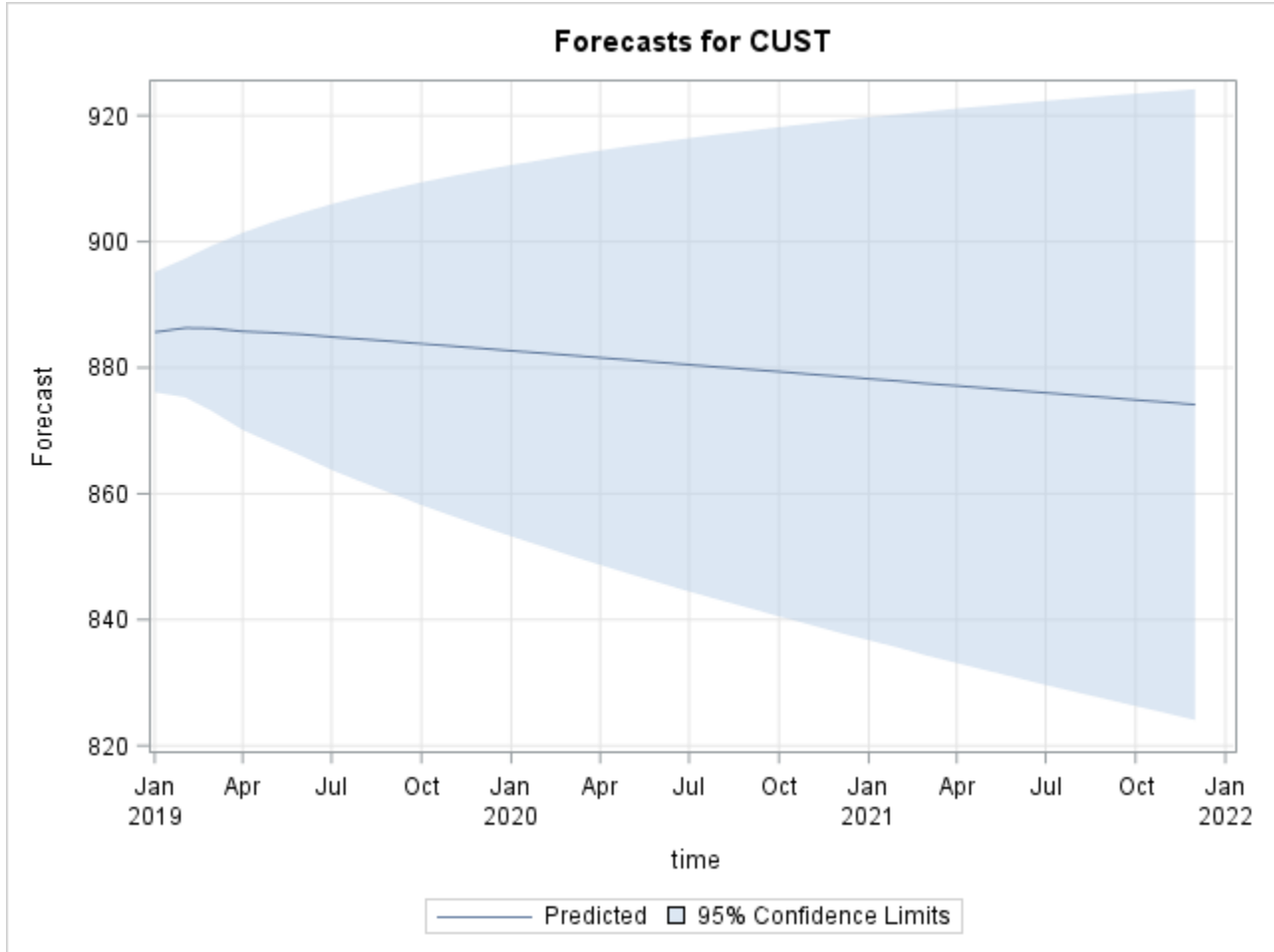
Obs	Forecast	Std Error	95% Confidence Limits	
133	885.6333	4.8598	876.1083	895.1582
134	886.2957	5.6121	875.2960	897.2953
135	886.2283	6.7078	873.0812	899.3755
136	885.7632	7.9726	870.1372	901.3891
137	885.5570	8.9381	868.0387	903.0753
138	885.2676	9.8562	865.9498	904.5855

Forecasts for variable CUST

Obs	Forecast	Std Error	95% Confidence Limits	
139	884.8680	10.7583	863.7820	905.9539
140	884.5336	11.5657	861.8652	907.2020
141	884.1771	12.3301	860.0106	908.3436
142	883.8000	13.0598	858.2033	909.3967
143	883.4354	13.7468	856.4923	910.3786
144	883.0667	14.4027	854.8380	911.2954
145	882.6935	15.0318	853.2317	912.1553
146	882.3231	15.6349	851.6792	912.9669
147	881.9517	16.2159	850.1691	913.7342
148	881.5794	16.7771	848.6969	914.4619
149	881.2076	17.3200	847.2611	915.1542
150	880.8357	17.8465	845.8573	915.8141
151	880.4636	18.3579	844.4828	916.4444
152	880.0916	18.8554	843.1357	917.0475
153	879.7196	19.3401	841.8136	917.6256
154	879.3475	19.8131	840.5146	918.1804
155	878.9755	20.2749	839.2373	918.7136
156	878.6034	20.7265	837.9802	919.2266
157	878.2313	21.1685	836.7419	919.7208
158	877.8593	21.6014	835.5214	920.1972
159	877.4872	22.0258	834.3175	920.6569
160	877.1152	22.4422	833.1293	921.1010
161	876.7431	22.8509	831.9561	921.5301
162	876.3710	23.2526	830.7969	921.9452
163	875.9990	23.6473	829.6510	922.3469
164	875.6269	24.0357	828.5179	922.7359
165	875.2548	24.4178	827.3969	923.1128
166	874.8828	24.7940	826.2874	923.4782

Forecasts for variable CUST

Obs	Forecast	Std Error	95% Confidence Limits
167	874.5107	25.1646	825.1889 923.8325
168	874.1387	25.5299	824.1010 924.1763



Kentucky Power Company
 Industrial-Small Mining Customers

The ARIMA Procedure

Maximum Likelihood Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr > |t|	Lag
MU	-1.72745	0.35570	-4.86	<.0001	0
MA1,1	0.42410	0.08271	5.13	<.0001	1
AR1,1	0.19021	0.08961	2.12	0.0338	3
AR2,1	-0.22554	0.08823	-2.56	0.0106	15
AR3,1	0.18539	0.09071	2.04	0.0410	16

Constant Estimate	-1.39655
Variance Estimate	33.4447
Std Error Estimate	5.783139
AIC	838.0819
SBC	852.4579
Number of Residuals	131

Correlations of Parameter Estimates

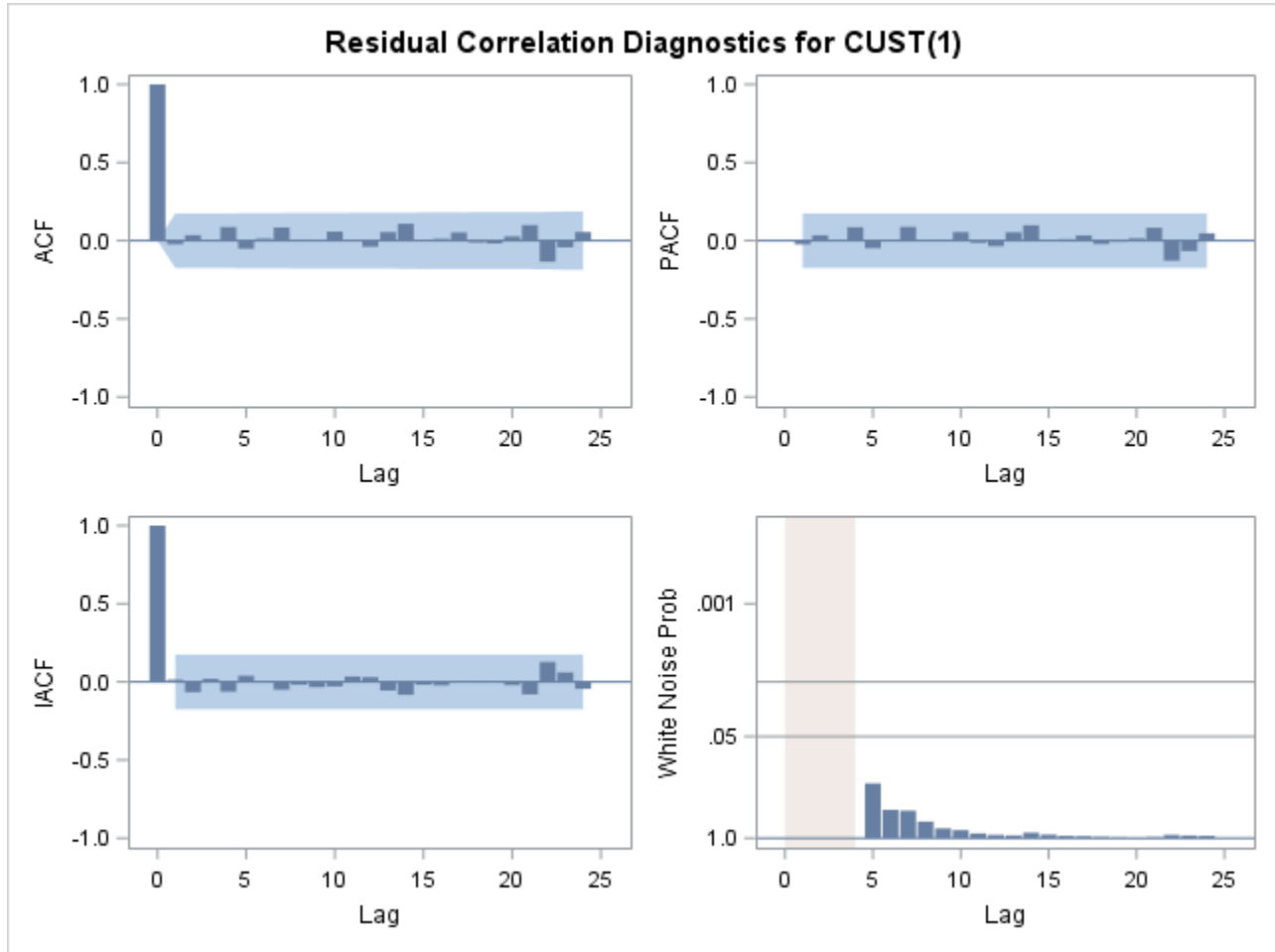
Parameter	MU	MA1,1	AR1,1	AR2,1	AR3,1
MU	1.000	0.001	0.015	0.028	0.025
MA1,1	0.001	1.000	0.191	0.158	0.035
AR1,1	0.015	0.191	1.000	0.056	-0.058
AR2,1	0.028	0.158	0.056	1.000	0.046
AR3,1	0.025	0.035	-0.058	0.046	1.000

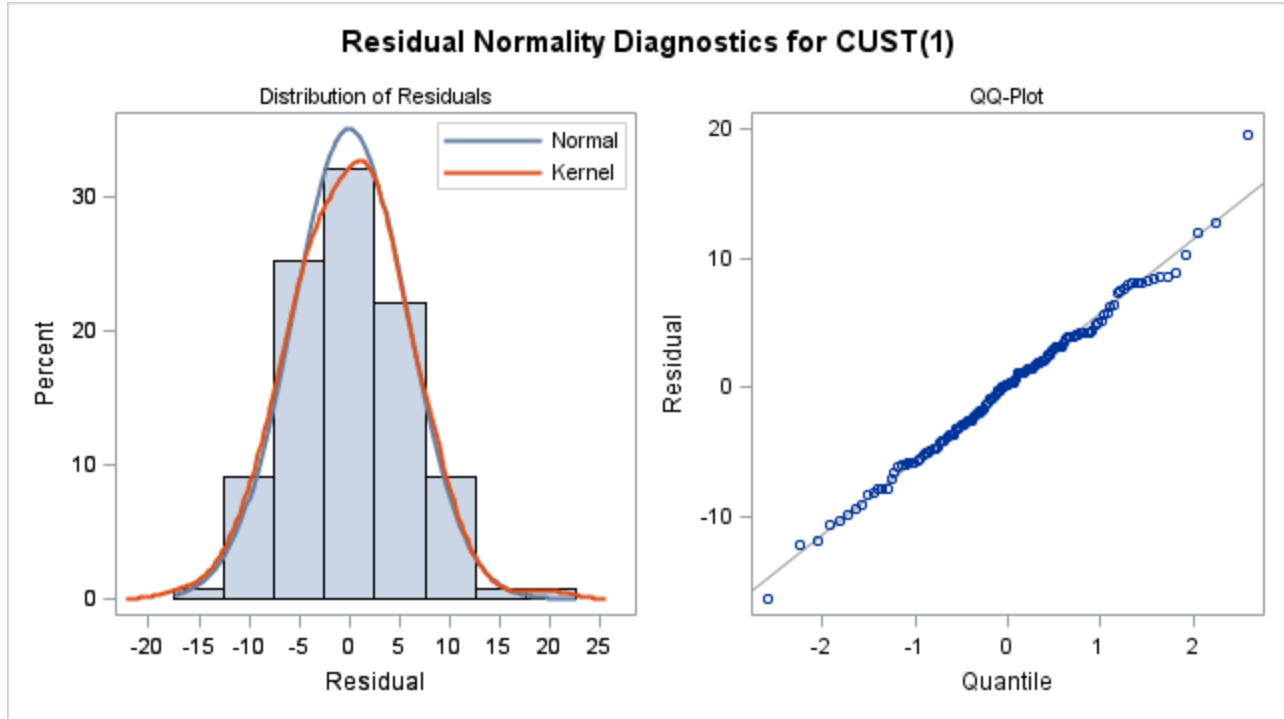
Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	1.67	2	0.4335	-0.024	0.035	0.002	0.087	-0.052	0.013
12	3.38	8	0.9086	0.084	0.002	0.001	0.058	-0.002	-0.039
18	6.03	14	0.9658	0.055	0.108	-0.005	0.012	0.052	-0.012

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
24	11.45	20	0.9336	-0.018	0.027	0.099	-0.135	-0.043	0.055





Model for variable CUST

Estimated Mean -1.72745

Period(s) of Differencing 1

Autoregressive Factors

Factor 1: 1 - 0.19021 B**(3)

Factor 2: 1 + 0.22554 B**(15)

Factor 3: 1 - 0.18539 B**(16)

Moving Average Factors

Factor 1: 1 - 0.4241 B**(1)

Outlier Detection Summary

Maximum number searched 3

Number found 3

Significance used 0.05

Outlier Details

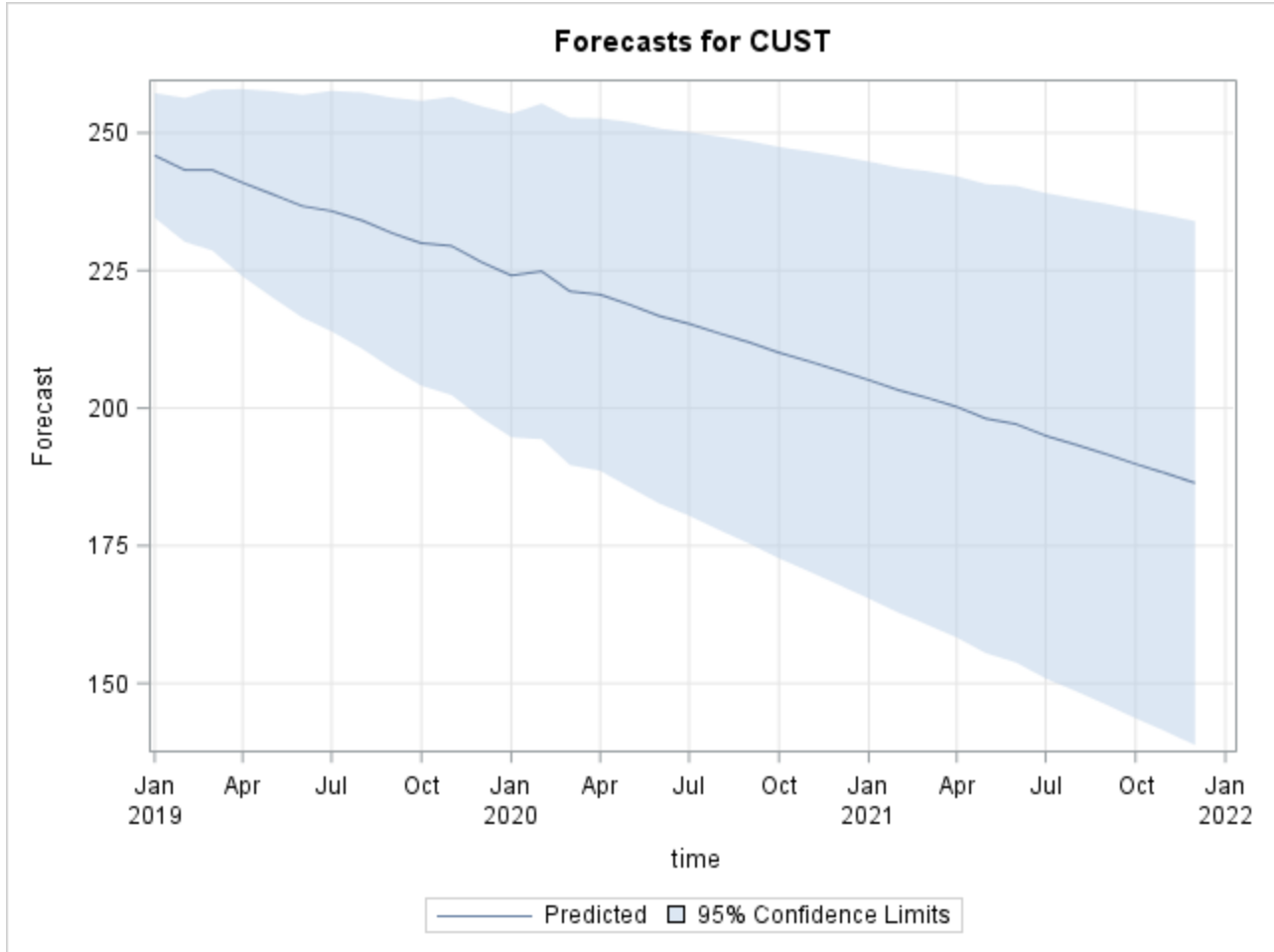
Obs	Time ID	Type	Estimate	Chi-Square	Approx Prob>ChiSq
21	SEP2009	Additive	18.13590	16.08	<.0001
36	DEC2010	Additive	-12.71313	9.24	0.0024
77	MAY2014	Additive	10.35324	6.13	0.0133

Forecasts for variable CUST

Obs	Forecast	Std Error	95% Confidence Limits	
133	245.9172	5.7831	234.5824	257.2519
134	243.2526	6.6736	230.1726	256.3326
135	243.2569	7.4585	228.6386	257.8753
136	240.9430	8.6752	223.9400	257.9459
137	238.8912	9.5379	220.1973	257.5851
138	236.7039	10.3288	216.4598	256.9480
139	235.8045	11.1400	213.9705	257.6386
140	234.1048	11.8652	210.8494	257.3602
141	231.7915	12.5485	207.1968	256.3861
142	229.9589	13.2089	204.0699	255.8479
143	229.4597	13.8328	202.3479	256.5715
144	226.5607	14.4297	198.2790	254.8424
145	224.1045	15.0050	194.6953	253.5138
146	224.8681	15.5582	194.3747	255.3615
147	221.2130	16.0923	189.6726	252.7533
148	220.6240	16.3356	188.6068	252.6412
149	218.8088	16.9266	185.6333	251.9842
150	216.7147	17.3879	182.6350	250.7944
151	215.3038	17.7837	180.4484	250.1593
152	213.5712	18.2369	177.8276	249.3148
153	211.9177	18.6605	175.3439	248.4916
154	210.0741	19.0650	172.7074	247.4408

Forecasts for variable CUST

Obs	Forecast	Std Error	95% Confidence Limits	
155	208.4825	19.4730	170.3162	246.6489
156	206.8392	19.8693	167.8960	245.7823
157	205.0990	20.2562	165.3977	244.8004
158	203.2309	20.6379	162.7814	243.6804
159	201.9004	21.0121	160.7174	243.0833
160	200.2341	21.3794	158.3312	242.1371
161	198.0911	21.7410	155.4796	240.7026
162	197.0815	22.0965	153.7733	240.3898
163	194.9794	22.4999	150.8805	239.0783
164	193.3425	22.8312	148.5943	238.0908
165	191.6423	23.2100	146.1515	237.1332
166	189.8479	23.5778	143.6362	236.0596
167	188.1558	23.9280	141.2578	235.0538
168	186.3971	24.2828	138.8038	233.9905



Kentucky Power Company
 Other Retail Customers

The ARIMA Procedure

Maximum Likelihood Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr > |t|	Lag	Variable	Shift
MU	-0.53691	0.16657	-3.22	0.0013	0	CUST	0
MA1,1	0.50891	0.09639	5.28	<.0001	1	CUST	0
NUM1	32.25351	4.03468	7.99	<.0001	0	or1	0
NUM2	23.84219	3.25657	7.32	<.0001	0	or2	0
NUM3	-10.69403	3.26090	-3.28	0.0010	0	or3	0
NUM4	52.50867	2.06042	25.48	<.0001	0	or4	0
NUM5	24.34573	3.25339	7.48	<.0001	0	or5	0
NUM6	41.90890	2.06077	20.34	<.0001	0	or6	0

Constant Estimate	-0.53691
Variance Estimate	14.0364
Std Error Estimate	3.746519
AIC	725.8636
SBC	748.8652
Number of Residuals	131

Correlations of Parameter Estimates

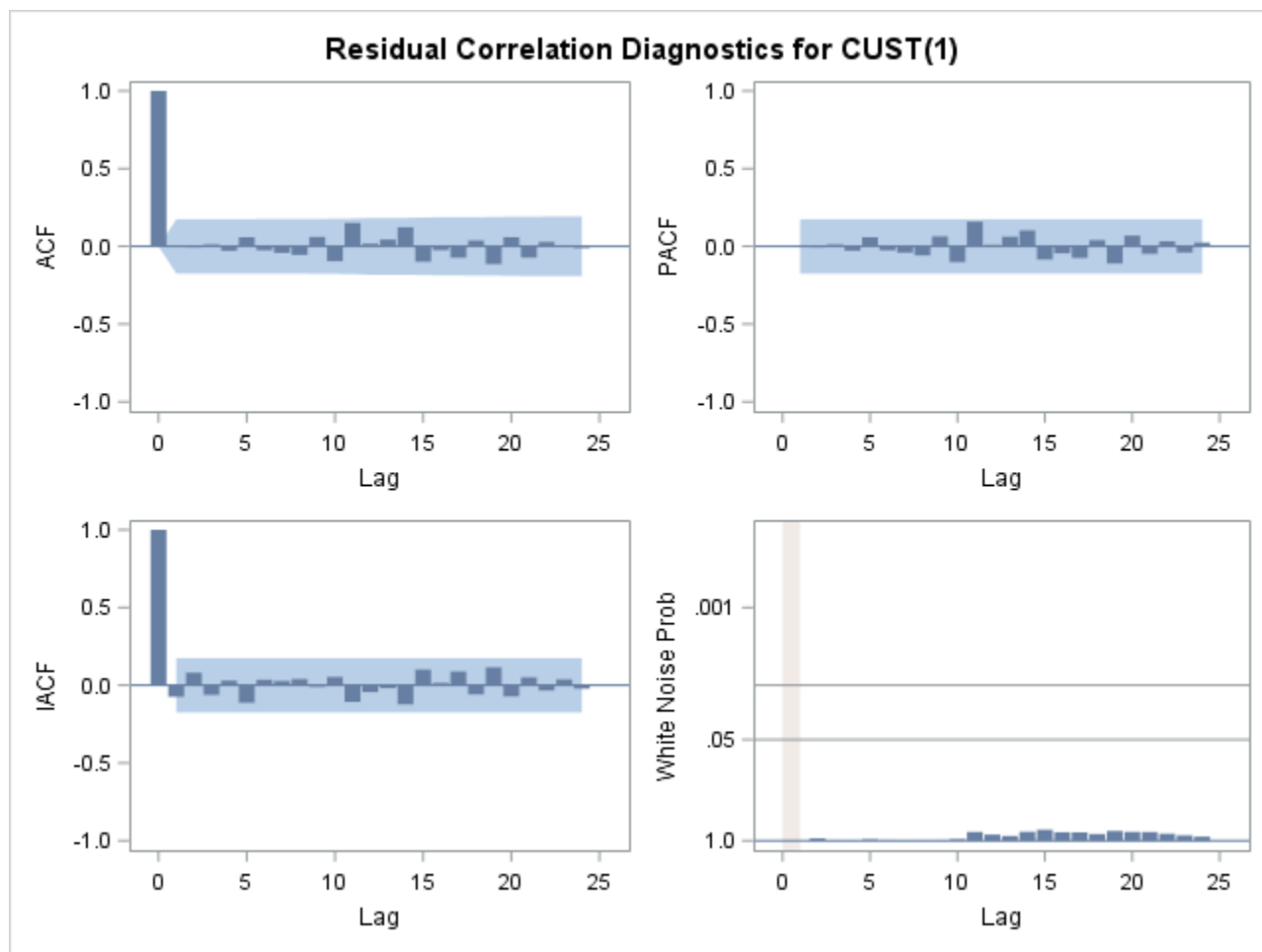
Variable Parameter	CUST MU	CUST MA1,1	or1 NUM1	or2 NUM2	or3 NUM3	or4 NUM4	or5 NUM5	or6 NUM6
CUST MU	1.000	-0.102	-0.186	0.006	-0.154	-0.002	0.004	0.002
CUST MA1,1	-0.102	1.000	0.589	-0.059	-0.017	0.021	-0.038	-0.027
or1 NUM1	-0.186	0.589	1.000	-0.035	0.010	0.012	-0.023	-0.016
or2 NUM2	0.006	-0.059	-0.035	1.000	0.001	-0.001	0.002	0.002
or3 NUM3	-0.154	-0.017	0.010	0.001	1.000	-0.000	0.001	0.001
or4 NUM4	-0.002	0.021	0.012	-0.001	-0.000	1.000	-0.001	-0.001
or5 NUM5	0.004	-0.038	-0.023	0.002	0.001	-0.001	1.000	0.001

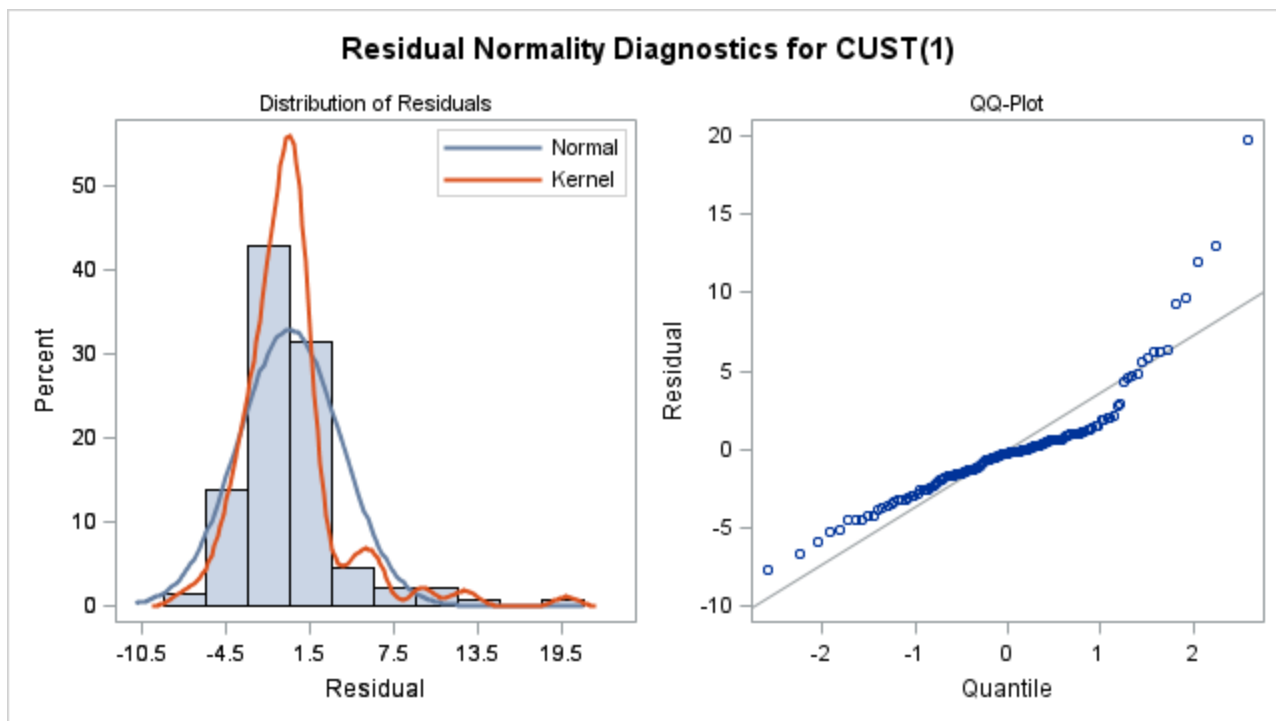
Correlations of Parameter Estimates

Variable Parameter	CUST MU	CUST MA1,1	or1 NUM1	or2 NUM2	or3 NUM3	or4 NUM4	or5 NUM5	or6 NUM6
or6 NUM6	0.002	-0.027	-0.016	0.002	0.001	-0.001	0.001	1.000

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	0.70	5	0.9829	-0.003	-0.006	0.012	-0.028	0.058	-0.025
12	6.55	11	0.8343	-0.042	-0.055	0.060	-0.096	0.151	0.017
18	11.67	17	0.8198	0.043	0.123	-0.099	-0.025	-0.073	0.038
24	15.22	23	0.8867	-0.114	0.059	-0.073	0.028	0.005	-0.011





Model for variable CUST

Estimated Intercept -0.53691

Period(s) of Differencing 1

Moving Average Factors

Factor 1: 1 - 0.50891 B**(1)

Input Number 1

Input Variable or1

Period(s) of Differencing 1

Overall Regression Factor 32.25351

Input Number 2

Input Variable or2

Period(s) of Differencing 1

Overall Regression Factor 23.84219

Input Number 3

Input Variable or3

Input Number 3

Period(s) of Differencing 1
Overall Regression Factor -10.694

Input Number 4

Input Variable or4
Period(s) of Differencing 1
Overall Regression Factor 52.50867

Input Number 5

Input Variable or5
Period(s) of Differencing 1
Overall Regression Factor 24.34573

Input Number 6

Input Variable or6
Period(s) of Differencing 1
Overall Regression Factor 41.9089

Outlier Detection Summary

Maximum number searched 3
Number found 3
Significance used 0.05

Outlier Details

Obs	Time ID	Type	Estimate	Chi-Square	Approx Prob>ChiSq
30	JUN2010	Additive	14.91574	63.61	<.0001
46	OCT2011	Additive	13.06919	48.84	<.0001
7	JUL2008	Additive	9.21739	32.37	<.0001

Forecasts for variable CUST

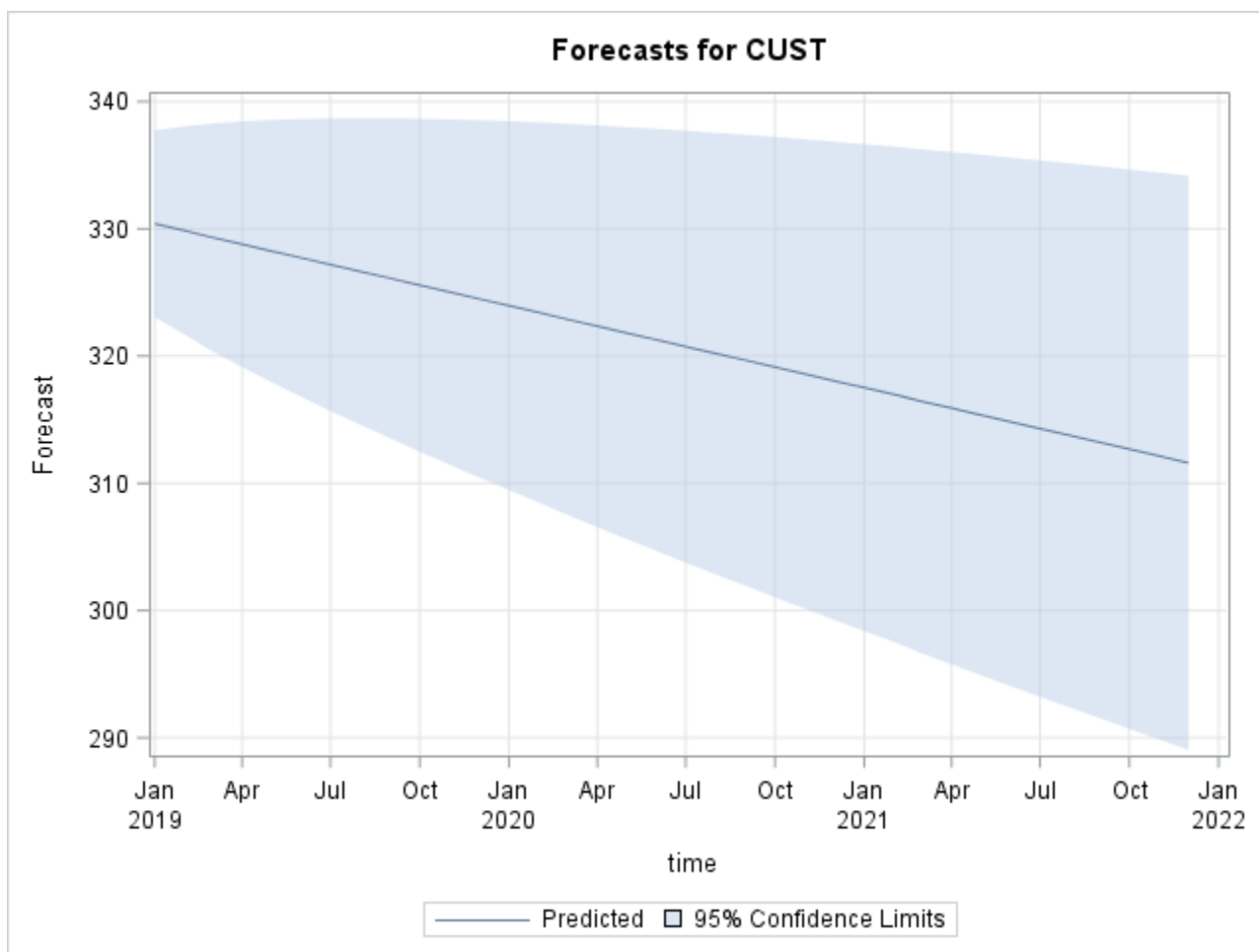
Obs	Forecast	Std Error	95% Confidence Limits	
133	330.4020	3.7465	323.0590	337.7450

Forecasts for variable CUST

Obs	Forecast	Std Error	95% Confidence Limits	
134	329.8651	4.1739	321.6844	338.0458
135	329.3282	4.5614	320.3879	338.2684
136	328.7913	4.9185	319.1511	338.4314
137	328.2544	5.2514	317.9618	338.5469
138	327.7175	5.5644	316.8115	338.6234
139	327.1806	5.8607	315.6938	338.6673
140	326.6436	6.1427	314.6042	338.6831
141	326.1067	6.4123	313.5388	338.6747
142	325.5698	6.6711	312.4948	338.6449
143	325.0329	6.9201	311.4697	338.5961
144	324.4960	7.1605	310.4616	338.5304
145	323.9591	7.3931	309.4688	338.4494
146	323.4222	7.6186	308.4899	338.3545
147	322.8853	7.8377	307.5238	338.2468
148	322.3484	8.0507	306.5693	338.1275
149	321.8115	8.2583	305.6255	337.9974
150	321.2746	8.4608	304.6918	337.8574
151	320.7377	8.6585	303.7673	337.7080
152	320.2008	8.8518	302.8515	337.5500
153	319.6639	9.0410	301.9438	337.3839
154	319.1270	9.2263	301.0437	337.2102
155	318.5901	9.4080	300.1507	337.0294
156	318.0531	9.5862	299.2645	336.8418
157	317.5162	9.7612	298.3847	336.6478
158	316.9793	9.9331	297.5109	336.4478
159	316.4424	10.1020	296.6428	336.2420
160	315.9055	10.2682	295.7802	336.0309
161	315.3686	10.4318	294.9228	335.8145

Forecasts for variable CUST

Obs	Forecast	Std Error	95% Confidence Limits	
162	314.8317	10.5928	294.0703	335.5931
163	314.2948	10.7514	293.2225	335.3671
164	313.7579	10.9077	292.3793	335.1365
165	313.2210	11.0617	291.5404	334.9016
166	312.6841	11.2137	290.7056	334.6625
167	312.1472	11.3636	289.8748	334.4195
168	311.6103	11.5116	289.0479	334.1727



Kentucky Power Company
 Customer Models Output Data

JURIS	revcls	YEAR	MONTH	CUST	L95	U95
KPC	1	2008	1	144,825		
KPC	1	2008	2	144,690		
KPC	1	2008	3	144,365		
KPC	1	2008	4	143,988		
KPC	1	2008	5	143,799		
KPC	1	2008	6	143,710		
KPC	1	2008	7	143,789		
KPC	1	2008	8	143,832		
KPC	1	2008	9	143,855		
KPC	1	2008	10	143,884		
KPC	1	2008	11	144,121		
KPC	1	2008	12	144,407		
KPC	1	2009	1	144,472	143319.775	144521.4129
KPC	1	2009	2	144,302	143902.3317	144579.7328
KPC	1	2009	3	144,126	143594.9175	144246.9885
KPC	1	2009	4	143,754	143295.7882	143947.1993
KPC	1	2009	5	143,405	143153.0618	143803.7342
KPC	1	2009	6	143,404	142964.2569	143614.1029
KPC	1	2009	7	143,215	143043.1809	143692.085
KPC	1	2009	8	143,272	142947.2066	143595.0715
KPC	1	2009	9	143,258	142891.7019	143538.283
KPC	1	2009	10	143,276	142899.0948	143544.5032
KPC	1	2009	11	143,420	143111.8523	143754.8044
KPC	1	2009	12	143,633	143339.7362	143982.4562
KPC	1	2010	1	143,805	143318.0223	143942.9011
KPC	1	2010	2	143,788	143276.7541	143853.3408
KPC	1	2010	3	143,618	143150.4125	143722.2057
KPC	1	2010	4	143,153	142867.0573	143438.6259
KPC	1	2010	5	142,803	142563.0725	143134.3961
KPC	1	2010	6	142,743	142438.7751	143009.8324
KPC	1	2010	7	142,667	142344.273	142915.0363
KPC	1	2010	8	142,742	142375.9896	142946.44
KPC	1	2010	9	142,470	142387.7086	142957.787
KPC	1	2010	10	142,457	142245.2109	142814.9668
KPC	1	2010	11	142,699	142323.361	142892.4548
KPC	1	2010	12	142,708	142591.0023	143160.0565

Kentucky Power Company
 Customer Models Output Data

JURIS	revcls	YEAR	MONTH	CUST	L95	U95
KPC	1	2011	1	143,185	142578.0745	143142.2898
KPC	1	2011	2	142,735	142648.1287	143198.2068
KPC	1	2011	3	142,867	142321.849	142870.4936
KPC	1	2011	4	142,173	142023.1677	142571.6959
KPC	1	2011	5	141,679	141649.2911	142197.6935
KPC	1	2011	6	141,463	141388.6798	141936.9472
KPC	1	2011	7	141,398	141151.2042	141699.3229
KPC	1	2011	8	141,531	141159.7775	141707.7439
KPC	1	2011	9	141,286	141108.1467	141655.9201
KPC	1	2011	10	141,180	141048.5958	141596.2413
KPC	1	2011	11	141,320	141133.9153	141681.1053
KPC	1	2011	12	141,500	141217.9204	141765.0663
KPC	1	2012	1	141,565	141451.7136	141992.3521
KPC	1	2012	2	141,707	141169.1558	141674.9822
KPC	1	2012	3	141,335	141181.0434	141682.4395
KPC	1	2012	4	140,895	140680.2068	141181.6029
KPC	1	2012	5	140,790	140313.708	140815.1042
KPC	1	2012	6	140,611	140358.2952	140859.6913
KPC	1	2012	7	140,697	140353.5708	140854.9669
KPC	1	2012	8	140,645	140473.6522	140975.0483
KPC	1	2012	9	140,641	140320.5452	140821.9413
KPC	1	2012	10	140,571	140332.1438	140833.5399
KPC	1	2012	11	140,781	140531.4112	141032.8073
KPC	1	2012	12	140,909	140713.0378	141214.4339
KPC	1	2013	1	141,093	140836.7783	141338.1745
KPC	1	2013	2	140,913	140701.5343	141202.9304
KPC	1	2013	3	140,755	140513.0829	141014.479
KPC	1	2013	4	140,501	140032.1764	140533.5725
KPC	1	2013	5	140,166	139851.4979	140352.894
KPC	1	2013	6	139,896	139811.6837	140313.0799
KPC	1	2013	7	139,651	139615.7505	140117.1466
KPC	1	2013	8	139,694	139502.5948	140003.9909
KPC	1	2013	9	139,623	139353.3098	139854.7059
KPC	1	2013	10	139,665	139332.9231	139834.3192
KPC	1	2013	11	139,889	139561.1377	140062.5339
KPC	1	2013	12	140,119	139774.9394	140276.3355

Kentucky Power Company
 Customer Models Output Data

JURIS	revcls	YEAR	MONTH	CUST	L95	U95
KPC	1	2014	1	140,271	140032.8334	140534.2295
KPC	1	2014	2	140,091	139943.7965	140445.1927
KPC	1	2014	3	139,931	139702.872	140204.2681
KPC	1	2014	4	139,255	139237.7849	139739.181
KPC	1	2014	5	138,875	138771.9739	139273.3701
KPC	1	2014	6	138,595	138497.6916	138999.0878
KPC	1	2014	7	138,447	138315.4286	138816.8247
KPC	1	2014	8	138,262	138284.7393	138786.1354
KPC	1	2014	9	138,304	137950.6856	138452.0817
KPC	1	2014	10	138,245	137983.4692	138484.8653
KPC	1	2014	11	138,492	138244.0051	138745.4012
KPC	1	2014	12	138,726	138363.2357	138864.6318
KPC	1	2015	1	138,726	138731.3402	139232.7364
KPC	1	2015	2	138,781	138344.6395	138846.0357
KPC	1	2015	3	138,747	138379.072	138880.4681
KPC	1	2015	4	138,064	137931.8495	138433.2456
KPC	1	2015	5	137,608	137487.9947	137989.3908
KPC	1	2015	6	137,535	137164.3787	137665.7748
KPC	1	2015	7	137,529	137143.8233	137645.2194
KPC	1	2015	8	137,572	137267.6512	137769.0473
KPC	1	2015	9	137,565	137213.8052	137715.2013
KPC	1	2015	10	137,600	137227.5221	137728.9182
KPC	1	2015	11	137,679	137512.5096	138013.9057
KPC	1	2015	12	137,921	137666.4105	138167.8066
KPC	1	2016	1	138,019	137741.4771	138242.8732
KPC	1	2016	2	137,998	137777.1447	138278.5408
KPC	1	2016	3	137,583	137545.8688	138047.2649
KPC	1	2016	4	137,293	136885.6449	137387.041
KPC	1	2016	5	136,978	136690.6376	137192.0337
KPC	1	2016	6	136,721	136557.2298	137058.626
KPC	1	2016	7	136,599	136470.7296	136972.1257
KPC	1	2016	8	136,648	136346.6382	136848.0343
KPC	1	2016	9	136,648	136370.4435	136871.8396
KPC	1	2016	10	136,374	136376.3566	136877.7527
KPC	1	2016	11	136,515	136406.584	136907.9801
KPC	1	2016	12	136,781	136489.8009	136991.197

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 Customer Models Output Data

JURIS	revcls	YEAR	MONTH	CUST	L95	U95
KPC	1	2017	1	136,765	136643.5213	137144.9174
KPC	1	2017	2	136,518	136486.9944	136988.3905
KPC	1	2017	3	136,448	136147.4635	136648.8597
KPC	1	2017	4	135,938	135771.9859	136273.382
KPC	1	2017	5	135,791	135386.7427	135888.1388
KPC	1	2017	6	135,598	135261.6226	135763.0187
KPC	1	2017	7	135,504	135199.8272	135701.2233
KPC	1	2017	8	135,490	135261.9656	135763.3618
KPC	1	2017	9	135,656	135238.5146	135739.9107
KPC	1	2017	10	135,477	135299.4452	135800.8414
KPC	1	2017	11	135,707	135456.8957	135958.2918
KPC	1	2017	12	135,787	135691.8181	136193.2142
KPC	1	2018	1	135,937	135683.8797	136185.2759
KPC	1	2018	2	135,751	135545.1554	136046.5515
KPC	1	2018	3	135,425	135362.2245	135863.6206
KPC	1	2018	4	135,126	134689.0249	135190.421
KPC	1	2018	5	134,809	134485.3439	134986.74
KPC	1	2018	6	134,573	134344.3345	134845.7306
KPC	1	2018	7	134,735	134228.3772	134729.7733
KPC	1	2018	8	134,612	134334.3637	134835.7598
KPC	1	2018	9	134,697	134441.5942	134942.9903
KPC	1	2018	10	134,451	134320.598	134821.9941
KPC	1	2018	11	134,642	134447.0116	134948.4078
KPC	1	2018	12	134,748	134604.8751	135106.2712
KPC	1	2019	1	134,839	134588.1695	135089.5656
KPC	1	2019	2	134,759	134461.5497	135056.2016
KPC	1	2019	3	134,604	134255.4723	134952.9956
KPC	1	2019	4	134,112	133725.0787	134498.8631
KPC	1	2019	5	133,780	133359.2943	134200.6925
KPC	1	2019	6	133,624	133174.1061	134073.6276
KPC	1	2019	7	133,633	133157.5042	134108.5453
KPC	1	2019	8	133,631	133132.1093	134129.0026
KPC	1	2019	9	133,689	133169.7411	134207.8329
KPC	1	2019	10	133,574	133036.7933	134112.0969
KPC	1	2019	11	133,726	133171.8124	134280.8951
KPC	1	2019	12	133,911	133340.9375	134480.8012

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 Customer Models Output Data

JURIS	revcls	YEAR	MONTH	CUST	L95	U95
KPC	1	2020	1	134,008	133406.8737	134608.3791
KPC	1	2020	2	133,913	133290.6113	134535.7109
KPC	1	2020	3	133,634	132989.534	134277.6306
KPC	1	2020	4	133,266	132603.2954	133929.3807
KPC	1	2020	5	132,975	132294.1214	133655.221
KPC	1	2020	6	132,761	132064.1238	133457.1679
KPC	1	2020	7	132,737	132025.9559	133448.351
KPC	1	2020	8	132,735	132009.8213	133459.2026
KPC	1	2020	9	132,793	132056.1586	133530.4124
KPC	1	2020	10	132,582	131833.3946	133330.6068
KPC	1	2020	11	132,752	131992.8809	133511.3174
KPC	1	2020	12	132,944	132174.9721	133713.0546
KPC	1	2021	1	133,004	132213.3289	133795.2188
KPC	1	2021	2	132,841	132034.6895	133647.4988
KPC	1	2021	3	132,670	131848.2979	133492.3366
KPC	1	2021	4	132,232	131395.9224	133067.851
KPC	1	2021	5	131,992	131142.6295	132840.5839
KPC	1	2021	6	131,798	130937.2374	132659.164
KPC	1	2021	7	131,781	130908.7513	132652.8965
KPC	1	2021	8	131,760	130877.7808	132642.5082
KPC	1	2021	9	131,870	130977.6439	132761.4682
KPC	1	2021	10	131,689	130788.4902	132590.0463
KPC	1	2021	11	131,886	130977.0182	132795.053
KPC	1	2021	12	132,021	131104.6263	132937.9866
KPC	2	2008	1	29,969		
KPC	2	2008	2	29,955		
KPC	2	2008	3	29,975		
KPC	2	2008	4	30,023		
KPC	2	2008	5	30,069		
KPC	2	2008	6	30,080		
KPC	2	2008	7	29,341		
KPC	2	2008	8	29,387		
KPC	2	2008	9	29,479		
KPC	2	2008	10	29,482		
KPC	2	2008	11	29,453		
KPC	2	2008	12	29,540		

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JURIS	revcls	YEAR	MONTH	CUST	L95	U95
KPC	2	2009	1	29,552	29282.59467	29574.23728
KPC	2	2009	2	29,486	29317.66981	29592.9026
KPC	2	2009	3	29,604	29417.73932	29668.79364
KPC	2	2009	4	29,479	29449.69387	29699.47132
KPC	2	2009	5	29,457	29483.32834	29733.10348
KPC	2	2009	6	29,567	29398.03112	29647.79223
KPC	2	2009	7	29,524	29331.02187	29580.60306
KPC	2	2009	8	29,559	29431.63711	29681.20359
KPC	2	2009	9	29,581	29518.63104	29767.37283
KPC	2	2009	10	29,614	29503.53997	29752.22078
KPC	2	2009	11	29,595	29441.51574	29686.59199
KPC	2	2009	12	29,635	29557.76513	29802.54973
KPC	2	2010	1	29,670	29538.40829	29766.2131
KPC	2	2010	2	29,652	29490.17374	29715.76721
KPC	2	2010	3	29,669	29616.33054	29837.64587
KPC	2	2010	4	29,699	29558.68817	29779.77113
KPC	2	2010	5	29,710	29552.37854	29773.4477
KPC	2	2010	6	29,863	29656.36568	29877.43484
KPC	2	2010	7	29,814	29609.58128	29830.65045
KPC	2	2010	8	29,867	29692.30854	29913.37771
KPC	2	2010	9	29,864	29744.73325	29965.80241
KPC	2	2010	10	29,878	29756.85829	29977.92746
KPC	2	2010	11	29,971	29705.76464	29926.8338
KPC	2	2010	12	29,828	29799.36355	30020.43271
KPC	2	2011	1	30,017	29824.05444	30045.12361
KPC	2	2011	2	29,782	29723.46234	29944.53151
KPC	2	2011	3	29,964	29835.38459	30056.45376
KPC	2	2011	4	29,852	29715.58587	29936.65503
KPC	2	2011	5	29,900	29770.13624	29991.2054
KPC	2	2011	6	29,936	29867.77942	30088.84859
KPC	2	2011	7	29,908	29832.31681	30053.38597
KPC	2	2011	8	30,057	29831.7745	30052.84367
KPC	2	2011	9	30,031	29884.6557	30105.72486
KPC	2	2011	10	30,047	29939.33549	30160.40466
KPC	2	2011	11	30,046	29954.22877	30175.29793
KPC	2	2011	12	30,032	29889.40288	30110.47204

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JURIS	revcls	YEAR	MONTH	CUST	L95	U95
KPC	2	2012	1	30,029	29998.45997	30219.52914
KPC	2	2012	2	29,991	29859.17852	30080.24768
KPC	2	2012	3	29,891	29885.87927	30106.94843
KPC	2	2012	4	29,979	29856.42986	30077.49903
KPC	2	2012	5	30,000	29837.1512	30058.22037
KPC	2	2012	6	30,057	30001.97047	30223.03963
KPC	2	2012	7	30,096	29933.92171	30154.99087
KPC	2	2012	8	30,111	30047.34181	30268.41097
KPC	2	2012	9	30,146	30045.89925	30266.96842
KPC	2	2012	10	30,087	30026.39783	30247.467
KPC	2	2012	11	30,157	30084.16693	30305.2361
KPC	2	2012	12	30,165	29977.12372	30198.19288
KPC	2	2013	1	30,181	30103.99002	30325.05918
KPC	2	2013	2	30,147	29987.67884	30208.748
KPC	2	2013	3	30,078	30028.08623	30249.1554
KPC	2	2013	4	30,102	30043.34272	30264.41188
KPC	2	2013	5	30,159	30018.98667	30240.05584
KPC	2	2013	6	30,190	30099.59369	30320.66285
KPC	2	2013	7	30,215	30106.96302	30328.03219
KPC	2	2013	8	30,252	30180.71885	30401.78801
KPC	2	2013	9	30,824	30725.29376	30946.36292
KPC	2	2013	10	30,381	30149.7973	30370.86646
KPC	2	2013	11	30,296	30231.1962	30452.26536
KPC	2	2013	12	30,359	30247.32347	30468.39263
KPC	2	2014	1	30,419	30206.57459	30427.64376
KPC	2	2014	2	30,347	30226.15261	30447.22177
KPC	2	2014	3	30,382	30167.19764	30388.2668
KPC	2	2014	4	30,320	30225.78312	30446.85228
KPC	2	2014	5	30,342	30284.79172	30505.86088
KPC	2	2014	6	30,337	30263.09204	30484.1612
KPC	2	2014	7	30,388	30289.74904	30510.8182
KPC	2	2014	8	30,373	30298.98377	30520.05293
KPC	2	2014	9	30,463	30336.93666	30558.00582
KPC	2	2014	10	30,448	30352.51538	30573.58454
KPC	2	2014	11	30,411	30359.45157	30580.52074
KPC	2	2014	12	30,412	30367.81231	30588.88148

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JURIS	revcls	YEAR	MONTH	CUST	L95	U95
KPC	2	2015	1	30,428	30393.85448	30614.92364
KPC	2	2015	2	30,401	30319.57523	30540.6444
KPC	2	2015	3	30,457	30305.95151	30527.02067
KPC	2	2015	4	30,405	30313.71901	30534.78817
KPC	2	2015	5	30,390	30371.47487	30592.54403
KPC	2	2015	6	30,504	30351.46226	30572.53143
KPC	2	2015	7	30,611	30493.79967	30714.86884
KPC	2	2015	8	30,595	30544.12439	30765.19355
KPC	2	2015	9	30,499	30480.43092	30701.50008
KPC	2	2015	10	30,444	30336.24504	30557.31421
KPC	2	2015	11	30,370	30247.88897	30468.95813
KPC	2	2015	12	30,397	30295.36452	30516.43369
KPC	2	2016	1	30,328	30309.60585	30530.67502
KPC	2	2016	2	30,339	30229.89185	30450.96101
KPC	2	2016	3	30,261	30193.28376	30414.35292
KPC	2	2016	4	30,243	30145.03074	30366.0999
KPC	2	2016	5	30,252	30105.42464	30326.49381
KPC	2	2016	6	30,305	30183.88473	30404.9539
KPC	2	2016	7	30,300	30199.97005	30421.03921
KPC	2	2016	8	30,322	30166.42692	30387.49609
KPC	2	2016	9	30,365	30195.30588	30416.37504
KPC	2	2016	10	30,315	30256.62957	30477.69873
KPC	2	2016	11	30,237	30173.98747	30395.05664
KPC	2	2016	12	30,243	30142.17731	30363.24648
KPC	2	2017	1	30,198	30106.64692	30327.71608
KPC	2	2017	2	30,147	30088.44513	30309.5143
KPC	2	2017	3	30,188	30077.61482	30298.68398
KPC	2	2017	4	30,137	30029.80785	30250.87702
KPC	2	2017	5	30,213	30037.70357	30258.77274
KPC	2	2017	6	30,221	30122.14146	30343.21062
KPC	2	2017	7	30,272	30138.96873	30360.03789
KPC	2	2017	8	30,232	30111.02303	30332.09219
KPC	2	2017	9	30,249	30150.70945	30371.77862
KPC	2	2017	10	30,221	30141.94758	30363.01675
KPC	2	2017	11	30,230	30062.5374	30283.60656
KPC	2	2017	12	30,209	30079.16257	30300.23173

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JURIS	revcls	YEAR	MONTH	CUST	L95	U95
KPC	2	2018	1	30,281	30055.26786	30276.33702
KPC	2	2018	2	30,154	30038.06809	30259.13725
KPC	2	2018	3	30,095	30080.55364	30301.6228
KPC	2	2018	4	30,101	29970.13134	30191.2005
KPC	2	2018	5	30,151	30010.81634	30231.8855
KPC	2	2018	6	30,149	30062.13092	30283.20008
KPC	2	2018	7	30,200	30076.93537	30298.00454
KPC	2	2018	8	30,239	30059.40955	30280.47872
KPC	2	2018	9	30,221	30114.5374	30335.60657
KPC	2	2018	10	30,141	30083.21715	30304.28632
KPC	2	2018	11	30,132	30017.3559	30238.42506
KPC	2	2018	12	30,027	30002.20019	30223.26935
KPC	2	2019	1	30,120	30009.31323	30230.38239
KPC	2	2019	2	30,002	29888.23382	30115.42107
KPC	2	2019	3	30,026	29900.3229	30151.43776
KPC	2	2019	4	29,993	29866.34206	30118.73242
KPC	2	2019	5	30,072	29943.47382	30201.11887
KPC	2	2019	6	30,069	29939.79816	30197.73491
KPC	2	2019	7	30,128	29998.73072	30257.88122
KPC	2	2019	8	30,128	29997.89809	30257.11652
KPC	2	2019	9	30,130	30000.19435	30259.69612
KPC	2	2019	10	30,073	29942.96255	30202.48021
KPC	2	2019	11	30,074	29944.31484	30203.89881
KPC	2	2019	12	30,008	29877.74496	30137.33265
KPC	2	2020	1	30,092	29948.45762	30234.8262
KPC	2	2020	2	29,969	29825.20001	30112.99759
KPC	2	2020	3	29,910	29763.21109	30056.89698
KPC	2	2020	4	29,895	29747.86916	30041.88198
KPC	2	2020	5	29,961	29813.31073	30108.68397
KPC	2	2020	6	29,958	29810.37606	30105.82546
KPC	2	2020	7	30,014	29865.88808	30161.65507
KPC	2	2020	8	30,031	29883.58315	30179.36795
KPC	2	2020	9	30,024	29876.51552	30172.37464
KPC	2	2020	10	29,957	29808.66019	30104.52349
KPC	2	2020	11	29,953	29805.22433	30101.10502
KPC	2	2020	12	29,869	29720.74241	30016.62409

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JURIS	revcls	YEAR	MONTH	CUST	L95	U95
KPC	2	2021	1	29,957	29786.84343	30126.90197
KPC	2	2021	2	29,836	29665.24791	30007.6166
KPC	2	2021	3	29,840	29664.15203	30015.99755
KPC	2	2021	4	29,816	29640.24694	29992.61671
KPC	2	2021	5	29,889	29711.63519	30066.18434
KPC	2	2021	6	29,886	29708.38163	30063.05268
KPC	2	2021	7	29,943	29765.60201	30120.78131
KPC	2	2021	8	29,952	29774.67138	30129.87918
KPC	2	2021	9	29,950	29771.9932	30127.31991
KPC	2	2021	10	29,887	29709.08832	30064.4217
KPC	2	2021	11	29,886	29707.88963	30063.25085
KPC	2	2021	12	29,809	29631.75267	29987.11544
KPC	3.1	2008	1	938		
KPC	3.1	2008	2	941	927.05449	948.2013858
KPC	3.1	2008	3	953	929.5785955	949.0353101
KPC	3.1	2008	4	948	937.4894946	956.8962886
KPC	3.1	2008	5	949	940.5279853	959.650504
KPC	3.1	2008	6	957	941.3654571	960.4154373
KPC	3.1	2008	7	957	943.689667	962.7396472
KPC	3.1	2008	8	951	946.8257093	965.8756896
KPC	3.1	2008	9	966	945.3243516	964.3743319
KPC	3.1	2008	10	972	950.4146596	969.4646398
KPC	3.1	2008	11	969	958.2842766	977.3342568
KPC	3.1	2008	12	969	962.8899687	981.939949
KPC	3.1	2009	1	973	961.5960971	980.6460774
KPC	3.1	2009	2	971	961.2692344	980.3192146
KPC	3.1	2009	3	973	961.6385855	980.6885658
KPC	3.1	2009	4	976	963.0339692	982.0839495
KPC	3.1	2009	5	969	964.7236174	983.7735977
KPC	3.1	2009	6	978	962.249706	981.2996862
KPC	3.1	2009	7	967	965.0450678	984.095048
KPC	3.1	2009	8	973	960.5204678	979.570448
KPC	3.1	2009	9	967	961.7651639	980.8151441
KPC	3.1	2009	10	968	958.1064779	977.1564581
KPC	3.1	2009	11	970	957.9111822	976.9611624
KPC	3.1	2009	12	972	958.4960698	977.54605

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JURIS	revcls	YEAR	MONTH	CUST	L95	U95
KPC	3.1	2010	1	971	960.8938508	979.9438311
KPC	3.1	2010	2	969	961.9762447	981.026225
KPC	3.1	2010	3	982	960.4856835	979.5356637
KPC	3.1	2010	4	972	966.5313834	985.5813636
KPC	3.1	2010	5	971	965.7799787	984.829959
KPC	3.1	2010	6	985	963.9812027	983.0311829
KPC	3.1	2010	7	971	968.2121608	987.262141
KPC	3.1	2010	8	970	965.8924876	984.9424679
KPC	3.1	2010	9	966	963.2742231	982.3242034
KPC	3.1	2010	10	958	956.0787295	975.1287098
KPC	3.1	2010	11	963	950.0098931	969.0598733
KPC	3.1	2010	12	952	950.03168	969.0816602
KPC	3.1	2011	1	957	944.7053331	963.7553133
KPC	3.1	2011	2	957	945.276559	964.3265393
KPC	3.1	2011	3	964	945.2238833	964.2738635
KPC	3.1	2011	4	958	951.1706624	970.2206427
KPC	3.1	2011	5	956	951.0244168	970.0743971
KPC	3.1	2011	6	954	948.3416523	967.3916325
KPC	3.1	2011	7	950	944.2727677	963.322748
KPC	3.1	2011	8	947	940.8103651	959.8603453
KPC	3.1	2011	9	950	937.7360216	956.7860018
KPC	3.1	2011	10	948	937.7895004	956.8394806
KPC	3.1	2011	11	949	937.9335624	956.9835426
KPC	3.1	2011	12	948	938.9893305	958.0393107
KPC	3.1	2012	1	944	938.3262773	957.3762576
KPC	3.1	2012	2	944	935.7764454	954.8264256
KPC	3.1	2012	3	947	933.9358209	952.9858011
KPC	3.1	2012	4	945	934.8765195	953.9264997
KPC	3.1	2012	5	942	935.5515665	954.6015467
KPC	3.1	2012	6	940	933.9400665	952.9900468
KPC	3.1	2012	7	942	930.7486971	949.7986773
KPC	3.1	2012	8	954	930.4179215	949.4679018
KPC	3.1	2012	9	953	938.3127065	957.3626867
KPC	3.1	2012	10	946	943.7151876	962.7651678
KPC	3.1	2012	11	941	941.6577959	960.7077761
KPC	3.1	2012	12	948	934.005129	953.0551093

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 Customer Models Output Data

JURIS	revcls	YEAR	MONTH	CUST	L95	U95
KPC	3.1	2013	1	934	933.5688364	952.6188166
KPC	3.1	2013	2	945	928.3295393	947.3795195
KPC	3.1	2013	3	936	931.4151005	950.4650808
KPC	3.1	2013	4	934	927.5816949	946.6316751
KPC	3.1	2013	5	931	925.9473911	944.9973714
KPC	3.1	2013	6	933	921.4252595	940.4752398
KPC	3.1	2013	7	926	921.0147896	940.0647698
KPC	3.1	2013	8	929	918.2196991	937.2696794
KPC	3.1	2013	9	934	917.9384896	936.9884698
KPC	3.1	2013	10	929	920.674733	939.7247132
KPC	3.1	2013	11	927	921.1757727	940.2257529
KPC	3.1	2013	12	928	919.1907067	938.2406869
KPC	3.1	2014	1	930	917.0374718	936.0874521
KPC	3.1	2014	2	931	918.3628658	937.412846
KPC	3.1	2014	3	933	920.6643468	939.714327
KPC	3.1	2014	4	931	922.7089855	941.7589658
KPC	3.1	2014	5	933	922.2796821	941.3296624
KPC	3.1	2014	6	931	922.7089855	941.7589658
KPC	3.1	2014	7	931	921.661678	940.7116582
KPC	3.1	2014	8	936	921.2927679	940.3427481
KPC	3.1	2014	9	934	923.7047399	942.7547201
KPC	3.1	2014	10	933	924.7256046	943.7755848
KPC	3.1	2014	11	929	924.5072298	943.55721
KPC	3.1	2014	12	928	920.7675746	939.8175548
KPC	3.1	2015	1	929	918.0971835	937.1471637
KPC	3.1	2015	2	922	917.7213589	936.7713392
KPC	3.1	2015	3	931	914.4576638	933.507644
KPC	3.1	2015	4	930	917.3720079	936.4219882
KPC	3.1	2015	5	924	919.1222324	938.1722126
KPC	3.1	2015	6	930	917.8342006	936.8841809
KPC	3.1	2015	7	934	918.0974548	937.1474351
KPC	3.1	2015	8	925	921.042097	940.0920772
KPC	3.1	2015	9	923	919.5704748	938.620455
KPC	3.1	2015	10	917	915.2457624	934.2957427
KPC	3.1	2015	11	920	908.0833854	927.1333656
KPC	3.1	2015	12	916	907.5923698	926.6423501

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 Customer Models Output Data

JURIS	revcls	YEAR	MONTH	CUST	L95	U95
KPC	3.1	2016	1	910	906.3344358	925.384416
KPC	3.1	2016	2	916	902.6852115	921.7351917
KPC	3.1	2016	3	913	902.9573364	922.0073167
KPC	3.1	2016	4	910	902.737978	921.7879582
KPC	3.1	2016	5	904	902.0359564	921.0859366
KPC	3.1	2016	6	905	896.4934318	915.543412
KPC	3.1	2016	7	903	893.7533222	912.8033024
KPC	3.1	2016	8	899	892.4025773	911.4525575
KPC	3.1	2016	9	897	890.4283692	909.4783495
KPC	3.1	2016	10	896	887.574659	906.6246392
KPC	3.1	2016	11	892	885.4791793	904.5291596
KPC	3.1	2016	12	892	882.9844032	902.0343834
KPC	3.1	2017	1	891	881.6747637	900.724744
KPC	3.1	2017	2	887	880.5661984	899.6161786
KPC	3.1	2017	3	888	878.396406	897.4463862
KPC	3.1	2017	4	884	877.4263821	896.4763623
KPC	3.1	2017	5	884	874.8334576	893.8834378
KPC	3.1	2017	6	882	873.9127284	892.9627086
KPC	3.1	2017	7	885	872.1626562	891.2126364
KPC	3.1	2017	8	885	873.4394678	892.4894481
KPC	3.1	2017	9	882	874.6428005	893.6927807
KPC	3.1	2017	10	885	873.7660284	892.8160087
KPC	3.1	2017	11	881	874.0486011	893.0985814
KPC	3.1	2017	12	887	872.126478	891.1764582
KPC	3.1	2018	1	884	874.8772318	893.927212
KPC	3.1	2018	2	892	874.759114	893.8090943
KPC	3.1	2018	3	885	879.5633774	898.6133576
KPC	3.1	2018	4	881	877.9158515	896.9658317
KPC	3.1	2018	5	881	874.131436	893.1814162
KPC	3.1	2018	6	883	870.3089459	889.3589262
KPC	3.1	2018	7	882	870.7768249	889.8268052
KPC	3.1	2018	8	885	872.1291468	891.179127
KPC	3.1	2018	9	881	874.1995468	893.249527
KPC	3.1	2018	10	883	872.7125189	891.7624991
KPC	3.1	2018	11	934	922.1330412	941.1830214
KPC	3.1	2018	12	887	873.4205506	892.4705308

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 Customer Models Output Data

JURIS	revcls	YEAR	MONTH	CUST	L95	U95
KPC	3.1	2019	1	886	876.1082627	895.158243
KPC	3.1	2019	2	886	875.2960497	897.2952631
KPC	3.1	2019	3	886	873.0812102	899.3754504
KPC	3.1	2019	4	886	870.1372464	901.3890922
KPC	3.1	2019	5	886	868.038671	903.0752866
KPC	3.1	2019	6	885	865.9498121	904.585475
KPC	3.1	2019	7	885	863.782026	905.9539246
KPC	3.1	2019	8	885	861.865241	907.2020449
KPC	3.1	2019	9	884	860.0106021	908.3436357
KPC	3.1	2019	10	884	858.2033027	909.3967076
KPC	3.1	2019	11	883	856.4922521	910.3786421
KPC	3.1	2019	12	883	854.8379876	911.2954108
KPC	3.1	2020	1	883	853.2317491	912.155348
KPC	3.1	2020	2	882	851.6792105	912.9668945
KPC	3.1	2020	3	882	850.1691142	913.734215
KPC	3.1	2020	4	882	848.6968715	914.4618923
KPC	3.1	2020	5	881	847.261064	915.1542177
KPC	3.1	2020	6	881	845.8573186	915.8141179
KPC	3.1	2020	7	880	844.4828406	916.4443803
KPC	3.1	2020	8	880	843.1357037	917.0475256
KPC	3.1	2020	9	880	841.8135854	917.625577
KPC	3.1	2020	10	879	840.5146431	918.1803763
KPC	3.1	2020	11	879	839.2373466	918.7135759
KPC	3.1	2020	12	879	837.9802058	919.2266043
KPC	3.1	2021	1	878	836.7419296	919.7207525
KPC	3.1	2021	2	878	835.5213786	920.1971849
KPC	3.1	2021	3	877	834.3174989	920.6569428
KPC	3.1	2021	4	877	833.1293445	921.1009722
KPC	3.1	2021	5	877	831.9560595	921.5301342
KPC	3.1	2021	6	876	830.7968578	921.9452121
KPC	3.1	2021	7	876	829.6510219	922.3469236
KPC	3.1	2021	8	876	828.517894	922.7359276
KPC	3.1	2021	9	875	827.3968673	923.1128302
KPC	3.1	2021	10	875	826.2873824	923.4781909
KPC	3.1	2021	11	875	825.1889217	923.8325274
KPC	3.1	2021	12	874	824.1010051	924.1763199

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 Customer Models Output Data

JURIS	revcls	YEAR	MONTH	CUST	L95	U95
KPC	3.15	2008	1	474		
KPC	3.15	2008	2	476	458.9801342	485.5649626
KPC	3.15	2008	3	470	460.5736035	485.0854628
KPC	3.15	2008	4	463	457.5354785	481.3046434
KPC	3.15	2008	5	462	453.0449247	476.7310412
KPC	3.15	2008	6	461	448.8511437	472.5148704
KPC	3.15	2008	7	467	446.2423882	469.9017833
KPC	3.15	2008	8	461	449.4233488	473.0822954
KPC	3.15	2008	9	465	447.8832993	471.5420973
KPC	3.15	2008	10	470	450.4427255	474.1012025
KPC	3.15	2008	11	468	452.0977789	475.7554845
KPC	3.15	2008	12	469	453.8362913	477.4939709
KPC	3.15	2009	1	462	455.2723047	478.9252002
KPC	3.15	2009	2	469	450.6481859	474.2765137
KPC	3.15	2009	3	468	453.1262397	476.754064
KPC	3.15	2009	4	458	452.4145019	475.9105095
KPC	3.15	2009	5	456	448.1820587	470.9668392
KPC	3.15	2009	6	460	446.0827545	468.8156871
KPC	3.15	2009	7	453	444.7476702	467.4792506
KPC	3.15	2009	8	453	440.2447106	462.934903
KPC	3.15	2009	9	471	440.0865781	462.7760633
KPC	3.15	2009	10	442	446.992658	469.682016
KPC	3.15	2009	11	446	438.6859337	461.3752648
KPC	3.15	2009	12	440	436.3934682	459.0827978
KPC	3.15	2010	1	449	424.85975	447.5490792
KPC	3.15	2010	2	442	432.3974755	455.0867995
KPC	3.15	2010	3	448	428.595782	451.2850904
KPC	3.15	2010	4	448	435.2653926	457.9546983
KPC	3.15	2010	5	448	430.2544592	452.94366
KPC	3.15	2010	6	450	435.205717	457.8944567
KPC	3.15	2010	7	453	437.4004245	460.0890812
KPC	3.15	2010	8	450	437.536923	460.2226952
KPC	3.15	2010	9	443	435.7169968	458.389999
KPC	3.15	2010	10	442	434.2619696	456.9326778
KPC	3.15	2010	11	446	428.9115821	451.5812876
KPC	3.15	2010	12	432	425.6219267	448.291415

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 Customer Models Output Data

JURIS	revcls	YEAR	MONTH	CUST	L95	U95
KPC	3.15	2011	1	450	430.622758	453.2922464
KPC	3.15	2011	2	444	428.8936698	451.5631581
KPC	3.15	2011	3	449	429.6302944	452.2997828
KPC	3.15	2011	4	448	431.43904	454.1085284
KPC	3.15	2011	5	449	436.5137932	459.1832816
KPC	3.15	2011	6	447	433.6461171	456.3156054
KPC	3.15	2011	7	437	434.9421619	457.6116503
KPC	3.15	2011	8	443	427.4431767	450.1126651
KPC	3.15	2011	9	442	428.4594344	451.1289227
KPC	3.15	2011	10	439	425.8639607	448.5334491
KPC	3.15	2011	11	438	427.5163401	450.1858285
KPC	3.15	2011	12	432	426.4085446	449.078033
KPC	3.15	2012	1	426	420.2950235	442.9645118
KPC	3.15	2012	2	415	413.9309248	436.6004131
KPC	3.15	2012	3	422	409.2016324	431.8711208
KPC	3.15	2012	4	417	401.7763719	424.4458603
KPC	3.15	2012	5	420	404.2673218	426.9368102
KPC	3.15	2012	6	415	403.9205811	426.5900695
KPC	3.15	2012	7	414	403.4502518	426.1197402
KPC	3.15	2012	8	410	401.4761501	424.1456384
KPC	3.15	2012	9	406	398.24781	420.9172983
KPC	3.15	2012	10	406	396.561844	419.2313323
KPC	3.15	2012	11	402	390.1117074	412.7811958
KPC	3.15	2012	12	398	389.5455866	412.2150749
KPC	3.15	2013	1	410	386.6589265	409.3284148
KPC	3.15	2013	2	398	391.8207773	414.4902657
KPC	3.15	2013	3	389	387.4822749	410.1517633
KPC	3.15	2013	4	398	382.5534936	405.222982
KPC	3.15	2013	5	388	382.6082043	405.2776927
KPC	3.15	2013	6	383	372.4282097	395.097698
KPC	3.15	2013	7	381	374.1540254	396.8235138
KPC	3.15	2013	8	373	367.1670316	389.83652
KPC	3.15	2013	9	367	363.740328	386.4098164
KPC	3.15	2013	10	364	356.4706211	379.1401094
KPC	3.15	2013	11	365	352.1977153	374.8672037
KPC	3.15	2013	12	363	350.4349179	373.1044062

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JURIS	revcls	YEAR	MONTH	CUST	L95	U95
KPC	3.15	2014	1	360	348,444,7641	371,114,2525
KPC	3.15	2014	2	361	347,721,0501	370,390,5384
KPC	3.15	2014	3	363	347,436,7145	370,106,2028
KPC	3.15	2014	4	356	344,571,8896	367,241,378
KPC	3.15	2014	5	368	348,132,9112	370,802,3996
KPC	3.15	2014	6	358	351,715,6315	374,385,1199
KPC	3.15	2014	7	359	342,793,724	365,463,2124
KPC	3.15	2014	8	350	349,244,0785	371,913,5669
KPC	3.15	2014	9	347	338,712,0282	361,381,5165
KPC	3.15	2014	10	356	336,319,0411	358,988,5294
KPC	3.15	2014	11	342	338,543,0156	361,212,504
KPC	3.15	2014	12	337	332,260,2293	354,929,7176
KPC	3.15	2015	1	347	328,167,5869	350,837,0753
KPC	3.15	2015	2	334	327,369,6023	350,039,0907
KPC	3.15	2015	3	333	322,782,8542	345,452,3425
KPC	3.15	2015	4	331	322,905,9839	345,575,4722
KPC	3.15	2015	5	326	316,545,3481	339,214,8364
KPC	3.15	2015	6	325	313,353,6669	336,023,1553
KPC	3.15	2015	7	327	313,512,071	336,181,5593
KPC	3.15	2015	8	322	309,050,7613	331,720,2496
KPC	3.15	2015	9	312	312,454,414	335,123,9023
KPC	3.15	2015	10	311	301,854,211	324,523,6993
KPC	3.15	2015	11	305	301,503,7239	324,173,2123
KPC	3.15	2015	12	297	291,524,2533	314,193,7417
KPC	3.15	2016	1	293	284,235,3539	306,904,8423
KPC	3.15	2016	2	306	284,466,9042	307,136,3926
KPC	3.15	2016	3	293	285,887,8483	308,557,3366
KPC	3.15	2016	4	284	278,397,1474	301,066,6357
KPC	3.15	2016	5	283	279,930,7002	302,600,1886
KPC	3.15	2016	6	285	269,501,5153	292,171,0036
KPC	3.15	2016	7	272	269,626,0618	292,295,5502
KPC	3.15	2016	8	267	262,623,829	285,293,3174
KPC	3.15	2016	9	264	257,348,2365	280,017,7248
KPC	3.15	2016	10	259	250,194,6057	272,864,0941
KPC	3.15	2016	11	262	247,476,0391	270,145,5274
KPC	3.15	2016	12	261	249,301,1593	271,970,6476

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JURIS	revcls	YEAR	MONTH	CUST	L95	U95
KPC	3.15	2017	1	255	245.2219483	267.8914367
KPC	3.15	2017	2	254	244.4798231	267.1493114
KPC	3.15	2017	3	262	241.8156119	264.4851003
KPC	3.15	2017	4	261	244.0571619	266.7266502
KPC	3.15	2017	5	256	242.1727748	264.8422632
KPC	3.15	2017	6	261	248.4299103	271.0993986
KPC	3.15	2017	7	266	247.0996784	269.7691668
KPC	3.15	2017	8	268	248.7114058	271.3808942
KPC	3.15	2017	9	250	250.7617215	273.4312099
KPC	3.15	2017	10	256	246.7229177	269.3924061
KPC	3.15	2017	11	259	243.3507323	266.0202207
KPC	3.15	2017	12	254	240.7802301	263.4497185
KPC	3.15	2018	1	253	241.5199577	264.1894461
KPC	3.15	2018	2	252	239.517597	262.1870854
KPC	3.15	2018	3	254	238.4909609	261.1604493
KPC	3.15	2018	4	252	239.9571275	262.6266159
KPC	3.15	2018	5	249	238.1386774	260.8081657
KPC	3.15	2018	6	249	234.5004211	257.1699094
KPC	3.15	2018	7	251	235.7776153	258.4471037
KPC	3.15	2018	8	247	237.0009992	259.6704875
KPC	3.15	2018	9	248	233.750296	256.4197843
KPC	3.15	2018	10	253	233.4072015	256.0766899
KPC	3.15	2018	11	247	235.9577456	258.627234
KPC	3.15	2018	12	251	239.2590068	261.9284952
KPC	3.15	2019	1	246	234.5824426	257.251931
KPC	3.15	2019	2	243	230.172608	256.3326213
KPC	3.15	2019	3	243	228.6385621	257.8753009
KPC	3.15	2019	4	241	223.9399718	257.9459466
KPC	3.15	2019	5	239	220.1972625	257.5851132
KPC	3.15	2019	6	237	216.4598013	256.9480272
KPC	3.15	2019	7	236	213.9704905	257.6385812
KPC	3.15	2019	8	234	210.8494458	257.3601838
KPC	3.15	2019	9	232	207.1967618	256.3861444
KPC	3.15	2019	10	230	204.0698819	255.8478856
KPC	3.15	2019	11	229	202.3479156	256.5714636
KPC	3.15	2019	12	227	198.2789827	254.8424396

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 Customer Models Output Data

JURIS	revcls	YEAR	MONTH	CUST	L95	U95
KPC	3.15	2020	1	224	194.6952904	253.5137613
KPC	3.15	2020	2	225	194.3746577	255.361497
KPC	3.15	2020	3	221	189.6726211	252.7533362
KPC	3.15	2020	4	221	188.6067903	252.6412313
KPC	3.15	2020	5	219	185.6332979	251.9842295
KPC	3.15	2020	6	217	182.6350159	250.7944438
KPC	3.15	2020	7	215	180.4483835	250.1592905
KPC	3.15	2020	8	214	177.8275943	249.3147547
KPC	3.15	2020	9	212	175.3438534	248.4916127
KPC	3.15	2020	10	210	172.7074334	247.4408418
KPC	3.15	2020	11	208	170.316198	246.6488881
KPC	3.15	2020	12	207	167.8960195	245.7823237
KPC	3.15	2021	1	205	165.3976949	244.8003801
KPC	3.15	2021	2	203	162.7814189	243.6804426
KPC	3.15	2021	3	202	160.7174478	243.083326
KPC	3.15	2021	4	200	158.3312311	242.1370595
KPC	3.15	2021	5	198	155.4795856	240.702551
KPC	3.15	2021	6	197	153.7732798	240.3897827
KPC	3.15	2021	7	195	150.8805015	239.0783433
KPC	3.15	2021	8	193	148.5942662	238.0908118
KPC	3.15	2021	9	192	146.1514575	237.1331553
KPC	3.15	2021	10	190	143.6362374	236.0595779
KPC	3.15	2021	11	188	141.2578342	235.0537535
KPC	3.15	2021	12	186	138.8037782	233.9904693
KPC	3.2	2008	1	7		
KPC	3.2	2008	2	7		
KPC	3.2	2008	3	7		
KPC	3.2	2008	4	7		
KPC	3.2	2008	5	7		
KPC	3.2	2008	6	7		
KPC	3.2	2008	7	8		
KPC	3.2	2008	8	8		
KPC	3.2	2008	9	8		
KPC	3.2	2008	10	8		
KPC	3.2	2008	11	8		
KPC	3.2	2008	12	8		

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 Customer Models Output Data

JURIS	revcls	YEAR	MONTH	CUST	L95	U95
KPC	3.2	2009	1	8		
KPC	3.2	2009	2	8		
KPC	3.2	2009	3	8		
KPC	3.2	2009	4	8		
KPC	3.2	2009	5	8		
KPC	3.2	2009	6	8		
KPC	3.2	2009	7	8		
KPC	3.2	2009	8	8		
KPC	3.2	2009	9	8		
KPC	3.2	2009	10	8		
KPC	3.2	2009	11	8		
KPC	3.2	2009	12	8		
KPC	3.2	2010	1	8		
KPC	3.2	2010	2	8		
KPC	3.2	2010	3	8		
KPC	3.2	2010	4	8		
KPC	3.2	2010	5	8		
KPC	3.2	2010	6	8		
KPC	3.2	2010	7	8		
KPC	3.2	2010	8	8		
KPC	3.2	2010	9	8		
KPC	3.2	2010	10	8		
KPC	3.2	2010	11	8		
KPC	3.2	2010	12	8		
KPC	3.2	2011	1	8		
KPC	3.2	2011	2	8		
KPC	3.2	2011	3	8		
KPC	3.2	2011	4	8		
KPC	3.2	2011	5	8		
KPC	3.2	2011	6	8		
KPC	3.2	2011	7	8		
KPC	3.2	2011	8	8		
KPC	3.2	2011	9	8		
KPC	3.2	2011	10	8		
KPC	3.2	2011	11	8		
KPC	3.2	2011	12	8		

Kentucky Power Company
 Customer Models Output Data

JURIS	revcls	YEAR	MONTH	CUST	L95	U95
KPC	3.2	2012	1	8		
KPC	3.2	2012	2	8		
KPC	3.2	2012	3	8		
KPC	3.2	2012	4	8		
KPC	3.2	2012	5	8		
KPC	3.2	2012	6	8		
KPC	3.2	2012	7	8		
KPC	3.2	2012	8	8		
KPC	3.2	2012	9	8		
KPC	3.2	2012	10	8		
KPC	3.2	2012	11	8		
KPC	3.2	2012	12	8		
KPC	3.2	2013	1	8		
KPC	3.2	2013	2	8		
KPC	3.2	2013	3	8		
KPC	3.2	2013	4	8		
KPC	3.2	2013	5	8		
KPC	3.2	2013	6	8		
KPC	3.2	2013	7	8		
KPC	3.2	2013	8	8		
KPC	3.2	2013	9	8		
KPC	3.2	2013	10	8		
KPC	3.2	2013	11	8		
KPC	3.2	2013	12	8		
KPC	3.2	2014	1	8		
KPC	3.2	2014	2	8		
KPC	3.2	2014	3	8		
KPC	3.2	2014	4	8		
KPC	3.2	2014	5	8		
KPC	3.2	2014	6	8		
KPC	3.2	2014	7	8		
KPC	3.2	2014	8	8		
KPC	3.2	2014	9	8		
KPC	3.2	2014	10	8		
KPC	3.2	2014	11	8		
KPC	3.2	2014	12	8		

Kentucky Power Company
 Customer Models Output Data

JURIS	revcls	YEAR	MONTH	CUST	L95	U95
KPC	3.2	2015	1	8	8	8
KPC	3.2	2015	2	8	8	8
KPC	3.2	2015	3	8	8	8
KPC	3.2	2015	4	8	8	8
KPC	3.2	2015	5	8	8	8
KPC	3.2	2015	6	8	8	8
KPC	3.2	2015	7	8	8	8
KPC	3.2	2015	8	8	8	8
KPC	3.2	2015	9	8	8	8
KPC	3.2	2015	10	8	8	8
KPC	3.2	2015	11	8	8	8
KPC	3.2	2015	12	8	8	8
KPC	3.2	2016	1	8	8	8
KPC	3.2	2016	2	8	8	8
KPC	3.2	2016	3	8	8	8
KPC	3.2	2016	4	8	8	8
KPC	3.2	2016	5	8	8	8
KPC	3.2	2016	6	8	8	8
KPC	3.2	2016	7	8	8	8
KPC	3.2	2016	8	8	8	8
KPC	3.2	2016	9	8	8	8
KPC	3.2	2016	10	8	8	8
KPC	3.2	2016	11	8	8	8
KPC	3.2	2016	12	8	8	8
KPC	3.2	2017	1	8	8	8
KPC	3.2	2017	2	8	8	8
KPC	3.2	2017	3	8	8	8
KPC	3.2	2017	4	8	8	8
KPC	3.2	2017	5	8	8	8
KPC	3.2	2017	6	8	8	8
KPC	3.2	2017	7	8	8	8
KPC	3.2	2017	8	8	8	8
KPC	3.2	2017	9	8	8	8
KPC	3.2	2017	10	8	8	8
KPC	3.2	2017	11	8	8	8
KPC	3.2	2017	12	8	8	8

Kentucky Power Company
 Customer Models Output Data

JURIS	revcls	YEAR	MONTH	CUST	L95	U95
KPC	3.2	2018	1	8		
KPC	3.2	2018	2	8		
KPC	3.2	2018	3	8		
KPC	3.2	2018	4	8		
KPC	3.2	2018	5	8		
KPC	3.2	2018	6	8		
KPC	3.2	2018	7	8		
KPC	3.2	2018	8	8		
KPC	3.2	2018	9	8		
KPC	3.2	2018	10	8		
KPC	3.2	2018	11	8		
KPC	3.2	2018	12	8		
KPC	3.2	2019	1			
KPC	3.2	2019	2			
KPC	3.2	2019	3			
KPC	3.2	2019	4			
KPC	3.2	2019	5			
KPC	3.2	2019	6			
KPC	3.2	2019	7			
KPC	3.2	2019	8			
KPC	3.2	2019	9			
KPC	3.2	2019	10			
KPC	3.2	2019	11			
KPC	3.2	2019	12			
KPC	3.2	2020	1			
KPC	3.2	2020	2			
KPC	3.2	2020	3			
KPC	3.2	2020	4			
KPC	3.2	2020	5			
KPC	3.2	2020	6			
KPC	3.2	2020	7			
KPC	3.2	2020	8			
KPC	3.2	2020	9			
KPC	3.2	2020	10			
KPC	3.2	2020	11			
KPC	3.2	2020	12			

Kentucky Power Company
 Customer Models Output Data

JURIS	revcls	YEAR	MONTH	CUST	L95	U95
KPC	3.2	2021	1			
KPC	3.2	2021	2			
KPC	3.2	2021	3			
KPC	3.2	2021	4			
KPC	3.2	2021	5			
KPC	3.2	2021	6			
KPC	3.2	2021	7			
KPC	3.2	2021	8			
KPC	3.2	2021	9			
KPC	3.2	2021	10			
KPC	3.2	2021	11			
KPC	3.2	2021	12			
KPC	3.25	2008	1		2	
KPC	3.25	2008	2		2	
KPC	3.25	2008	3		2	
KPC	3.25	2008	4		2	
KPC	3.25	2008	5		2	
KPC	3.25	2008	6		2	
KPC	3.25	2008	7		2	
KPC	3.25	2008	8		2	
KPC	3.25	2008	9		2	
KPC	3.25	2008	10		2	
KPC	3.25	2008	11		2	
KPC	3.25	2008	12		2	
KPC	3.25	2009	1		2	
KPC	3.25	2009	2		2	
KPC	3.25	2009	3		2	
KPC	3.25	2009	4		2	
KPC	3.25	2009	5		2	
KPC	3.25	2009	6		2	
KPC	3.25	2009	7		2	
KPC	3.25	2009	8		2	
KPC	3.25	2009	9		2	
KPC	3.25	2009	10		2	
KPC	3.25	2009	11		2	
KPC	3.25	2009	12		2	

Kentucky Power Company
 Customer Models Output Data

JURIS	revcls	YEAR	MONTH	CUST	L95	U95
KPC	3.25	2010	1	2		
KPC	3.25	2010	2	2		
KPC	3.25	2010	3	2		
KPC	3.25	2010	4	2		
KPC	3.25	2010	5	2		
KPC	3.25	2010	6	2		
KPC	3.25	2010	7	2		
KPC	3.25	2010	8	2		
KPC	3.25	2010	9	2		
KPC	3.25	2010	10	2		
KPC	3.25	2010	11	2		
KPC	3.25	2010	12	2		
KPC	3.25	2011	1	2		
KPC	3.25	2011	2	2		
KPC	3.25	2011	3	2		
KPC	3.25	2011	4	2		
KPC	3.25	2011	5	2		
KPC	3.25	2011	6	2		
KPC	3.25	2011	7	2		
KPC	3.25	2011	8	2		
KPC	3.25	2011	9	2		
KPC	3.25	2011	10	2		
KPC	3.25	2011	11	2		
KPC	3.25	2011	12	2		
KPC	3.25	2012	1	2		
KPC	3.25	2012	2	2		
KPC	3.25	2012	3	2		
KPC	3.25	2012	4	2		
KPC	3.25	2012	5	2		
KPC	3.25	2012	6	2		
KPC	3.25	2012	7	2		
KPC	3.25	2012	8	2		
KPC	3.25	2012	9	2		
KPC	3.25	2012	10	2		
KPC	3.25	2012	11	2		
KPC	3.25	2012	12	2		

Kentucky Power Company
 Customer Models Output Data

JURIS	revcls	YEAR	MONTH	CUST	L95	U95
KPC	3.25	2013	1	2		
KPC	3.25	2013	2	2		
KPC	3.25	2013	3	2		
KPC	3.25	2013	4	2		
KPC	3.25	2013	5	2		
KPC	3.25	2013	6	2		
KPC	3.25	2013	7	2		
KPC	3.25	2013	8	2		
KPC	3.25	2013	9	2		
KPC	3.25	2013	10	2		
KPC	3.25	2013	11	2		
KPC	3.25	2013	12	2		
KPC	3.25	2014	1	2		
KPC	3.25	2014	2	2		
KPC	3.25	2014	3	2		
KPC	3.25	2014	4	2		
KPC	3.25	2014	5	2		
KPC	3.25	2014	6	2		
KPC	3.25	2014	7	2		
KPC	3.25	2014	8	2		
KPC	3.25	2014	9	2		
KPC	3.25	2014	10	2		
KPC	3.25	2014	11	2		
KPC	3.25	2014	12	2		
KPC	3.25	2015	1	2		
KPC	3.25	2015	2	2		
KPC	3.25	2015	3	2		
KPC	3.25	2015	4	2		
KPC	3.25	2015	5	2		
KPC	3.25	2015	6	2		
KPC	3.25	2015	7	2		
KPC	3.25	2015	8	2		
KPC	3.25	2015	9	2		
KPC	3.25	2015	10	2		
KPC	3.25	2015	11	2		
KPC	3.25	2015	12	2		

Kentucky Power Company
 Customer Models Output Data

JURIS	revcls	YEAR	MONTH	CUST	L95	U95
KPC	3.25	2016	1	2		
KPC	3.25	2016	2	2		
KPC	3.25	2016	3	2		
KPC	3.25	2016	4	2		
KPC	3.25	2016	5	2		
KPC	3.25	2016	6	2		
KPC	3.25	2016	7	2		
KPC	3.25	2016	8	2		
KPC	3.25	2016	9	2		
KPC	3.25	2016	10	2		
KPC	3.25	2016	11	2		
KPC	3.25	2016	12	2		
KPC	3.25	2017	1	2		
KPC	3.25	2017	2	2		
KPC	3.25	2017	3	2		
KPC	3.25	2017	4	2		
KPC	3.25	2017	5	2		
KPC	3.25	2017	6	2		
KPC	3.25	2017	7	2		
KPC	3.25	2017	8	2		
KPC	3.25	2017	9	2		
KPC	3.25	2017	10	2		
KPC	3.25	2017	11	2		
KPC	3.25	2017	12	2		
KPC	3.25	2018	1	2		
KPC	3.25	2018	2	2		
KPC	3.25	2018	3	2		
KPC	3.25	2018	4	2		
KPC	3.25	2018	5	2		
KPC	3.25	2018	6	2		
KPC	3.25	2018	7	2		
KPC	3.25	2018	8	2		
KPC	3.25	2018	9	2		
KPC	3.25	2018	10	2		
KPC	3.25	2018	11	2		
KPC	3.25	2018	12	2		

Kentucky Power Company
 Customer Models Output Data

JURIS	revcls	YEAR	MONTH	CUST	L95	U95
KPC	3.25	2019	1			
KPC	3.25	2019	2			
KPC	3.25	2019	3			
KPC	3.25	2019	4			
KPC	3.25	2019	5			
KPC	3.25	2019	6			
KPC	3.25	2019	7			
KPC	3.25	2019	8			
KPC	3.25	2019	9			
KPC	3.25	2019	10			
KPC	3.25	2019	11			
KPC	3.25	2019	12			
KPC	3.25	2020	1			
KPC	3.25	2020	2			
KPC	3.25	2020	3			
KPC	3.25	2020	4			
KPC	3.25	2020	5			
KPC	3.25	2020	6			
KPC	3.25	2020	7			
KPC	3.25	2020	8			
KPC	3.25	2020	9			
KPC	3.25	2020	10			
KPC	3.25	2020	11			
KPC	3.25	2020	12			
KPC	3.25	2021	1			
KPC	3.25	2021	2			
KPC	3.25	2021	3			
KPC	3.25	2021	4			
KPC	3.25	2021	5			
KPC	3.25	2021	6			
KPC	3.25	2021	7			
KPC	3.25	2021	8			
KPC	3.25	2021	9			
KPC	3.25	2021	10			
KPC	3.25	2021	11			
KPC	3.25	2021	12			

Kentucky Power Company
 Customer Models Output Data

JURIS	revcls	YEAR	MONTH	CUST	L95	U95
KPC	4	2008	1	380		
KPC	4	2008	2	379	371.2238633	387.7023236
KPC	4	2008	3	376	371.1141763	386.186394
KPC	4	2008	4	383	369.3526406	384.1346042
KPC	4	2008	5	374	371.9650172	386.6756703
KPC	4	2008	6	373	368.8154068	383.5078357
KPC	4	2008	7	386	366.7268152	381.4145403
KPC	4	2008	8	380	372.0502713	386.7367793
KPC	4	2008	9	376	371.8113751	386.4975681
KPC	4	2008	10	379	369.7253634	384.4114462
KPC	4	2008	11	373	370.1370481	384.8231309
KPC	4	2008	12	384	367.4000048	382.0860876
KPC	4	2009	1	375	371.4091156	386.0951984
KPC	4	2009	2	376	369.0295543	383.715637
KPC	4	2009	3	380	368.3096689	382.9957517
KPC	4	2009	4	373	369.9076822	384.593765
KPC	4	2009	5	372	367.2832787	381.9693615
KPC	4	2009	6	373	365.456607	380.1426898
KPC	4	2009	7	370	365.0180916	379.7041744
KPC	4	2009	8	369	363.3216512	378.007734
KPC	4	2009	9	379	361.9672272	376.65331
KPC	4	2009	10	375	366.1888717	380.8749544
KPC	4	2009	11	366	366.3729311	381.0590139
KPC	4	2009	12	366	362.0467711	376.7328539
KPC	4	2010	1	362	359.8451543	374.5312371
KPC	4	2010	2	367	356.7603657	371.4464484
KPC	4	2010	3	363	357.6459532	372.332036
KPC	4	2010	4	369	356.1322671	370.8183498
KPC	4	2010	5	372	358.3084931	372.9945759
KPC	4	2010	6	388	360.8892681	375.5753509
KPC	4	2010	7	406	402.3136275	416.9997103
KPC	4	2010	8	412	399.9809596	414.6670424
KPC	4	2010	9	411	401.7403995	416.4264823
KPC	4	2010	10	414	402.1447001	416.8307829
KPC	4	2010	11	417	403.8237283	418.5098111
KPC	4	2010	12	410	406.1514753	420.8375581

Kentucky Power Company
 Customer Models Output Data

JURIS	revcls	YEAR	MONTH	CUST	L95	U95
KPC	4	2011	1	407	403.8984391	418.5845219
KPC	4	2011	2	402	401.2785748	415.9646576
KPC	4	2011	3	411	397.4898446	412.1759274
KPC	4	2011	4	434	423.8237529	438.5098357
KPC	4	2011	5	413	400.8360179	415.5221007
KPC	4	2011	6	412	402.6666375	417.3527203
KPC	4	2011	7	411	403.107162	417.7932448
KPC	4	2011	8	407	402.8402563	417.5263391
KPC	4	2011	9	407	400.7400573	415.4261401
KPC	4	2011	10	420	399.6712495	414.3573323
KPC	4	2011	11	407	405.5115227	420.1976055
KPC	4	2011	12	405	402.0994858	416.7855685
KPC	4	2012	1	405	399.3808891	414.0669719
KPC	4	2012	2	404	397.9973738	412.6834566
KPC	4	2012	3	404	396.8021999	411.4882827
KPC	4	2012	4	402	396.1939665	410.8800493
KPC	4	2012	5	401	394.9022475	409.5883303
KPC	4	2012	6	401	393.7537894	408.4398722
KPC	4	2012	7	399	393.16933	407.8554128
KPC	4	2012	8	399	391.8897098	406.5757926
KPC	4	2012	9	398	391.238501	405.9245838
KPC	4	2012	10	399	390.4160036	405.1020864
KPC	4	2012	11	399	390.4885203	405.1746031
KPC	4	2012	12	395	390.5254247	405.2115075
KPC	4	2013	1	393	388.579837	403.2659198
KPC	4	2013	2	392	386.6075279	401.2936107
KPC	4	2013	3	391	385.1127121	399.7987949
KPC	4	2013	4	389	383.8608965	398.5469793
KPC	4	2013	5	390	382.2416534	396.9277362
KPC	4	2013	6	388	381.9087	396.5947828
KPC	4	2013	7	388	380.7570731	395.4431559
KPC	4	2013	8	387	380.1710012	394.8570839
KPC	4	2013	9	376	368.6876234	383.3737062
KPC	4	2013	10	376	368.1356576	382.8217404
KPC	4	2013	11	375	367.8547579	382.5408407
KPC	4	2013	12	373	367.2207137	381.9067965

Kentucky Power Company
 Customer Models Output Data

JURIS	revcls	YEAR	MONTH	CUST	L95	U95
KPC	4	2014	1	373	365.9158594	380.6019421
KPC	4	2014	2	374	365.2518087	379.9378915
KPC	4	2014	3	373	365.4049603	380.0910431
KPC	4	2014	4	372	364.9918082	379.6778909
KPC	4	2014	5	370	364.2904597	378.9765424
KPC	4	2014	6	370	362.9513536	377.6374364
KPC	4	2014	7	369	362.269872	376.9559548
KPC	4	2014	8	369	361.4319685	376.1180513
KPC	4	2014	9	369	361.0055529	375.6916357
KPC	4	2014	10	365	360.7885466	375.4746294
KPC	4	2014	11	365	358.7137418	373.3998246
KPC	4	2014	12	365	357.6578574	372.3439402
KPC	4	2015	1	363	357.1205095	371.8065923
KPC	4	2015	2	364	355.8648646	370.5509474
KPC	4	2015	3	364	355.7169492	370.403032
KPC	4	2015	4	364	355.6416739	370.3277567
KPC	4	2015	5	362	355.6033657	370.2894485
KPC	4	2015	6	310	302.0930202	316.7791029
KPC	4	2015	7	414	406.8503913	421.5364741
KPC	4	2015	8	359	353.7098255	368.3959083
KPC	4	2015	9	358	352.1647722	366.850855
KPC	4	2015	10	357	350.8873903	365.5734731
KPC	4	2015	11	357	349.7462284	364.4323112
KPC	4	2015	12	352	349.1654822	363.851565
KPC	4	2016	1	352	346.4144752	361.100558
KPC	4	2016	2	351	345.0144661	359.7005489
KPC	4	2016	3	350	343.8108983	358.4969811
KPC	4	2016	4	352	342.7073011	357.3933839
KPC	4	2016	5	351	343.127856	357.8139388
KPC	4	2016	6	350	342.8507876	357.5368704
KPC	4	2016	7	349	342.2186932	356.904776
KPC	4	2016	8	347	341.4059232	356.092006
KPC	4	2016	9	372	364.3558473	379.0419301
KPC	4	2016	10	347	339.6210808	354.3071636
KPC	4	2016	11	347	339.1017936	353.7878764
KPC	4	2016	12	346	338.8375243	353.523607

Kentucky Power Company
 Customer Models Output Data

JURIS	revcls	YEAR	MONTH	CUST	L95	U95
KPC	4	2017	1	347	338.2119434	352.8980262
KPC	4	2017	2	347	338.3846725	353.0707553
KPC	4	2017	3	348	338.4725757	353.1586585
KPC	4	2017	4	346	339.0084025	353.6944852
KPC	4	2017	5	345	338.2989046	352.9849874
KPC	4	2017	6	345	337.4467435	352.1328263
KPC	4	2017	7	345	337.0130719	351.6991547
KPC	4	2017	8	345	336.7923731	351.4784559
KPC	4	2017	9	341	336.6800577	351.3661405
KPC	4	2017	10	343	334.658531	349.3446138
KPC	4	2017	11	343	334.6119444	349.2980272
KPC	4	2017	12	343	334.5882362	349.274319
KPC	4	2018	1	342	334.5761708	349.2622536
KPC	4	2018	2	342	334.0789386	348.7650213
KPC	4	2018	3	342	333.8258931	348.5119759
KPC	4	2018	4	342	333.6971163	348.3831991
KPC	4	2018	5	341	333.6315808	348.3176636
KPC	4	2018	6	296	291.1982323	305.8843151
KPC	4	2018	7	378	373.2311359	387.9172187
KPC	4	2018	8	333	329.5211663	344.2072491
KPC	4	2018	9	332	327.0865778	341.7726605
KPC	4	2018	10	332	325.3565044	340.0425872
KPC	4	2018	11	331	324.4760564	339.1621392
KPC	4	2018	12	331	323.5368974	338.2229802
KPC	4	2019	1	330	323.058952	337.7450348
KPC	4	2019	2	330	321.6843604	338.0458134
KPC	4	2019	3	329	320.3879167	338.268444
KPC	4	2019	4	329	319.1511316	338.4314161
KPC	4	2019	5	328	317.9618277	338.546907
KPC	4	2019	6	328	316.8114808	338.6234409
KPC	4	2019	7	327	315.6938476	338.6672609
KPC	4	2019	8	327	314.6041935	338.683102
KPC	4	2019	9	326	313.5388263	338.6746563
KPC	4	2019	10	326	312.4948007	338.6448688
KPC	4	2019	11	325	311.4697227	338.5961338
KPC	4	2019	12	324	310.4616149	338.5304285

Kentucky Power Company
 Customer Models Output Data

JURIS	revcls	YEAR	MONTH	CUST	L95	U95
KPC	4	2020	1	324	309.4688218	338.4494086
KPC	4	2020	2	323	308.4899405	338.3544768
KPC	4	2020	3	323	307.5237703	338.246834
KPC	4	2020	4	322	306.5692737	338.1275176
KPC	4	2020	5	322	305.6255471	337.9974311
KPC	4	2020	6	321	304.691798	337.8573672
KPC	4	2020	7	321	303.7673262	337.708026
KPC	4	2020	8	320	302.8515101	337.550029
KPC	4	2020	9	320	301.9437944	337.3839317
KPC	4	2020	10	319	301.0436808	337.2102323
KPC	4	2020	11	319	300.15072	337.02938
KPC	4	2020	12	318	299.2645055	336.8417815
KPC	4	2021	1	318	298.3846676	336.6478064
KPC	4	2021	2	317	297.5108694	336.4477916
KPC	4	2021	3	316	296.6428026	336.2420453
KPC	4	2021	4	316	295.7801843	336.0308506
KPC	4	2021	5	315	294.922754	335.8144678
KPC	4	2021	6	315	294.0702716	335.5931372
KPC	4	2021	7	314	293.2225146	335.3670811
KPC	4	2021	8	314	292.3792771	335.1365057
KPC	4	2021	9	313	291.5403673	334.9016024
KPC	4	2021	10	313	290.7056069	334.6625498
KPC	4	2021	11	312	289.8748294	334.4195142
KPC	4	2021	12	312	289.0478792	334.1726514

SHORT-TERM USAGE

Kentucky Power Company
Usage Models

Revcls-Revenue Class

1-Residential

2-Commercial

3.1 Small Industrial

3.15 Small Mine Power

3.2 Large Industrial

3.25 Large Mine Power

3.4 Other Retail

bcdd65-Cooling degree days base 65

bhdd55-Heating degree days base 55

kwh-energy in kWh

cust-

customers

met_day-number of

billing days

usage-energy per

customer

Res1, res2, res3, res4, com1,
com2, com3, com4 ind1, ind2,
ind3, ind4, ind5, ind6, ind7, in8,
ind9, min1, min2, min2time,
min3, min4, min5, min6, min7,
or1, or2, or3, or4, or5, or6, or7,
or8, or9, or10

(Binary Variables)

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	KWH	USAGE	BHDD55	BCDD65	MET_DAYS
KPC	1	2009	1	1/1/2009	144472	324261144	2,244	601.5657742	0	33.23947452
KPC	1	2009	2	2/1/2009	144302	321754903	2,230	731.2745081	0	29.85635935
KPC	1	2009	3	3/1/2009	144126	245050894	1,700	472.1024839	4.156177419	28.64818959
KPC	1	2009	4	4/1/2009	143754	182459913	1,269	182.2500161	3.158040323	30.06250642
KPC	1	2009	5	5/1/2009	143405	144361276	1,007	47.10879839	60.51001613	29.84351915
KPC	1	2009	6	6/1/2009	143404	151245639	1,055	4.56525	121.7563629	30.39816876
KPC	1	2009	7	7/1/2009	143215	173833571	1,214	0	209.9851371	30.15359923
KPC	1	2009	8	8/1/2009	143272	170185790	1,188	0	216.5630242	29.36578457
KPC	1	2009	9	9/1/2009	143258	169252468	1,181	0	207.0889032	29.8130631
KPC	1	2009	10	10/1/2009	143276	143868781	1,004	32.97125	73.97668548	29.76684767
KPC	1	2009	11	11/1/2009	143420	164823717	1,149	131.2959355	3.0435	29.19163065
KPC	1	2009	12	12/1/2009	143633	237454965	1,653	344.6518306	0.196354839	32.20120833
KPC	1	2010	1	1/1/2010	143805	350664153	2,438	710.3954435	0	33.09663881
KPC	1	2010	2	2/1/2010	143788	305077067	2,122	710.4608952	0	29.05592538
KPC	1	2010	3	3/1/2010	143618	279422042	1,946	582.1266452	0	29.33852621
KPC	1	2010	4	4/1/2010	143153	174456108	1,219	135.6484677	24.26618548	30.33392615
KPC	1	2010	5	5/1/2010	142803	135005262	945	35.24569355	38.10920161	29.27630776
KPC	1	2010	6	6/1/2010	142743	166198346	1,164	5.710653226	185.6862258	30.39923772
KPC	1	2010	7	7/1/2010	142667	203979408	1,430	0	334.1959355	30.31019925
KPC	1	2010	8	8/1/2010	142742	212550131	1,489	0	389.9279839	29.53985175
KPC	1	2010	9	9/1/2010	142470	183616419	1,289	0	275.6167419	29.87726498
KPC	1	2010	10	10/1/2010	142457	143598954	1,008	11.24131452	103.4953629	29.76245364
KPC	1	2010	11	11/1/2010	142699	154297601	1,081	119.9237177	9.981370968	28.9916097
KPC	1	2010	12	12/1/2010	142708	273160433	1,914	488.1054032	0	32.5628916
KPC	1	2011	1	1/1/2011	143185	369872756	2,583	776.4852097	0	32.75671127
KPC	1	2011	2	2/1/2011	142735	289653721	2,029	708.5791613	0	29.04620473
KPC	1	2011	3	3/1/2011	142867	213925306	1,497	368.1816855	1.587201613	29.15578896
KPC	1	2011	4	4/1/2011	142173	175913849	1,237	236.6403065	15.29931452	29.44909293
KPC	1	2011	5	5/1/2011	141679	136610903	964	45.88158065	45.94703226	30.51698648
KPC	1	2011	6	6/1/2011	141463	161213402	1,140	14.77570161	172.0559274	30.22216448
KPC	1	2011	7	7/1/2011	141398	180048512	1,273	0	268.7606855	30.26366652
KPC	1	2011	8	8/1/2011	141531	204783417	1,447	0	397.7658145	29.5314933
KPC	1	2011	9	9/1/2011	141286	168880851	1,195	0.163629032	237.8511613	29.96609082
KPC	1	2011	10	10/1/2011	141180	130272550	923	28.81507258	42.41264516	29.68915456
KPC	1	2011	11	11/1/2011	141320	158479656	1,121	144.1899032	0.981774194	29.19367195
KPC	1	2011	12	12/1/2011	141500	219324970	1,550	263.2791129	1.47266129	32.12227383

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	KWH	USAGE	BHDD55	BCDD65	MET_DAYS
KPC	1	2012	1	1/1/2012	141565	274134546	1,936	454.2341935	0	32.51992766
KPC	1	2012	2	2/1/2012	141707	243903743	1,721	472.9042661	0	29.75177184
KPC	1	2012	3	3/1/2012	141335	199200791	1,409	339.4975161	8.786879032	29.03724498
KPC	1	2012	4	4/1/2012	140895	137671421	977	71.45679839	36.62017742	29.94899584
KPC	1	2012	5	5/1/2012	140790	136654009	971	48.48328226	53.2448871	29.79845302
KPC	1	2012	6	6/1/2012	140611	153985572	1,095	0.245443548	157.4929435	30.55756501
KPC	1	2012	7	7/1/2012	140697	193338001	1,374	0	352.5714758	30.65006039
KPC	1	2012	8	8/1/2012	140645	187003020	1,330	0	346.8444597	28.97089648
KPC	1	2012	9	9/1/2012	140641	168666746	1,199	0.589064516	244.5108629	30.45333813
KPC	1	2012	10	10/1/2012	140571	132251695	941	39.15642742	58.841	29.37691756
KPC	1	2012	11	11/1/2012	140781	166572182	1,183	203.4399758	7.55966129	29.35229629
KPC	1	2012	12	12/1/2012	140909	233547737	1,657	332.1342097	0	31.91666149
KPC	1	2013	1	1/1/2013	141093	280699997	1,989	510.3262258	0	32.66810665
KPC	1	2013	2	2/1/2013	140913	266429823	1,891	598.3259194	0	29.11690535
KPC	1	2013	3	3/1/2013	140755	248594961	1,766	516.6586694	0	29.28354106
KPC	1	2013	4	4/1/2013	140501	207429662	1,476	337.8775887	17.34467742	30.4921912
KPC	1	2013	5	5/1/2013	140166	129736653	926	41.0708871	46.78154032	29.42822208
KPC	1	2013	6	6/1/2013	139896	148187829	1,059	7.183314516	171.5159516	30.49404485
KPC	1	2013	7	7/1/2013	139651	175159040	1,254	0	299.1793226	30.07892249
KPC	1	2013	8	8/1/2013	139694	170774916	1,222	0	279.5438387	29.32590184
KPC	1	2013	9	9/1/2013	139623	161526380	1,157	0	241.3528226	29.92165279
KPC	1	2013	10	10/1/2013	139665	129233894	925	9.981370968	95.52662903	29.64082175
KPC	1	2013	11	11/1/2013	139889	156903872	1,122	167.6215806	13.76120161	29.08099202
KPC	1	2013	12	12/1/2013	140119	253527938	1,809	453.0560645	0.409072581	32.11088214
KPC	1	2014	1	1/1/2014	140271	323852495	2,309	604.0856613	0.785419355	33.28923519
KPC	1	2014	2	2/1/2014	140091	324864812	2,319	802.0931532	0	29.03982343
KPC	1	2014	3	3/1/2014	139931	256160073	1,831	572.7016129	0	29.33834333
KPC	1	2014	4	4/1/2014	139255	176608430	1,268	279.9692742	6.201540323	29.24901764
KPC	1	2014	5	5/1/2014	138875	131470597	947	34.36209677	33.4948629	30.51284546
KPC	1	2014	6	6/1/2014	138595	146952439	1,060	9.490483871	129.34875	30.30976866
KPC	1	2014	7	7/1/2014	138447	171420699	1,238	0	273.4404758	29.82928236
KPC	1	2014	8	8/1/2014	138262	153764534	1,112	0	193.9985806	29.58221152
KPC	1	2014	9	9/1/2014	138304	161216689	1,166	0	225.3499032	30.20521544
KPC	1	2014	10	10/1/2014	138245	121877901	882	17.2301371	57.13925806	29.19614129
KPC	1	2014	11	11/1/2014	138492	154486643	1,115	193.3277016	5.350669355	29.16354167
KPC	1	2014	12	12/1/2014	138726	240700341	1,735	466.833629	0.016362903	32.0610166

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	KWH	USAGE	BHDD55	BCDD65	MET_DAYS
KPC	1	2015	1	1/1/2015	138726	283987625	2,047	574.4524435	0	32.97973069
KPC	1	2015	2	2/1/2015	138781	291080829	2,097	717.9387419	0	29.43841416
KPC	1	2015	3	3/1/2015	138747	283268185	2,042	754.1989355	0	29.42173683
KPC	1	2015	4	4/1/2015	138064	159297411	1,154	212.6359274	4.696153226	30.43740208
KPC	1	2015	5	5/1/2015	137608	125546720	912	52.44310484	51.31406452	29.3652128
KPC	1	2015	6	6/1/2015	137535	149729232	1,089	1.783556452	188.3697419	30.34920642
KPC	1	2015	7	7/1/2015	137529	169165836	1,230	0	267.6970968	30.3589292
KPC	1	2015	8	8/1/2015	137572	170972985	1,243	0	284.2727177	28.79633272
KPC	1	2015	9	9/1/2015	137565	155811061	1,133	0	216.7430161	29.98880711
KPC	1	2015	10	10/1/2015	137600	124126875	902	17.50830645	68.70783065	29.73022431
KPC	1	2015	11	11/1/2015	137679	127891476	929	101.106379	4.745241935	28.95131652
KPC	1	2015	12	12/1/2015	137921	188630371	1,368	248.7815806	0.981774194	32.10059372
KPC	1	2016	1	1/1/2016	138019	242972646	1,760	410.0052661	0	33.07187142
KPC	1	2016	2	2/1/2016	137998	267627861	1,939	684.951129	0	29.08039069
KPC	1	2016	3	3/1/2016	137583	200113637	1,454	385.8372581	1.227217742	29.2725984
KPC	1	2016	4	4/1/2016	137293	144135345	1,050	138.3647097	9.114137097	30.48045434
KPC	1	2016	5	5/1/2016	136978	116048498	847	46.12702419	48.2051129	29.11397416
KPC	1	2016	6	6/1/2016	136721	139166808	1,018	10.79951613	163.2854113	30.30055133
KPC	1	2016	7	7/1/2016	136599	169950961	1,244	0	304.0718306	30.34397365
KPC	1	2016	8	8/1/2016	136648	184674320	1,351	0	406.7163226	29.33839093
KPC	1	2016	9	9/1/2016	136648	176531858	1,292	0	374.2523226	30.19579241
KPC	1	2016	10	10/1/2016	136374	130371558	956	1.799919355	179.1737903	29.64841872
KPC	1	2016	11	11/1/2016	136515	119959287	879	59.49551613	43.23079032	28.87030963
KPC	1	2016	12	12/1/2016	136781	206759111	1,512	349.0861774	1.783556452	32.25585723
KPC	1	2017	1	1/1/2017	136765	245582908	1,796	470.5152823	0	32.89934886
KPC	1	2017	2	2/1/2017	136518	195307826	1,431	392.10425	0	29.50778643
KPC	1	2017	3	3/1/2017	136448	174536235	1,279	307.8843871	0.589064516	29.08668514
KPC	1	2017	4	4/1/2017	135938	141558394	1,041	190.4969194	13.92483065	29.24592122
KPC	1	2017	5	5/1/2017	135791	111859556	824	26.00065323	73.58397581	28.81431379
KPC	1	2017	6	6/1/2017	135598	128176844	945	6.266991935	138.4137984	30.27634636
KPC	1	2017	7	7/1/2017	135504	159125428	1,174	0	276.7621452	30.45307214
KPC	1	2017	8	8/1/2017	135490	162721050	1,201	0	295.6940242	29.36737839
KPC	1	2017	9	9/1/2017	135656	139430846	1,028	0	176.2775565	30.21818975
KPC	1	2017	10	10/1/2017	135477	118738575	876	3.419846774	129.9869032	29.47108643
KPC	1	2017	11	11/1/2017	135707	130956475	965	138.6101532	23.64439516	29.23822243
KPC	1	2017	12	12/1/2017	135787	210092374	1,547	372.5505806	0.883596774	32.18685526

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	KWH	USAGE	BHDD55	BCDD65	MET_DAYS
KPC	1	2018	1	1/1/2018	135937	309010866	2,273	739.9304839	1.832645161	32.77817006
KPC	1	2018	2	2/1/2018	135751	246926975	1,819	599.9294839	3.09258871	29.5479059
KPC	1	2018	3	3/1/2018	135425	172368319	1,273	334.3759274	6.217903226	29.07795867
KPC	1	2018	4	4/1/2018	135126	175280664	1,297	321.3674194	7.166951613	30.67901852
KPC	1	2018	5	5/1/2018	134809	126576953	939	78.93464516	77.92014516	29.10487546
KPC	1	2018	6	6/1/2018	134573	150743660	1,120	1.06358871	262.3627903	31.02664017
KPC	1	2018	7	7/1/2018	134735	172362126	1,279	0	349.838871	30.18129034
KPC	1	2018	8	8/1/2018	134612	161331399	1,198	0	319.403871	29.38144165
KPC	1	2018	9	9/1/2018	134697	161339041	1,198	0	323.5109597	30.13783621
KPC	1	2018	10	10/1/2018	134451	133075554	990	20.02819355	202.6381935	29.16059023
KPC	1	2018	11	11/1/2018	134642	142551046	1,059	193.9985806	29.61685484	29.53297553
KPC	1	2018	12	12/1/2018	134748	216562236	1,607	447.0345161	0.163629032	31.67249469
KPC	1	2019	1	1/1/2019	134731	236891126	1,758	455.4777742	0	33.0123932
KPC	1	2019	2	2/1/2019				607.5818683	0.132539516	29.33128393
KPC	1	2019	3	3/1/2019				456.1170183	1.814645968	29.10452472
KPC	1	2019	4	4/1/2019				226.3240414	14.2373621	30.0408784
KPC	1	2019	5	5/1/2019				52.94435511	46.55409597	29.52417733
KPC	1	2019	6	6/1/2019				6.464437634	142.4145282	30.45229621
KPC	1	2019	7	7/1/2019				0.013090323	289.0381406	30.21051321
KPC	1	2019	8	8/1/2019				0	324.9699852	29.27237261
KPC	1	2019	9	9/1/2019				0.145084409	262.6802306	30.0944106
KPC	1	2019	10	10/1/2019				19.46258253	90.02160296	29.50858247
KPC	1	2019	11	11/1/2019				145.8900089	12.43526102	29.1866069
KPC	1	2019	12	12/1/2019				376.6423973	1.243035215	32.05537534
KPC	1	2020	1	1/1/2020				564.4503462	0.187627957	32.90564934
KPC	1	2020	2	2/1/2020				607.5818683	0.132539516	29.33128393
KPC	1	2020	3	3/1/2020				456.1170183	1.814645968	29.10452472
KPC	1	2020	4	4/1/2020				226.3240414	14.2373621	30.0408784
KPC	1	2020	5	5/1/2020				52.94435511	46.55409597	29.52417733
KPC	1	2020	6	6/1/2020				6.464437634	142.4145282	30.45229621
KPC	1	2020	7	7/1/2020				0.013090323	289.0381406	30.21051321
KPC	1	2020	8	8/1/2020				0	324.9699852	29.27237261
KPC	1	2020	9	9/1/2020				0.145084409	262.6802306	30.0944106
KPC	1	2020	10	10/1/2020				19.46258253	90.02160296	29.50858247
KPC	1	2020	11	11/1/2020				145.8900089	12.43526102	29.1866069
KPC	1	2020	12	12/1/2020				376.6423973	1.243035215	32.05537534

Kentucky Power Company
Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	KWH	USAGE	BHDD55	BCDD65	MET_DAYS
KPC	1	2021	1	1/1/2021				564.4503462	0.187627957	32.90564934
KPC	1	2021	2	2/1/2021				607.5818683	0.132539516	29.33128393
KPC	1	2021	3	3/1/2021				456.1170183	1.814645968	29.10452472
KPC	1	2021	4	4/1/2021				226.3240414	14.2373621	30.0408784
KPC	1	2021	5	5/1/2021				52.94435511	46.55409597	29.52417733
KPC	1	2021	6	6/1/2021				6.464437634	142.4145282	30.45229621
KPC	1	2021	7	7/1/2021				0.013090323	289.0381406	30.21051321
KPC	1	2021	8	8/1/2021				0	324.9699852	29.27237261
KPC	1	2021	9	9/1/2021				0.145084409	262.6802306	30.0944106
KPC	1	2021	10	10/1/2021				19.46258253	90.02160296	29.50858247
KPC	1	2021	11	11/1/2021				145.8900089	12.43526102	29.1866069
KPC	1	2021	12	12/1/2021				376.6423973	1.243035215	32.05537534
KPC	1	2022	1	1/1/2022				564.4503462	0.187627957	32.90564934
KPC	1	2022	2	2/1/2022				607.5818683	0.132539516	29.33128393
KPC	1	2022	3	3/1/2022				456.1170183	1.814645968	29.10452472
KPC	1	2022	4	4/1/2022				226.3240414	14.2373621	30.0408784
KPC	1	2022	5	5/1/2022				52.94435511	46.55409597	29.52417733
KPC	1	2022	6	6/1/2022				6.464437634	142.4145282	30.45229621
KPC	1	2022	7	7/1/2022				0.013090323	289.0381406	30.21051321
KPC	1	2022	8	8/1/2022				0	324.9699852	29.27237261
KPC	1	2022	9	9/1/2022				0.145084409	262.6802306	30.0944106
KPC	1	2022	10	10/1/2022				19.46258253	90.02160296	29.50858247
KPC	1	2022	11	11/1/2022				145.8900089	12.43526102	29.1866069
KPC	1	2022	12	12/1/2022				376.6423973	1.243035215	32.05537534
KPC	2	2009	1	1/1/2009	29552	140606604	4,758	601.5657742	0	33.33742518
KPC	2	2009	2	2/1/2009	29486	135440164	4,593	731.2745081	0	29.83797383
KPC	2	2009	3	3/1/2009	29604	117944093	3,984	472.1024839	4.156177419	28.94399815
KPC	2	2009	4	4/1/2009	29479	108021954	3,664	182.2500161	3.158040323	30.28100468
KPC	2	2009	5	5/1/2009	29457	105536445	3,583	47.10879839	60.51001613	30.06042412
KPC	2	2009	6	6/1/2009	29567	114602837	3,876	4.56525	121.7563629	30.5218432
KPC	2	2009	7	7/1/2009	29524	119391195	4,044	0	209.9851371	30.42087785
KPC	2	2009	8	8/1/2009	29559	118640006	4,014	0	216.5630242	29.72589896
KPC	2	2009	9	9/1/2009	29581	122206783	4,131	0	207.0889032	30.07223489
KPC	2	2009	10	10/1/2009	29614	110816069	3,742	32.97125	73.97668548	29.94246033
KPC	2	2009	11	11/1/2009	29595	102272004	3,456	131.2959355	3.0435	29.37804422
KPC	2	2009	12	12/1/2009	29635	122158139	4,122	344.6518306	0.196354839	32.56418086

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	KWH	USAGE	BHDD55	BCDD65	MET_DAYS
KPC	2	2010	1	1/1/2010	29670	145310559	4,898	710.3954435	0	33.06437828
KPC	2	2010	2	2/1/2010	29652	130435595	4,399	710.4608952	0	29.20335241
KPC	2	2010	3	3/1/2010	29669	125707234	4,237	582.1266452	0	29.32842005
KPC	2	2010	4	4/1/2010	29699	109887187	3,700	135.6484677	24.26618548	30.82687031
KPC	2	2010	5	5/1/2010	29710	103227627	3,475	35.24569355	38.10920161	29.40209653
KPC	2	2010	6	6/1/2010	29863	120865708	4,047	5.710653226	185.6862258	30.816943
KPC	2	2010	7	7/1/2010	29814	128707608	4,317	0	334.1959355	30.46573727
KPC	2	2010	8	8/1/2010	29867	130361661	4,365	0	389.9279839	29.69271328
KPC	2	2010	9	9/1/2010	29864	127052974	4,254	0	275.6167419	30.26195226
KPC	2	2010	10	10/1/2010	29878	109427766	3,662	11.24131452	103.4953629	29.76451156
KPC	2	2010	11	11/1/2010	29971	101444450	3,385	119.9237177	9.981370968	29.33453028
KPC	2	2010	12	12/1/2010	29828	126636697	4,246	488.1054032	0	32.586419
KPC	2	2011	1	1/1/2011	30017	149513476	4,981	776.4852097	0	32.88722405
KPC	2	2011	2	2/1/2011	29782	128069545	4,300	708.5791613	0	29.41533069
KPC	2	2011	3	3/1/2011	29964	113030389	3,772	368.1816855	1.587201613	29.4445752
KPC	2	2011	4	4/1/2011	29852	105850586	3,546	236.6403065	15.29931452	29.71785987
KPC	2	2011	5	5/1/2011	29900	104314600	3,489	45.88158065	45.94703226	30.59681495
KPC	2	2011	6	6/1/2011	29936	113971493	3,807	14.77570161	172.0559274	30.51056737
KPC	2	2011	7	7/1/2011	29908	120703198	4,036	0	268.7606855	30.59035366
KPC	2	2011	8	8/1/2011	30057	126716547	4,216	0	397.7658145	29.53099447
KPC	2	2011	9	9/1/2011	30031	121599600	4,049	0.163629032	237.8511613	30.32198463
KPC	2	2011	10	10/1/2011	30047	104807038	3,488	28.81507258	42.41264516	29.90229034
KPC	2	2011	11	11/1/2011	30046	101307383	3,372	144.1899032	0.981774194	29.46608653
KPC	2	2011	12	12/1/2011	30032	117291091	3,906	263.2791129	1.47266129	32.39390364
KPC	2	2012	1	1/1/2012	30029	127272515	4,238	454.2341935	0	32.66231007
KPC	2	2012	2	2/1/2012	29991	118081469	3,937	472.9042661	0	29.89488125
KPC	2	2012	3	3/1/2012	29891	108057419	3,615	339.4975161	8.786879032	29.29178297
KPC	2	2012	4	4/1/2012	29979	99556722	3,321	71.45679839	36.62017742	30.06495347
KPC	2	2012	5	5/1/2012	30000	101822173	3,394	48.48328226	53.2448871	30.07345891
KPC	2	2012	6	6/1/2012	30057	110744153	3,684	0.245443548	157.4929435	30.67968848
KPC	2	2012	7	7/1/2012	30096	122686761	4,077	0	352.5714758	30.95862203
KPC	2	2012	8	8/1/2012	30111	118371520	3,931	0	346.8444597	29.19612174
KPC	2	2012	9	9/1/2012	30146	120209831	3,988	0.589064516	244.5108629	30.61280765
KPC	2	2012	10	10/1/2012	30087	102116621	3,394	39.15642742	58.841	29.45824827
KPC	2	2012	11	11/1/2012	30157	101170198	3,355	203.4399758	7.55966129	29.72746672
KPC	2	2012	12	12/1/2012	30165	116462995	3,861	332.1342097	0	32.08293693

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JURIS	revcls	YEAR	MONTH	time	CUST	KWH	USAGE	BHDD55	BCDD65	MET_DAYS
KPC	2	2013	1	1/1/2013	30181	127240868	4,216	510.3262258	0	32.64330028
KPC	2	2013	2	2/1/2013	30147	121035817	4,015	598.3259194	0	29.49742295
KPC	2	2013	3	3/1/2013	30078	116643268	3,878	516.6586694	0	29.56226405
KPC	2	2013	4	4/1/2013	30102	110305881	3,664	337.8775887	17.34467742	30.43350696
KPC	2	2013	5	5/1/2013	30159	98184077	3,256	41.0708871	46.78154032	29.90270187
KPC	2	2013	6	6/1/2013	30190	108353308	3,589	7.183314516	171.5159516	30.63421974
KPC	2	2013	7	7/1/2013	30215	114739361	3,797	0	299.1793226	30.14178034
KPC	2	2013	8	8/1/2013	30252	115140659	3,806	0	279.5438387	29.68361976
KPC	2	2013	9	9/1/2013	30824	116231535	3,771	0	241.3528226	30.19176286
KPC	2	2013	10	10/1/2013	30381	104867079	3,452	9.981370968	95.52662903	29.67543558
KPC	2	2013	11	11/1/2013	30296	99743477	3,292	167.6215806	13.76120161	29.46890488
KPC	2	2013	12	12/1/2013	30359	122310223	4,029	453.0560645	0.409072581	32.58977169
KPC	2	2014	1	1/1/2014	30419	138723638	4,560	604.0856613	0.785419355	33.15782537
KPC	2	2014	2	2/1/2014	30347	132758241	4,375	802.0931532	0	29.35595155
KPC	2	2014	3	3/1/2014	30382	118772530	3,909	572.7016129	0	29.45171447
KPC	2	2014	4	4/1/2014	30320	102872440	3,393	279.9692742	6.201540323	29.66176558
KPC	2	2014	5	5/1/2014	30342	101241999	3,337	34.36209677	33.4948629	30.73979804
KPC	2	2014	6	6/1/2014	30337	108860522	3,588	9.490483871	129.34875	30.38225666
KPC	2	2014	7	7/1/2014	30388	116182323	3,823	0	273.4404758	30.43299153
KPC	2	2014	8	8/1/2014	30373	110607898	3,642	0	193.9985806	29.73776361
KPC	2	2014	9	9/1/2014	30463	116975492	3,840	0	225.3499032	30.40248248
KPC	2	2014	10	10/1/2014	30448	100313146	3,295	17.2301371	57.13925806	29.31334779
KPC	2	2014	11	11/1/2014	30411	98419690	3,236	193.3277016	5.350669355	29.57416999
KPC	2	2014	12	12/1/2014	30412	119869452	3,942	466.833629	0.016362903	32.44007234
KPC	2	2015	1	1/1/2015	30428	130143486	4,277	574.4524435	0	33.14174208
KPC	2	2015	2	2/1/2015	30401	126138998	4,149	717.9387419	0	29.60544651
KPC	2	2015	3	3/1/2015	30457	125614239	4,124	754.1989355	0	29.62314902
KPC	2	2015	4	4/1/2015	30405	102030039	3,356	212.6359274	4.696153226	30.65855993
KPC	2	2015	5	5/1/2015	30390	97207182	3,199	52.44310484	51.31406452	29.74021082
KPC	2	2015	6	6/1/2015	30504	109192462	3,580	1.783556452	188.3697419	30.31181248
KPC	2	2015	7	7/1/2015	30611	114739043	3,748	0	267.6970968	29.97200878
KPC	2	2015	8	8/1/2015	30595	113633850	3,714	0	284.2727177	28.75335661
KPC	2	2015	9	9/1/2015	30499	114534760	3,755	0	216.7430161	30.23027952
KPC	2	2015	10	10/1/2015	30444	102147269	3,355	17.50830645	68.70783065	29.87447497
KPC	2	2015	11	11/1/2015	30370	93341861	3,073	101.106379	4.745241935	29.31842894
KPC	2	2015	12	12/1/2015	30397	107099126	3,523	248.7815806	0.981774194	32.1483096

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JURIS	revcls	YEAR	MONTH	time	CUST	KWH	USAGE	BHDD55	BCDD65	MET_DAYS
KPC	2	2016	1	1/1/2016	30328	119365705	3,936	410.0052661	0	33.20737895
KPC	2	2016	2	2/1/2016	30339	120151591	3,960	684.951129	0	29.29403725
KPC	2	2016	3	3/1/2016	30261	108145735	3,574	385.8372581	1.227217742	29.61809824
KPC	2	2016	4	4/1/2016	30243	97128241	3,212	138.3647097	9.114137097	30.64672641
KPC	2	2016	5	5/1/2016	30252	92876405	3,070	46.12702419	48.2051129	29.26972409
KPC	2	2016	6	6/1/2016	30305	104329061	3,443	10.79951613	163.2854113	30.70104121
KPC	2	2016	7	7/1/2016	30300	113689197	3,752	0	304.0718306	30.55772315
KPC	2	2016	8	8/1/2016	30322	118016343	3,892	0	406.7163226	29.47282645
KPC	2	2016	9	9/1/2016	30365	122195192	4,024	0	374.2523226	30.58008188
KPC	2	2016	10	10/1/2016	30315	103959866	3,429	1.799919355	179.1737903	29.83968069
KPC	2	2016	11	11/1/2016	30237	92160661	3,048	59.49551613	43.23079032	29.42092248
KPC	2	2016	12	12/1/2016	30243	109650983	3,626	349.0861774	1.783556452	32.42321805
KPC	2	2017	1	1/1/2017	30198	119982906	3,973	470.5152823	0	32.89964241
KPC	2	2017	2	2/1/2017	30147	105085106	3,486	392.10425	0	29.73278859
KPC	2	2017	3	3/1/2017	30188	99050390	3,281	307.8843871	0.589064516	29.37862539
KPC	2	2017	4	4/1/2017	30137	94129268	3,123	190.4969194	13.92483065	29.26060876
KPC	2	2017	5	5/1/2017	30213	91587119	3,031	26.00065323	73.58397581	29.18894572
KPC	2	2017	6	6/1/2017	30221	100001014	3,309	6.266991935	138.4137984	30.66931014
KPC	2	2017	7	7/1/2017	30272	109854510	3,629	0	276.7621452	30.74776453
KPC	2	2017	8	8/1/2017	30232	110051024	3,640	0	295.6940242	29.49436778
KPC	2	2017	9	9/1/2017	30249	107268734	3,546	0	176.2775565	30.30568767
KPC	2	2017	10	10/1/2017	30221	99012011	3,276	3.419846774	129.9869032	29.79667956
KPC	2	2017	11	11/1/2017	30230	93373275	3,089	138.6101532	23.64439516	29.70552669
KPC	2	2017	12	12/1/2017	30209	108508735	3,592	372.5505806	0.883596774	32.25110797
KPC	2	2018	1	1/1/2018	30281	132408293	4,373	739.9304839	1.832645161	32.75921543
KPC	2	2018	2	2/1/2018	30154	116027512	3,848	599.9294839	3.09258871	29.65311746
KPC	2	2018	3	3/1/2018	30095	98708054	3,280	334.3759274	6.217903226	29.38203608
KPC	2	2018	4	4/1/2018	30101	100199167	3,329	321.3674194	7.166951613	30.71092827
KPC	2	2018	5	5/1/2018	30151	92163985	3,057	78.93464516	77.92014516	29.36415595
KPC	2	2018	6	6/1/2018	30149	109624640	3,636	1.06358871	262.3627903	31.31608056
KPC	2	2018	7	7/1/2018	30200	112348092	3,720	0	349.838871	30.48169515
KPC	2	2018	8	8/1/2018	30239	108393006	3,585	0	319.403871	29.18660954
KPC	2	2018	9	9/1/2018	30221	113304543	3,749	0	323.5109597	30.28459268
KPC	2	2018	10	10/1/2018	30141	102673609	3,406	20.02819355	202.6381935	29.50427974
KPC	2	2018	11	11/1/2018	30132	92474122	3,069	193.9985806	29.61685484	29.9357997
KPC	2	2018	12	12/1/2018	30027	108604117	3,617	447.0345161	0.163629032	31.85041848

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JURIS	revcls	YEAR	MONTH	time	CUST	KWH	USAGE	BHDD55	BCDD65	MET_DAYS
KPC	2	2019	1	1/1/2019	29951	114734118	3,831	455.4777742	0	33.07005072
KPC	2	2019	2	2/1/2019				607.5818683	0.132539516	29.54593217
KPC	2	2019	3	3/1/2019				456.1170183	1.814645968	29.32875058
KPC	2	2019	4	4/1/2019				226.3240414	14.2373621	30.21715864
KPC	2	2019	5	5/1/2019				52.94435511	46.55409597	29.76035411
KPC	2	2019	6	6/1/2019				6.464437634	142.4145282	30.73332464
KPC	2	2019	7	7/1/2019				0.013090323	289.0381406	30.47693173
KPC	2	2019	8	8/1/2019				0	324.9699852	29.3840858
KPC	2	2019	9	9/1/2019				0.145084409	262.6802306	30.35947568
KPC	2	2019	10	10/1/2019				19.46258253	90.02160296	29.69817529
KPC	2	2019	11	11/1/2019				145.8900089	12.43526102	29.57051399
KPC	2	2019	12	12/1/2019				376.6423973	1.243035215	32.25869922
KPC	2	2020	1	1/1/2020				564.4503462	0.187627957	32.97933789
KPC	2	2020	2	2/1/2020				607.5818683	0.132539516	29.54593217
KPC	2	2020	3	3/1/2020				456.1170183	1.814645968	29.32875058
KPC	2	2020	4	4/1/2020				226.3240414	14.2373621	30.21715864
KPC	2	2020	5	5/1/2020				52.94435511	46.55409597	29.76035411
KPC	2	2020	6	6/1/2020				6.464437634	142.4145282	30.73332464
KPC	2	2020	7	7/1/2020				0.013090323	289.0381406	30.47693173
KPC	2	2020	8	8/1/2020				0	324.9699852	29.3840858
KPC	2	2020	9	9/1/2020				0.145084409	262.6802306	30.35947568
KPC	2	2020	10	10/1/2020				19.46258253	90.02160296	29.69817529
KPC	2	2020	11	11/1/2020				145.8900089	12.43526102	29.57051399
KPC	2	2020	12	12/1/2020				376.6423973	1.243035215	32.25869922
KPC	2	2021	1	1/1/2021				564.4503462	0.187627957	32.97933789
KPC	2	2021	2	2/1/2021				607.5818683	0.132539516	29.54593217
KPC	2	2021	3	3/1/2021				456.1170183	1.814645968	29.32875058
KPC	2	2021	4	4/1/2021				226.3240414	14.2373621	30.21715864
KPC	2	2021	5	5/1/2021				52.94435511	46.55409597	29.76035411
KPC	2	2021	6	6/1/2021				6.464437634	142.4145282	30.73332464
KPC	2	2021	7	7/1/2021				0.013090323	289.0381406	30.47693173
KPC	2	2021	8	8/1/2021				0	324.9699852	29.3840858
KPC	2	2021	9	9/1/2021				0.145084409	262.6802306	30.35947568
KPC	2	2021	10	10/1/2021				19.46258253	90.02160296	29.69817529
KPC	2	2021	11	11/1/2021				145.8900089	12.43526102	29.57051399
KPC	2	2021	12	12/1/2021				376.6423973	1.243035215	32.25869922

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JURIS	revcls	YEAR	MONTH	time	CUST	KWH	USAGE	BHDD55	BCDD65	MET_DAYS
KPC	2	2022	1	1/1/2022				564.4503462	0.187627957	32.97933789
KPC	2	2022	2	2/1/2022				607.5818683	0.132539516	29.54593217
KPC	2	2022	3	3/1/2022				456.1170183	1.814645968	29.32875058
KPC	2	2022	4	4/1/2022				226.3240414	14.2373621	30.21715864
KPC	2	2022	5	5/1/2022				52.94435511	46.55409597	29.76035411
KPC	2	2022	6	6/1/2022				6.464437634	142.4145282	30.73332464
KPC	2	2022	7	7/1/2022				0.013090323	289.0381406	30.47693173
KPC	2	2022	8	8/1/2022				0	324.9699852	29.3840858
KPC	2	2022	9	9/1/2022				0.145084409	262.6802306	30.35947568
KPC	2	2022	10	10/1/2022				19.46258253	90.02160296	29.69817529
KPC	2	2022	11	11/1/2022				145.8900089	12.43526102	29.57051399
KPC	2	2022	12	12/1/2022				376.6423973	1.243035215	32.25869922
KPC	3.1	2009	1	1/1/2009	972	35968196		601.5657742	0	31.19211776
KPC	3.1	2009	2	2/1/2009	970	34678453		731.2745081	0	29.71592246
KPC	3.1	2009	3	3/1/2009	972	30745457		472.1024839	4.156177419	30.07761708
KPC	3.1	2009	4	4/1/2009	975	30294673		182.2500161	3.158040323	30.90484289
KPC	3.1	2009	5	5/1/2009	968	23651825		47.10879839	60.51001613	29.70779368
KPC	3.1	2009	6	6/1/2009	977	28930083		4.56525	121.7563629	30.55197462
KPC	3.1	2009	7	7/1/2009	966	30661653		0	209.9851371	31.24147264
KPC	3.1	2009	8	8/1/2009	972	14207045		0	216.5630242	30.64232215
KPC	3.1	2009	9	9/1/2009	966	33784911		0	207.0889032	29.9770058
KPC	3.1	2009	10	10/1/2009	967	57260462		32.97125	73.97668548	30.48718671
KPC	3.1	2009	11	11/1/2009	969	27758239		131.2959355	3.0435	29.26297136
KPC	3.1	2009	12	12/1/2009	971	31361174		344.6518306	0.196354839	32.33658768
KPC	3.1	2010	1	1/1/2010	970	31844694		710.3954435	0	31.56376427
KPC	3.1	2010	2	2/1/2010	968	34422005		710.4608952	0	29.05639324
KPC	3.1	2010	3	3/1/2010	981	28578796		582.1266452	0	29.67902465
KPC	3.1	2010	4	4/1/2010	971	28313408		135.6484677	24.26618548	30.06898645
KPC	3.1	2010	5	5/1/2010	970	28855803		35.24569355	38.10920161	29.21217726
KPC	3.1	2010	6	6/1/2010	984	44593505		5.710653226	185.6862258	30.68191245
KPC	3.1	2010	7	7/1/2010	970	29794229		0	334.1959355	30.69638487
KPC	3.1	2010	8	8/1/2010	969	43466914		0	389.9279839	30.32272036
KPC	3.1	2010	9	9/1/2010	965	29785934		0	275.6167419	30.2495807
KPC	3.1	2010	10	10/1/2010	957	22683057		11.24131452	103.4953629	30.24307208
KPC	3.1	2010	11	11/1/2010	962	39902075		119.9237177	9.981370968	30.33854088
KPC	3.1	2010	12	12/1/2010	951	28463337		488.1054032	0	31.52203188

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JURIS	revcls	YEAR	MONTH	time	CUST	KWH	USAGE	BHDD55	BCDD65	MET_DAYS
KPC	3.1	2011	1	1/1/2011	956	34568632		776.4852097	0	30.64465478
KPC	3.1	2011	2	2/1/2011	956	43804305		708.5791613	0	29.49787051
KPC	3.1	2011	3	3/1/2011	963	16109345		368.1816855	1.587201613	28.56145472
KPC	3.1	2011	4	4/1/2011	957	29566060		236.6403065	15.29931452	30.46416916
KPC	3.1	2011	5	5/1/2011	955	29622290		45.88158065	45.94703226	29.83759357
KPC	3.1	2011	6	6/1/2011	953	33805851		14.77570161	172.0559274	31.05698009
KPC	3.1	2011	7	7/1/2011	949	28697740		0	268.7606855	30.70797851
KPC	3.1	2011	8	8/1/2011	946	30158384		0	397.7658145	30.19008384
KPC	3.1	2011	9	9/1/2011	949	27282386		0.163629032	237.8511613	30.52631447
KPC	3.1	2011	10	10/1/2011	947	26038857		28.81507258	42.41264516	29.95185578
KPC	3.1	2011	11	11/1/2011	948	28415988		144.1899032	0.981774194	30.44695047
KPC	3.1	2011	12	12/1/2011	947	30935375		263.2791129	1.47266129	31.62634161
KPC	3.1	2012	1	1/1/2012	943	30073292		454.2341935	0	32.34184521
KPC	3.1	2012	2	2/1/2012	943	31184365		472.9042661	0	29.86604722
KPC	3.1	2012	3	3/1/2012	946	25501682		339.4975161	8.786879032	29.71898938
KPC	3.1	2012	4	4/1/2012	944	23707981		71.45679839	36.62017742	30.4367039
KPC	3.1	2012	5	5/1/2012	941	23524230		48.48328226	53.2448871	30.63949358
KPC	3.1	2012	6	6/1/2012	939	26769322		0.245443548	157.4929435	30.1328862
KPC	3.1	2012	7	7/1/2012	941	24968428		0	352.5714758	30.97567263
KPC	3.1	2012	8	8/1/2012	953	25566183		0	346.8444597	30.23945776
KPC	3.1	2012	9	9/1/2012	952	32302036		0.589064516	244.5108629	17.7262409
KPC	3.1	2012	10	10/1/2012	945	33693084		39.15642742	58.841	17.62226482
KPC	3.1	2012	11	11/1/2012	940	27513164		203.4399758	7.55966129	17.72306214
KPC	3.1	2012	12	12/1/2012	947	24736986		332.1342097	0	18.84742382
KPC	3.1	2013	1	1/1/2013	933	24069232		510.3262258	0	19.15382846
KPC	3.1	2013	2	2/1/2013	944	27411342		598.3259194	0	29.24147464
KPC	3.1	2013	3	3/1/2013	935	21489541		516.6586694	0	30.18071278
KPC	3.1	2013	4	4/1/2013	933	22726797		337.8775887	17.34467742	30.27024787
KPC	3.1	2013	5	5/1/2013	930	20422502		41.0708871	46.78154032	30.61249487
KPC	3.1	2013	6	6/1/2013	932	21021167		7.183314516	171.5159516	30.32261601
KPC	3.1	2013	7	7/1/2013	925	22821853		0	299.1793226	30.65289747
KPC	3.1	2013	8	8/1/2013	928	23331249		0	279.5438387	30.57182942
KPC	3.1	2013	9	9/1/2013	933	22146121		0	241.3528226	30.14979833
KPC	3.1	2013	10	10/1/2013	928	21032251		9.981370968	95.52662903	30.49892473
KPC	3.1	2013	11	11/1/2013	926	21753839		167.6215806	13.76120161	31.38947499
KPC	3.1	2013	12	12/1/2013	927	25994721		453.0560645	0.409072581	32.71647722

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JURIS	revcls	YEAR	MONTH	time	CUST	KWH	USAGE	BHDD55	BCDD65	MET_DAYS
KPC	3.1	2014	1	1/1/2014	929	25145435		604.0856613	0.785419355	31.38663547
KPC	3.1	2014	2	2/1/2014	930	23768452		802.0931532	0	28.33239417
KPC	3.1	2014	3	3/1/2014	932	23360080		572.7016129	0	30.41750718
KPC	3.1	2014	4	4/1/2014	930	22300144		279.9692742	6.201540323	30.21764825
KPC	3.1	2014	5	5/1/2014	932	22590842		34.36209677	33.4948629	30.46095139
KPC	3.1	2014	6	6/1/2014	930	23512267		9.490483871	129.34875	30.5090916
KPC	3.1	2014	7	7/1/2014	930	23882399		0	273.4404758	30.6605138
KPC	3.1	2014	8	8/1/2014	935	23139057		0	193.9985806	30.29116734
KPC	3.1	2014	9	9/1/2014	933	23394884		0	225.3499032	30.41366853
KPC	3.1	2014	10	10/1/2014	932	22000457		17.2301371	57.13925806	30.54932997
KPC	3.1	2014	11	11/1/2014	928	27397974		193.3277016	5.350669355	29.45855159
KPC	3.1	2014	12	12/1/2014	927	20248219		466.833629	0.016362903	30.80303467
KPC	3.1	2015	1	1/1/2015	928	24544885		574.4524435	0	32.6553444
KPC	3.1	2015	2	2/1/2015	921	21898754		717.9387419	0	29.19175062
KPC	3.1	2015	3	3/1/2015	930	21996602		754.1989355	0	30.68216213
KPC	3.1	2015	4	4/1/2015	929	22835096		212.6359274	4.696153226	30.26429022
KPC	3.1	2015	5	5/1/2015	923	22016932		52.44310484	51.31406452	30.55828662
KPC	3.1	2015	6	6/1/2015	929	20324631		1.783556452	188.3697419	30.76877718
KPC	3.1	2015	7	7/1/2015	933	20896150		0	267.6970968	30.34685763
KPC	3.1	2015	8	8/1/2015	924	19854344		0	284.2727177	30.48854232
KPC	3.1	2015	9	9/1/2015	922	20179421		0	216.7430161	30.25621693
KPC	3.1	2015	10	10/1/2015	916	19146050		17.50830645	68.70783065	30.71738921
KPC	3.1	2015	11	11/1/2015	919	16798220		101.106379	4.745241935	30.30523058
KPC	3.1	2015	12	12/1/2015	915	20317365		248.7815806	0.981774194	31.46781617
KPC	3.1	2016	1	1/1/2016	909	13834861		410.0052661	0	31.30271926
KPC	3.1	2016	2	2/1/2016	915	17940389		684.951129	0	29.39091974
KPC	3.1	2016	3	3/1/2016	912	25957924		385.8372581	1.227217742	30.54836164
KPC	3.1	2016	4	4/1/2016	909	16022495		138.3647097	9.114137097	30.13340811
KPC	3.1	2016	5	5/1/2016	903	16318164		46.12702419	48.2051129	29.8774818
KPC	3.1	2016	6	6/1/2016	904	19463451		10.79951613	163.2854113	30.86125733
KPC	3.1	2016	7	7/1/2016	902	19337396		0	304.0718306	30.31773005
KPC	3.1	2016	8	8/1/2016	898	18102858		0	406.7163226	30.69174029
KPC	3.1	2016	9	9/1/2016	896	19391370		0	374.2523226	30.327933
KPC	3.1	2016	10	10/1/2016	895	18566246		1.799919355	179.1737903	30.64519158
KPC	3.1	2016	11	11/1/2016	891	18136902		59.49551613	43.23079032	29.83213179
KPC	3.1	2016	12	12/1/2016	891	65169094		349.0861774	1.783556452	11.91905082

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JURIS	revcls	YEAR	MONTH	time	CUST	KWH	USAGE	BHDD55	BCDD65	MET_DAYS
KPC	3.1	2017	1	1/1/2017	890	17061970		470.5152823	0	31.51163976
KPC	3.1	2017	2	2/1/2017	886	23097519		392.10425	0	28.84189434
KPC	3.1	2017	3	3/1/2017	887	13946109		307.8843871	0.589064516	30.31301853
KPC	3.1	2017	4	4/1/2017	883	17373851		190.4969194	13.92483065	29.65159455
KPC	3.1	2017	5	5/1/2017	883	7068548		26.00065323	73.58397581	29.57000203
KPC	3.1	2017	6	6/1/2017	881	27177134		6.266991935	138.4137984	30.60538176
KPC	3.1	2017	7	7/1/2017	884	17932763		0	276.7621452	30.87708316
KPC	3.1	2017	8	8/1/2017	884	17998369		0	295.6940242	30.43665901
KPC	3.1	2017	9	9/1/2017	881	18161154		0	176.2775565	30.2968144
KPC	3.1	2017	10	10/1/2017	884	17689864		3.419846774	129.9869032	30.93651773
KPC	3.1	2017	11	11/1/2017	880	14689507		138.6101532	23.64439516	29.66335893
KPC	3.1	2017	12	12/1/2017	886	22132188		372.5505806	0.883596774	31.52670848
KPC	3.1	2018	1	1/1/2018	883	19377299		739.9304839	1.832645161	31.46102777
KPC	3.1	2018	2	2/1/2018	891	18992553		599.9294839	3.09258871	28.35147722
KPC	3.1	2018	3	3/1/2018	884	17022548		334.3759274	6.217903226	30.63160029
KPC	3.1	2018	4	4/1/2018	880	18312946		321.3674194	7.166951613	30.05805477
KPC	3.1	2018	5	5/1/2018	880	15482784		78.93464516	77.92014516	30.31741729
KPC	3.1	2018	6	6/1/2018	882	17229435		1.06358871	262.3627903	31.02489847
KPC	3.1	2018	7	7/1/2018	881	19108705		0	349.838871	30.36053836
KPC	3.1	2018	8	8/1/2018	884	14014844		0	319.403871	30.81162806
KPC	3.1	2018	9	9/1/2018	880	17395045		0	323.5109597	30.18878519
KPC	3.1	2018	10	10/1/2018	882	16712890		20.02819355	202.6381935	30.48244787
KPC	3.1	2018	11	11/1/2018	933	16928699		193.9985806	29.61685484	29.25770274
KPC	3.1	2018	12	12/1/2018	886	20281459		447.0345161	0.163629032	31.42587343
KPC	3.1	2019	1	1/1/2019	880	19579820		455.4777742	0	31.53307865
KPC	3.1	2019	2	2/1/2019				607.5818683	0.132539516	29.1998515
KPC	3.1	2019	3	3/1/2019				456.1170183	1.814645968	30.08127001
KPC	3.1	2019	4	4/1/2019				226.3240414	14.2373621	30.27114663
KPC	3.1	2019	5	5/1/2019				52.94435511	46.55409597	30.12035181
KPC	3.1	2019	6	6/1/2019				6.464437634	142.4145282	30.6118356
KPC	3.1	2019	7	7/1/2019				0.013090323	289.0381406	30.65467272
KPC	3.1	2019	8	8/1/2019				0	324.9699852	30.46007939
KPC	3.1	2019	9	9/1/2019				0.145084409	262.6802306	29.49833969
KPC	3.1	2019	10	10/1/2019				19.46258253	90.02160296	29.62230443
KPC	3.1	2019	11	11/1/2019				145.8900089	12.43526102	29.36895128
KPC	3.1	2019	12	12/1/2019				376.6423973	1.243035215	29.54895182

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JURIS	revcls	YEAR	MONTH	time	CUST	KWH	USAGE	BHDD55	BCDD65	MET_DAYS
KPC	3.1	2020	1	1/1/2020				564.4503462	0.187627957	30.7342016
KPC	3.1	2020	2	2/1/2020				607.5818683	0.132539516	29.1998515
KPC	3.1	2020	3	3/1/2020				456.1170183	1.814645968	30.08127001
KPC	3.1	2020	4	4/1/2020				226.3240414	14.2373621	30.27114663
KPC	3.1	2020	5	5/1/2020				52.94435511	46.55409597	30.12035181
KPC	3.1	2020	6	6/1/2020				6.464437634	142.4145282	30.6118356
KPC	3.1	2020	7	7/1/2020				0.013090323	289.0381406	30.65467272
KPC	3.1	2020	8	8/1/2020				0	324.9699852	30.46007939
KPC	3.1	2020	9	9/1/2020				0.145084409	262.6802306	29.49833969
KPC	3.1	2020	10	10/1/2020				19.46258253	90.02160296	29.62230443
KPC	3.1	2020	11	11/1/2020				145.8900089	12.43526102	29.36895128
KPC	3.1	2020	12	12/1/2020				376.6423973	1.243035215	29.54895182
KPC	3.1	2021	1	1/1/2021				564.4503462	0.187627957	30.7342016
KPC	3.1	2021	2	2/1/2021				607.5818683	0.132539516	29.1998515
KPC	3.1	2021	3	3/1/2021				456.1170183	1.814645968	30.08127001
KPC	3.1	2021	4	4/1/2021				226.3240414	14.2373621	30.27114663
KPC	3.1	2021	5	5/1/2021				52.94435511	46.55409597	30.12035181
KPC	3.1	2021	6	6/1/2021				6.464437634	142.4145282	30.6118356
KPC	3.1	2021	7	7/1/2021				0.013090323	289.0381406	30.65467272
KPC	3.1	2021	8	8/1/2021				0	324.9699852	30.46007939
KPC	3.1	2021	9	9/1/2021				0.145084409	262.6802306	29.49833969
KPC	3.1	2021	10	10/1/2021				19.46258253	90.02160296	29.62230443
KPC	3.1	2021	11	11/1/2021				145.8900089	12.43526102	29.36895128
KPC	3.1	2021	12	12/1/2021				376.6423973	1.243035215	29.54895182
KPC	3.1	2022	1	1/1/2022				564.4503462	0.187627957	30.7342016
KPC	3.1	2022	2	2/1/2022				607.5818683	0.132539516	29.1998515
KPC	3.1	2022	3	3/1/2022				456.1170183	1.814645968	30.08127001
KPC	3.1	2022	4	4/1/2022				226.3240414	14.2373621	30.27114663
KPC	3.1	2022	5	5/1/2022				52.94435511	46.55409597	30.12035181
KPC	3.1	2022	6	6/1/2022				6.464437634	142.4145282	30.6118356
KPC	3.1	2022	7	7/1/2022				0.013090323	289.0381406	30.65467272
KPC	3.1	2022	8	8/1/2022				0	324.9699852	30.46007939
KPC	3.1	2022	9	9/1/2022				0.145084409	262.6802306	29.49833969
KPC	3.1	2022	10	10/1/2022				19.46258253	90.02160296	29.62230443
KPC	3.1	2022	11	11/1/2022				145.8900089	12.43526102	29.36895128
KPC	3.1	2022	12	12/1/2022				376.6423973	1.243035215	29.54895182

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JURIS	revcls	YEAR	MONTH	time	CUST	KWH	USAGE	BHDD55	BCDD65	MET_DAYS	
KPC	3.15	2009	1	1/1/2009	463	99711964		601.5657742		0	33.40314202
KPC	3.15	2009	2	2/1/2009	470	97116723		731.2745081		0	29.84468349
KPC	3.15	2009	3	3/1/2009	469	95710097		472.1024839	4.156177419		29.06563462
KPC	3.15	2009	4	4/1/2009	459	87882897		182.2500161	3.158040323		30.71508904
KPC	3.15	2009	5	5/1/2009	457	76484951		47.10879839	60.51001613		30.10164548
KPC	3.15	2009	6	6/1/2009	461	73254005		4.56525	121.7563629		30.11969432
KPC	3.15	2009	7	7/1/2009	454	64624827		0	209.9851371		30.78164024
KPC	3.15	2009	8	8/1/2009	454	66622316		0	216.5630242		29.83706656
KPC	3.15	2009	9	9/1/2009	472	73012716		0	207.0889032		30.12303579
KPC	3.15	2009	10	10/1/2009	443	73614400		32.97125	73.97668548		29.68632786
KPC	3.15	2009	11	11/1/2009	447	76718784		131.2959355	3.0435		29.51475761
KPC	3.15	2009	12	12/1/2009	441	82490567		344.6518306	0.196354839		33.32768163
KPC	3.15	2010	1	1/1/2010	450	84324535		710.3954435	0		32.3203841
KPC	3.15	2010	2	2/1/2010	443	86779356		710.4608952	0		29.21533319
KPC	3.15	2010	3	3/1/2010	449	84139194		582.1266452	0		28.9371644
KPC	3.15	2010	4	4/1/2010	449	81822324		135.6484677	24.26618548		31.02794358
KPC	3.15	2010	5	5/1/2010	449	85868809		35.24569355	38.10920161		29.56154747
KPC	3.15	2010	6	6/1/2010	451	75245404		5.710653226	185.6862258		30.50746332
KPC	3.15	2010	7	7/1/2010	454	66371129		0	334.1959355		30.61433496
KPC	3.15	2010	8	8/1/2010	451	67066364		0	389.9279839		29.75543761
KPC	3.15	2010	9	9/1/2010	444	69552528		0	275.6167419		30.21293328
KPC	3.15	2010	10	10/1/2010	443	72908757		11.24131452	103.4953629		29.99072176
KPC	3.15	2010	11	11/1/2010	447	76399294		119.9237177	9.981370968		29.43659814
KPC	3.15	2010	12	12/1/2010	433	87982263		488.1054032	0		33.09494067
KPC	3.15	2011	1	1/1/2011	451	87344861		776.4852097	0		32.55372918
KPC	3.15	2011	2	2/1/2011	445	84707402		708.5791613	0		29.50522491
KPC	3.15	2011	3	3/1/2011	450	81557666		368.1816855	1.587201613		29.45827667
KPC	3.15	2011	4	4/1/2011	449	78544422		236.6403065	15.29931452		30.21933711
KPC	3.15	2011	5	5/1/2011	450	73831382		45.88158065	45.94703226		30.07509161
KPC	3.15	2011	6	6/1/2011	448	76649692		14.77570161	172.0559274		30.71527806
KPC	3.15	2011	7	7/1/2011	438	69892394		0	268.7606855		30.64885624
KPC	3.15	2011	8	8/1/2011	444	69374617		0	397.7658145		29.30918252
KPC	3.15	2011	9	9/1/2011	443	72679540		0.163629032	237.8511613		30.61715099
KPC	3.15	2011	10	10/1/2011	440	68090520		28.81507258	42.41264516		29.91052978
KPC	3.15	2011	11	11/1/2011	439	78934641		144.1899032	0.981774194		29.95484566
KPC	3.15	2011	12	12/1/2011	433	83853444		263.2791129	1.47266129		32.638785

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JURIS	revcls	YEAR	MONTH	time	CUST	KWH	USAGE	BHDD55	BCDD65	MET_DAYS
KPC	3.15	2012	1	1/1/2012	427	82433184		454.2341935	0	32.36024073
KPC	3.15	2012	2	2/1/2012	416	81400912		472.9042661	0	29.9387173
KPC	3.15	2012	3	3/1/2012	423	74318260		339.4975161	8.786879032	29.47091879
KPC	3.15	2012	4	4/1/2012	418	66982744		71.45679839	36.62017742	30.18041039
KPC	3.15	2012	5	5/1/2012	421	62546531		48.48328226	53.2448871	29.915981
KPC	3.15	2012	6	6/1/2012	416	59553092		0.245443548	157.4929435	30.85931134
KPC	3.15	2012	7	7/1/2012	415	48556968		0	352.5714758	30.35175128
KPC	3.15	2012	8	8/1/2012	411	50407819		0	346.8444597	29.67778749
KPC	3.15	2012	9	9/1/2012	407	52737612		0.589064516	244.5108629	30.56735347
KPC	3.15	2012	10	10/1/2012	407	51015022		39.15642742	58.841	29.71588088
KPC	3.15	2012	11	11/1/2012	403	54403977		203.4399758	7.55966129	30.52867229
KPC	3.15	2012	12	12/1/2012	399	59078604		332.1342097	0	31.92361405
KPC	3.15	2013	1	1/1/2013	411	61930004		510.3262258	0	32.54697818
KPC	3.15	2013	2	2/1/2013	399	63773105		598.3259194	0	29.55548552
KPC	3.15	2013	3	3/1/2013	390	61440335		516.6586694	0	29.05439887
KPC	3.15	2013	4	4/1/2013	399	59328643		337.8775887	17.34467742	30.52186778
KPC	3.15	2013	5	5/1/2013	389	51510516		41.0708871	46.78154032	29.68647363
KPC	3.15	2013	6	6/1/2013	384	47788089		7.183314516	171.5159516	30.76045288
KPC	3.15	2013	7	7/1/2013	382	45499389		0	299.1793226	30.22642342
KPC	3.15	2013	8	8/1/2013	374	48436896		0	279.5438387	29.55670049
KPC	3.15	2013	9	9/1/2013	368	48276566		0	241.3528226	30.83563099
KPC	3.15	2013	10	10/1/2013	365	43997918		9.981370968	95.52662903	29.4029658
KPC	3.15	2013	11	11/1/2013	366	47248280		167.6215806	13.76120161	29.40702717
KPC	3.15	2013	12	12/1/2013	364	53745457		453.0560645	0.409072581	33.27108259
KPC	3.15	2014	1	1/1/2014	361	54345856		604.0856613	0.785419355	32.65669172
KPC	3.15	2014	2	2/1/2014	362	53308064		802.0931532	0	29.41057904
KPC	3.15	2014	3	3/1/2014	364	54161288		572.7016129	0	29.00570886
KPC	3.15	2014	4	4/1/2014	357	48006991		279.9692742	6.201540323	29.07952926
KPC	3.15	2014	5	5/1/2014	369	46972885		34.36209677	33.4948629	26.91397951
KPC	3.15	2014	6	6/1/2014	359	45163277		9.490483871	129.34875	29.78423246
KPC	3.15	2014	7	7/1/2014	360	40530056		0	273.4404758	30.56466794
KPC	3.15	2014	8	8/1/2014	351	42789384		0	193.9985806	29.7995047
KPC	3.15	2014	9	9/1/2014	348	43536878		0	225.3499032	27.34669409
KPC	3.15	2014	10	10/1/2014	357	43415677		17.2301371	57.13925806	28.59559756
KPC	3.15	2014	11	11/1/2014	343	47947722		193.3277016	5.350669355	29.73700888
KPC	3.15	2014	12	12/1/2014	338	53629878		466.833629	0.016362903	33.01698458

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JURIS	revcls	YEAR	MONTH	time	CUST	KWH	USAGE	BHDD55	BCDD65	MET_DAYS
KPC	3.15	2015	1	1/1/2015	348	53304991		574.4524435	0	32.17424687
KPC	3.15	2015	2	2/1/2015	335	49216455		717.9387419	0	29.52311044
KPC	3.15	2015	3	3/1/2015	334	49328604		754.1989355	0	29.43087112
KPC	3.15	2015	4	4/1/2015	332	47586950		212.6359274	4.696153226	31.01212147
KPC	3.15	2015	5	5/1/2015	327	41156461		52.44310484	51.31406452	29.92404576
KPC	3.15	2015	6	6/1/2015	326	40354721		1.783556452	188.3697419	29.98208008
KPC	3.15	2015	7	7/1/2015	328	36191041		0	267.6970968	31.06260072
KPC	3.15	2015	8	8/1/2015	323	35813152		0	284.2727177	26.96688399
KPC	3.15	2015	9	9/1/2015	313	36505707		0	216.7430161	29.97135243
KPC	3.15	2015	10	10/1/2015	312	35759514		17.50830645	68.70783065	29.95053567
KPC	3.15	2015	11	11/1/2015	306	35813911		101.106379	4.745241935	29.01067628
KPC	3.15	2015	12	12/1/2015	298	35379601		248.7815806	0.981774194	32.62338497
KPC	3.15	2016	1	1/1/2016	294	37076139		410.0052661	0	32.50239487
KPC	3.15	2016	2	2/1/2016	307	33983320		684.951129	0	28.19092467
KPC	3.15	2016	3	3/1/2016	294	34247311		385.8372581	1.227217742	29.42764481
KPC	3.15	2016	4	4/1/2016	285	29786447		138.3647097	9.114137097	30.73997414
KPC	3.15	2016	5	5/1/2016	284	24445902		46.12702419	48.2051129	29.08997033
KPC	3.15	2016	6	6/1/2016	286	23764131		10.79951613	163.2854113	30.65490055
KPC	3.15	2016	7	7/1/2016	273	21615731		0	304.0718306	30.82835953
KPC	3.15	2016	8	8/1/2016	268	21757201		0	406.7163226	29.19996101
KPC	3.15	2016	9	9/1/2016	265	22882603		0	374.2523226	30.66744631
KPC	3.15	2016	10	10/1/2016	260	22948728		1.799919355	179.1737903	30.08238496
KPC	3.15	2016	11	11/1/2016	263	25597459		59.49551613	43.23079032	29.16281318
KPC	3.15	2016	12	12/1/2016	262	31893889		349.0861774	1.783556452	33.37480965
KPC	3.15	2017	1	1/1/2017	256	32963958		470.5152823	0	32.13181432
KPC	3.15	2017	2	2/1/2017	255	31786740		392.10425	0	29.7545089
KPC	3.15	2017	3	3/1/2017	263	30443376		307.8843871	0.589064516	29.75455613
KPC	3.15	2017	4	4/1/2017	262	27829647		190.4969194	13.92483065	29.47915653
KPC	3.15	2017	5	5/1/2017	257	25268635		26.00065323	73.58397581	29.18286935
KPC	3.15	2017	6	6/1/2017	262	25344727		6.266991935	138.4137984	30.59829654
KPC	3.15	2017	7	7/1/2017	267	24096690		0	276.7621452	30.76958307
KPC	3.15	2017	8	8/1/2017	269	24746963		0	295.6940242	29.51262447
KPC	3.15	2017	9	9/1/2017	251	24523776		0	176.2775565	30.57623226
KPC	3.15	2017	10	10/1/2017	257	23829220		3.419846774	129.9869032	29.83730262
KPC	3.15	2017	11	11/1/2017	260	25441809		138.6101532	23.64439516	29.23056288
KPC	3.15	2017	12	12/1/2017	255	30597885		372.5505806	0.883596774	33.41906316

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JURIS	revcls	YEAR	MONTH	time	CUST	KWH	USAGE	BHDD55	BCDD65	MET_DAYS
KPC	3.15	2018	1	1/1/2018	254	30731337		739.9304839	1.832645161	31.99658703
KPC	3.15	2018	2	2/1/2018	253	28704714		599.9294839	3.09258871	29.68785626
KPC	3.15	2018	3	3/1/2018	255	27507903		334.3759274	6.217903226	29.51750622
KPC	3.15	2018	4	4/1/2018	253	27762292		321.3674194	7.166951613	30.58938672
KPC	3.15	2018	5	5/1/2018	250	24834008		78.93464516	77.92014516	29.30124443
KPC	3.15	2018	6	6/1/2018	250	24176151		1.06358871	262.3627903	31.31492208
KPC	3.15	2018	7	7/1/2018	252	21458371		0	349.838871	30.38164285
KPC	3.15	2018	8	8/1/2018	248	22579289		0	319.403871	29.21728386
KPC	3.15	2018	9	9/1/2018	249	23090143		0	323.5109597	30.78706652
KPC	3.15	2018	10	10/1/2018	254	22513436		20.02819355	202.6381935	29.22698703
KPC	3.15	2018	11	11/1/2018	248	24982724		193.9985806	29.61685484	30.62475818
KPC	3.15	2018	12	12/1/2018	252	29153856		447.0345161	0.163629032	31.91835749
KPC	3.15	2019	1	1/1/2019	249	29418133		455.4777742	0	32.55015067
KPC	3.15	2019	2	2/1/2019				607.5818683	0.132539516	29.42989587
KPC	3.15	2019	3	3/1/2019				456.1170183	1.814645968	29.41647449
KPC	3.15	2019	4	4/1/2019				226.3240414	14.2373621	30.20893561
KPC	3.15	2019	5	5/1/2019				52.94435511	46.55409597	29.34310119
KPC	3.15	2019	6	6/1/2019				6.464437634	142.4145282	30.42736189
KPC	3.15	2019	7	7/1/2019				0.013090323	289.0381406	30.60146849
KPC	3.15	2019	8	8/1/2019				0	324.9699852	29.24474865
KPC	3.15	2019	9	9/1/2019				0.145084409	262.6802306	30.36503545
KPC	3.15	2019	10	10/1/2019				19.46258253	90.02160296	29.5833087
KPC	3.15	2019	11	11/1/2019				145.8900089	12.43526102	29.76600493
KPC	3.15	2019	12	12/1/2019				376.6423973	1.243035215	32.818102
KPC	3.15	2020	1	1/1/2020				564.4503462	0.187627957	32.42532385
KPC	3.15	2020	2	2/1/2020				607.5818683	0.132539516	29.42989587
KPC	3.15	2020	3	3/1/2020				456.1170183	1.814645968	29.41647449
KPC	3.15	2020	4	4/1/2020				226.3240414	14.2373621	30.20893561
KPC	3.15	2020	5	5/1/2020				52.94435511	46.55409597	29.34310119
KPC	3.15	2020	6	6/1/2020				6.464437634	142.4145282	30.42736189
KPC	3.15	2020	7	7/1/2020				0.013090323	289.0381406	30.60146849
KPC	3.15	2020	8	8/1/2020				0	324.9699852	29.24474865
KPC	3.15	2020	9	9/1/2020				0.145084409	262.6802306	30.36503545
KPC	3.15	2020	10	10/1/2020				19.46258253	90.02160296	29.5833087
KPC	3.15	2020	11	11/1/2020				145.8900089	12.43526102	29.76600493
KPC	3.15	2020	12	12/1/2020				376.6423973	1.243035215	32.818102

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JURIS	revcls	YEAR	MONTH	time	CUST	KWH	USAGE	BHDD55	BCDD65	MET_DAYS
KPC	3.15	2021	1	1/1/2021				564.4503462	0.187627957	32.42532385
KPC	3.15	2021	2	2/1/2021				607.5818683	0.132539516	29.42989587
KPC	3.15	2021	3	3/1/2021				456.1170183	1.814645968	29.41647449
KPC	3.15	2021	4	4/1/2021				226.3240414	14.2373621	30.20893561
KPC	3.15	2021	5	5/1/2021				52.94435511	46.55409597	29.34310119
KPC	3.15	2021	6	6/1/2021				6.464437634	142.4145282	30.42736189
KPC	3.15	2021	7	7/1/2021				0.013090323	289.0381406	30.60146849
KPC	3.15	2021	8	8/1/2021				0	324.9699852	29.24474865
KPC	3.15	2021	9	9/1/2021				0.145084409	262.6802306	30.36503545
KPC	3.15	2021	10	10/1/2021				19.46258253	90.02160296	29.5833087
KPC	3.15	2021	11	11/1/2021				145.8900089	12.43526102	29.76600493
KPC	3.15	2021	12	12/1/2021				376.6423973	1.243035215	32.818102
KPC	3.15	2022	1	1/1/2022				564.4503462	0.187627957	32.42532385
KPC	3.15	2022	2	2/1/2022				607.5818683	0.132539516	29.42989587
KPC	3.15	2022	3	3/1/2022				456.1170183	1.814645968	29.41647449
KPC	3.15	2022	4	4/1/2022				226.3240414	14.2373621	30.20893561
KPC	3.15	2022	5	5/1/2022				52.94435511	46.55409597	29.34310119
KPC	3.15	2022	6	6/1/2022				6.464437634	142.4145282	30.42736189
KPC	3.15	2022	7	7/1/2022				0.013090323	289.0381406	30.60146849
KPC	3.15	2022	8	8/1/2022				0	324.9699852	29.24474865
KPC	3.15	2022	9	9/1/2022				0.145084409	262.6802306	30.36503545
KPC	3.15	2022	10	10/1/2022				19.46258253	90.02160296	29.5833087
KPC	3.15	2022	11	11/1/2022				145.8900089	12.43526102	29.76600493
KPC	3.15	2022	12	12/1/2022				376.6423973	1.243035215	32.818102
KPC	4	2009	1	1/1/2009	375	973879		601.5657742	0	30.99759733
KPC	4	2009	2	2/1/2009	376	918535		731.2745081	0	30.60098155
KPC	4	2009	3	3/1/2009	380	986969		472.1024839	4.156177419	29.79033112
KPC	4	2009	4	4/1/2009	373	742340		182.2500161	3.158040323	30.90888828
KPC	4	2009	5	5/1/2009	372	657944		47.10879839	60.51001613	30.06944996
KPC	4	2009	6	6/1/2009	373	686851		4.56525	121.7563629	30.09764756
KPC	4	2009	7	7/1/2009	370	620245		0	209.9851371	31.3129975
KPC	4	2009	8	8/1/2009	369	677799		0	216.5630242	29.90747189
KPC	4	2009	9	9/1/2009	379	914641		0	207.0889032	30.0227771
KPC	4	2009	10	10/1/2009	375	974257		32.97125	73.97668548	30.6453721
KPC	4	2009	11	11/1/2009	366	995481		131.2959355	3.0435	29.56520271
KPC	4	2009	12	12/1/2009	366	1089040		344.6518306	0.196354839	33.17911635

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JURIS	revcls	YEAR	MONTH	time	CUST	KWH	USAGE	BHDD55	BCDD65	MET_DAYS
KPC	4	2010	1	1/1/2010	362	901763		710.3954435	0	30.90163747
KPC	4	2010	2	2/1/2010	367	1100198		710.4608952	0	28.8601716
KPC	4	2010	3	3/1/2010	363	904182		582.1266452	0	31.00084054
KPC	4	2010	4	4/1/2010	369	782064		135.6484677	24.26618548	30.15651634
KPC	4	2010	5	5/1/2010	372	706019		35.24569355	38.10920161	29.50392452
KPC	4	2010	6	6/1/2010	388	516420		5.710653226	185.6862258	31.3822179
KPC	4	2010	7	7/1/2010	406	861115		0	334.1959355	30.42439462
KPC	4	2010	8	8/1/2010	412	742461		0	389.9279839	29.98068196
KPC	4	2010	9	9/1/2010	411	786798		0	275.6167419	30.96833774
KPC	4	2010	10	10/1/2010	414	940673		11.24131452	103.4953629	29.58446462
KPC	4	2010	11	11/1/2010	417	1027887		119.9237177	9.981370968	29.73014262
KPC	4	2010	12	12/1/2010	410	1044871		488.1054032	0	32.96648388
KPC	4	2011	1	1/1/2011	407	993127		776.4852097	0	30.64232262
KPC	4	2011	2	2/1/2011	402	761295		708.5791613	0	29.29849658
KPC	4	2011	3	3/1/2011	411	1035107		368.1816855	1.587201613	39.19228291
KPC	4	2011	4	4/1/2011	434	1019921		236.6403065	15.29931452	25.77048099
KPC	4	2011	5	5/1/2011	413	709717		45.88158065	45.94703226	30.27271834
KPC	4	2011	6	6/1/2011	412	657682		14.77570161	172.0559274	30.92649824
KPC	4	2011	7	7/1/2011	411	631615		0	268.7606855	30.55328798
KPC	4	2011	8	8/1/2011	407	708430		0	397.7658145	30.13435853
KPC	4	2011	9	9/1/2011	407	854288		0.163629032	237.8511613	30.7502427
KPC	4	2011	10	10/1/2011	420	1073815		28.81507258	42.41264516	31.73076835
KPC	4	2011	11	11/1/2011	407	1026425		144.1899032	0.981774194	30.08368801
KPC	4	2011	12	12/1/2011	405	1119114		263.2791129	1.47266129	31.13880231
KPC	4	2012	1	1/1/2012	405	1112174		454.2341935	0	31.48048013
KPC	4	2012	2	2/1/2012	404	946441		472.9042661	0	29.17062902
KPC	4	2012	3	3/1/2012	404	931483		339.4975161	8.786879032	30.54660138
KPC	4	2012	4	4/1/2012	402	799841		71.45679839	36.62017742	30.17705287
KPC	4	2012	5	5/1/2012	401	717805		48.48328226	53.2448871	30.88393735
KPC	4	2012	6	6/1/2012	401	651383		0.245443548	157.4929435	29.97410632
KPC	4	2012	7	7/1/2012	399	686310		0	352.5714758	31.2442684
KPC	4	2012	8	8/1/2012	399	746731		0	346.84444597	30.56853938
KPC	4	2012	9	9/1/2012	398	836800		0.589064516	244.5108629	29.97552049
KPC	4	2012	10	10/1/2012	399	962150		39.15642742	58.841	30.98500483
KPC	4	2012	11	11/1/2012	399	1018817		203.4399758	7.55966129	29.93545777
KPC	4	2012	12	12/1/2012	395	1114766		332.1342097	0	31.20637635

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	KWH	USAGE	BHDD55	BCDD65	MET_DAYS
KPC	4	2013	1	1/1/2013	393	1121564		510.3262258	0	31.45901889
KPC	4	2013	2	2/1/2013	392	949539		598.3259194	0	28.32796526
KPC	4	2013	3	3/1/2013	391	937675		516.6586694	0	30.27650508
KPC	4	2013	4	4/1/2013	389	810628		337.8775887	17.34467742	30.58839835
KPC	4	2013	5	5/1/2013	390	721502		41.0708871	46.78154032	30.6315783
KPC	4	2013	6	6/1/2013	388	660153		7.183314516	171.5159516	29.92099267
KPC	4	2013	7	7/1/2013	388	690673		0	299.1793226	31.26442705
KPC	4	2013	8	8/1/2013	387	759430		0	279.5438387	30.49904287
KPC	4	2013	9	9/1/2013	376	842545		0	241.3528226	30.23524023
KPC	4	2013	10	10/1/2013	376	963080		9.981370968	95.52662903	30.7199995
KPC	4	2013	11	11/1/2013	375	1024112		167.6215806	13.76120161	29.53323094
KPC	4	2013	12	12/1/2013	373	1128657		453.0560645	0.409072581	31.79371759
KPC	4	2014	1	1/1/2014	373	1123713		604.0856613	0.785419355	31.48009758
KPC	4	2014	2	2/1/2014	374	946371		802.0931532	0	28.26762357
KPC	4	2014	3	3/1/2014	373	934962		572.7016129	0	30.7454478
KPC	4	2014	4	4/1/2014	372	794135		279.9692742	6.201540323	29.8975587
KPC	4	2014	5	5/1/2014	370	718158		34.36209677	33.4948629	30.80513693
KPC	4	2014	6	6/1/2014	370	652025		9.490483871	129.34875	30.29506625
KPC	4	2014	7	7/1/2014	369	678569		0	273.4404758	30.87633364
KPC	4	2014	8	8/1/2014	369	759207		0	193.9985806	30.49385102
KPC	4	2014	9	9/1/2014	369	814061		0	225.3499032	30.42971406
KPC	4	2014	10	10/1/2014	365	954261		17.2301371	57.13925806	30.69289072
KPC	4	2014	11	11/1/2014	365	1019983		193.3277016	5.350669355	29.30285021
KPC	4	2014	12	12/1/2014	365	1123409		466.833629	0.016362903	31.94924108
KPC	4	2015	1	1/1/2015	363	1118280		574.4524435	0	31.367186
KPC	4	2015	2	2/1/2015	364	941928		717.9387419	0	28.31485007
KPC	4	2015	3	3/1/2015	364	929437		754.1989355	0	30.82967322
KPC	4	2015	4	4/1/2015	364	802542		212.6359274	4.696153226	30.27408977
KPC	4	2015	5	5/1/2015	362	708804		52.44310484	51.31406452	30.42266789
KPC	4	2015	6	6/1/2015	310	255884		1.783556452	188.3697419	30.64452507
KPC	4	2015	7	7/1/2015	414	680614		0	267.6970968	30.64816669
KPC	4	2015	8	8/1/2015	359	757152		0	284.2727177	30.64944339
KPC	4	2015	9	9/1/2015	358	835882		0	216.7430161	30.07547283
KPC	4	2015	10	10/1/2015	357	964410		17.50830645	68.70783065	30.61110689
KPC	4	2015	11	11/1/2015	357	1014059		101.106379	4.745241935	30.06092467
KPC	4	2015	12	12/1/2015	352	1111202		248.7815806	0.981774194	31.22538392

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	KWH	USAGE	BHDD55	BCDD65	MET_DAYS
KPC	4	2016	1	1/1/2016	352	1110997		410.0052661	0	31.20973383
KPC	4	2016	2	2/1/2016	351	935748		684.951129	0	29.37416165
KPC	4	2016	3	3/1/2016	350	918910		385.8372581	1.227217742	30.69874777
KPC	4	2016	4	4/1/2016	352	792836		138.3647097	9.114137097	30.01965429
KPC	4	2016	5	5/1/2016	351	702341		46.12702419	48.2051129	30.79574134
KPC	4	2016	6	6/1/2016	350	638996		10.79951613	163.2854113	30.15331949
KPC	4	2016	7	7/1/2016	349	672416		0	304.0718306	30.67580286
KPC	4	2016	8	8/1/2016	347	749918		0	406.7163226	31.02562774
KPC	4	2016	9	9/1/2016	372	844946		0	374.2523226	30.10870898
KPC	4	2016	10	10/1/2016	347	951868		1.799919355	179.1737903	30.76589627
KPC	4	2016	11	11/1/2016	347	1013528		59.49551613	43.23079032	29.96958404
KPC	4	2016	12	12/1/2016	346	1108751		349.0861774	1.783556452	31.05403906
KPC	4	2017	1	1/1/2017	347	1108545		470.5152823	0	31.66165694
KPC	4	2017	2	2/1/2017	347	935689		392.10425	0	28.30263755
KPC	4	2017	3	3/1/2017	348	925241		307.8843871	0.589064516	30.69316365
KPC	4	2017	4	4/1/2017	346	789862		190.4969194	13.92483065	29.58470344
KPC	4	2017	5	5/1/2017	345	706198		26.00065323	73.58397581	30.92817028
KPC	4	2017	6	6/1/2017	345	642733		6.266991935	138.4137984	30.14868362
KPC	4	2017	7	7/1/2017	345	676515		0	276.7621452	30.96214881
KPC	4	2017	8	8/1/2017	345	749050		0	295.6940242	30.69707312
KPC	4	2017	9	9/1/2017	341	831594		0	176.2775565	29.95429023
KPC	4	2017	10	10/1/2017	343	949815		3.419846774	129.9869032	30.9212727
KPC	4	2017	11	11/1/2017	343	1011191		138.6101532	23.64439516	30.00729472
KPC	4	2017	12	12/1/2017	343	1105533		372.5505806	0.883596774	30.92542097
KPC	4	2018	1	1/1/2018	342	1105854		739.9304839	1.832645161	31.73883907
KPC	4	2018	2	2/1/2018	342	934669		599.9294839	3.09258871	28.31462268
KPC	4	2018	3	3/1/2018	342	920049		334.3759274	6.217903226	30.39624944
KPC	4	2018	4	4/1/2018	342	796521		321.3674194	7.166951613	30.51542142
KPC	4	2018	5	5/1/2018	341	701642		78.93464516	77.92014516	30.65867545
KPC	4	2018	6	6/1/2018	296	644760		1.06358871	262.3627903	30.49218312
KPC	4	2018	7	7/1/2018	378	670202		0	349.838871	30.62240415
KPC	4	2018	8	8/1/2018	333	745266		0	319.403871	30.78057069
KPC	4	2018	9	9/1/2018	332	822338		0	323.5109597	29.75644631
KPC	4	2018	10	10/1/2018	332	930459		20.02819355	202.6381935	30.96093603
KPC	4	2018	11	11/1/2018	331	989380		193.9985806	29.61685484	30.00620539
KPC	4	2018	12	12/1/2018	331	1084094		447.0345161	0.163629032	31.23247783

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Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	KWH	USAGE	BHDD55	BCDD65	MET_DAYS
KPC	4	2019	1	1/1/2019	330	1075464		455.4777742	0	31.41507279
KPC	4	2019	2	2/1/2019				607.5818683	0.132539516	28.83304382
KPC	4	2019	3	3/1/2019				456.1170183	1.814645968	31.12688051
KPC	4	2019	4	4/1/2019				226.3240414	14.2373621	29.90465901
KPC	4	2019	5	5/1/2019				52.94435511	46.55409597	30.41645353
KPC	4	2019	6	6/1/2019				6.464437634	142.4145282	30.28639496
KPC	4	2019	7	7/1/2019				0.013090323	289.0381406	30.86393603
KPC	4	2019	8	8/1/2019				0	324.9699852	30.46262891
KPC	4	2019	9	9/1/2019				0.145084409	262.6802306	30.22032502
KPC	4	2019	10	10/1/2019				19.46258253	90.02160296	30.66227686
KPC	4	2019	11	11/1/2019				145.8900089	12.43526102	29.93415826
KPC	4	2019	12	12/1/2019				376.6423973	1.243035215	31.61869724
KPC	4	2020	1	1/1/2020				564.4503462	0.187627957	31.37852529
KPC	4	2020	2	2/1/2020				607.5818683	0.132539516	28.83304382
KPC	4	2020	3	3/1/2020				456.1170183	1.814645968	31.12688051
KPC	4	2020	4	4/1/2020				226.3240414	14.2373621	29.90465901
KPC	4	2020	5	5/1/2020				52.94435511	46.55409597	30.41645353
KPC	4	2020	6	6/1/2020				6.464437634	142.4145282	30.28639496
KPC	4	2020	7	7/1/2020				0.013090323	289.0381406	30.86393603
KPC	4	2020	8	8/1/2020				0	324.9699852	30.46262891
KPC	4	2020	9	9/1/2020				0.145084409	262.6802306	30.22032502
KPC	4	2020	10	10/1/2020				19.46258253	90.02160296	30.66227686
KPC	4	2020	11	11/1/2020				145.8900089	12.43526102	29.93415826
KPC	4	2020	12	12/1/2020				376.6423973	1.243035215	31.61869724
KPC	4	2021	1	1/1/2021				564.4503462	0.187627957	31.37852529
KPC	4	2021	2	2/1/2021				607.5818683	0.132539516	28.83304382
KPC	4	2021	3	3/1/2021				456.1170183	1.814645968	31.12688051
KPC	4	2021	4	4/1/2021				226.3240414	14.2373621	29.90465901
KPC	4	2021	5	5/1/2021				52.94435511	46.55409597	30.41645353
KPC	4	2021	6	6/1/2021				6.464437634	142.4145282	30.28639496
KPC	4	2021	7	7/1/2021				0.013090323	289.0381406	30.86393603
KPC	4	2021	8	8/1/2021				0	324.9699852	30.46262891
KPC	4	2021	9	9/1/2021				0.145084409	262.6802306	30.22032502
KPC	4	2021	10	10/1/2021				19.46258253	90.02160296	30.66227686
KPC	4	2021	11	11/1/2021				145.8900089	12.43526102	29.93415826
KPC	4	2021	12	12/1/2021				376.6423973	1.243035215	31.61869724

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	time	CUST	KWH	USAGE	BHDD55	BCDD65	MET_DAYS
KPC	4	2022	1	1/1/2022				564.4503462	0.187627957	31.37852529
KPC	4	2022	2	2/1/2022				607.5818683	0.132539516	28.83304382
KPC	4	2022	3	3/1/2022				456.1170183	1.814645968	31.12688051
KPC	4	2022	4	4/1/2022				226.3240414	14.2373621	29.90465901
KPC	4	2022	5	5/1/2022				52.94435511	46.55409597	30.41645353
KPC	4	2022	6	6/1/2022				6.464437634	142.4145282	30.28639496
KPC	4	2022	7	7/1/2022				0.013090323	289.0381406	30.86393603
KPC	4	2022	8	8/1/2022				0	324.9699852	30.46262891
KPC	4	2022	9	9/1/2022				0.145084409	262.6802306	30.22032502
KPC	4	2022	10	10/1/2022				19.46258253	90.02160296	30.66227686
KPC	4	2022	11	11/1/2022				145.8900089	12.43526102	29.93415826
KPC	4	2022	12	12/1/2022				376.6423973	1.243035215	31.61869724

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	BASE	res1	res2	res3	res4	com1
KPC	1	2009	1	15223896.8	0	0	0	0	0
KPC	1	2009	2	15929690.3	0	0	0	0	0
KPC	1	2009	3	12055138.3	0	0	0	0	0
KPC	1	2009	4	9253078.69	0	0	0	0	0
KPC	1	2009	5	7579605.36	0	0	0	0	0
KPC	1	2009	6	8113762.23	0	0	0	0	0
KPC	1	2009	7	9522229.28	0	0	0	0	0
KPC	1	2009	8	8958405.42	0	0	0	0	0
KPC	1	2009	9	8623503.49	0	0	0	0	0
KPC	1	2009	10	7542442.16	0	0	0	0	0
KPC	1	2009	11	8479017.63	0	0	0	0	0
KPC	1	2009	12	11568104.4	0	0	0	0	0
KPC	1	2010	1	17078530	0	0	0	0	0
KPC	1	2010	2	15860866.8	0	0	0	0	0
KPC	1	2010	3	13724272.9	0	0	0	0	0
KPC	1	2010	4	8862569.91	0	0	0	0	0
KPC	1	2010	5	7219791.46	0	0	0	0	0
KPC	1	2010	6	8995807.96	0	0	0	0	0
KPC	1	2010	7	12937402.5	0	0	0	0	0
KPC	1	2010	8	14773421.6	0	0	0	0	0
KPC	1	2010	9	12279343.5	0	0	0	0	0
KPC	1	2010	10	10048106.7	0	0	0	0	0
KPC	1	2010	11	10556161.7	0	0	0	0	0
KPC	1	2010	12	18229282.4	0	0	0	0	0
KPC	1	2011	1	24241947.5	0	0	0	0	0
KPC	1	2011	2	18920117.9	0	0	0	0	1
KPC	1	2011	3	13833504.4	0	0	0	0	0
KPC	1	2011	4	12262093.7	0	0	0	0	0
KPC	1	2011	5	9861836.12	0	0	0	0	0
KPC	1	2011	6	11792676.7	0	0	0	0	0
KPC	1	2011	7	12618862	0	0	0	0	0
KPC	1	2011	8	13939768.7	0	0	0	0	0
KPC	1	2011	9	11313393.7	0	0	0	0	0
KPC	1	2011	10	8946867.71	0	0	0	0	0
KPC	1	2011	11	10685731.7	0	0	0	0	0
KPC	1	2011	12	14364709.7	0	0	0	0	0

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	BASE	res1	res2	res3	res4	com1
KPC	1	2012	1	17786270.8	0	0	0	0	0
KPC	1	2012	2	15829309.3	0	0	0	0	0
KPC	1	2012	3	12755339.4	0	0	0	0	0
KPC	1	2012	4	9384414.96	0	0	0	0	0
KPC	1	2012	5	9052187.2	0	0	0	0	0
KPC	1	2012	6	10216254.9	0	0	0	0	0
KPC	1	2012	7	11889866.1	0	0	0	0	0
KPC	1	2012	8	12064375.5	0	0	0	0	0
KPC	1	2012	9	11195275.2	0	0	0	0	0
KPC	1	2012	10	8921207.95	0	0	0	0	0
KPC	1	2012	11	10631341.7	0	0	0	0	0
KPC	1	2012	12	14456460.5	0	0	0	0	0
KPC	1	2013	1	17136405.9	0	0	0	0	0
KPC	1	2013	2	16538356.3	0	0	0	0	0
KPC	1	2013	3	15688173.5	0	0	0	0	0
KPC	1	2013	4	13602150.3	0	0	0	0	0
KPC	1	2013	5	9037530.3	0	0	0	0	0
KPC	1	2013	6	9839217.55	0	0	0	0	0
KPC	1	2013	7	11092846.9	0	0	0	0	0
KPC	1	2013	8	10927768.9	0	0	0	0	0
KPC	1	2013	9	10652197	0	0	0	0	0
KPC	1	2013	10	8604498.53	0	0	0	0	0
KPC	1	2013	11	10169722.8	0	0	0	0	0
KPC	1	2013	12	15670357.6	0	0	0	0	0
KPC	1	2014	1	21321110.9	1	0	0	0	0
KPC	1	2014	2	21878357.8	0	0	1	0	0
KPC	1	2014	3	17869235.9	0	0	0	0	0
KPC	1	2014	4	11892052.3	0	0	0	0	0
KPC	1	2014	5	9783600.19	0	0	0	0	0
KPC	1	2014	6	10912933.7	0	0	0	0	0
KPC	1	2014	7	13106886.2	0	0	0	0	0
KPC	1	2014	8	12506603.5	0	0	0	0	0
KPC	1	2014	9	12377169.4	0	0	0	0	0
KPC	1	2014	10	9078517.1	0	0	0	0	0
KPC	1	2014	11	11092581.9	0	0	0	0	0
KPC	1	2014	12	18246616.5	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	BASE	res1	res2	res3	res4	com1
KPC	1	2015	1	19845282.5	0	0	0	0	0
KPC	1	2015	2	19233741.7	0	0	0	0	0
KPC	1	2015	3	19608902	0	0	0	1	0
KPC	1	2015	4	12723208.7	0	0	0	0	0
KPC	1	2015	5	11287721.4	0	0	0	0	0
KPC	1	2015	6	10840438.8	0	0	0	0	0
KPC	1	2015	7	12902839.3	0	0	0	0	0
KPC	1	2015	8	13889673.5	0	0	0	0	0
KPC	1	2015	9	14308484.3	0	0	0	0	0
KPC	1	2015	10	12114706.1	0	0	0	0	0
KPC	1	2015	11	12342776.3	0	0	0	0	0
KPC	1	2015	12	18508003.6	0	0	0	0	0
KPC	1	2016	1	21916433.8	0	0	0	0	0
KPC	1	2016	2	22590175.2	0	0	0	0	0
KPC	1	2016	3	16845806	0	0	0	0	0
KPC	1	2016	4	12754693.6	0	0	0	0	0
KPC	1	2016	5	11004328.8	0	0	0	0	0
KPC	1	2016	6	14159761.2	0	0	0	0	0
KPC	1	2016	7	16622189.2	0	0	0	0	0
KPC	1	2016	8	16954828.2	0	0	0	0	0
KPC	1	2016	9	15527033.1	0	0	0	0	0
KPC	1	2016	10	12151349.5	0	0	0	0	0
KPC	1	2016	11	11896908.9	0	0	0	0	0
KPC	1	2016	12	19101001.7	0	0	0	0	0
KPC	1	2017	1	21979881.9	0	0	0	0	0
KPC	1	2017	2	17659126.7	0	0	0	0	0
KPC	1	2017	3	15986981	0	0	0	0	0
KPC	1	2017	4	13421353.8	0	0	0	0	0
KPC	1	2017	5	11012509.2	0	0	0	0	0
KPC	1	2017	6	12396844.2	0	0	0	0	0
KPC	1	2017	7	15029239.2	0	0	0	0	0
KPC	1	2017	8	14841175.4	0	0	0	0	0
KPC	1	2017	9	12751328.4	0	0	0	0	0
KPC	1	2017	10	11221793.4	0	0	0	0	0
KPC	1	2017	11	12370971.1	0	0	0	0	0
KPC	1	2017	12	18429129.8	0	0	0	0	0

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	BASE	res1	res2	res3	res4	com1
KPC	1	2018	1	26259057.2	0	0	0	0	0
KPC	1	2018	2	22431271.4	0	0	0	0	0
KPC	1	2018	3	16361004.6	0	0	0	0	0
KPC	1	2018	4	16154190.9	0	0	0	0	0
KPC	1	2018	5	12772284.1	0	0	0	0	0
KPC	1	2018	6	14597457.2	0	0	0	0	0
KPC	1	2018	7	15470362.3	0	0	0	0	0
KPC	1	2018	8	14145542.9	0	0	0	0	0
KPC	1	2018	9	14747359.2	0	0	0	0	0
KPC	1	2018	10	12443283	0	0	0	0	0
KPC	1	2018	11	13393159.1	0	0	0	0	0
KPC	1	2018	12	18787360.5	0	0	0	0	0
KPC	1	2019	1	20392075.7	0	0	0	0	0
KPC	1	2019	2		0	0	0	0	0
KPC	1	2019	3		0	0	0	0	0
KPC	1	2019	4		0	0	0	0	0
KPC	1	2019	5		0	0	0	0	0
KPC	1	2019	6		0	0	0	0	0
KPC	1	2019	7		0	0	0	0	0
KPC	1	2019	8		0	0	0	0	0
KPC	1	2019	9		0	0	0	0	0
KPC	1	2019	10		0	0	0	0	0
KPC	1	2019	11		0	0	0	0	0
KPC	1	2019	12		0	0	0	0	0
KPC	1	2020	1		0	0	0	0	0
KPC	1	2020	2		0	0	0	0	0
KPC	1	2020	3		0	0	0	0	0
KPC	1	2020	4		0	0	0	0	0
KPC	1	2020	5		0	0	0	0	0
KPC	1	2020	6		0	0	0	0	0
KPC	1	2020	7		0	0	0	0	0
KPC	1	2020	8		0	0	0	0	0
KPC	1	2020	9		0	0	0	0	0
KPC	1	2020	10		0	0	0	0	0
KPC	1	2020	11		0	0	0	0	0
KPC	1	2020	12		0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	BASE	res1	res2	res3	res4	com1
KPC	1	2021	1			0	0	0	0
KPC	1	2021	2			0	0	0	0
KPC	1	2021	3			0	0	0	0
KPC	1	2021	4			0	0	0	0
KPC	1	2021	5			0	0	0	0
KPC	1	2021	6			0	0	0	0
KPC	1	2021	7			0	0	0	0
KPC	1	2021	8			0	0	0	0
KPC	1	2021	9			0	0	0	0
KPC	1	2021	10			0	0	0	0
KPC	1	2021	11			0	0	0	0
KPC	1	2021	12			0	0	0	0
KPC	1	2022	1			0	0	0	0
KPC	1	2022	2			0	0	0	0
KPC	1	2022	3			0	0	0	0
KPC	1	2022	4			0	0	0	0
KPC	1	2022	5			0	0	0	0
KPC	1	2022	6			0	0	0	0
KPC	1	2022	7			0	0	0	0
KPC	1	2022	8			0	0	0	0
KPC	1	2022	9			0	0	0	0
KPC	1	2022	10			0	0	0	0
KPC	1	2022	11			0	0	0	0
KPC	1	2022	12			0	0	0	0
KPC	2	2009	1	6932764.22		0	0	0	0
KPC	2	2009	2	7146829.23		0	0	0	0
KPC	2	2009	3	6258282.23		0	0	0	0
KPC	2	2009	4	5723752.84		0	0	0	0
KPC	2	2009	5	5642306.04		0	0	0	0
KPC	2	2009	6	6073018.03		0	0	0	0
KPC	2	2009	7	6549288.61		0	0	0	0
KPC	2	2009	8	6249073.53		0	0	0	0
KPC	2	2009	9	6206674.92		0	0	0	0
KPC	2	2009	10	5803138.47		0	0	0	0
KPC	2	2009	11	5490249.75		0	0	0	0
KPC	2	2009	12	6199247.64		0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	BASE	res1	res2	res3	res4	com1
KPC	2	2010	1	7411487.27	0	0	0	0	0
KPC	2	2010	2	7228077.75	0	0	0	0	0
KPC	2	2010	3	6558934.84	0	0	0	0	0
KPC	2	2010	4	5782692.98	0	0	0	0	0
KPC	2	2010	5	5567047.56	0	0	0	0	0
KPC	2	2010	6	6506346.59	0	0	0	0	0
KPC	2	2010	7	8192521.45	0	0	0	0	0
KPC	2	2010	8	9124067.47	0	0	0	0	0
KPC	2	2010	9	8467416.24	0	0	0	0	0
KPC	2	2010	10	7622461.14	0	0	0	0	0
KPC	2	2010	11	7112274.14	0	0	0	0	0
KPC	2	2010	12	8776145.68	0	0	0	0	0
KPC	2	2011	1	10161840.9	0	0	0	0	0
KPC	2	2011	2	8834096.06	0	0	0	0	0
KPC	2	2011	3	7695418.99	0	0	0	0	0
KPC	2	2011	4	7635801.97	0	0	0	0	0
KPC	2	2011	5	7498610.49	0	0	0	0	0
KPC	2	2011	6	8327249.83	0	0	0	0	0
KPC	2	2011	7	8452635.11	0	0	0	0	0
KPC	2	2011	8	8708411.29	0	0	0	0	0
KPC	2	2011	9	8078884	0	0	0	0	0
KPC	2	2011	10	7077615.61	0	0	0	0	0
KPC	2	2011	11	6969675.72	0	0	0	0	0
KPC	2	2011	12	7923207.83	0	0	0	0	0
KPC	2	2012	1	8539033.13	0	0	0	0	0
KPC	2	2012	2	8080425.76	0	0	0	0	0
KPC	2	2012	3	7318580.41	0	0	0	0	0
KPC	2	2012	4	6822291.04	0	0	0	0	0
KPC	2	2012	5	6734187.61	0	0	0	0	0
KPC	2	2012	6	7276037.71	0	0	0	0	0
KPC	2	2012	7	7578600.37	0	0	0	0	0
KPC	2	2012	8	7692756.96	0	0	0	0	0
KPC	2	2012	9	7905622.23	0	0	0	0	0
KPC	2	2012	10	6838651.74	0	0	0	0	0
KPC	2	2012	11	6654768.96	0	0	0	0	0
KPC	2	2012	12	7491156.83	0	0	0	0	0

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	BASE	res1	res2	res3	res4	com1
KPC	2	2013	1	8037030.33	0	0	0	0	0
KPC	2	2013	2	7959811.59	0	0	0	0	0
KPC	2	2013	3	7797555.12	0	0	0	0	0
KPC	2	2013	4	7533041.36	0	0	0	0	0
KPC	2	2013	5	6811454.21	0	0	0	0	0
KPC	2	2013	6	7173163.68	0	0	0	0	0
KPC	2	2013	7	7245926.79	0	0	0	0	0
KPC	2	2013	8	7356600.19	0	0	0	0	0
KPC	2	2013	9	7615731.45	0	0	0	0	0
KPC	2	2013	10	6891393.96	0	0	0	0	0
KPC	2	2013	11	6671961.21	0	0	0	0	0
KPC	2	2013	12	7886824.78	0	0	0	0	0
KPC	2	2014	1	9597919.67	0	0	0	0	1
KPC	2	2014	2	9983283.53	0	0	0	0	0
KPC	2	2014	3	9135318.72	0	0	0	0	0
KPC	2	2014	4	7946735.17	0	0	0	0	0
KPC	2	2014	5	8473809.49	0	0	0	0	0
KPC	2	2014	6	8249697.41	0	0	0	0	0
KPC	2	2014	7	8847076.04	0	0	0	0	0
KPC	2	2014	8	8543262.91	0	0	0	0	0
KPC	2	2014	9	9072101.93	0	0	0	0	0
KPC	2	2014	10	7521441.69	0	0	0	0	0
KPC	2	2014	11	7318774.39	0	0	0	0	0
KPC	2	2014	12	14392146.1	0	0	0	0	0
KPC	2	2015	1	9768247.04	0	0	0	0	0
KPC	2	2015	2	9378170.16	0	0	0	0	0
KPC	2	2015	3	9757323.24	0	0	0	0	0
KPC	2	2015	4	8071195.17	0	0	0	0	0
KPC	2	2015	5	8495758.65	0	0	0	0	0
KPC	2	2015	6	7975557.23	0	0	0	0	0
KPC	2	2015	7	8393043.78	0	0	0	0	0
KPC	2	2015	8	9709171.83	0	0	0	0	0
KPC	2	2015	9	10175625	0	0	0	0	0
KPC	2	2015	10	9953369.97	0	0	0	0	0
KPC	2	2015	11	8818436.45	0	0	0	0	0
KPC	2	2015	12	10582677.4	0	0	0	0	0

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	BASE	res1	res2	res3	res4	com1
KPC	2	2016	1	10641922.6	0	0	0	0	0
KPC	2	2016	2	10534667.7	0	0	0	0	0
KPC	2	2016	3	9619921.84	0	0	0	0	0
KPC	2	2016	4	8873982.21	0	0	0	0	0
KPC	2	2016	5	8689886.85	0	0	0	0	0
KPC	2	2016	6	10450769.6	0	0	0	0	0
KPC	2	2016	7	10530505.4	0	0	0	0	0
KPC	2	2016	8	10313330.2	0	0	0	0	0
KPC	2	2016	9	10173573.6	0	0	0	0	0
KPC	2	2016	10	9081590.96	0	0	0	0	0
KPC	2	2016	11	8847847.47	0	0	0	0	0
KPC	2	2016	12	10331901.4	0	0	0	0	0
KPC	2	2017	1	11010282.5	0	0	0	0	0
KPC	2	2017	2	9843103.43	0	0	0	0	0
KPC	2	2017	3	9326789.57	0	0	0	0	0
KPC	2	2017	4	9165722.02	0	0	0	0	0
KPC	2	2017	5	8943674.3	0	0	0	0	0
KPC	2	2017	6	9535420.27	0	0	0	0	0
KPC	2	2017	7	10469638.1	0	0	0	0	0
KPC	2	2017	8	9993750.95	0	0	0	0	0
KPC	2	2017	9	9491770.39	0	0	0	0	0
KPC	2	2017	10	9037677.53	0	0	0	0	0
KPC	2	2017	11	8713640.43	0	0	0	0	0
KPC	2	2017	12	9726351.16	0	0	0	0	0
KPC	2	2018	1	11706238.6	0	0	0	0	0
KPC	2	2018	2	11210171.2	0	0	0	0	0
KPC	2	2018	3	9796931.31	0	0	0	0	0
KPC	2	2018	4	9372491.52	0	0	0	0	0
KPC	2	2018	5	9055825.13	0	0	0	0	0
KPC	2	2018	6	10193793.1	0	0	0	0	0
KPC	2	2018	7	10038061.5	0	0	0	0	0
KPC	2	2018	8	9476631.67	0	0	0	0	0
KPC	2	2018	9	10215131.4	0	0	0	0	0
KPC	2	2018	10	9372377.19	0	0	0	0	0
KPC	2	2018	11	8867865.26	0	0	0	0	0
KPC	2	2018	12	10024603.9	0	0	0	0	0

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 Retail Energy Models Input Data

JURIS	YEAR	MONTH	BASE	res1	res2	res3	res4	com1
KPC	2	2019	1	10471242.5	0	0	0	0
KPC	2	2019	2		0	0	0	0
KPC	2	2019	3		0	0	0	0
KPC	2	2019	4		0	0	0	0
KPC	2	2019	5		0	0	0	0
KPC	2	2019	6		0	0	0	0
KPC	2	2019	7		0	0	0	0
KPC	2	2019	8		0	0	0	0
KPC	2	2019	9		0	0	0	0
KPC	2	2019	10		0	0	0	0
KPC	2	2019	11		0	0	0	0
KPC	2	2019	12		0	0	0	0
KPC	2	2020	1		0	0	0	0
KPC	2	2020	2		0	0	0	0
KPC	2	2020	3		0	0	0	0
KPC	2	2020	4		0	0	0	0
KPC	2	2020	5		0	0	0	0
KPC	2	2020	6		0	0	0	0
KPC	2	2020	7		0	0	0	0
KPC	2	2020	8		0	0	0	0
KPC	2	2020	9		0	0	0	0
KPC	2	2020	10		0	0	0	0
KPC	2	2020	11		0	0	0	0
KPC	2	2020	12		0	0	0	0
KPC	2	2021	1		0	0	0	0
KPC	2	2021	2		0	0	0	0
KPC	2	2021	3		0	0	0	0
KPC	2	2021	4		0	0	0	0
KPC	2	2021	5		0	0	0	0
KPC	2	2021	6		0	0	0	0
KPC	2	2021	7		0	0	0	0
KPC	2	2021	8		0	0	0	0
KPC	2	2021	9		0	0	0	0
KPC	2	2021	10		0	0	0	0
KPC	2	2021	11		0	0	0	0
KPC	2	2021	12		0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	BASE	res1	res2	res3	res4	com1
KPC	2	2022	1			0	0	0	0
KPC	2	2022	2			0	0	0	0
KPC	2	2022	3			0	0	0	0
KPC	2	2022	4			0	0	0	0
KPC	2	2022	5			0	0	0	0
KPC	2	2022	6			0	0	0	0
KPC	2	2022	7			0	0	0	0
KPC	2	2022	8			0	0	0	0
KPC	2	2022	9			0	0	0	0
KPC	2	2022	10			0	0	0	0
KPC	2	2022	11			0	0	0	0
KPC	2	2022	12			0	0	0	0
KPC	3.1	2009	1	-707729.59		0	0	0	0
KPC	3.1	2009	2	1225187.95		0	0	0	0
KPC	3.1	2009	3	1119032.51		0	0	0	0
KPC	3.1	2009	4	504294.072		0	0	0	0
KPC	3.1	2009	5	1818177.95		0	0	0	0
KPC	3.1	2009	6	1209609.57		0	0	0	0
KPC	3.1	2009	7	1463340.38		0	0	0	0
KPC	3.1	2009	8	1114655.01		0	0	0	0
KPC	3.1	2009	9	459707.009		0	0	0	0
KPC	3.1	2009	10	1396996.63		0	0	0	0
KPC	3.1	2009	11	1187700.85		0	0	0	0
KPC	3.1	2009	12	1210853.44		0	0	0	0
KPC	3.1	2010	1	1208186.99		0	0	0	0
KPC	3.1	2010	2	860931.054		0	0	0	0
KPC	3.1	2010	3	1139677.81		0	0	0	0
KPC	3.1	2010	4	1072233.08		0	0	0	0
KPC	3.1	2010	5	1065736.41		0	0	0	0
KPC	3.1	2010	6	742037.811		0	0	0	0
KPC	3.1	2010	7	970071.871		0	0	0	0
KPC	3.1	2010	8	2402468.14		0	0	0	0
KPC	3.1	2010	9	1344956.11		0	0	0	0
KPC	3.1	2010	10	657502.764		0	0	0	0
KPC	3.1	2010	11	975926.333		0	0	0	0
KPC	3.1	2010	12	1897898.67		0	0	0	0

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	BASE	res1	res2	res3	res4	com1
KPC	3.1	2011	1	1445338.36	0	0	0	0	0
KPC	3.1	2011	2	1871275	0	0	0	0	0
KPC	3.1	2011	3	2075708.63	0	0	0	0	0
KPC	3.1	2011	4	838474.463	0	0	0	0	0
KPC	3.1	2011	5	1590711.64	0	0	0	0	0
KPC	3.1	2011	6	2007325.59	0	0	0	0	0
KPC	3.1	2011	7	1509325.96	0	0	0	0	0
KPC	3.1	2011	8	1109749.97	0	0	0	0	0
KPC	3.1	2011	9	1284164.89	0	0	0	0	0
KPC	3.1	2011	10	1234717.66	0	0	0	0	0
KPC	3.1	2011	11	1213078.36	0	0	0	0	0
KPC	3.1	2011	12	1400972.47	0	0	0	0	0
KPC	3.1	2012	1	2113853.81	0	0	0	0	0
KPC	3.1	2012	2	1183275.5	0	0	0	0	0
KPC	3.1	2012	3	986965.992	0	0	0	0	0
KPC	3.1	2012	4	736848.658	0	0	0	0	0
KPC	3.1	2012	5	1128103.47	0	0	0	0	0
KPC	3.1	2012	6	1242658.88	0	0	0	0	0
KPC	3.1	2012	7	875235.13	0	0	0	0	0
KPC	3.1	2012	8	6152943.71	0	0	0	0	0
KPC	3.1	2012	9	-3876265	0	0	0	0	0
KPC	3.1	2012	10	942268.365	0	0	0	0	0
KPC	3.1	2012	11	396700.203	0	0	0	0	0
KPC	3.1	2012	12	1099572.71	0	0	0	0	0
KPC	3.1	2013	1	1042924.28	0	0	0	0	0
KPC	3.1	2013	2	1225502.18	0	0	0	0	0
KPC	3.1	2013	3	1433610.9	0	0	0	0	0
KPC	3.1	2013	4	1215706.97	0	0	0	0	0
KPC	3.1	2013	5	1313164.27	0	0	0	0	0
KPC	3.1	2013	6	1420686.22	0	0	0	0	0
KPC	3.1	2013	7	1107255.55	0	0	0	0	0
KPC	3.1	2013	8	1166266.73	0	0	0	0	0
KPC	3.1	2013	9	1158256.93	0	0	0	0	0
KPC	3.1	2013	10	1274772.31	0	0	0	0	0
KPC	3.1	2013	11	1074323.55	0	0	0	0	0
KPC	3.1	2013	12	1123046.4	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	BASE	res1	res2	res3	res4	com1
KPC	3.1	2014	1	1685734.12	0	0	0	0	0
KPC	3.1	2014	2	1115795.51	0	0	0	0	0
KPC	3.1	2014	3	955280.773	0	0	0	0	0
KPC	3.1	2014	4	1163438.89	0	0	0	0	0
KPC	3.1	2014	5	1960313.91	0	0	0	0	0
KPC	3.1	2014	6	795973.127	0	0	0	0	0
KPC	3.1	2014	7	1067793.07	0	0	0	0	0
KPC	3.1	2014	8	1861799.37	0	0	0	0	0
KPC	3.1	2014	9	1234897.35	0	0	0	0	0
KPC	3.1	2014	10	900396.152	0	0	0	0	0
KPC	3.1	2014	11	139279.93	0	0	0	0	0
KPC	3.1	2014	12	-1937038	0	0	0	0	0
KPC	3.1	2015	1	3139553.38	0	0	0	0	0
KPC	3.1	2015	2	2086216.08	0	0	0	0	0
KPC	3.1	2015	3	762526.312	0	0	0	0	0
KPC	3.1	2015	4	2012891.8	0	0	0	0	0
KPC	3.1	2015	5	4356622.57	0	0	0	0	0
KPC	3.1	2015	6	-3283987.3	0	0	0	0	0
KPC	3.1	2015	7	455000.407	0	0	0	0	0
KPC	3.1	2015	8	2010459.89	0	0	0	0	0
KPC	3.1	2015	9	3261091.79	0	0	0	0	0
KPC	3.1	2015	10	2387914.21	0	0	0	0	0
KPC	3.1	2015	11	2664200.44	0	0	0	0	0
KPC	3.1	2015	12	2654111.25	0	0	0	0	0
KPC	3.1	2016	1	1104124.05	0	0	0	0	0
KPC	3.1	2016	2	1212473.2	0	0	0	0	0
KPC	3.1	2016	3	1444633.72	0	0	0	0	0
KPC	3.1	2016	4	1199124.18	0	0	0	0	0
KPC	3.1	2016	5	1123617.56	0	0	0	0	0
KPC	3.1	2016	6	1521323.08	0	0	0	0	0
KPC	3.1	2016	7	1693940.14	0	0	0	0	0
KPC	3.1	2016	8	1496215.16	0	0	0	0	0
KPC	3.1	2016	9	1390248.2	0	0	0	0	0
KPC	3.1	2016	10	1195127.47	0	0	0	0	0
KPC	3.1	2016	11	1708410.31	0	0	0	0	0
KPC	3.1	2016	12	1866193.6	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	BASE	res1	res2	res3	res4	com1
KPC	3.1	2017	1	1672078.83		0	0	0	0
KPC	3.1	2017	2	1351774.65		0	0	0	0
KPC	3.1	2017	3	1050701.02		0	0	0	0
KPC	3.1	2017	4	1209022.09		0	0	0	0
KPC	3.1	2017	5	1330729.06		0	0	0	0
KPC	3.1	2017	6	1114647.25		0	0	0	0
KPC	3.1	2017	7	1309798.98		0	0	0	0
KPC	3.1	2017	8	1200484.97		0	0	0	0
KPC	3.1	2017	9	1441823.8		0	0	0	0
KPC	3.1	2017	10	866526.37		0	0	0	0
KPC	3.1	2017	11	1154816.1		0	0	0	0
KPC	3.1	2017	12	1330231.62		0	0	0	0
KPC	3.1	2018	1	716588.825		0	0	0	0
KPC	3.1	2018	2	1788203.56		0	0	0	0
KPC	3.1	2018	3	1735166.04		0	0	0	0
KPC	3.1	2018	4	1538944.6		0	0	0	0
KPC	3.1	2018	5	1283189.14		0	0	0	0
KPC	3.1	2018	6	1282953.05		0	0	0	0
KPC	3.1	2018	7	877424.335		0	0	0	0
KPC	3.1	2018	8	816919.295		0	0	0	0
KPC	3.1	2018	9	1446313.51		0	0	0	0
KPC	3.1	2018	10	1188384.46		0	0	0	0
KPC	3.1	2018	11	1425281.08		0	0	0	0
KPC	3.1	2018	12	1804820.09		0	0	0	0
KPC	3.1	2019	1	1027644.84		0	0	0	0
KPC	3.1	2019	2			0	0	0	0
KPC	3.1	2019	3			0	0	0	0
KPC	3.1	2019	4			0	0	0	0
KPC	3.1	2019	5			0	0	0	0
KPC	3.1	2019	6			0	0	0	0
KPC	3.1	2019	7			0	0	0	0
KPC	3.1	2019	8			0	0	0	0
KPC	3.1	2019	9			0	0	0	0
KPC	3.1	2019	10			0	0	0	0
KPC	3.1	2019	11			0	0	0	0
KPC	3.1	2019	12			0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	BASE	res1	res2	res3	res4	com1
KPC	3.1	2020	1		0	0	0	0	0
KPC	3.1	2020	2		0	0	0	0	0
KPC	3.1	2020	3		0	0	0	0	0
KPC	3.1	2020	4		0	0	0	0	0
KPC	3.1	2020	5		0	0	0	0	0
KPC	3.1	2020	6		0	0	0	0	0
KPC	3.1	2020	7		0	0	0	0	0
KPC	3.1	2020	8		0	0	0	0	0
KPC	3.1	2020	9		0	0	0	0	0
KPC	3.1	2020	10		0	0	0	0	0
KPC	3.1	2020	11		0	0	0	0	0
KPC	3.1	2020	12		0	0	0	0	0
KPC	3.1	2021	1		0	0	0	0	0
KPC	3.1	2021	2		0	0	0	0	0
KPC	3.1	2021	3		0	0	0	0	0
KPC	3.1	2021	4		0	0	0	0	0
KPC	3.1	2021	5		0	0	0	0	0
KPC	3.1	2021	6		0	0	0	0	0
KPC	3.1	2021	7		0	0	0	0	0
KPC	3.1	2021	8		0	0	0	0	0
KPC	3.1	2021	9		0	0	0	0	0
KPC	3.1	2021	10		0	0	0	0	0
KPC	3.1	2021	11		0	0	0	0	0
KPC	3.1	2021	12		0	0	0	0	0
KPC	3.1	2022	1		0	0	0	0	0
KPC	3.1	2022	2		0	0	0	0	0
KPC	3.1	2022	3		0	0	0	0	0
KPC	3.1	2022	4		0	0	0	0	0
KPC	3.1	2022	5		0	0	0	0	0
KPC	3.1	2022	6		0	0	0	0	0
KPC	3.1	2022	7		0	0	0	0	0
KPC	3.1	2022	8		0	0	0	0	0
KPC	3.1	2022	9		0	0	0	0	0
KPC	3.1	2022	10		0	0	0	0	0
KPC	3.1	2022	11		0	0	0	0	0
KPC	3.1	2022	12		0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	BASE	res1	res2	res3	res4	com1
KPC	3.15	2009	1	3162255	0	0	0	0	0
KPC	3.15	2009	2	3316933.32	0	0	0	0	0
KPC	3.15	2009	3	3217819.35	0	0	0	0	0
KPC	3.15	2009	4	3045923.8	0	0	0	0	0
KPC	3.15	2009	5	2864204.07	0	0	0	0	0
KPC	3.15	2009	6	2901502.37	0	0	0	0	0
KPC	3.15	2009	7	2851705.3	0	0	0	0	0
KPC	3.15	2009	8	2718606.15	0	0	0	0	0
KPC	3.15	2009	9	2833429.61	0	0	0	0	0
KPC	3.15	2009	10	2698392.83	0	0	0	0	0
KPC	3.15	2009	11	2654385.58	0	0	0	0	0
KPC	3.15	2009	12	2741046.66	0	0	0	0	0
KPC	3.15	2010	1	2935340.41	0	0	0	0	0
KPC	3.15	2010	2	3181081.23	0	0	0	0	0
KPC	3.15	2010	3	2951244.5	0	0	0	0	0
KPC	3.15	2010	4	2801024.67	0	0	0	0	0
KPC	3.15	2010	5	2960793.2	0	0	0	0	0
KPC	3.15	2010	6	2843238.86	0	0	0	0	0
KPC	3.15	2010	7	3246726.95	0	0	0	0	0
KPC	3.15	2010	8	3314610.92	0	0	0	0	0
KPC	3.15	2010	9	3054791.02	0	0	0	0	0
KPC	3.15	2010	10	3290759.58	0	0	0	0	0
KPC	3.15	2010	11	3005708.73	0	0	0	0	0
KPC	3.15	2010	12	4027182.9	0	0	0	0	0
KPC	3.15	2011	1	3864966.11	0	0	0	0	0
KPC	3.15	2011	2	3625108.35	0	0	0	0	0
KPC	3.15	2011	3	3403872.65	0	0	0	0	0
KPC	3.15	2011	4	3444201.56	0	0	0	0	0
KPC	3.15	2011	5	3299968.73	0	0	0	0	0
KPC	3.15	2011	6	3541334.41	0	0	0	0	0
KPC	3.15	2011	7	3216210.99	0	0	0	0	0
KPC	3.15	2011	8	3219890.96	0	0	0	0	0
KPC	3.15	2011	9	3156894.19	0	0	0	0	0
KPC	3.15	2011	10	3026848.41	0	0	0	0	0
KPC	3.15	2011	11	3312580.11	0	0	0	0	0
KPC	3.15	2011	12	3383872.06	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	BASE	res1	res2	res3	res4	com1
KPC	3.15	2012	1	3461046	0	0	0	0	0
KPC	3.15	2012	2	3387193.89	0	0	0	0	0
KPC	3.15	2012	3	3144936.87	0	0	0	0	0
KPC	3.15	2012	4	3023362.24	0	0	0	0	0
KPC	3.15	2012	5	2710720.76	0	0	0	0	0
KPC	3.15	2012	6	2764190.87	0	0	0	0	0
KPC	3.15	2012	7	2373621.08	0	0	0	0	0
KPC	3.15	2012	8	3680095.98	0	0	0	0	0
KPC	3.15	2012	9	958272.21	0	0	0	0	0
KPC	3.15	2012	10	2430209.59	0	0	0	0	0
KPC	3.15	2012	11	2318866.31	0	0	0	0	0
KPC	3.15	2012	12	2475410.16	0	0	0	0	0
KPC	3.15	2013	1	2510756.65	0	0	0	0	0
KPC	3.15	2013	2	2531981.91	0	0	0	0	0
KPC	3.15	2013	3	2269824.4	0	0	0	0	0
KPC	3.15	2013	4	2539414.4	0	0	0	0	0
KPC	3.15	2013	5	2371282.2	0	0	0	0	0
KPC	3.15	2013	6	2158326.67	0	0	0	0	0
KPC	3.15	2013	7	2142192.42	0	0	0	0	0
KPC	3.15	2013	8	2028015.1	0	0	0	0	0
KPC	3.15	2013	9	2172117.73	0	0	0	0	0
KPC	3.15	2013	10	1883989.54	0	0	0	0	0
KPC	3.15	2013	11	2003512.61	0	0	0	0	0
KPC	3.15	2013	12	1975329.06	0	0	0	0	0
KPC	3.15	2014	1	2366136.36	0	0	0	0	0
KPC	3.15	2014	2	2577153.81	0	0	0	0	0
KPC	3.15	2014	3	2669833.66	0	0	0	0	0
KPC	3.15	2014	4	2276979.4	0	0	0	0	0
KPC	3.15	2014	5	2366163.3	0	0	0	0	0
KPC	3.15	2014	6	2139234.98	0	0	0	0	0
KPC	3.15	2014	7	2172135.32	0	0	0	0	0
KPC	3.15	2014	8	2097121.43	0	0	0	0	0
KPC	3.15	2014	9	2033442.75	0	0	0	0	0
KPC	3.15	2014	10	2268398.19	0	0	0	0	0
KPC	3.15	2014	11	2597459.8	0	0	0	0	0
KPC	3.15	2014	12	2359463.05	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	BASE	res1	res2	res3	res4	com1
KPC	3.15	2015	1	2378699.92	0	0	0	0	0
KPC	3.15	2015	2	2465222.67	0	0	0	0	0
KPC	3.15	2015	3	2604901.52	0	0	0	0	0
KPC	3.15	2015	4	2143181.73	0	0	0	0	0
KPC	3.15	2015	5	1832739.97	0	0	0	0	0
KPC	3.15	2015	6	2207168.8	0	0	0	0	0
KPC	3.15	2015	7	2223730.57	0	0	0	0	0
KPC	3.15	2015	8	2049254.45	0	0	0	0	0
KPC	3.15	2015	9	2308578.84	0	0	0	0	0
KPC	3.15	2015	10	2444042.8	0	0	0	0	0
KPC	3.15	2015	11	2255283.46	0	0	0	0	0
KPC	3.15	2015	12	2381313.97	0	0	0	0	0
KPC	3.15	2016	1	2334671.69	0	0	0	0	0
KPC	3.15	2016	2	2209485.66	0	0	0	0	0
KPC	3.15	2016	3	1948596.23	0	0	0	0	0
KPC	3.15	2016	4	1911025.33	0	0	0	0	0
KPC	3.15	2016	5	1707211.44	0	0	0	0	0
KPC	3.15	2016	6	1829698.14	0	0	0	0	0
KPC	3.15	2016	7	1664328.67	0	0	0	0	0
KPC	3.15	2016	8	1569743.93	0	0	0	0	0
KPC	3.15	2016	9	1467828.92	0	0	0	0	0
KPC	3.15	2016	10	1489384.66	0	0	0	0	0
KPC	3.15	2016	11	1663303.26	0	0	0	0	0
KPC	3.15	2016	12	1917154.67	0	0	0	0	0
KPC	3.15	2017	1	1917294.44	0	0	0	0	0
KPC	3.15	2017	2	1863641.47	0	0	0	0	0
KPC	3.15	2017	3	1827472.28	0	0	0	0	0
KPC	3.15	2017	4	1770231.64	0	0	0	0	0
KPC	3.15	2017	5	1727810.05	0	0	0	0	0
KPC	3.15	2017	6	1759292.34	0	0	0	0	0
KPC	3.15	2017	7	1689227.77	0	0	0	0	0
KPC	3.15	2017	8	1650419.4	0	0	0	0	0
KPC	3.15	2017	9	1571444.73	0	0	0	0	0
KPC	3.15	2017	10	1732735.85	0	0	0	0	0
KPC	3.15	2017	11	1703836.78	0	0	0	0	0
KPC	3.15	2017	12	1826788.33	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	BASE	res1	res2	res3	res4	com1
KPC	3.15	2018	1	1899843.29		0	0	0	0
KPC	3.15	2018	2	2106607.74		0	0	0	0
KPC	3.15	2018	3	2005808.69		0	0	0	0
KPC	3.15	2018	4	1915898.38		0	0	0	0
KPC	3.15	2018	5	1916392.1		0	0	0	0
KPC	3.15	2018	6	1773153.02		0	0	0	0
KPC	3.15	2018	7	1721581.1		0	0	0	0
KPC	3.15	2018	8	1676072.21		0	0	0	0
KPC	3.15	2018	9	1686515.65		0	0	0	0
KPC	3.15	2018	10	1703546.52		0	0	0	0
KPC	3.15	2018	11	1780660.62		0	0	0	0
KPC	3.15	2018	12	2020773.75		0	0	0	0
KPC	3.15	2019	1	2057440.02		0	0	0	0
KPC	3.15	2019	2			0	0	0	0
KPC	3.15	2019	3			0	0	0	0
KPC	3.15	2019	4			0	0	0	0
KPC	3.15	2019	5			0	0	0	0
KPC	3.15	2019	6			0	0	0	0
KPC	3.15	2019	7			0	0	0	0
KPC	3.15	2019	8			0	0	0	0
KPC	3.15	2019	9			0	0	0	0
KPC	3.15	2019	10			0	0	0	0
KPC	3.15	2019	11			0	0	0	0
KPC	3.15	2019	12			0	0	0	0
KPC	3.15	2020	1			0	0	0	0
KPC	3.15	2020	2			0	0	0	0
KPC	3.15	2020	3			0	0	0	0
KPC	3.15	2020	4			0	0	0	0
KPC	3.15	2020	5			0	0	0	0
KPC	3.15	2020	6			0	0	0	0
KPC	3.15	2020	7			0	0	0	0
KPC	3.15	2020	8			0	0	0	0
KPC	3.15	2020	9			0	0	0	0
KPC	3.15	2020	10			0	0	0	0
KPC	3.15	2020	11			0	0	0	0
KPC	3.15	2020	12			0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	BASE	res1	res2	res3	res4	com1
KPC	3.15	2021	1			0	0	0	0
KPC	3.15	2021	2			0	0	0	0
KPC	3.15	2021	3			0	0	0	0
KPC	3.15	2021	4			0	0	0	0
KPC	3.15	2021	5			0	0	0	0
KPC	3.15	2021	6			0	0	0	0
KPC	3.15	2021	7			0	0	0	0
KPC	3.15	2021	8			0	0	0	0
KPC	3.15	2021	9			0	0	0	0
KPC	3.15	2021	10			0	0	0	0
KPC	3.15	2021	11			0	0	0	0
KPC	3.15	2021	12			0	0	0	0
KPC	3.15	2022	1			0	0	0	0
KPC	3.15	2022	2			0	0	0	0
KPC	3.15	2022	3			0	0	0	0
KPC	3.15	2022	4			0	0	0	0
KPC	3.15	2022	5			0	0	0	0
KPC	3.15	2022	6			0	0	0	0
KPC	3.15	2022	7			0	0	0	0
KPC	3.15	2022	8			0	0	0	0
KPC	3.15	2022	9			0	0	0	0
KPC	3.15	2022	10			0	0	0	0
KPC	3.15	2022	11			0	0	0	0
KPC	3.15	2022	12			0	0	0	0
KPC	4	2009	1	72543.64		0	0	0	0
KPC	4	2009	2	85686.36		0	0	0	0
KPC	4	2009	3	91218.85		0	0	0	0
KPC	4	2009	4	81928.15		0	0	0	0
KPC	4	2009	5	82207.66		0	0	0	0
KPC	4	2009	6	93813.48		0	0	0	0
KPC	4	2009	7	85074.26		0	0	0	0
KPC	4	2009	8	79456.4		0	0	0	0
KPC	4	2009	9	100241.6		0	0	0	0
KPC	4	2009	10	86387.63		0	0	0	0
KPC	4	2009	11	81199.21		0	0	0	0
KPC	4	2009	12	79218.72		0	0	0	0

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 Retail Energy Models Input Data

JURIS	YEAR	MONTH	BASE	res1	res2	res3	res4	com1
KPC	4	2010	1	68773.83	0	0	0	0
KPC	4	2010	2	102385.92	0	0	0	0
KPC	4	2010	3	83981	0	0	0	0
KPC	4	2010	4	86078.25	0	0	0	0
KPC	4	2010	5	82202.83	0	0	0	0
KPC	4	2010	6	75224.27	0	0	0	0
KPC	4	2010	7	143731.23	0	0	0	0
KPC	4	2010	8	111802.03	0	0	0	0
KPC	4	2010	9	101822.67	0	0	0	0
KPC	4	2010	10	105819.79	0	0	0	0
KPC	4	2010	11	107471.7	0	0	0	0
KPC	4	2010	12	101997.94	0	0	0	0
KPC	4	2011	1	95901.08	0	0	0	0
KPC	4	2011	2	88260.74	0	0	0	0
KPC	4	2011	3	117652.33	0	0	0	0
KPC	4	2011	4	135366.27	0	0	0	0
KPC	4	2011	5	112058.49	0	0	0	0
KPC	4	2011	6	118915.32	0	0	0	0
KPC	4	2011	7	107284.36	0	0	0	0
KPC	4	2011	8	104323.6	0	0	0	0
KPC	4	2011	9	111221.08	0	0	0	0
KPC	4	2011	10	118176.44	0	0	0	0
KPC	4	2011	11	104369.41	0	0	0	0
KPC	4	2011	12	104578.21	0	0	0	0
KPC	4	2012	1	106535	0	0	0	0
KPC	4	2012	2	108128.62	0	0	0	0
KPC	4	2012	3	104332.02	0	0	0	0
KPC	4	2012	4	107805.97	0	0	0	0
KPC	4	2012	5	105741.13	0	0	0	0
KPC	4	2012	6	108350.52	0	0	0	0
KPC	4	2012	7	103433.53	0	0	0	0
KPC	4	2012	8	104412.72	0	0	0	0
KPC	4	2012	9	105744.48	0	0	0	0
KPC	4	2012	10	102086.25	0	0	0	0
KPC	4	2012	11	99289.56	0	0	0	0
KPC	4	2012	12	99018.22	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	BASE	res1	res2	res3	res4	com1
KPC	4	2013	1	100895.24	0	0	0	0	0
KPC	4	2013	2	104540.65	0	0	0	0	0
KPC	4	2013	3	104815.85	0	0	0	0	0
KPC	4	2013	4	109287.12	0	0	0	0	0
KPC	4	2013	5	110007.41	0	0	0	0	0
KPC	4	2013	6	108777.47	0	0	0	0	0
KPC	4	2013	7	105590.46	0	0	0	0	0
KPC	4	2013	8	103927.84	0	0	0	0	0
KPC	4	2013	9	105098.6	0	0	0	0	0
KPC	4	2013	10	100683.29	0	0	0	0	0
KPC	4	2013	11	100199.39	0	0	0	0	0
KPC	4	2013	12	100663.82	0	0	0	0	0
KPC	4	2014	1	116471.25	0	0	0	0	0
KPC	4	2014	2	120029.04	0	0	0	0	0
KPC	4	2014	3	119884.1	0	0	0	0	0
KPC	4	2014	4	122362.18	0	0	0	0	0
KPC	4	2014	5	132417.19	0	0	0	0	0
KPC	4	2014	6	125044.91	0	0	0	0	0
KPC	4	2014	7	124802.75	0	0	0	0	0
KPC	4	2014	8	123757.37	0	0	0	0	0
KPC	4	2014	9	123112.75	0	0	0	0	0
KPC	4	2014	10	114766.8	0	0	0	0	0
KPC	4	2014	11	113015.65	0	0	0	0	0
KPC	4	2014	12	-385722.82	0	0	0	0	0
KPC	4	2015	1	118808.12	0	0	0	0	0
KPC	4	2015	2	118118.01	0	0	0	0	0
KPC	4	2015	3	120547.46	0	0	0	0	0
KPC	4	2015	4	137126.33	0	0	0	0	0
KPC	4	2015	5	130145.42	0	0	0	0	0
KPC	4	2015	6	26518.0796	0	0	0	0	0
KPC	4	2015	7	129306.63	0	0	0	0	0
KPC	4	2015	8	126582.13	0	0	0	0	0
KPC	4	2015	9	142848.7	0	0	0	0	0
KPC	4	2015	10	143218.02	0	0	0	0	0
KPC	4	2015	11	135428.69	0	0	0	0	0
KPC	4	2015	12	146541.94	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	BASE	res1	res2	res3	res4	com1
KPC	4	2016	1	137781.77	0	0	0	0	0
KPC	4	2016	2	135741.67	0	0	0	0	0
KPC	4	2016	3	133952.89	0	0	0	0	0
KPC	4	2016	4	138605.56	0	0	0	0	0
KPC	4	2016	5	141020.96	0	0	0	0	0
KPC	4	2016	6	160729.61	0	0	0	0	0
KPC	4	2016	7	148059.37	0	0	0	0	0
KPC	4	2016	8	137681.47	0	0	0	0	0
KPC	4	2016	9	133014.77	0	0	0	0	0
KPC	4	2016	10	130045.94	0	0	0	0	0
KPC	4	2016	11	138117.87	0	0	0	0	0
KPC	4	2016	12	140003.56	0	0	0	0	0
KPC	4	2017	1	139947.5	0	0	0	0	0
KPC	4	2017	2	139879.31	0	0	0	0	0
KPC	4	2017	3	137913.75	0	0	0	0	0
KPC	4	2017	4	142098.24	0	0	0	0	0
KPC	4	2017	5	144754.11	0	0	0	0	0
KPC	4	2017	6	146847.43	0	0	0	0	0
KPC	4	2017	7	149113.09	0	0	0	0	0
KPC	4	2017	8	139689.31	0	0	0	0	0
KPC	4	2017	9	137190.96	0	0	0	0	0
KPC	4	2017	10	136063.85	0	0	0	0	0
KPC	4	2017	11	135266.68	0	0	0	0	0
KPC	4	2017	12	134371.39	0	0	0	0	0
KPC	4	2018	1	141246.71	0	0	0	0	0
KPC	4	2018	2	150471.11	0	0	0	0	0
KPC	4	2018	3	143384.34	0	0	0	0	0
KPC	4	2018	4	136544.62	0	0	0	0	0
KPC	4	2018	5	140862.69	0	0	0	0	0
KPC	4	2018	6	138897.56	0	0	0	0	0
KPC	4	2018	7	136805.93	0	0	0	0	0
KPC	4	2018	8	134096.71	0	0	0	0	0
KPC	4	2018	9	136534.65	0	0	0	0	0
KPC	4	2018	10	135257.76	0	0	0	0	0
KPC	4	2018	11	138354.79	0	0	0	0	0
KPC	4	2018	12	139464.6	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	YEAR	MONTH	BASE	res1	res2	res3	res4	com1
KPC	4	2019	1	141459.51	0	0	0	0
KPC	4	2019	2		0	0	0	0
KPC	4	2019	3		0	0	0	0
KPC	4	2019	4		0	0	0	0
KPC	4	2019	5		0	0	0	0
KPC	4	2019	6		0	0	0	0
KPC	4	2019	7		0	0	0	0
KPC	4	2019	8		0	0	0	0
KPC	4	2019	9		0	0	0	0
KPC	4	2019	10		0	0	0	0
KPC	4	2019	11		0	0	0	0
KPC	4	2019	12		0	0	0	0
KPC	4	2020	1		0	0	0	0
KPC	4	2020	2		0	0	0	0
KPC	4	2020	3		0	0	0	0
KPC	4	2020	4		0	0	0	0
KPC	4	2020	5		0	0	0	0
KPC	4	2020	6		0	0	0	0
KPC	4	2020	7		0	0	0	0
KPC	4	2020	8		0	0	0	0
KPC	4	2020	9		0	0	0	0
KPC	4	2020	10		0	0	0	0
KPC	4	2020	11		0	0	0	0
KPC	4	2020	12		0	0	0	0
KPC	4	2021	1		0	0	0	0
KPC	4	2021	2		0	0	0	0
KPC	4	2021	3		0	0	0	0
KPC	4	2021	4		0	0	0	0
KPC	4	2021	5		0	0	0	0
KPC	4	2021	6		0	0	0	0
KPC	4	2021	7		0	0	0	0
KPC	4	2021	8		0	0	0	0
KPC	4	2021	9		0	0	0	0
KPC	4	2021	10		0	0	0	0
KPC	4	2021	11		0	0	0	0
KPC	4	2021	12		0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	BASE	res1	res2	res3	res4	com1
KPC	4	2022	1		0	0	0	0	0
KPC	4	2022	2		0	0	0	0	0
KPC	4	2022	3		0	0	0	0	0
KPC	4	2022	4		0	0	0	0	0
KPC	4	2022	5		0	0	0	0	0
KPC	4	2022	6		0	0	0	0	0
KPC	4	2022	7		0	0	0	0	0
KPC	4	2022	8		0	0	0	0	0
KPC	4	2022	9		0	0	0	0	0
KPC	4	2022	10		0	0	0	0	0
KPC	4	2022	11		0	0	0	0	0
KPC	4	2022	12		0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	com2	com3	com4	ind1	ind2	
KPC	1	2009	1		0	0	0	0	0
KPC	1	2009	2		0	0	0	0	0
KPC	1	2009	3		0	0	0	0	0
KPC	1	2009	4		0	0	0	0	0
KPC	1	2009	5		0	0	0	0	0
KPC	1	2009	6		0	0	0	0	0
KPC	1	2009	7		0	0	0	0	0
KPC	1	2009	8		0	0	0	0	0
KPC	1	2009	9		0	0	0	0	0
KPC	1	2009	10		0	0	0	0	0
KPC	1	2009	11		0	0	0	0	0
KPC	1	2009	12		0	0	0	0	0
KPC	1	2010	1		0	0	0	0	0
KPC	1	2010	2		0	0	0	0	0
KPC	1	2010	3		0	0	0	0	0
KPC	1	2010	4		0	0	0	0	0
KPC	1	2010	5		0	0	0	0	0
KPC	1	2010	6		0	0	0	0	0
KPC	1	2010	7		0	0	0	0	0
KPC	1	2010	8		0	0	0	0	0
KPC	1	2010	9		0	0	0	0	0
KPC	1	2010	10		0	0	0	0	0
KPC	1	2010	11		0	0	0	0	0
KPC	1	2010	12		0	0	0	0	0
KPC	1	2011	1		0	0	0	0	0
KPC	1	2011	2		0	0	0	0	0
KPC	1	2011	3		0	0	0	0	0
KPC	1	2011	4		0	0	0	0	0
KPC	1	2011	5		0	0	0	0	0
KPC	1	2011	6		0	0	0	0	0
KPC	1	2011	7		0	0	0	0	0
KPC	1	2011	8		0	0	0	0	0
KPC	1	2011	9		0	0	0	0	0
KPC	1	2011	10		0	0	0	0	0
KPC	1	2011	11		0	0	0	0	0
KPC	1	2011	12		0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	com2	com3	com4	ind1	ind2
KPC	1	2012	1		0	0	0	0
KPC	1	2012	2		0	0	0	0
KPC	1	2012	3		0	0	0	0
KPC	1	2012	4		0	0	0	0
KPC	1	2012	5		0	0	0	0
KPC	1	2012	6		0	0	0	0
KPC	1	2012	7		0	0	0	0
KPC	1	2012	8		0	0	0	0
KPC	1	2012	9		0	0	0	0
KPC	1	2012	10		0	0	0	0
KPC	1	2012	11		0	0	0	0
KPC	1	2012	12		0	0	0	0
KPC	1	2013	1		0	0	0	0
KPC	1	2013	2		0	0	0	0
KPC	1	2013	3		0	0	0	0
KPC	1	2013	4		0	0	0	0
KPC	1	2013	5		0	0	0	0
KPC	1	2013	6		0	0	0	0
KPC	1	2013	7		0	0	0	0
KPC	1	2013	8		0	0	0	0
KPC	1	2013	9		0	0	0	0
KPC	1	2013	10		0	0	0	0
KPC	1	2013	11		0	0	0	0
KPC	1	2013	12		0	0	0	0
KPC	1	2014	1		0	0	0	0
KPC	1	2014	2		0	0	0	0
KPC	1	2014	3		0	0	0	0
KPC	1	2014	4		0	0	0	0
KPC	1	2014	5		0	0	0	0
KPC	1	2014	6		0	0	0	0
KPC	1	2014	7		0	0	0	0
KPC	1	2014	8		0	0	0	0
KPC	1	2014	9		0	0	0	0
KPC	1	2014	10		0	0	0	0
KPC	1	2014	11		0	0	0	0
KPC	1	2014	12		0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	com2	com3	com4	ind1	ind2
KPC	1	2015	1	0	0	0	0	0
KPC	1	2015	2	0	0	0	0	0
KPC	1	2015	3	0	0	0	0	0
KPC	1	2015	4	0	0	0	0	0
KPC	1	2015	5	0	0	0	0	0
KPC	1	2015	6	0	0	0	0	0
KPC	1	2015	7	0	0	0	0	0
KPC	1	2015	8	0	0	0	0	0
KPC	1	2015	9	0	0	0	0	0
KPC	1	2015	10	0	0	0	0	0
KPC	1	2015	11	0	0	0	0	0
KPC	1	2015	12	0	0	0	0	0
KPC	1	2016	1	0	0	0	0	0
KPC	1	2016	2	0	0	0	0	0
KPC	1	2016	3	0	0	0	0	0
KPC	1	2016	4	0	0	0	0	0
KPC	1	2016	5	0	0	0	0	0
KPC	1	2016	6	0	0	0	0	0
KPC	1	2016	7	0	0	0	0	0
KPC	1	2016	8	0	0	0	0	0
KPC	1	2016	9	0	0	0	0	0
KPC	1	2016	10	0	0	0	0	0
KPC	1	2016	11	0	0	0	0	0
KPC	1	2016	12	0	0	0	0	0
KPC	1	2017	1	0	0	0	0	0
KPC	1	2017	2	0	0	0	0	0
KPC	1	2017	3	0	0	0	0	0
KPC	1	2017	4	0	0	0	0	0
KPC	1	2017	5	0	0	0	0	0
KPC	1	2017	6	0	0	0	0	0
KPC	1	2017	7	0	0	0	0	0
KPC	1	2017	8	0	0	0	0	0
KPC	1	2017	9	0	0	0	0	0
KPC	1	2017	10	0	0	0	0	0
KPC	1	2017	11	0	0	0	0	0
KPC	1	2017	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	com2	com3	com4	ind1	ind2
KPC	1	2018	1	0	0	0	0	0
KPC	1	2018	2	0	0	0	0	0
KPC	1	2018	3	0	0	0	0	0
KPC	1	2018	4	0	0	0	0	0
KPC	1	2018	5	0	0	0	0	0
KPC	1	2018	6	0	0	0	0	0
KPC	1	2018	7	0	0	0	0	0
KPC	1	2018	8	0	0	0	0	0
KPC	1	2018	9	0	0	0	0	0
KPC	1	2018	10	0	0	0	0	0
KPC	1	2018	11	0	0	0	0	0
KPC	1	2018	12	0	0	0	0	0
KPC	1	2019	1	0	0	0	0	0
KPC	1	2019	2	0	0	0	0	0
KPC	1	2019	3	0	0	0	0	0
KPC	1	2019	4	0	0	0	0	0
KPC	1	2019	5	0	0	0	0	0
KPC	1	2019	6	0	0	0	0	0
KPC	1	2019	7	0	0	0	0	0
KPC	1	2019	8	0	0	0	0	0
KPC	1	2019	9	0	0	0	0	0
KPC	1	2019	10	0	0	0	0	0
KPC	1	2019	11	0	0	0	0	0
KPC	1	2019	12	0	0	0	0	0
KPC	1	2020	1	0	0	0	0	0
KPC	1	2020	2	0	0	0	0	0
KPC	1	2020	3	0	0	0	0	0
KPC	1	2020	4	0	0	0	0	0
KPC	1	2020	5	0	0	0	0	0
KPC	1	2020	6	0	0	0	0	0
KPC	1	2020	7	0	0	0	0	0
KPC	1	2020	8	0	0	0	0	0
KPC	1	2020	9	0	0	0	0	0
KPC	1	2020	10	0	0	0	0	0
KPC	1	2020	11	0	0	0	0	0
KPC	1	2020	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	com2	com3	com4	ind1	ind2
KPC	1	2021	1	0	0	0	0	0
KPC	1	2021	2	0	0	0	0	0
KPC	1	2021	3	0	0	0	0	0
KPC	1	2021	4	0	0	0	0	0
KPC	1	2021	5	0	0	0	0	0
KPC	1	2021	6	0	0	0	0	0
KPC	1	2021	7	0	0	0	0	0
KPC	1	2021	8	0	0	0	0	0
KPC	1	2021	9	0	0	0	0	0
KPC	1	2021	10	0	0	0	0	0
KPC	1	2021	11	0	0	0	0	0
KPC	1	2021	12	0	0	0	0	0
KPC	1	2022	1	0	0	0	0	0
KPC	1	2022	2	0	0	0	0	0
KPC	1	2022	3	0	0	0	0	0
KPC	1	2022	4	0	0	0	0	0
KPC	1	2022	5	0	0	0	0	0
KPC	1	2022	6	0	0	0	0	0
KPC	1	2022	7	0	0	0	0	0
KPC	1	2022	8	0	0	0	0	0
KPC	1	2022	9	0	0	0	0	0
KPC	1	2022	10	0	0	0	0	0
KPC	1	2022	11	0	0	0	0	0
KPC	1	2022	12	0	0	0	0	0
KPC	2	2009	1	0	0	0	0	0
KPC	2	2009	2	0	0	0	0	0
KPC	2	2009	3	0	0	0	0	0
KPC	2	2009	4	0	0	0	0	0
KPC	2	2009	5	0	0	0	0	0
KPC	2	2009	6	0	0	0	0	0
KPC	2	2009	7	0	0	0	0	0
KPC	2	2009	8	0	0	0	0	0
KPC	2	2009	9	0	0	0	0	0
KPC	2	2009	10	0	0	0	0	0
KPC	2	2009	11	0	0	0	0	0
KPC	2	2009	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	com2	com3	com4	ind1	ind2
KPC	2	2010	1	0	0	0	0	0
KPC	2	2010	2	0	0	0	0	0
KPC	2	2010	3	0	0	0	0	0
KPC	2	2010	4	0	0	0	0	0
KPC	2	2010	5	0	0	0	0	0
KPC	2	2010	6	0	0	0	0	0
KPC	2	2010	7	0	0	0	0	0
KPC	2	2010	8	0	0	0	0	0
KPC	2	2010	9	0	0	0	0	0
KPC	2	2010	10	0	0	0	1	0
KPC	2	2010	11	0	0	0	1	0
KPC	2	2010	12	0	0	0	1	0
KPC	2	2011	1	1	0	0	1	0
KPC	2	2011	2	0	0	0	1	0
KPC	2	2011	3	0	0	0	1	0
KPC	2	2011	4	0	0	0	1	0
KPC	2	2011	5	0	0	0	1	0
KPC	2	2011	6	0	0	0	1	0
KPC	2	2011	7	0	0	0	1	0
KPC	2	2011	8	0	0	0	1	0
KPC	2	2011	9	0	0	0	1	0
KPC	2	2011	10	0	0	0	1	0
KPC	2	2011	11	0	0	0	1	0
KPC	2	2011	12	0	0	0	1	0
KPC	2	2012	1	0	0	0	1	0
KPC	2	2012	2	0	0	0	1	0
KPC	2	2012	3	0	0	0	1	0
KPC	2	2012	4	0	0	0	1	0
KPC	2	2012	5	0	0	0	1	0
KPC	2	2012	6	0	0	0	1	0
KPC	2	2012	7	0	0	0	1	0
KPC	2	2012	8	0	0	0	1	0
KPC	2	2012	9	0	0	0	1	0
KPC	2	2012	10	0	0	0	1	0
KPC	2	2012	11	0	0	0	1	0
KPC	2	2012	12	0	0	0	1	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	com2	com3	com4	ind1	ind2
KPC	2	2013	1		0	0	1	0
KPC	2	2013	2		0	0	1	0
KPC	2	2013	3		0	0	1	0
KPC	2	2013	4		0	0	1	0
KPC	2	2013	5		0	0	1	0
KPC	2	2013	6		0	0	1	0
KPC	2	2013	7		0	0	1	0
KPC	2	2013	8		0	0	1	0
KPC	2	2013	9		0	1	1	0
KPC	2	2013	10		0	0	1	0
KPC	2	2013	11		0	0	1	0
KPC	2	2013	12		0	0	1	0
KPC	2	2014	1		0	0	1	0
KPC	2	2014	2		0	0	1	0
KPC	2	2014	3		0	0	1	0
KPC	2	2014	4		0	0	1	0
KPC	2	2014	5		0	0	1	0
KPC	2	2014	6		0	0	1	0
KPC	2	2014	7		0	0	1	0
KPC	2	2014	8		0	0	1	0
KPC	2	2014	9		0	0	1	0
KPC	2	2014	10		0	0	1	0
KPC	2	2014	11		0	0	1	0
KPC	2	2014	12		0	0	1	0
KPC	2	2015	1		0	0	1	0
KPC	2	2015	2		0	0	1	0
KPC	2	2015	3		0	0	1	0
KPC	2	2015	4		0	0	1	0
KPC	2	2015	5		0	0	1	0
KPC	2	2015	6		0	0	1	0
KPC	2	2015	7		0	0	1	0
KPC	2	2015	8		0	0	1	0
KPC	2	2015	9		0	0	1	0
KPC	2	2015	10		0	0	1	0
KPC	2	2015	11		0	0	1	0
KPC	2	2015	12		0	0	1	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	com2	com3	com4	ind1	ind2
KPC	2	2016	1		0	0	1	0
KPC	2	2016	2		0	0	1	0
KPC	2	2016	3		0	0	1	0
KPC	2	2016	4		0	0	1	0
KPC	2	2016	5		0	0	1	0
KPC	2	2016	6		0	0	1	0
KPC	2	2016	7		0	0	1	0
KPC	2	2016	8		0	0	1	0
KPC	2	2016	9		0	0	1	0
KPC	2	2016	10		0	0	1	0
KPC	2	2016	11		0	0	1	0
KPC	2	2016	12		0	0	1	0
KPC	2	2017	1		0	0	1	0
KPC	2	2017	2		0	0	1	0
KPC	2	2017	3		0	0	1	0
KPC	2	2017	4		0	0	1	0
KPC	2	2017	5		0	0	1	0
KPC	2	2017	6		0	0	1	0
KPC	2	2017	7		0	0	1	0
KPC	2	2017	8		0	0	1	0
KPC	2	2017	9		0	0	1	0
KPC	2	2017	10		0	0	1	0
KPC	2	2017	11		0	0	1	0
KPC	2	2017	12		0	0	1	0
KPC	2	2018	1		0	0	1	0
KPC	2	2018	2		0	0	1	0
KPC	2	2018	3		0	0	1	0
KPC	2	2018	4		0	0	1	0
KPC	2	2018	5		0	0	1	0
KPC	2	2018	6		0	0	1	0
KPC	2	2018	7		0	0	1	0
KPC	2	2018	8		0	0	1	0
KPC	2	2018	9		0	0	1	0
KPC	2	2018	10		0	0	1	0
KPC	2	2018	11		0	0	1	0
KPC	2	2018	12		0	0	1	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	com2	com3	com4	ind1	ind2
KPC	2	2019	1	0	0	1	0	0
KPC	2	2019	2	0	0	1	0	0
KPC	2	2019	3	0	0	1	0	0
KPC	2	2019	4	0	0	1	0	0
KPC	2	2019	5	0	0	1	0	0
KPC	2	2019	6	0	0	1	0	0
KPC	2	2019	7	0	0	1	0	0
KPC	2	2019	8	0	0	1	0	0
KPC	2	2019	9	0	0	1	0	0
KPC	2	2019	10	0	0	1	0	0
KPC	2	2019	11	0	0	1	0	0
KPC	2	2019	12	0	0	1	0	0
KPC	2	2020	1	0	0	1	0	0
KPC	2	2020	2	0	0	1	0	0
KPC	2	2020	3	0	0	1	0	0
KPC	2	2020	4	0	0	1	0	0
KPC	2	2020	5	0	0	1	0	0
KPC	2	2020	6	0	0	1	0	0
KPC	2	2020	7	0	0	1	0	0
KPC	2	2020	8	0	0	1	0	0
KPC	2	2020	9	0	0	1	0	0
KPC	2	2020	10	0	0	1	0	0
KPC	2	2020	11	0	0	1	0	0
KPC	2	2020	12	0	0	1	0	0
KPC	2	2021	1	0	0	1	0	0
KPC	2	2021	2	0	0	1	0	0
KPC	2	2021	3	0	0	1	0	0
KPC	2	2021	4	0	0	1	0	0
KPC	2	2021	5	0	0	1	0	0
KPC	2	2021	6	0	0	1	0	0
KPC	2	2021	7	0	0	1	0	0
KPC	2	2021	8	0	0	1	0	0
KPC	2	2021	9	0	0	1	0	0
KPC	2	2021	10	0	0	1	0	0
KPC	2	2021	11	0	0	1	0	0
KPC	2	2021	12	0	0	1	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	com2	com3	com4	ind1	ind2
KPC	2	2022	1		0	0	1	0
KPC	2	2022	2		0	0	1	0
KPC	2	2022	3		0	0	1	0
KPC	2	2022	4		0	0	1	0
KPC	2	2022	5		0	0	1	0
KPC	2	2022	6		0	0	1	0
KPC	2	2022	7		0	0	1	0
KPC	2	2022	8		0	0	1	0
KPC	2	2022	9		0	0	1	0
KPC	2	2022	10		0	0	1	0
KPC	2	2022	11		0	0	1	0
KPC	2	2022	12		0	0	1	0
KPC	3.1	2009	1		0	0	0	0
KPC	3.1	2009	2		0	0	0	0
KPC	3.1	2009	3		0	0	0	0
KPC	3.1	2009	4		0	0	0	0
KPC	3.1	2009	5		0	0	0	0
KPC	3.1	2009	6		0	0	0	0
KPC	3.1	2009	7		0	0	0	0
KPC	3.1	2009	8		0	0	0	0
KPC	3.1	2009	9		0	0	0	0
KPC	3.1	2009	10		0	0	0	0
KPC	3.1	2009	11		0	0	0	0
KPC	3.1	2009	12		0	0	0	0
KPC	3.1	2010	1		0	0	0	0
KPC	3.1	2010	2		0	0	0	0
KPC	3.1	2010	3		0	0	0	0
KPC	3.1	2010	4		0	0	0	0
KPC	3.1	2010	5		0	0	0	0
KPC	3.1	2010	6		0	0	0	0
KPC	3.1	2010	7		0	0	0	1
KPC	3.1	2010	8		0	0	0	0
KPC	3.1	2010	9		0	0	0	0
KPC	3.1	2010	10		0	0	0	0
KPC	3.1	2010	11		0	0	0	0
KPC	3.1	2010	12		0	0	0	0
KPC	3.1	2010	1		0	0	0	0
KPC	3.1	2010	2		0	0	0	0
KPC	3.1	2010	3		0	0	0	0
KPC	3.1	2010	4		0	0	0	0
KPC	3.1	2010	5		0	0	0	0
KPC	3.1	2010	6		0	0	0	0
KPC	3.1	2010	7		0	0	0	0
KPC	3.1	2010	8		0	0	0	0
KPC	3.1	2010	9		0	0	0	0
KPC	3.1	2010	10		0	0	0	0
KPC	3.1	2010	11		0	0	0	0
KPC	3.1	2010	12		0	0	0	0

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	com2	com3	com4	ind1	ind2
KPC	3.1	2011	1		0	0	0	0
KPC	3.1	2011	2		0	0	0	0
KPC	3.1	2011	3		0	0	0	0
KPC	3.1	2011	4		0	0	0	0
KPC	3.1	2011	5		0	0	0	0
KPC	3.1	2011	6		0	0	0	0
KPC	3.1	2011	7		0	0	0	0
KPC	3.1	2011	8		0	0	0	0
KPC	3.1	2011	9		0	0	0	0
KPC	3.1	2011	10		0	0	0	0
KPC	3.1	2011	11		0	0	0	0
KPC	3.1	2011	12		0	0	0	0
KPC	3.1	2012	1		0	0	0	0
KPC	3.1	2012	2		0	0	0	0
KPC	3.1	2012	3		0	0	0	0
KPC	3.1	2012	4		0	0	0	0
KPC	3.1	2012	5		0	0	0	0
KPC	3.1	2012	6		0	0	0	0
KPC	3.1	2012	7		0	0	0	0
KPC	3.1	2012	8		0	0	0	0
KPC	3.1	2012	9		0	0	0	0
KPC	3.1	2012	10		0	0	0	0
KPC	3.1	2012	11		0	0	0	0
KPC	3.1	2012	12		0	0	0	0
KPC	3.1	2013	1		0	0	0	0
KPC	3.1	2013	2		0	0	0	0
KPC	3.1	2013	3		0	0	0	0
KPC	3.1	2013	4		0	0	0	0
KPC	3.1	2013	5		0	0	0	0
KPC	3.1	2013	6		0	0	0	0
KPC	3.1	2013	7		0	0	0	0
KPC	3.1	2013	8		0	0	0	0
KPC	3.1	2013	9		0	0	0	0
KPC	3.1	2013	10		0	0	0	0
KPC	3.1	2013	11		0	0	0	0
KPC	3.1	2013	12		0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	com2	com3	com4	ind1	ind2
KPC	3.1	2014	1		0	0	0	0
KPC	3.1	2014	2		0	0	0	0
KPC	3.1	2014	3		0	0	0	0
KPC	3.1	2014	4		0	0	0	0
KPC	3.1	2014	5		0	0	0	0
KPC	3.1	2014	6		0	0	0	0
KPC	3.1	2014	7		0	0	0	0
KPC	3.1	2014	8		0	0	0	0
KPC	3.1	2014	9		0	0	0	0
KPC	3.1	2014	10		0	0	0	0
KPC	3.1	2014	11		0	0	0	0
KPC	3.1	2014	12		0	0	0	0
KPC	3.1	2015	1		0	0	0	0
KPC	3.1	2015	2		0	0	0	0
KPC	3.1	2015	3		0	0	0	0
KPC	3.1	2015	4		0	0	0	0
KPC	3.1	2015	5		0	0	0	0
KPC	3.1	2015	6		0	0	0	0
KPC	3.1	2015	7		0	0	0	0
KPC	3.1	2015	8		0	0	0	0
KPC	3.1	2015	9		0	0	0	0
KPC	3.1	2015	10		0	0	0	0
KPC	3.1	2015	11		0	0	0	0
KPC	3.1	2015	12		0	0	0	0
KPC	3.1	2016	1		0	0	0	0
KPC	3.1	2016	2		0	0	0	0
KPC	3.1	2016	3		0	0	0	0
KPC	3.1	2016	4		0	0	0	0
KPC	3.1	2016	5		0	0	0	0
KPC	3.1	2016	6		0	0	0	0
KPC	3.1	2016	7		0	0	0	0
KPC	3.1	2016	8		0	0	0	0
KPC	3.1	2016	9		0	0	0	0
KPC	3.1	2016	10		0	0	0	0
KPC	3.1	2016	11		0	0	0	0
KPC	3.1	2016	12		0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	com2	com3	com4	ind1	ind2
KPC	3.1	2017	1		0	0	0	0
KPC	3.1	2017	2		0	0	0	0
KPC	3.1	2017	3		0	0	0	0
KPC	3.1	2017	4		0	0	0	0
KPC	3.1	2017	5		0	0	0	0
KPC	3.1	2017	6		0	0	0	0
KPC	3.1	2017	7		0	0	0	0
KPC	3.1	2017	8		0	0	0	0
KPC	3.1	2017	9		0	0	0	0
KPC	3.1	2017	10		0	0	0	0
KPC	3.1	2017	11		0	0	0	0
KPC	3.1	2017	12		0	0	0	0
KPC	3.1	2018	1		0	0	0	0
KPC	3.1	2018	2		0	0	0	0
KPC	3.1	2018	3		0	0	0	0
KPC	3.1	2018	4		0	0	0	0
KPC	3.1	2018	5		0	0	0	0
KPC	3.1	2018	6		0	0	0	0
KPC	3.1	2018	7		0	0	0	0
KPC	3.1	2018	8		0	0	0	0
KPC	3.1	2018	9		0	0	0	0
KPC	3.1	2018	10		0	0	0	0
KPC	3.1	2018	11		0	0	0	0
KPC	3.1	2018	12		0	0	0	0
KPC	3.1	2019	1		0	0	0	0
KPC	3.1	2019	2		0	0	0	0
KPC	3.1	2019	3		0	0	0	0
KPC	3.1	2019	4		0	0	0	0
KPC	3.1	2019	5		0	0	0	0
KPC	3.1	2019	6		0	0	0	0
KPC	3.1	2019	7		0	0	0	0
KPC	3.1	2019	8		0	0	0	0
KPC	3.1	2019	9		0	0	0	0
KPC	3.1	2019	10		0	0	0	0
KPC	3.1	2019	11		0	0	0	0
KPC	3.1	2019	12		0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	com2	com3	com4	ind1	ind2
KPC	3.1	2020	1		0	0	0	0
KPC	3.1	2020	2		0	0	0	0
KPC	3.1	2020	3		0	0	0	0
KPC	3.1	2020	4		0	0	0	0
KPC	3.1	2020	5		0	0	0	0
KPC	3.1	2020	6		0	0	0	0
KPC	3.1	2020	7		0	0	0	0
KPC	3.1	2020	8		0	0	0	0
KPC	3.1	2020	9		0	0	0	0
KPC	3.1	2020	10		0	0	0	0
KPC	3.1	2020	11		0	0	0	0
KPC	3.1	2020	12		0	0	0	0
KPC	3.1	2021	1		0	0	0	0
KPC	3.1	2021	2		0	0	0	0
KPC	3.1	2021	3		0	0	0	0
KPC	3.1	2021	4		0	0	0	0
KPC	3.1	2021	5		0	0	0	0
KPC	3.1	2021	6		0	0	0	0
KPC	3.1	2021	7		0	0	0	0
KPC	3.1	2021	8		0	0	0	0
KPC	3.1	2021	9		0	0	0	0
KPC	3.1	2021	10		0	0	0	0
KPC	3.1	2021	11		0	0	0	0
KPC	3.1	2021	12		0	0	0	0
KPC	3.1	2022	1		0	0	0	0
KPC	3.1	2022	2		0	0	0	0
KPC	3.1	2022	3		0	0	0	0
KPC	3.1	2022	4		0	0	0	0
KPC	3.1	2022	5		0	0	0	0
KPC	3.1	2022	6		0	0	0	0
KPC	3.1	2022	7		0	0	0	0
KPC	3.1	2022	8		0	0	0	0
KPC	3.1	2022	9		0	0	0	0
KPC	3.1	2022	10		0	0	0	0
KPC	3.1	2022	11		0	0	0	0
KPC	3.1	2022	12		0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	com2	com3	com4	ind1	ind2
KPC	3.15	2009	1		0	0	0	0
KPC	3.15	2009	2		0	0	0	0
KPC	3.15	2009	3		0	0	0	0
KPC	3.15	2009	4		0	0	0	0
KPC	3.15	2009	5		0	0	0	0
KPC	3.15	2009	6		0	0	0	0
KPC	3.15	2009	7		0	0	0	0
KPC	3.15	2009	8		0	0	0	0
KPC	3.15	2009	9		0	0	0	0
KPC	3.15	2009	10		0	0	0	0
KPC	3.15	2009	11		0	0	0	0
KPC	3.15	2009	12		0	0	0	0
KPC	3.15	2010	1		0	0	0	0
KPC	3.15	2010	2		0	0	0	0
KPC	3.15	2010	3		0	0	0	0
KPC	3.15	2010	4		0	0	0	0
KPC	3.15	2010	5		0	0	0	0
KPC	3.15	2010	6		0	0	0	0
KPC	3.15	2010	7		0	0	0	0
KPC	3.15	2010	8		0	0	0	0
KPC	3.15	2010	9		0	0	0	0
KPC	3.15	2010	10		0	0	0	0
KPC	3.15	2010	11		0	0	0	0
KPC	3.15	2010	12		0	0	0	0
KPC	3.15	2011	1		0	0	0	0
KPC	3.15	2011	2		0	0	0	0
KPC	3.15	2011	3		0	0	0	0
KPC	3.15	2011	4		0	0	0	0
KPC	3.15	2011	5		0	0	0	0
KPC	3.15	2011	6		0	0	0	0
KPC	3.15	2011	7		0	0	0	0
KPC	3.15	2011	8		0	0	0	0
KPC	3.15	2011	9		0	0	0	0
KPC	3.15	2011	10		0	0	0	0
KPC	3.15	2011	11		0	0	0	0
KPC	3.15	2011	12		0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	com2	com3	com4	ind1	ind2
KPC	3.15	2012	1		0	0	0	0
KPC	3.15	2012	2		0	0	0	0
KPC	3.15	2012	3		0	0	0	0
KPC	3.15	2012	4		0	0	0	0
KPC	3.15	2012	5		0	0	0	0
KPC	3.15	2012	6		0	0	0	0
KPC	3.15	2012	7		0	0	0	0
KPC	3.15	2012	8		0	0	0	0
KPC	3.15	2012	9		0	0	0	0
KPC	3.15	2012	10		0	0	0	0
KPC	3.15	2012	11		0	0	0	0
KPC	3.15	2012	12		0	0	0	0
KPC	3.15	2013	1		0	0	0	0
KPC	3.15	2013	2		0	0	0	0
KPC	3.15	2013	3		0	0	0	0
KPC	3.15	2013	4		0	0	0	0
KPC	3.15	2013	5		0	0	0	0
KPC	3.15	2013	6		0	0	0	0
KPC	3.15	2013	7		0	0	0	0
KPC	3.15	2013	8		0	0	0	0
KPC	3.15	2013	9		0	0	0	0
KPC	3.15	2013	10		0	0	0	0
KPC	3.15	2013	11		0	0	0	0
KPC	3.15	2013	12		0	0	0	0
KPC	3.15	2014	1		0	0	0	0
KPC	3.15	2014	2		0	0	0	0
KPC	3.15	2014	3		0	0	0	0
KPC	3.15	2014	4		0	0	0	0
KPC	3.15	2014	5		0	0	0	0
KPC	3.15	2014	6		0	0	0	0
KPC	3.15	2014	7		0	0	0	0
KPC	3.15	2014	8		0	0	0	0
KPC	3.15	2014	9		0	0	0	0
KPC	3.15	2014	10		0	0	0	0
KPC	3.15	2014	11		0	0	0	0
KPC	3.15	2014	12		0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	com2	com3	com4	ind1	ind2
KPC	3.15	2015	1	0	0	0	0	0
KPC	3.15	2015	2	0	0	0	0	0
KPC	3.15	2015	3	0	0	0	0	0
KPC	3.15	2015	4	0	0	0	0	0
KPC	3.15	2015	5	0	0	0	0	0
KPC	3.15	2015	6	0	0	0	0	0
KPC	3.15	2015	7	0	0	0	0	0
KPC	3.15	2015	8	0	0	0	0	0
KPC	3.15	2015	9	0	0	0	0	0
KPC	3.15	2015	10	0	0	0	0	0
KPC	3.15	2015	11	0	0	0	0	0
KPC	3.15	2015	12	0	0	0	0	0
KPC	3.15	2016	1	0	0	0	0	0
KPC	3.15	2016	2	0	0	0	0	0
KPC	3.15	2016	3	0	0	0	0	0
KPC	3.15	2016	4	0	0	0	0	0
KPC	3.15	2016	5	0	0	0	0	0
KPC	3.15	2016	6	0	0	0	0	0
KPC	3.15	2016	7	0	0	0	0	0
KPC	3.15	2016	8	0	0	0	0	0
KPC	3.15	2016	9	0	0	0	0	0
KPC	3.15	2016	10	0	0	0	0	0
KPC	3.15	2016	11	0	0	0	0	0
KPC	3.15	2016	12	0	0	0	0	0
KPC	3.15	2017	1	0	0	0	0	0
KPC	3.15	2017	2	0	0	0	0	0
KPC	3.15	2017	3	0	0	0	0	0
KPC	3.15	2017	4	0	0	0	0	0
KPC	3.15	2017	5	0	0	0	0	0
KPC	3.15	2017	6	0	0	0	0	0
KPC	3.15	2017	7	0	0	0	0	0
KPC	3.15	2017	8	0	0	0	0	0
KPC	3.15	2017	9	0	0	0	0	0
KPC	3.15	2017	10	0	0	0	0	0
KPC	3.15	2017	11	0	0	0	0	0
KPC	3.15	2017	12	0	0	0	0	0

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	com2	com3	com4	ind1	ind2
KPC	3.15	2018	1		0	0	0	0
KPC	3.15	2018	2		0	0	0	0
KPC	3.15	2018	3		0	0	0	0
KPC	3.15	2018	4		0	0	0	0
KPC	3.15	2018	5		0	0	0	0
KPC	3.15	2018	6		0	0	0	0
KPC	3.15	2018	7		0	0	0	0
KPC	3.15	2018	8		0	0	0	0
KPC	3.15	2018	9		0	0	0	0
KPC	3.15	2018	10		0	0	0	0
KPC	3.15	2018	11		0	0	0	0
KPC	3.15	2018	12		0	0	0	0
KPC	3.15	2019	1		0	0	0	0
KPC	3.15	2019	2		0	0	0	0
KPC	3.15	2019	3		0	0	0	0
KPC	3.15	2019	4		0	0	0	0
KPC	3.15	2019	5		0	0	0	0
KPC	3.15	2019	6		0	0	0	0
KPC	3.15	2019	7		0	0	0	0
KPC	3.15	2019	8		0	0	0	0
KPC	3.15	2019	9		0	0	0	0
KPC	3.15	2019	10		0	0	0	0
KPC	3.15	2019	11		0	0	0	0
KPC	3.15	2019	12		0	0	0	0
KPC	3.15	2020	1		0	0	0	0
KPC	3.15	2020	2		0	0	0	0
KPC	3.15	2020	3		0	0	0	0
KPC	3.15	2020	4		0	0	0	0
KPC	3.15	2020	5		0	0	0	0
KPC	3.15	2020	6		0	0	0	0
KPC	3.15	2020	7		0	0	0	0
KPC	3.15	2020	8		0	0	0	0
KPC	3.15	2020	9		0	0	0	0
KPC	3.15	2020	10		0	0	0	0
KPC	3.15	2020	11		0	0	0	0
KPC	3.15	2020	12		0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	com2	com3	com4	ind1	ind2
KPC	3.15	2021	1		0	0	0	0
KPC	3.15	2021	2		0	0	0	0
KPC	3.15	2021	3		0	0	0	0
KPC	3.15	2021	4		0	0	0	0
KPC	3.15	2021	5		0	0	0	0
KPC	3.15	2021	6		0	0	0	0
KPC	3.15	2021	7		0	0	0	0
KPC	3.15	2021	8		0	0	0	0
KPC	3.15	2021	9		0	0	0	0
KPC	3.15	2021	10		0	0	0	0
KPC	3.15	2021	11		0	0	0	0
KPC	3.15	2021	12		0	0	0	0
KPC	3.15	2022	1		0	0	0	0
KPC	3.15	2022	2		0	0	0	0
KPC	3.15	2022	3		0	0	0	0
KPC	3.15	2022	4		0	0	0	0
KPC	3.15	2022	5		0	0	0	0
KPC	3.15	2022	6		0	0	0	0
KPC	3.15	2022	7		0	0	0	0
KPC	3.15	2022	8		0	0	0	0
KPC	3.15	2022	9		0	0	0	0
KPC	3.15	2022	10		0	0	0	0
KPC	3.15	2022	11		0	0	0	0
KPC	3.15	2022	12		0	0	0	0
KPC	4	2009	1		0	0	0	0
KPC	4	2009	2		0	0	0	0
KPC	4	2009	3		0	0	0	0
KPC	4	2009	4		0	0	0	0
KPC	4	2009	5		0	0	0	0
KPC	4	2009	6		0	0	0	0
KPC	4	2009	7		0	0	0	0
KPC	4	2009	8		0	0	0	0
KPC	4	2009	9		0	0	0	0
KPC	4	2009	10		0	0	0	0
KPC	4	2009	11		0	0	0	0
KPC	4	2009	12		0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	com2	com3	com4	ind1	ind2
KPC	4	2010	1		0	0	0	0
KPC	4	2010	2		0	0	0	0
KPC	4	2010	3		0	0	0	0
KPC	4	2010	4		0	0	0	0
KPC	4	2010	5		0	0	0	0
KPC	4	2010	6		0	0	0	0
KPC	4	2010	7		0	0	0	0
KPC	4	2010	8		0	0	0	0
KPC	4	2010	9		0	0	0	0
KPC	4	2010	10		0	0	0	0
KPC	4	2010	11		0	0	0	0
KPC	4	2010	12		0	0	0	0
KPC	4	2011	1		0	0	0	0
KPC	4	2011	2		0	0	0	0
KPC	4	2011	3		0	0	0	0
KPC	4	2011	4		0	0	0	0
KPC	4	2011	5		0	0	0	0
KPC	4	2011	6		0	0	0	0
KPC	4	2011	7		0	0	0	0
KPC	4	2011	8		0	0	0	0
KPC	4	2011	9		0	0	0	0
KPC	4	2011	10		0	0	0	0
KPC	4	2011	11		0	0	0	0
KPC	4	2011	12		0	0	0	0
KPC	4	2012	1		0	0	0	0
KPC	4	2012	2		0	0	0	0
KPC	4	2012	3		0	0	0	0
KPC	4	2012	4		0	0	0	0
KPC	4	2012	5		0	0	0	0
KPC	4	2012	6		0	0	0	0
KPC	4	2012	7		0	0	0	0
KPC	4	2012	8		0	0	0	0
KPC	4	2012	9		0	0	0	0
KPC	4	2012	10		0	0	0	0
KPC	4	2012	11		0	0	0	0
KPC	4	2012	12		0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	com2	com3	com4	ind1	ind2
KPC	4	2013	1		0	0	0	0
KPC	4	2013	2		0	0	0	0
KPC	4	2013	3		0	0	0	0
KPC	4	2013	4		0	0	0	0
KPC	4	2013	5		0	0	0	0
KPC	4	2013	6		0	0	0	0
KPC	4	2013	7		0	0	0	0
KPC	4	2013	8		0	0	0	0
KPC	4	2013	9		0	0	0	0
KPC	4	2013	10		0	0	0	0
KPC	4	2013	11		0	0	0	0
KPC	4	2013	12		0	0	0	0
KPC	4	2014	1		0	0	0	0
KPC	4	2014	2		0	0	0	0
KPC	4	2014	3		0	0	0	0
KPC	4	2014	4		0	0	0	0
KPC	4	2014	5		0	0	0	0
KPC	4	2014	6		0	0	0	0
KPC	4	2014	7		0	0	0	0
KPC	4	2014	8		0	0	0	0
KPC	4	2014	9		0	0	0	0
KPC	4	2014	10		0	0	0	0
KPC	4	2014	11		0	0	0	0
KPC	4	2014	12		0	0	0	0
KPC	4	2015	1		0	0	0	0
KPC	4	2015	2		0	0	0	0
KPC	4	2015	3		0	0	0	0
KPC	4	2015	4		0	0	0	0
KPC	4	2015	5		0	0	0	0
KPC	4	2015	6		0	0	0	0
KPC	4	2015	7		0	0	0	0
KPC	4	2015	8		0	0	0	0
KPC	4	2015	9		0	0	0	0
KPC	4	2015	10		0	0	0	0
KPC	4	2015	11		0	0	0	0
KPC	4	2015	12		0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	com2	com3	com4	ind1	ind2
KPC	4	2016	1		0	0	0	0
KPC	4	2016	2		0	0	0	0
KPC	4	2016	3		0	0	0	0
KPC	4	2016	4		0	0	0	0
KPC	4	2016	5		0	0	0	0
KPC	4	2016	6		0	0	0	0
KPC	4	2016	7		0	0	0	0
KPC	4	2016	8		0	0	0	0
KPC	4	2016	9		0	0	0	0
KPC	4	2016	10		0	0	0	0
KPC	4	2016	11		0	0	0	0
KPC	4	2016	12		0	0	0	0
KPC	4	2017	1		0	0	0	0
KPC	4	2017	2		0	0	0	0
KPC	4	2017	3		0	0	0	0
KPC	4	2017	4		0	0	0	0
KPC	4	2017	5		0	0	0	0
KPC	4	2017	6		0	0	0	0
KPC	4	2017	7		0	0	0	0
KPC	4	2017	8		0	0	0	0
KPC	4	2017	9		0	0	0	0
KPC	4	2017	10		0	0	0	0
KPC	4	2017	11		0	0	0	0
KPC	4	2017	12		0	0	0	0
KPC	4	2018	1		0	0	0	0
KPC	4	2018	2		0	0	0	0
KPC	4	2018	3		0	0	0	0
KPC	4	2018	4		0	0	0	0
KPC	4	2018	5		0	0	0	0
KPC	4	2018	6		0	0	0	0
KPC	4	2018	7		0	0	0	0
KPC	4	2018	8		0	0	0	0
KPC	4	2018	9		0	0	0	0
KPC	4	2018	10		0	0	0	0
KPC	4	2018	11		0	0	0	0
KPC	4	2018	12		0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	com2	com3	com4	ind1	ind2
KPC	4	2019	1		0	0	0	0
KPC	4	2019	2		0	0	0	0
KPC	4	2019	3		0	0	0	0
KPC	4	2019	4		0	0	0	0
KPC	4	2019	5		0	0	0	0
KPC	4	2019	6		0	0	0	0
KPC	4	2019	7		0	0	0	0
KPC	4	2019	8		0	0	0	0
KPC	4	2019	9		0	0	0	0
KPC	4	2019	10		0	0	0	0
KPC	4	2019	11		0	0	0	0
KPC	4	2019	12		0	0	0	0
KPC	4	2020	1		0	0	0	0
KPC	4	2020	2		0	0	0	0
KPC	4	2020	3		0	0	0	0
KPC	4	2020	4		0	0	0	0
KPC	4	2020	5		0	0	0	0
KPC	4	2020	6		0	0	0	0
KPC	4	2020	7		0	0	0	0
KPC	4	2020	8		0	0	0	0
KPC	4	2020	9		0	0	0	0
KPC	4	2020	10		0	0	0	0
KPC	4	2020	11		0	0	0	0
KPC	4	2020	12		0	0	0	0
KPC	4	2021	1		0	0	0	0
KPC	4	2021	2		0	0	0	0
KPC	4	2021	3		0	0	0	0
KPC	4	2021	4		0	0	0	0
KPC	4	2021	5		0	0	0	0
KPC	4	2021	6		0	0	0	0
KPC	4	2021	7		0	0	0	0
KPC	4	2021	8		0	0	0	0
KPC	4	2021	9		0	0	0	0
KPC	4	2021	10		0	0	0	0
KPC	4	2021	11		0	0	0	0
KPC	4	2021	12		0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	com2	com3	com4	ind1	ind2
KPC	4	2022	1	0	0	0	0	0
KPC	4	2022	2	0	0	0	0	0
KPC	4	2022	3	0	0	0	0	0
KPC	4	2022	4	0	0	0	0	0
KPC	4	2022	5	0	0	0	0	0
KPC	4	2022	6	0	0	0	0	0
KPC	4	2022	7	0	0	0	0	0
KPC	4	2022	8	0	0	0	0	0
KPC	4	2022	9	0	0	0	0	0
KPC	4	2022	10	0	0	0	0	0
KPC	4	2022	11	0	0	0	0	0
KPC	4	2022	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind3	ind4	ind5	ind6	ind7
KPC	1	2009	1	0	0	0	0	0
KPC	1	2009	2	0	0	0	0	0
KPC	1	2009	3	0	0	0	0	0
KPC	1	2009	4	0	0	0	0	0
KPC	1	2009	5	0	0	0	0	0
KPC	1	2009	6	0	0	0	0	0
KPC	1	2009	7	0	0	0	0	0
KPC	1	2009	8	0	0	0	0	0
KPC	1	2009	9	0	0	0	0	0
KPC	1	2009	10	0	0	0	0	0
KPC	1	2009	11	0	0	0	0	0
KPC	1	2009	12	0	0	0	0	0
KPC	1	2010	1	0	0	0	0	0
KPC	1	2010	2	0	0	0	0	0
KPC	1	2010	3	0	0	0	0	0
KPC	1	2010	4	0	0	0	0	0
KPC	1	2010	5	0	0	0	0	0
KPC	1	2010	6	0	0	0	0	0
KPC	1	2010	7	0	0	0	0	0
KPC	1	2010	8	0	0	0	0	0
KPC	1	2010	9	0	0	0	0	0
KPC	1	2010	10	0	0	0	0	0
KPC	1	2010	11	0	0	0	0	0
KPC	1	2010	12	0	0	0	0	0
KPC	1	2011	1	0	0	0	0	0
KPC	1	2011	2	0	0	0	0	0
KPC	1	2011	3	0	0	0	0	0
KPC	1	2011	4	0	0	0	0	0
KPC	1	2011	5	0	0	0	0	0
KPC	1	2011	6	0	0	0	0	0
KPC	1	2011	7	0	0	0	0	0
KPC	1	2011	8	0	0	0	0	0
KPC	1	2011	9	0	0	0	0	0
KPC	1	2011	10	0	0	0	0	0
KPC	1	2011	11	0	0	0	0	0
KPC	1	2011	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind3	ind4	ind5	ind6	ind7
KPC	1	2012	1	0	0	0	0	0
KPC	1	2012	2	0	0	0	0	0
KPC	1	2012	3	0	0	0	0	0
KPC	1	2012	4	0	0	0	0	0
KPC	1	2012	5	0	0	0	0	0
KPC	1	2012	6	0	0	0	0	0
KPC	1	2012	7	0	0	0	0	0
KPC	1	2012	8	0	0	0	0	0
KPC	1	2012	9	0	0	0	0	0
KPC	1	2012	10	0	0	0	0	0
KPC	1	2012	11	0	0	0	0	0
KPC	1	2012	12	0	0	0	0	0
KPC	1	2013	1	0	0	0	0	0
KPC	1	2013	2	0	0	0	0	0
KPC	1	2013	3	0	0	0	0	0
KPC	1	2013	4	0	0	0	0	0
KPC	1	2013	5	0	0	0	0	0
KPC	1	2013	6	0	0	0	0	0
KPC	1	2013	7	0	0	0	0	0
KPC	1	2013	8	0	0	0	0	0
KPC	1	2013	9	0	0	0	0	0
KPC	1	2013	10	0	0	0	0	0
KPC	1	2013	11	0	0	0	0	0
KPC	1	2013	12	0	0	0	0	0
KPC	1	2014	1	0	0	0	0	0
KPC	1	2014	2	0	0	0	0	0
KPC	1	2014	3	0	0	0	0	0
KPC	1	2014	4	0	0	0	0	0
KPC	1	2014	5	0	0	0	0	0
KPC	1	2014	6	0	0	0	0	0
KPC	1	2014	7	0	0	0	0	0
KPC	1	2014	8	0	0	0	0	0
KPC	1	2014	9	0	0	0	0	0
KPC	1	2014	10	0	0	0	0	0
KPC	1	2014	11	0	0	0	0	0
KPC	1	2014	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind3	ind4	ind5	ind6	ind7
KPC	1	2015	1	0	0	0	0	0
KPC	1	2015	2	0	0	0	0	0
KPC	1	2015	3	0	0	0	0	0
KPC	1	2015	4	0	0	0	0	0
KPC	1	2015	5	0	0	0	0	0
KPC	1	2015	6	0	0	0	0	0
KPC	1	2015	7	0	0	0	0	0
KPC	1	2015	8	0	0	0	0	0
KPC	1	2015	9	0	0	0	0	0
KPC	1	2015	10	0	0	0	0	0
KPC	1	2015	11	0	0	0	0	0
KPC	1	2015	12	0	0	0	0	0
KPC	1	2016	1	0	0	0	0	0
KPC	1	2016	2	0	0	0	0	0
KPC	1	2016	3	0	0	0	0	0
KPC	1	2016	4	0	0	0	0	0
KPC	1	2016	5	0	0	0	0	0
KPC	1	2016	6	0	0	0	0	0
KPC	1	2016	7	0	0	0	0	0
KPC	1	2016	8	0	0	0	0	0
KPC	1	2016	9	0	0	0	0	0
KPC	1	2016	10	0	0	0	0	0
KPC	1	2016	11	0	0	0	0	0
KPC	1	2016	12	0	0	0	0	0
KPC	1	2017	1	0	0	0	0	0
KPC	1	2017	2	0	0	0	0	0
KPC	1	2017	3	0	0	0	0	0
KPC	1	2017	4	0	0	0	0	0
KPC	1	2017	5	0	0	0	0	0
KPC	1	2017	6	0	0	0	0	0
KPC	1	2017	7	0	0	0	0	0
KPC	1	2017	8	0	0	0	0	0
KPC	1	2017	9	0	0	0	0	0
KPC	1	2017	10	0	0	0	0	0
KPC	1	2017	11	0	0	0	0	0
KPC	1	2017	12	0	0	0	0	0

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind3	ind4	ind5	ind6	ind7
KPC	1	2018	1	0	0	0	0	0
KPC	1	2018	2	0	0	0	0	0
KPC	1	2018	3	0	0	0	0	0
KPC	1	2018	4	0	0	0	0	0
KPC	1	2018	5	0	0	0	0	0
KPC	1	2018	6	0	0	0	0	0
KPC	1	2018	7	0	0	0	0	0
KPC	1	2018	8	0	0	0	0	0
KPC	1	2018	9	0	0	0	0	0
KPC	1	2018	10	0	0	0	0	0
KPC	1	2018	11	0	0	0	0	0
KPC	1	2018	12	0	0	0	0	0
KPC	1	2019	1	0	0	0	0	0
KPC	1	2019	2	0	0	0	0	0
KPC	1	2019	3	0	0	0	0	0
KPC	1	2019	4	0	0	0	0	0
KPC	1	2019	5	0	0	0	0	0
KPC	1	2019	6	0	0	0	0	0
KPC	1	2019	7	0	0	0	0	0
KPC	1	2019	8	0	0	0	0	0
KPC	1	2019	9	0	0	0	0	0
KPC	1	2019	10	0	0	0	0	0
KPC	1	2019	11	0	0	0	0	0
KPC	1	2019	12	0	0	0	0	0
KPC	1	2020	1	0	0	0	0	0
KPC	1	2020	2	0	0	0	0	0
KPC	1	2020	3	0	0	0	0	0
KPC	1	2020	4	0	0	0	0	0
KPC	1	2020	5	0	0	0	0	0
KPC	1	2020	6	0	0	0	0	0
KPC	1	2020	7	0	0	0	0	0
KPC	1	2020	8	0	0	0	0	0
KPC	1	2020	9	0	0	0	0	0
KPC	1	2020	10	0	0	0	0	0
KPC	1	2020	11	0	0	0	0	0
KPC	1	2020	12	0	0	0	0	0

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind3	ind4	ind5	ind6	ind7
KPC	1	2021	1	0	0	0	0	0
KPC	1	2021	2	0	0	0	0	0
KPC	1	2021	3	0	0	0	0	0
KPC	1	2021	4	0	0	0	0	0
KPC	1	2021	5	0	0	0	0	0
KPC	1	2021	6	0	0	0	0	0
KPC	1	2021	7	0	0	0	0	0
KPC	1	2021	8	0	0	0	0	0
KPC	1	2021	9	0	0	0	0	0
KPC	1	2021	10	0	0	0	0	0
KPC	1	2021	11	0	0	0	0	0
KPC	1	2021	12	0	0	0	0	0
KPC	1	2022	1	0	0	0	0	0
KPC	1	2022	2	0	0	0	0	0
KPC	1	2022	3	0	0	0	0	0
KPC	1	2022	4	0	0	0	0	0
KPC	1	2022	5	0	0	0	0	0
KPC	1	2022	6	0	0	0	0	0
KPC	1	2022	7	0	0	0	0	0
KPC	1	2022	8	0	0	0	0	0
KPC	1	2022	9	0	0	0	0	0
KPC	1	2022	10	0	0	0	0	0
KPC	1	2022	11	0	0	0	0	0
KPC	1	2022	12	0	0	0	0	0
KPC	2	2009	1	0	0	0	0	0
KPC	2	2009	2	0	0	0	0	0
KPC	2	2009	3	0	0	0	0	0
KPC	2	2009	4	0	0	0	0	0
KPC	2	2009	5	0	0	0	0	0
KPC	2	2009	6	0	0	0	0	0
KPC	2	2009	7	0	0	0	0	0
KPC	2	2009	8	0	0	0	0	0
KPC	2	2009	9	0	0	0	0	0
KPC	2	2009	10	0	0	0	0	0
KPC	2	2009	11	0	0	0	0	0
KPC	2	2009	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind3	ind4	ind5	ind6	ind7
KPC	2	2010	1	0	0	0	0	0
KPC	2	2010	2	0	0	0	0	0
KPC	2	2010	3	0	0	0	0	0
KPC	2	2010	4	0	0	0	0	0
KPC	2	2010	5	0	0	0	0	0
KPC	2	2010	6	0	0	0	0	0
KPC	2	2010	7	0	0	0	0	0
KPC	2	2010	8	0	0	0	0	0
KPC	2	2010	9	0	0	0	0	0
KPC	2	2010	10	0	0	0	0	0
KPC	2	2010	11	0	0	0	0	0
KPC	2	2010	12	0	0	0	0	0
KPC	2	2011	1	0	0	0	0	0
KPC	2	2011	2	0	0	0	0	0
KPC	2	2011	3	0	0	0	0	0
KPC	2	2011	4	0	0	0	0	0
KPC	2	2011	5	0	0	0	0	0
KPC	2	2011	6	0	0	0	0	0
KPC	2	2011	7	0	0	0	0	0
KPC	2	2011	8	0	0	0	0	0
KPC	2	2011	9	0	0	0	0	0
KPC	2	2011	10	0	0	0	0	0
KPC	2	2011	11	0	0	0	0	0
KPC	2	2011	12	0	0	0	0	0
KPC	2	2012	1	0	0	0	0	0
KPC	2	2012	2	0	0	0	0	0
KPC	2	2012	3	0	0	0	0	0
KPC	2	2012	4	0	0	0	0	0
KPC	2	2012	5	0	0	0	0	0
KPC	2	2012	6	0	0	0	0	0
KPC	2	2012	7	0	0	0	0	0
KPC	2	2012	8	0	0	0	0	0
KPC	2	2012	9	0	0	0	0	0
KPC	2	2012	10	0	0	0	0	0
KPC	2	2012	11	0	0	0	0	0
KPC	2	2012	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind3	ind4	ind5	ind6	ind7
KPC	2	2013	1	0	0	0	0	0
KPC	2	2013	2	0	0	0	0	0
KPC	2	2013	3	0	0	0	0	0
KPC	2	2013	4	0	0	0	0	0
KPC	2	2013	5	0	0	0	0	0
KPC	2	2013	6	0	0	0	0	0
KPC	2	2013	7	0	0	0	0	0
KPC	2	2013	8	0	0	0	0	0
KPC	2	2013	9	0	0	0	0	0
KPC	2	2013	10	0	0	0	0	0
KPC	2	2013	11	0	0	0	0	0
KPC	2	2013	12	0	0	0	0	0
KPC	2	2014	1	0	0	0	0	0
KPC	2	2014	2	0	0	0	0	0
KPC	2	2014	3	0	0	0	0	0
KPC	2	2014	4	0	0	0	0	0
KPC	2	2014	5	0	0	0	0	0
KPC	2	2014	6	0	0	0	0	0
KPC	2	2014	7	0	0	0	0	0
KPC	2	2014	8	0	0	0	0	0
KPC	2	2014	9	0	0	0	0	0
KPC	2	2014	10	0	0	0	0	0
KPC	2	2014	11	0	0	0	0	0
KPC	2	2014	12	0	0	0	0	0
KPC	2	2015	1	0	0	0	0	0
KPC	2	2015	2	0	0	0	0	0
KPC	2	2015	3	0	0	0	0	0
KPC	2	2015	4	0	0	0	0	0
KPC	2	2015	5	0	0	0	0	0
KPC	2	2015	6	0	0	0	0	0
KPC	2	2015	7	0	0	0	0	0
KPC	2	2015	8	0	0	0	0	0
KPC	2	2015	9	0	0	0	0	0
KPC	2	2015	10	0	0	0	0	0
KPC	2	2015	11	0	0	0	0	0
KPC	2	2015	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind3	ind4	ind5	ind6	ind7
KPC	2	2016	1	0	0	0	0	0
KPC	2	2016	2	0	0	0	0	0
KPC	2	2016	3	0	0	0	0	0
KPC	2	2016	4	0	0	0	0	0
KPC	2	2016	5	0	0	0	0	0
KPC	2	2016	6	0	0	0	0	0
KPC	2	2016	7	0	0	0	0	0
KPC	2	2016	8	0	0	0	0	0
KPC	2	2016	9	0	0	0	0	0
KPC	2	2016	10	0	0	0	0	0
KPC	2	2016	11	0	0	0	0	0
KPC	2	2016	12	0	0	0	0	0
KPC	2	2017	1	0	0	0	0	0
KPC	2	2017	2	0	0	0	0	0
KPC	2	2017	3	0	0	0	0	0
KPC	2	2017	4	0	0	0	0	0
KPC	2	2017	5	0	0	0	0	0
KPC	2	2017	6	0	0	0	0	0
KPC	2	2017	7	0	0	0	0	0
KPC	2	2017	8	0	0	0	0	0
KPC	2	2017	9	0	0	0	0	0
KPC	2	2017	10	0	0	0	0	0
KPC	2	2017	11	0	0	0	0	0
KPC	2	2017	12	0	0	0	0	0
KPC	2	2018	1	0	0	0	0	0
KPC	2	2018	2	0	0	0	0	0
KPC	2	2018	3	0	0	0	0	0
KPC	2	2018	4	0	0	0	0	0
KPC	2	2018	5	0	0	0	0	0
KPC	2	2018	6	0	0	0	0	0
KPC	2	2018	7	0	0	0	0	0
KPC	2	2018	8	0	0	0	0	0
KPC	2	2018	9	0	0	0	0	0
KPC	2	2018	10	0	0	0	0	0
KPC	2	2018	11	0	0	0	0	0
KPC	2	2018	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind3	ind4	ind5	ind6	ind7
KPC	2	2019	1	0	0	0	0	0
KPC	2	2019	2	0	0	0	0	0
KPC	2	2019	3	0	0	0	0	0
KPC	2	2019	4	0	0	0	0	0
KPC	2	2019	5	0	0	0	0	0
KPC	2	2019	6	0	0	0	0	0
KPC	2	2019	7	0	0	0	0	0
KPC	2	2019	8	0	0	0	0	0
KPC	2	2019	9	0	0	0	0	0
KPC	2	2019	10	0	0	0	0	0
KPC	2	2019	11	0	0	0	0	0
KPC	2	2019	12	0	0	0	0	0
KPC	2	2020	1	0	0	0	0	0
KPC	2	2020	2	0	0	0	0	0
KPC	2	2020	3	0	0	0	0	0
KPC	2	2020	4	0	0	0	0	0
KPC	2	2020	5	0	0	0	0	0
KPC	2	2020	6	0	0	0	0	0
KPC	2	2020	7	0	0	0	0	0
KPC	2	2020	8	0	0	0	0	0
KPC	2	2020	9	0	0	0	0	0
KPC	2	2020	10	0	0	0	0	0
KPC	2	2020	11	0	0	0	0	0
KPC	2	2020	12	0	0	0	0	0
KPC	2	2021	1	0	0	0	0	0
KPC	2	2021	2	0	0	0	0	0
KPC	2	2021	3	0	0	0	0	0
KPC	2	2021	4	0	0	0	0	0
KPC	2	2021	5	0	0	0	0	0
KPC	2	2021	6	0	0	0	0	0
KPC	2	2021	7	0	0	0	0	0
KPC	2	2021	8	0	0	0	0	0
KPC	2	2021	9	0	0	0	0	0
KPC	2	2021	10	0	0	0	0	0
KPC	2	2021	11	0	0	0	0	0
KPC	2	2021	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind3	ind4	ind5	ind6	ind7
KPC	2	2022	1	0	0	0	0	0
KPC	2	2022	2	0	0	0	0	0
KPC	2	2022	3	0	0	0	0	0
KPC	2	2022	4	0	0	0	0	0
KPC	2	2022	5	0	0	0	0	0
KPC	2	2022	6	0	0	0	0	0
KPC	2	2022	7	0	0	0	0	0
KPC	2	2022	8	0	0	0	0	0
KPC	2	2022	9	0	0	0	0	0
KPC	2	2022	10	0	0	0	0	0
KPC	2	2022	11	0	0	0	0	0
KPC	2	2022	12	0	0	0	0	0
KPC	3.1	2009	1	0	0	0	0	0
KPC	3.1	2009	2	0	0	0	0	0
KPC	3.1	2009	3	0	0	0	0	0
KPC	3.1	2009	4	0	0	0	0	0
KPC	3.1	2009	5	0	0	0	0	0
KPC	3.1	2009	6	0	0	0	0	0
KPC	3.1	2009	7	0	0	0	0	0
KPC	3.1	2009	8	0	-1	0	0	0
KPC	3.1	2009	9	0	0	0	0	0
KPC	3.1	2009	10	0	1	0	0	0
KPC	3.1	2009	11	0	0	0	0	0
KPC	3.1	2009	12	0	0	0	0	0
KPC	3.1	2010	1	0	0	0	0	0
KPC	3.1	2010	2	0	0	0	0	0
KPC	3.1	2010	3	0	0	0	0	0
KPC	3.1	2010	4	0	0	0	0	0
KPC	3.1	2010	5	0	0	0	0	0
KPC	3.1	2010	6	0	0	0	0	0
KPC	3.1	2010	7	0	0	0	0	0
KPC	3.1	2010	8	0	0	0	0	0
KPC	3.1	2010	9	0	0	0	0	0
KPC	3.1	2010	10	0	0	0	0	0
KPC	3.1	2010	11	0	0	0	0	0
KPC	3.1	2010	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind3	ind4	ind5	ind6	ind7
KPC	3.1	2011	1	0	0	0	0	0
KPC	3.1	2011	2	0	0	0	1	0
KPC	3.1	2011	3	0	0	0	-1	0
KPC	3.1	2011	4	0	0	0	0	0
KPC	3.1	2011	5	0	0	0	0	0
KPC	3.1	2011	6	0	0	0	0	0
KPC	3.1	2011	7	0	0	0	0	0
KPC	3.1	2011	8	0	0	0	0	0
KPC	3.1	2011	9	0	0	0	0	0
KPC	3.1	2011	10	0	0	0	0	0
KPC	3.1	2011	11	0	0	0	0	0
KPC	3.1	2011	12	0	0	0	0	0
KPC	3.1	2012	1	0	0	0	0	0
KPC	3.1	2012	2	0	0	0	0	0
KPC	3.1	2012	3	0	0	0	0	0
KPC	3.1	2012	4	0	0	0	0	0
KPC	3.1	2012	5	0	0	0	0	0
KPC	3.1	2012	6	0	0	0	0	0
KPC	3.1	2012	7	0	0	0	0	0
KPC	3.1	2012	8	0	0	0	0	0
KPC	3.1	2012	9	0	0	0	0	0
KPC	3.1	2012	10	0	0	0	0	0
KPC	3.1	2012	11	0	0	0	0	0
KPC	3.1	2012	12	0	0	0	0	0
KPC	3.1	2013	1	0	0	0	0	0
KPC	3.1	2013	2	0	0	0	0	0
KPC	3.1	2013	3	0	0	0	0	0
KPC	3.1	2013	4	0	0	0	0	0
KPC	3.1	2013	5	0	0	0	0	0
KPC	3.1	2013	6	0	0	0	0	0
KPC	3.1	2013	7	0	0	0	0	0
KPC	3.1	2013	8	0	0	0	0	0
KPC	3.1	2013	9	0	0	0	0	0
KPC	3.1	2013	10	0	0	0	0	0
KPC	3.1	2013	11	0	0	0	0	0
KPC	3.1	2013	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind3	ind4	ind5	ind6	ind7
KPC	3.1	2014	1	0	0	0	0	0
KPC	3.1	2014	2	0	0	0	0	0
KPC	3.1	2014	3	0	0	0	0	0
KPC	3.1	2014	4	0	0	0	0	0
KPC	3.1	2014	5	0	0	0	0	0
KPC	3.1	2014	6	0	0	0	0	0
KPC	3.1	2014	7	0	0	0	0	0
KPC	3.1	2014	8	0	0	0	0	0
KPC	3.1	2014	9	0	0	0	0	0
KPC	3.1	2014	10	0	0	0	0	0
KPC	3.1	2014	11	0	0	0	0	0
KPC	3.1	2014	12	0	0	0	0	0
KPC	3.1	2015	1	0	0	0	0	0
KPC	3.1	2015	2	0	0	0	0	0
KPC	3.1	2015	3	0	0	0	0	0
KPC	3.1	2015	4	0	0	0	0	0
KPC	3.1	2015	5	0	0	0	0	0
KPC	3.1	2015	6	0	0	0	0	0
KPC	3.1	2015	7	0	0	0	0	0
KPC	3.1	2015	8	0	0	0	0	0
KPC	3.1	2015	9	0	0	0	0	0
KPC	3.1	2015	10	0	0	0	0	0
KPC	3.1	2015	11	0	0	0	0	0
KPC	3.1	2015	12	0	0	0	0	0
KPC	3.1	2016	1	0	0	0	0	0
KPC	3.1	2016	2	0	0	0	0	0
KPC	3.1	2016	3	1	0	0	0	0
KPC	3.1	2016	4	0	0	0	0	0
KPC	3.1	2016	5	0	0	0	0	0
KPC	3.1	2016	6	0	0	0	0	0
KPC	3.1	2016	7	0	0	0	0	0
KPC	3.1	2016	8	0	0	0	0	0
KPC	3.1	2016	9	0	0	0	0	0
KPC	3.1	2016	10	0	0	0	0	0
KPC	3.1	2016	11	0	0	0	0	0
KPC	3.1	2016	12	0	0	0	0	1

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind3	ind4	ind5	ind6	ind7
KPC	3.1	2017	1	0	0	0	0	0
KPC	3.1	2017	2	0	0	0	0	0
KPC	3.1	2017	3	0	0	0	0	0
KPC	3.1	2017	4	0	0	0	0	0
KPC	3.1	2017	5	0	0	0	0	-1
KPC	3.1	2017	6	0	0	0	0	1
KPC	3.1	2017	7	0	0	0	0	0
KPC	3.1	2017	8	0	0	0	0	0
KPC	3.1	2017	9	0	0	0	0	0
KPC	3.1	2017	10	0	0	0	0	0
KPC	3.1	2017	11	0	0	0	0	0
KPC	3.1	2017	12	0	0	0	0	0
KPC	3.1	2018	1	0	0	0	0	0
KPC	3.1	2018	2	0	0	0	0	0
KPC	3.1	2018	3	0	0	0	0	0
KPC	3.1	2018	4	0	0	0	0	0
KPC	3.1	2018	5	0	0	0	0	0
KPC	3.1	2018	6	0	0	0	0	0
KPC	3.1	2018	7	0	0	0	0	0
KPC	3.1	2018	8	0	0	0	0	0
KPC	3.1	2018	9	0	0	0	0	0
KPC	3.1	2018	10	0	0	0	0	0
KPC	3.1	2018	11	0	0	0	0	0
KPC	3.1	2018	12	0	0	0	0	0
KPC	3.1	2019	1	0	0	0	0	0
KPC	3.1	2019	2	0	0	0	0	0
KPC	3.1	2019	3	0	0	0	0	0
KPC	3.1	2019	4	0	0	0	0	0
KPC	3.1	2019	5	0	0	0	0	0
KPC	3.1	2019	6	0	0	0	0	0
KPC	3.1	2019	7	0	0	0	0	0
KPC	3.1	2019	8	0	0	0	0	0
KPC	3.1	2019	9	0	0	0	0	0
KPC	3.1	2019	10	0	0	0	0	0
KPC	3.1	2019	11	0	0	0	0	0
KPC	3.1	2019	12	0	0	0	0	0

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind3	ind4	ind5	ind6	ind7
KPC	3.1	2020	1	0	0	0	0	0
KPC	3.1	2020	2	0	0	0	0	0
KPC	3.1	2020	3	0	0	0	0	0
KPC	3.1	2020	4	0	0	0	0	0
KPC	3.1	2020	5	0	0	0	0	0
KPC	3.1	2020	6	0	0	0	0	0
KPC	3.1	2020	7	0	0	0	0	0
KPC	3.1	2020	8	0	0	0	0	0
KPC	3.1	2020	9	0	0	0	0	0
KPC	3.1	2020	10	0	0	0	0	0
KPC	3.1	2020	11	0	0	0	0	0
KPC	3.1	2020	12	0	0	0	0	0
KPC	3.1	2021	1	0	0	0	0	0
KPC	3.1	2021	2	0	0	0	0	0
KPC	3.1	2021	3	0	0	0	0	0
KPC	3.1	2021	4	0	0	0	0	0
KPC	3.1	2021	5	0	0	0	0	0
KPC	3.1	2021	6	0	0	0	0	0
KPC	3.1	2021	7	0	0	0	0	0
KPC	3.1	2021	8	0	0	0	0	0
KPC	3.1	2021	9	0	0	0	0	0
KPC	3.1	2021	10	0	0	0	0	0
KPC	3.1	2021	11	0	0	0	0	0
KPC	3.1	2021	12	0	0	0	0	0
KPC	3.1	2022	1	0	0	0	0	0
KPC	3.1	2022	2	0	0	0	0	0
KPC	3.1	2022	3	0	0	0	0	0
KPC	3.1	2022	4	0	0	0	0	0
KPC	3.1	2022	5	0	0	0	0	0
KPC	3.1	2022	6	0	0	0	0	0
KPC	3.1	2022	7	0	0	0	0	0
KPC	3.1	2022	8	0	0	0	0	0
KPC	3.1	2022	9	0	0	0	0	0
KPC	3.1	2022	10	0	0	0	0	0
KPC	3.1	2022	11	0	0	0	0	0
KPC	3.1	2022	12	0	0	0	0	0

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind3	ind4	ind5	ind6	ind7
KPC	3.15	2009	1	0	0	0	0	0
KPC	3.15	2009	2	0	0	0	0	0
KPC	3.15	2009	3	0	0	0	0	0
KPC	3.15	2009	4	0	0	0	0	0
KPC	3.15	2009	5	0	0	0	0	0
KPC	3.15	2009	6	0	0	0	0	0
KPC	3.15	2009	7	0	0	0	0	0
KPC	3.15	2009	8	0	0	0	0	0
KPC	3.15	2009	9	0	0	0	0	0
KPC	3.15	2009	10	0	0	0	0	0
KPC	3.15	2009	11	0	0	0	0	0
KPC	3.15	2009	12	0	0	0	0	0
KPC	3.15	2010	1	0	0	0	0	0
KPC	3.15	2010	2	0	0	0	0	0
KPC	3.15	2010	3	0	0	0	0	0
KPC	3.15	2010	4	0	0	0	0	0
KPC	3.15	2010	5	0	0	0	0	0
KPC	3.15	2010	6	0	0	0	0	0
KPC	3.15	2010	7	0	0	0	0	0
KPC	3.15	2010	8	0	0	0	0	0
KPC	3.15	2010	9	0	0	0	0	0
KPC	3.15	2010	10	0	0	0	0	0
KPC	3.15	2010	11	0	0	0	0	0
KPC	3.15	2010	12	0	0	0	0	0
KPC	3.15	2011	1	0	0	0	0	0
KPC	3.15	2011	2	0	0	0	0	0
KPC	3.15	2011	3	0	0	0	0	0
KPC	3.15	2011	4	0	0	0	0	0
KPC	3.15	2011	5	0	0	0	0	0
KPC	3.15	2011	6	0	0	0	0	0
KPC	3.15	2011	7	0	0	0	0	0
KPC	3.15	2011	8	0	0	0	0	0
KPC	3.15	2011	9	0	0	0	0	0
KPC	3.15	2011	10	0	0	0	0	0
KPC	3.15	2011	11	0	0	0	0	0
KPC	3.15	2011	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind3	ind4	ind5	ind6	ind7
KPC	3.15	2012	1	0	0	0	0	0
KPC	3.15	2012	2	0	0	0	0	0
KPC	3.15	2012	3	0	0	0	0	0
KPC	3.15	2012	4	0	0	0	0	0
KPC	3.15	2012	5	0	0	0	0	0
KPC	3.15	2012	6	0	0	0	0	0
KPC	3.15	2012	7	0	0	0	0	0
KPC	3.15	2012	8	0	0	0	0	0
KPC	3.15	2012	9	0	0	0	0	0
KPC	3.15	2012	10	0	0	0	0	0
KPC	3.15	2012	11	0	0	0	0	0
KPC	3.15	2012	12	0	0	0	0	0
KPC	3.15	2013	1	0	0	0	0	0
KPC	3.15	2013	2	0	0	0	0	0
KPC	3.15	2013	3	0	0	0	0	0
KPC	3.15	2013	4	0	0	0	0	0
KPC	3.15	2013	5	0	0	0	0	0
KPC	3.15	2013	6	0	0	0	0	0
KPC	3.15	2013	7	0	0	0	0	0
KPC	3.15	2013	8	0	0	0	0	0
KPC	3.15	2013	9	0	0	0	0	0
KPC	3.15	2013	10	0	0	0	0	0
KPC	3.15	2013	11	0	0	0	0	0
KPC	3.15	2013	12	0	0	0	0	0
KPC	3.15	2014	1	0	0	0	0	0
KPC	3.15	2014	2	0	0	0	0	0
KPC	3.15	2014	3	0	0	0	0	0
KPC	3.15	2014	4	0	0	0	0	0
KPC	3.15	2014	5	0	0	0	0	0
KPC	3.15	2014	6	0	0	0	0	0
KPC	3.15	2014	7	0	0	0	0	0
KPC	3.15	2014	8	0	0	0	0	0
KPC	3.15	2014	9	0	0	0	0	0
KPC	3.15	2014	10	0	0	0	0	0
KPC	3.15	2014	11	0	0	0	0	0
KPC	3.15	2014	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind3	ind4	ind5	ind6	ind7
KPC	3.15	2015	1	0	0	0	0	0
KPC	3.15	2015	2	0	0	0	0	0
KPC	3.15	2015	3	0	0	0	0	0
KPC	3.15	2015	4	0	0	0	0	0
KPC	3.15	2015	5	0	0	0	0	0
KPC	3.15	2015	6	0	0	0	0	0
KPC	3.15	2015	7	0	0	0	0	0
KPC	3.15	2015	8	0	0	0	0	0
KPC	3.15	2015	9	0	0	0	0	0
KPC	3.15	2015	10	0	0	0	0	0
KPC	3.15	2015	11	0	0	0	0	0
KPC	3.15	2015	12	0	0	0	0	0
KPC	3.15	2016	1	0	0	0	0	0
KPC	3.15	2016	2	0	0	0	0	0
KPC	3.15	2016	3	0	0	0	0	0
KPC	3.15	2016	4	0	0	0	0	0
KPC	3.15	2016	5	0	0	0	0	0
KPC	3.15	2016	6	0	0	0	0	0
KPC	3.15	2016	7	0	0	0	0	0
KPC	3.15	2016	8	0	0	0	0	0
KPC	3.15	2016	9	0	0	0	0	0
KPC	3.15	2016	10	0	0	0	0	0
KPC	3.15	2016	11	0	0	0	0	0
KPC	3.15	2016	12	0	0	0	0	0
KPC	3.15	2017	1	0	0	0	0	0
KPC	3.15	2017	2	0	0	0	0	0
KPC	3.15	2017	3	0	0	0	0	0
KPC	3.15	2017	4	0	0	0	0	0
KPC	3.15	2017	5	0	0	0	0	0
KPC	3.15	2017	6	0	0	0	0	0
KPC	3.15	2017	7	0	0	0	0	0
KPC	3.15	2017	8	0	0	0	0	0
KPC	3.15	2017	9	0	0	0	0	0
KPC	3.15	2017	10	0	0	0	0	0
KPC	3.15	2017	11	0	0	0	0	0
KPC	3.15	2017	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind3	ind4	ind5	ind6	ind7
KPC	3.15	2018	1	0	0	0	0	0
KPC	3.15	2018	2	0	0	0	0	0
KPC	3.15	2018	3	0	0	0	0	0
KPC	3.15	2018	4	0	0	0	0	0
KPC	3.15	2018	5	0	0	0	0	0
KPC	3.15	2018	6	0	0	0	0	0
KPC	3.15	2018	7	0	0	0	0	0
KPC	3.15	2018	8	0	0	0	0	0
KPC	3.15	2018	9	0	0	0	0	0
KPC	3.15	2018	10	0	0	0	0	0
KPC	3.15	2018	11	0	0	0	0	0
KPC	3.15	2018	12	0	0	0	0	0
KPC	3.15	2019	1	0	0	0	0	0
KPC	3.15	2019	2	0	0	0	0	0
KPC	3.15	2019	3	0	0	0	0	0
KPC	3.15	2019	4	0	0	0	0	0
KPC	3.15	2019	5	0	0	0	0	0
KPC	3.15	2019	6	0	0	0	0	0
KPC	3.15	2019	7	0	0	0	0	0
KPC	3.15	2019	8	0	0	0	0	0
KPC	3.15	2019	9	0	0	0	0	0
KPC	3.15	2019	10	0	0	0	0	0
KPC	3.15	2019	11	0	0	0	0	0
KPC	3.15	2019	12	0	0	0	0	0
KPC	3.15	2020	1	0	0	0	0	0
KPC	3.15	2020	2	0	0	0	0	0
KPC	3.15	2020	3	0	0	0	0	0
KPC	3.15	2020	4	0	0	0	0	0
KPC	3.15	2020	5	0	0	0	0	0
KPC	3.15	2020	6	0	0	0	0	0
KPC	3.15	2020	7	0	0	0	0	0
KPC	3.15	2020	8	0	0	0	0	0
KPC	3.15	2020	9	0	0	0	0	0
KPC	3.15	2020	10	0	0	0	0	0
KPC	3.15	2020	11	0	0	0	0	0
KPC	3.15	2020	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind3	ind4	ind5	ind6	ind7
KPC	3.15	2021	1	0	0	0	0	0
KPC	3.15	2021	2	0	0	0	0	0
KPC	3.15	2021	3	0	0	0	0	0
KPC	3.15	2021	4	0	0	0	0	0
KPC	3.15	2021	5	0	0	0	0	0
KPC	3.15	2021	6	0	0	0	0	0
KPC	3.15	2021	7	0	0	0	0	0
KPC	3.15	2021	8	0	0	0	0	0
KPC	3.15	2021	9	0	0	0	0	0
KPC	3.15	2021	10	0	0	0	0	0
KPC	3.15	2021	11	0	0	0	0	0
KPC	3.15	2021	12	0	0	0	0	0
KPC	3.15	2022	1	0	0	0	0	0
KPC	3.15	2022	2	0	0	0	0	0
KPC	3.15	2022	3	0	0	0	0	0
KPC	3.15	2022	4	0	0	0	0	0
KPC	3.15	2022	5	0	0	0	0	0
KPC	3.15	2022	6	0	0	0	0	0
KPC	3.15	2022	7	0	0	0	0	0
KPC	3.15	2022	8	0	0	0	0	0
KPC	3.15	2022	9	0	0	0	0	0
KPC	3.15	2022	10	0	0	0	0	0
KPC	3.15	2022	11	0	0	0	0	0
KPC	3.15	2022	12	0	0	0	0	0
KPC	4	2009	1	0	0	0	0	0
KPC	4	2009	2	0	0	0	0	0
KPC	4	2009	3	0	0	0	0	0
KPC	4	2009	4	0	0	0	0	0
KPC	4	2009	5	0	0	0	0	0
KPC	4	2009	6	0	0	0	0	0
KPC	4	2009	7	0	0	0	0	0
KPC	4	2009	8	0	0	0	0	0
KPC	4	2009	9	0	0	0	0	0
KPC	4	2009	10	0	0	0	0	0
KPC	4	2009	11	0	0	0	0	0
KPC	4	2009	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind3	ind4	ind5	ind6	ind7
KPC	4	2010	1	0	0	0	0	0
KPC	4	2010	2	0	0	0	0	0
KPC	4	2010	3	0	0	0	0	0
KPC	4	2010	4	0	0	0	0	0
KPC	4	2010	5	0	0	0	0	0
KPC	4	2010	6	0	0	0	0	0
KPC	4	2010	7	0	0	0	0	0
KPC	4	2010	8	0	0	0	0	0
KPC	4	2010	9	0	0	0	0	0
KPC	4	2010	10	0	0	0	0	0
KPC	4	2010	11	0	0	0	0	0
KPC	4	2010	12	0	0	0	0	0
KPC	4	2011	1	0	0	0	0	0
KPC	4	2011	2	0	0	0	0	0
KPC	4	2011	3	0	0	0	0	0
KPC	4	2011	4	0	0	0	0	0
KPC	4	2011	5	0	0	0	0	0
KPC	4	2011	6	0	0	0	0	0
KPC	4	2011	7	0	0	0	0	0
KPC	4	2011	8	0	0	0	0	0
KPC	4	2011	9	0	0	0	0	0
KPC	4	2011	10	0	0	0	0	0
KPC	4	2011	11	0	0	0	0	0
KPC	4	2011	12	0	0	0	0	0
KPC	4	2012	1	0	0	0	0	0
KPC	4	2012	2	0	0	0	0	0
KPC	4	2012	3	0	0	0	0	0
KPC	4	2012	4	0	0	0	0	0
KPC	4	2012	5	0	0	0	0	0
KPC	4	2012	6	0	0	0	0	0
KPC	4	2012	7	0	0	0	0	0
KPC	4	2012	8	0	0	0	0	0
KPC	4	2012	9	0	0	0	0	0
KPC	4	2012	10	0	0	0	0	0
KPC	4	2012	11	0	0	0	0	0
KPC	4	2012	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind3	ind4	ind5	ind6	ind7
KPC	4	2013	1	0	0	0	0	0
KPC	4	2013	2	0	0	0	0	0
KPC	4	2013	3	0	0	0	0	0
KPC	4	2013	4	0	0	0	0	0
KPC	4	2013	5	0	0	0	0	0
KPC	4	2013	6	0	0	0	0	0
KPC	4	2013	7	0	0	0	0	0
KPC	4	2013	8	0	0	0	0	0
KPC	4	2013	9	0	0	0	0	0
KPC	4	2013	10	0	0	0	0	0
KPC	4	2013	11	0	0	0	0	0
KPC	4	2013	12	0	0	0	0	0
KPC	4	2014	1	0	0	0	0	0
KPC	4	2014	2	0	0	0	0	0
KPC	4	2014	3	0	0	0	0	0
KPC	4	2014	4	0	0	0	0	0
KPC	4	2014	5	0	0	0	0	0
KPC	4	2014	6	0	0	0	0	0
KPC	4	2014	7	0	0	0	0	0
KPC	4	2014	8	0	0	0	0	0
KPC	4	2014	9	0	0	0	0	0
KPC	4	2014	10	0	0	0	0	0
KPC	4	2014	11	0	0	0	0	0
KPC	4	2014	12	0	0	0	0	0
KPC	4	2015	1	0	0	0	0	0
KPC	4	2015	2	0	0	0	0	0
KPC	4	2015	3	0	0	0	0	0
KPC	4	2015	4	0	0	0	0	0
KPC	4	2015	5	0	0	0	0	0
KPC	4	2015	6	0	0	0	0	0
KPC	4	2015	7	0	0	0	0	0
KPC	4	2015	8	0	0	0	0	0
KPC	4	2015	9	0	0	0	0	0
KPC	4	2015	10	0	0	0	0	0
KPC	4	2015	11	0	0	0	0	0
KPC	4	2015	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind3	ind4	ind5	ind6	ind7
KPC	4	2016	1	0	0	0	0	0
KPC	4	2016	2	0	0	0	0	0
KPC	4	2016	3	0	0	0	0	0
KPC	4	2016	4	0	0	0	0	0
KPC	4	2016	5	0	0	0	0	0
KPC	4	2016	6	0	0	0	0	0
KPC	4	2016	7	0	0	0	0	0
KPC	4	2016	8	0	0	0	0	0
KPC	4	2016	9	0	0	0	0	0
KPC	4	2016	10	0	0	0	0	0
KPC	4	2016	11	0	0	0	0	0
KPC	4	2016	12	0	0	0	0	0
KPC	4	2017	1	0	0	0	0	0
KPC	4	2017	2	0	0	0	0	0
KPC	4	2017	3	0	0	0	0	0
KPC	4	2017	4	0	0	0	0	0
KPC	4	2017	5	0	0	0	0	0
KPC	4	2017	6	0	0	0	0	0
KPC	4	2017	7	0	0	0	0	0
KPC	4	2017	8	0	0	0	0	0
KPC	4	2017	9	0	0	0	0	0
KPC	4	2017	10	0	0	0	0	0
KPC	4	2017	11	0	0	0	0	0
KPC	4	2017	12	0	0	0	0	0
KPC	4	2018	1	0	0	0	0	0
KPC	4	2018	2	0	0	0	0	0
KPC	4	2018	3	0	0	0	0	0
KPC	4	2018	4	0	0	0	0	0
KPC	4	2018	5	0	0	0	0	0
KPC	4	2018	6	0	0	0	0	0
KPC	4	2018	7	0	0	0	0	0
KPC	4	2018	8	0	0	0	0	0
KPC	4	2018	9	0	0	0	0	0
KPC	4	2018	10	0	0	0	0	0
KPC	4	2018	11	0	0	0	0	0
KPC	4	2018	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind3	ind4	ind5	ind6	ind7
KPC	4	2019	1	0	0	0	0	0
KPC	4	2019	2	0	0	0	0	0
KPC	4	2019	3	0	0	0	0	0
KPC	4	2019	4	0	0	0	0	0
KPC	4	2019	5	0	0	0	0	0
KPC	4	2019	6	0	0	0	0	0
KPC	4	2019	7	0	0	0	0	0
KPC	4	2019	8	0	0	0	0	0
KPC	4	2019	9	0	0	0	0	0
KPC	4	2019	10	0	0	0	0	0
KPC	4	2019	11	0	0	0	0	0
KPC	4	2019	12	0	0	0	0	0
KPC	4	2020	1	0	0	0	0	0
KPC	4	2020	2	0	0	0	0	0
KPC	4	2020	3	0	0	0	0	0
KPC	4	2020	4	0	0	0	0	0
KPC	4	2020	5	0	0	0	0	0
KPC	4	2020	6	0	0	0	0	0
KPC	4	2020	7	0	0	0	0	0
KPC	4	2020	8	0	0	0	0	0
KPC	4	2020	9	0	0	0	0	0
KPC	4	2020	10	0	0	0	0	0
KPC	4	2020	11	0	0	0	0	0
KPC	4	2020	12	0	0	0	0	0
KPC	4	2021	1	0	0	0	0	0
KPC	4	2021	2	0	0	0	0	0
KPC	4	2021	3	0	0	0	0	0
KPC	4	2021	4	0	0	0	0	0
KPC	4	2021	5	0	0	0	0	0
KPC	4	2021	6	0	0	0	0	0
KPC	4	2021	7	0	0	0	0	0
KPC	4	2021	8	0	0	0	0	0
KPC	4	2021	9	0	0	0	0	0
KPC	4	2021	10	0	0	0	0	0
KPC	4	2021	11	0	0	0	0	0
KPC	4	2021	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind3	ind4	ind5	ind6	ind7
KPC	4	2022	1	0	0	0	0	0
KPC	4	2022	2	0	0	0	0	0
KPC	4	2022	3	0	0	0	0	0
KPC	4	2022	4	0	0	0	0	0
KPC	4	2022	5	0	0	0	0	0
KPC	4	2022	6	0	0	0	0	0
KPC	4	2022	7	0	0	0	0	0
KPC	4	2022	8	0	0	0	0	0
KPC	4	2022	9	0	0	0	0	0
KPC	4	2022	10	0	0	0	0	0
KPC	4	2022	11	0	0	0	0	0
KPC	4	2022	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind8	ind9	min1	min2	min2time
KPC	1	2009	1	1	0	0	0	0
KPC	1	2009	2	2	0	0	0	0
KPC	1	2009	3	3	0	0	0	0
KPC	1	2009	4	4	0	0	0	0
KPC	1	2009	5	5	0	0	0	0
KPC	1	2009	6	6	0	0	0	0
KPC	1	2009	7	7	0	0	0	0
KPC	1	2009	8	8	0	0	0	0
KPC	1	2009	9	9	0	0	0	0
KPC	1	2009	10	10	0	0	0	0
KPC	1	2009	11	11	0	0	0	0
KPC	1	2009	12	12	0	0	0	0
KPC	1	2010	1	1	0	0	0	0
KPC	1	2010	2	2	0	0	0	0
KPC	1	2010	3	3	0	0	0	0
KPC	1	2010	4	4	0	0	0	0
KPC	1	2010	5	5	0	0	0	0
KPC	1	2010	6	6	0	0	0	0
KPC	1	2010	7	7	0	0	0	0
KPC	1	2010	8	8	0	0	0	0
KPC	1	2010	9	9	0	0	0	0
KPC	1	2010	10	10	0	0	0	0
KPC	1	2010	11	11	0	0	0	0
KPC	1	2010	12	12	0	0	0	0
KPC	1	2011	1	1	0	0	0	0
KPC	1	2011	2	2	0	0	0	0
KPC	1	2011	3	3	0	0	0	0
KPC	1	2011	4	4	0	0	0	0
KPC	1	2011	5	5	0	0	0	0
KPC	1	2011	6	6	0	0	0	0
KPC	1	2011	7	7	0	0	0	0
KPC	1	2011	8	8	0	0	0	0
KPC	1	2011	9	9	0	0	0	0
KPC	1	2011	10	10	0	0	0	0
KPC	1	2011	11	11	0	0	0	0
KPC	1	2011	12	12	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind8	ind9	min1	min2	min2time
KPC	1	2012	1	1	0	0	0	0
KPC	1	2012	2	2	0	0	0	0
KPC	1	2012	3	3	0	0	0	0
KPC	1	2012	4	4	0	0	0	0
KPC	1	2012	5	5	0	0	0	0
KPC	1	2012	6	6	0	0	0	0
KPC	1	2012	7	7	0	0	0	0
KPC	1	2012	8	8	0	0	0	0
KPC	1	2012	9	9	0	0	0	0
KPC	1	2012	10	10	0	0	0	0
KPC	1	2012	11	11	0	0	0	0
KPC	1	2012	12	12	0	0	0	0
KPC	1	2013	1	1	0	0	0	0
KPC	1	2013	2	2	0	0	0	0
KPC	1	2013	3	3	0	0	0	0
KPC	1	2013	4	4	0	0	0	0
KPC	1	2013	5	5	0	0	0	0
KPC	1	2013	6	6	0	0	0	0
KPC	1	2013	7	7	0	0	0	0
KPC	1	2013	8	8	0	0	0	0
KPC	1	2013	9	9	0	0	0	0
KPC	1	2013	10	10	0	0	0	0
KPC	1	2013	11	11	0	0	0	0
KPC	1	2013	12	12	0	0	0	0
KPC	1	2014	1	1	0	0	0	0
KPC	1	2014	2	2	0	0	0	0
KPC	1	2014	3	3	0	0	0	0
KPC	1	2014	4	4	0	0	0	0
KPC	1	2014	5	5	0	0	0	0
KPC	1	2014	6	6	0	0	0	0
KPC	1	2014	7	7	0	0	0	0
KPC	1	2014	8	8	0	0	0	0
KPC	1	2014	9	9	0	0	0	0
KPC	1	2014	10	10	0	0	0	0
KPC	1	2014	11	11	0	0	0	0
KPC	1	2014	12	12	0	0	0	0

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind8	ind9	min1	min2	min2time
KPC	1	2015	1	0	0	0	0	0
KPC	1	2015	2	0	0	0	0	0
KPC	1	2015	3	0	0	0	0	0
KPC	1	2015	4	0	0	0	0	0
KPC	1	2015	5	0	0	0	0	0
KPC	1	2015	6	0	0	0	0	0
KPC	1	2015	7	0	0	0	0	0
KPC	1	2015	8	0	0	0	0	0
KPC	1	2015	9	0	0	0	0	0
KPC	1	2015	10	0	0	0	0	0
KPC	1	2015	11	0	0	0	0	0
KPC	1	2015	12	0	0	0	0	0
KPC	1	2016	1	0	0	0	0	0
KPC	1	2016	2	0	0	0	0	0
KPC	1	2016	3	0	0	0	0	0
KPC	1	2016	4	0	0	0	0	0
KPC	1	2016	5	0	0	0	0	0
KPC	1	2016	6	0	0	0	0	0
KPC	1	2016	7	0	0	0	0	0
KPC	1	2016	8	0	0	0	0	0
KPC	1	2016	9	0	0	0	0	0
KPC	1	2016	10	0	0	0	0	0
KPC	1	2016	11	0	0	0	0	0
KPC	1	2016	12	0	0	0	0	0
KPC	1	2017	1	0	0	0	0	0
KPC	1	2017	2	0	0	0	0	0
KPC	1	2017	3	0	0	0	0	0
KPC	1	2017	4	0	0	0	0	0
KPC	1	2017	5	0	0	0	0	0
KPC	1	2017	6	0	0	0	0	0
KPC	1	2017	7	0	0	0	0	0
KPC	1	2017	8	0	0	0	0	0
KPC	1	2017	9	0	0	0	0	0
KPC	1	2017	10	0	0	0	0	0
KPC	1	2017	11	0	0	0	0	0
KPC	1	2017	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind8	ind9	min1	min2	min2time
KPC	1	2018	1	0	0	0	0	0
KPC	1	2018	2	0	0	0	0	0
KPC	1	2018	3	0	0	0	0	0
KPC	1	2018	4	0	0	0	0	0
KPC	1	2018	5	0	0	0	0	0
KPC	1	2018	6	0	0	0	0	0
KPC	1	2018	7	0	0	0	0	0
KPC	1	2018	8	0	0	0	0	0
KPC	1	2018	9	0	0	0	0	0
KPC	1	2018	10	0	0	0	0	0
KPC	1	2018	11	0	0	0	0	0
KPC	1	2018	12	0	0	0	0	0
KPC	1	2019	1	0	0	0	0	0
KPC	1	2019	2	0	0	0	0	0
KPC	1	2019	3	0	0	0	0	0
KPC	1	2019	4	0	0	0	0	0
KPC	1	2019	5	0	0	0	0	0
KPC	1	2019	6	0	0	0	0	0
KPC	1	2019	7	0	0	0	0	0
KPC	1	2019	8	0	0	0	0	0
KPC	1	2019	9	0	0	0	0	0
KPC	1	2019	10	0	0	0	0	0
KPC	1	2019	11	0	0	0	0	0
KPC	1	2019	12	0	0	0	0	0
KPC	1	2020	1	0	0	0	0	0
KPC	1	2020	2	0	0	0	0	0
KPC	1	2020	3	0	0	0	0	0
KPC	1	2020	4	0	0	0	0	0
KPC	1	2020	5	0	0	0	0	0
KPC	1	2020	6	0	0	0	0	0
KPC	1	2020	7	0	0	0	0	0
KPC	1	2020	8	0	0	0	0	0
KPC	1	2020	9	0	0	0	0	0
KPC	1	2020	10	0	0	0	0	0
KPC	1	2020	11	0	0	0	0	0
KPC	1	2020	12	0	0	0	0	0

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind8	ind9	min1	min2	min2time
KPC	1	2021	1	1	0	0	0	0
KPC	1	2021	2	2	0	0	0	0
KPC	1	2021	3	3	0	0	0	0
KPC	1	2021	4	4	0	0	0	0
KPC	1	2021	5	5	0	0	0	0
KPC	1	2021	6	6	0	0	0	0
KPC	1	2021	7	7	0	0	0	0
KPC	1	2021	8	8	0	0	0	0
KPC	1	2021	9	9	0	0	0	0
KPC	1	2021	10	10	0	0	0	0
KPC	1	2021	11	11	0	0	0	0
KPC	1	2021	12	12	0	0	0	0
KPC	1	2022	1	1	0	0	0	0
KPC	1	2022	2	2	0	0	0	0
KPC	1	2022	3	3	0	0	0	0
KPC	1	2022	4	4	0	0	0	0
KPC	1	2022	5	5	0	0	0	0
KPC	1	2022	6	6	0	0	0	0
KPC	1	2022	7	7	0	0	0	0
KPC	1	2022	8	8	0	0	0	0
KPC	1	2022	9	9	0	0	0	0
KPC	1	2022	10	10	0	0	0	0
KPC	1	2022	11	11	0	0	0	0
KPC	1	2022	12	12	0	0	0	0
KPC	2	2009	1	1	0	0	0	0
KPC	2	2009	2	2	0	0	0	0
KPC	2	2009	3	3	0	0	0	0
KPC	2	2009	4	4	0	0	0	0
KPC	2	2009	5	5	0	0	0	0
KPC	2	2009	6	6	0	0	0	0
KPC	2	2009	7	7	0	0	0	0
KPC	2	2009	8	8	0	0	0	0
KPC	2	2009	9	9	0	0	0	0
KPC	2	2009	10	10	0	0	0	0
KPC	2	2009	11	11	0	0	0	0
KPC	2	2009	12	12	0	0	0	0

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind8	ind9	min1	min2	min2time
KPC	2	2010	1	0	0	0	0	0
KPC	2	2010	2	0	0	0	0	0
KPC	2	2010	3	0	0	0	0	0
KPC	2	2010	4	0	0	0	0	0
KPC	2	2010	5	0	0	0	0	0
KPC	2	2010	6	0	0	0	0	0
KPC	2	2010	7	0	0	0	0	0
KPC	2	2010	8	0	0	0	0	0
KPC	2	2010	9	0	0	0	0	0
KPC	2	2010	10	0	0	0	0	0
KPC	2	2010	11	0	0	0	0	0
KPC	2	2010	12	0	0	0	0	0
KPC	2	2011	1	0	0	0	0	0
KPC	2	2011	2	0	0	0	0	0
KPC	2	2011	3	0	0	0	0	0
KPC	2	2011	4	0	0	0	0	0
KPC	2	2011	5	0	0	0	0	0
KPC	2	2011	6	0	0	0	0	0
KPC	2	2011	7	0	0	0	0	0
KPC	2	2011	8	0	0	0	0	0
KPC	2	2011	9	0	0	0	0	0
KPC	2	2011	10	0	0	0	0	0
KPC	2	2011	11	0	0	0	0	0
KPC	2	2011	12	0	0	0	0	0
KPC	2	2012	1	0	0	0	0	0
KPC	2	2012	2	0	0	0	0	0
KPC	2	2012	3	0	0	0	0	0
KPC	2	2012	4	0	0	0	0	0
KPC	2	2012	5	0	0	0	0	0
KPC	2	2012	6	0	0	0	0	0
KPC	2	2012	7	0	0	0	0	0
KPC	2	2012	8	0	0	0	0	0
KPC	2	2012	9	0	0	0	0	0
KPC	2	2012	10	0	0	0	0	0
KPC	2	2012	11	0	0	0	0	0
KPC	2	2012	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind8	ind9	min1	min2	min2time
KPC	2	2013	1	0	0	0	0	0
KPC	2	2013	2	0	0	0	0	0
KPC	2	2013	3	0	0	0	0	0
KPC	2	2013	4	0	0	0	0	0
KPC	2	2013	5	0	0	0	0	0
KPC	2	2013	6	0	0	0	0	0
KPC	2	2013	7	0	0	0	0	0
KPC	2	2013	8	0	0	0	0	0
KPC	2	2013	9	0	0	0	0	0
KPC	2	2013	10	0	0	0	0	0
KPC	2	2013	11	0	0	0	0	0
KPC	2	2013	12	0	0	0	0	0
KPC	2	2014	1	0	0	0	0	0
KPC	2	2014	2	0	0	0	0	0
KPC	2	2014	3	0	0	0	0	0
KPC	2	2014	4	0	0	0	0	0
KPC	2	2014	5	0	0	0	0	0
KPC	2	2014	6	0	0	0	0	0
KPC	2	2014	7	0	0	0	0	0
KPC	2	2014	8	0	0	0	0	0
KPC	2	2014	9	0	0	0	0	0
KPC	2	2014	10	0	0	0	0	0
KPC	2	2014	11	0	0	0	0	0
KPC	2	2014	12	0	0	0	0	0
KPC	2	2015	1	0	0	0	0	0
KPC	2	2015	2	0	0	0	0	0
KPC	2	2015	3	0	0	0	0	0
KPC	2	2015	4	0	0	0	0	0
KPC	2	2015	5	0	0	0	0	0
KPC	2	2015	6	0	0	0	0	0
KPC	2	2015	7	0	0	0	0	0
KPC	2	2015	8	0	0	0	0	0
KPC	2	2015	9	0	0	0	0	0
KPC	2	2015	10	0	0	0	0	0
KPC	2	2015	11	0	0	0	0	0
KPC	2	2015	12	0	0	0	0	0

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind8	ind9	min1	min2	min2time
KPC	2	2016	1		0	0	0	0
KPC	2	2016	2		0	0	0	0
KPC	2	2016	3		0	0	0	0
KPC	2	2016	4		0	0	0	0
KPC	2	2016	5		0	0	0	0
KPC	2	2016	6		0	0	0	0
KPC	2	2016	7		0	0	0	0
KPC	2	2016	8		0	0	0	0
KPC	2	2016	9		0	0	0	0
KPC	2	2016	10		0	0	0	0
KPC	2	2016	11		0	0	0	0
KPC	2	2016	12		0	0	0	0
KPC	2	2017	1		0	0	0	0
KPC	2	2017	2		0	0	0	0
KPC	2	2017	3		0	0	0	0
KPC	2	2017	4		0	0	0	0
KPC	2	2017	5		0	0	0	0
KPC	2	2017	6		0	0	0	0
KPC	2	2017	7		0	0	0	0
KPC	2	2017	8		0	0	0	0
KPC	2	2017	9		0	0	0	0
KPC	2	2017	10		0	0	0	0
KPC	2	2017	11		0	0	0	0
KPC	2	2017	12		0	0	0	0
KPC	2	2018	1		0	0	0	0
KPC	2	2018	2		0	0	0	0
KPC	2	2018	3		0	0	0	0
KPC	2	2018	4		0	0	0	0
KPC	2	2018	5		0	0	0	0
KPC	2	2018	6		0	0	0	0
KPC	2	2018	7		0	0	0	0
KPC	2	2018	8		0	0	0	0
KPC	2	2018	9		0	0	0	0
KPC	2	2018	10		0	0	0	0
KPC	2	2018	11		0	0	0	0
KPC	2	2018	12		0	0	0	0

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind8	ind9	min1	min2	min2time
KPC	2	2019	1	1	0	0	0	0
KPC	2	2019	2	2	0	0	0	0
KPC	2	2019	3	3	0	0	0	0
KPC	2	2019	4	4	0	0	0	0
KPC	2	2019	5	5	0	0	0	0
KPC	2	2019	6	6	0	0	0	0
KPC	2	2019	7	7	0	0	0	0
KPC	2	2019	8	8	0	0	0	0
KPC	2	2019	9	9	0	0	0	0
KPC	2	2019	10	10	0	0	0	0
KPC	2	2019	11	11	0	0	0	0
KPC	2	2019	12	12	0	0	0	0
KPC	2	2020	1	1	0	0	0	0
KPC	2	2020	2	2	0	0	0	0
KPC	2	2020	3	3	0	0	0	0
KPC	2	2020	4	4	0	0	0	0
KPC	2	2020	5	5	0	0	0	0
KPC	2	2020	6	6	0	0	0	0
KPC	2	2020	7	7	0	0	0	0
KPC	2	2020	8	8	0	0	0	0
KPC	2	2020	9	9	0	0	0	0
KPC	2	2020	10	10	0	0	0	0
KPC	2	2020	11	11	0	0	0	0
KPC	2	2020	12	12	0	0	0	0
KPC	2	2021	1	1	0	0	0	0
KPC	2	2021	2	2	0	0	0	0
KPC	2	2021	3	3	0	0	0	0
KPC	2	2021	4	4	0	0	0	0
KPC	2	2021	5	5	0	0	0	0
KPC	2	2021	6	6	0	0	0	0
KPC	2	2021	7	7	0	0	0	0
KPC	2	2021	8	8	0	0	0	0
KPC	2	2021	9	9	0	0	0	0
KPC	2	2021	10	10	0	0	0	0
KPC	2	2021	11	11	0	0	0	0
KPC	2	2021	12	12	0	0	0	0

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind8	ind9	min1	min2	min2time
KPC	2	2022	1	0	0	0	0	0
KPC	2	2022	2	0	0	0	0	0
KPC	2	2022	3	0	0	0	0	0
KPC	2	2022	4	0	0	0	0	0
KPC	2	2022	5	0	0	0	0	0
KPC	2	2022	6	0	0	0	0	0
KPC	2	2022	7	0	0	0	0	0
KPC	2	2022	8	0	0	0	0	0
KPC	2	2022	9	0	0	0	0	0
KPC	2	2022	10	0	0	0	0	0
KPC	2	2022	11	0	0	0	0	0
KPC	2	2022	12	0	0	0	0	0
KPC	3.1	2009	1	0	0	0	0	0
KPC	3.1	2009	2	0	0	0	0	0
KPC	3.1	2009	3	0	0	0	0	0
KPC	3.1	2009	4	0	0	0	0	0
KPC	3.1	2009	5	0	0	0	0	0
KPC	3.1	2009	6	0	0	0	0	0
KPC	3.1	2009	7	0	0	0	0	0
KPC	3.1	2009	8	0	0	0	0	0
KPC	3.1	2009	9	0	0	0	0	0
KPC	3.1	2009	10	0	0	0	0	0
KPC	3.1	2009	11	0	0	0	0	0
KPC	3.1	2009	12	0	0	0	0	0
KPC	3.1	2010	1	0	0	0	0	0
KPC	3.1	2010	2	0	0	0	0	0
KPC	3.1	2010	3	0	0	0	0	0
KPC	3.1	2010	4	0	0	0	0	0
KPC	3.1	2010	5	0	0	0	0	0
KPC	3.1	2010	6	0	0	0	0	0
KPC	3.1	2010	7	0	0	0	0	0
KPC	3.1	2010	8	0	0	0	0	0
KPC	3.1	2010	9	0	0	0	0	0
KPC	3.1	2010	10	-1	0	0	0	0
KPC	3.1	2010	11	1	0	0	0	0
KPC	3.1	2010	12	0	0	0	0	0

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind8	ind9	min1	min2	min2time
KPC	3.1	2011	1	1	0	0	0	0
KPC	3.1	2011	2	2	0	0	0	0
KPC	3.1	2011	3	3	0	0	0	0
KPC	3.1	2011	4	4	0	0	0	0
KPC	3.1	2011	5	5	0	0	0	0
KPC	3.1	2011	6	6	0	0	0	0
KPC	3.1	2011	7	7	0	0	0	0
KPC	3.1	2011	8	8	0	0	0	0
KPC	3.1	2011	9	9	0	0	0	0
KPC	3.1	2011	10	10	0	0	0	0
KPC	3.1	2011	11	11	0	0	0	0
KPC	3.1	2011	12	12	0	0	0	0
KPC	3.1	2012	1	1	0	0	0	0
KPC	3.1	2012	2	2	0	0	0	0
KPC	3.1	2012	3	3	0	0	0	0
KPC	3.1	2012	4	4	0	0	0	0
KPC	3.1	2012	5	5	0	0	0	0
KPC	3.1	2012	6	6	0	0	0	0
KPC	3.1	2012	7	7	0	0	0	0
KPC	3.1	2012	8	8	0	0	0	0
KPC	3.1	2012	9	9	0	0	0	0
KPC	3.1	2012	10	10	0	0	0	0
KPC	3.1	2012	11	11	0	0	0	0
KPC	3.1	2012	12	12	0	0	0	0
KPC	3.1	2013	1	1	0	0	0	0
KPC	3.1	2013	2	2	0	0	0	0
KPC	3.1	2013	3	3	0	0	0	0
KPC	3.1	2013	4	4	0	0	0	0
KPC	3.1	2013	5	5	0	0	0	0
KPC	3.1	2013	6	6	0	0	0	0
KPC	3.1	2013	7	7	0	0	0	0
KPC	3.1	2013	8	8	0	0	0	0
KPC	3.1	2013	9	9	0	0	0	0
KPC	3.1	2013	10	10	0	0	0	0
KPC	3.1	2013	11	11	0	0	0	0
KPC	3.1	2013	12	12	0	0	0	0

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind8	ind9	min1	min2	min2time
KPC	3.1	2014	1		0	0	0	0
KPC	3.1	2014	2		0	0	0	0
KPC	3.1	2014	3		0	0	0	0
KPC	3.1	2014	4		0	0	0	0
KPC	3.1	2014	5		0	0	0	0
KPC	3.1	2014	6		0	0	0	0
KPC	3.1	2014	7		0	0	0	0
KPC	3.1	2014	8		0	0	0	0
KPC	3.1	2014	9		0	0	0	0
KPC	3.1	2014	10		0	0	0	0
KPC	3.1	2014	11		0	0	0	0
KPC	3.1	2014	12		0	0	0	0
KPC	3.1	2015	1		0	0	0	0
KPC	3.1	2015	2		0	0	0	0
KPC	3.1	2015	3		0	0	0	0
KPC	3.1	2015	4		0	0	0	0
KPC	3.1	2015	5		0	0	0	0
KPC	3.1	2015	6		0	0	0	0
KPC	3.1	2015	7		0	0	0	0
KPC	3.1	2015	8		0	0	0	0
KPC	3.1	2015	9		0	0	0	0
KPC	3.1	2015	10		0	0	0	0
KPC	3.1	2015	11		0	0	0	0
KPC	3.1	2015	12		0	0	0	0
KPC	3.1	2016	1		0	0	0	0
KPC	3.1	2016	2		0	0	0	0
KPC	3.1	2016	3		0	0	0	0
KPC	3.1	2016	4		0	0	0	0
KPC	3.1	2016	5		0	0	0	0
KPC	3.1	2016	6		0	0	0	0
KPC	3.1	2016	7		0	0	0	0
KPC	3.1	2016	8		0	0	0	0
KPC	3.1	2016	9		0	0	0	0
KPC	3.1	2016	10		0	0	0	0
KPC	3.1	2016	11		0	0	0	0
KPC	3.1	2016	12		0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind8	ind9	min1	min2	min2time
KPC	3.1	2017	1	0	0	0	0	0
KPC	3.1	2017	2	0	0	0	0	0
KPC	3.1	2017	3	0	0	0	0	0
KPC	3.1	2017	4	0	0	0	0	0
KPC	3.1	2017	5	0	0	0	0	0
KPC	3.1	2017	6	0	0	0	0	0
KPC	3.1	2017	7	0	0	0	0	0
KPC	3.1	2017	8	0	0	0	0	0
KPC	3.1	2017	9	0	0	0	0	0
KPC	3.1	2017	10	0	0	0	0	0
KPC	3.1	2017	11	0	-1	0	0	0
KPC	3.1	2017	12	0	1	0	0	0
KPC	3.1	2018	1	0	0	0	0	0
KPC	3.1	2018	2	0	0	0	0	0
KPC	3.1	2018	3	0	0	0	0	0
KPC	3.1	2018	4	0	0	0	0	0
KPC	3.1	2018	5	0	0	0	0	0
KPC	3.1	2018	6	0	0	0	0	0
KPC	3.1	2018	7	0	0	0	0	0
KPC	3.1	2018	8	0	0	0	0	0
KPC	3.1	2018	9	0	0	0	0	0
KPC	3.1	2018	10	0	0	0	0	0
KPC	3.1	2018	11	0	0	0	0	0
KPC	3.1	2018	12	0	0	0	0	0
KPC	3.1	2019	1	0	0	0	0	0
KPC	3.1	2019	2	0	0	0	0	0
KPC	3.1	2019	3	0	0	0	0	0
KPC	3.1	2019	4	0	0	0	0	0
KPC	3.1	2019	5	0	0	0	0	0
KPC	3.1	2019	6	0	0	0	0	0
KPC	3.1	2019	7	0	0	0	0	0
KPC	3.1	2019	8	0	0	0	0	0
KPC	3.1	2019	9	0	0	0	0	0
KPC	3.1	2019	10	0	0	0	0	0
KPC	3.1	2019	11	0	0	0	0	0
KPC	3.1	2019	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind8	ind9	min1	min2	min2time
KPC	3.1	2020	1	0	0	0	0	0
KPC	3.1	2020	2	0	0	0	0	0
KPC	3.1	2020	3	0	0	0	0	0
KPC	3.1	2020	4	0	0	0	0	0
KPC	3.1	2020	5	0	0	0	0	0
KPC	3.1	2020	6	0	0	0	0	0
KPC	3.1	2020	7	0	0	0	0	0
KPC	3.1	2020	8	0	0	0	0	0
KPC	3.1	2020	9	0	0	0	0	0
KPC	3.1	2020	10	0	0	0	0	0
KPC	3.1	2020	11	0	0	0	0	0
KPC	3.1	2020	12	0	0	0	0	0
KPC	3.1	2021	1	0	0	0	0	0
KPC	3.1	2021	2	0	0	0	0	0
KPC	3.1	2021	3	0	0	0	0	0
KPC	3.1	2021	4	0	0	0	0	0
KPC	3.1	2021	5	0	0	0	0	0
KPC	3.1	2021	6	0	0	0	0	0
KPC	3.1	2021	7	0	0	0	0	0
KPC	3.1	2021	8	0	0	0	0	0
KPC	3.1	2021	9	0	0	0	0	0
KPC	3.1	2021	10	0	0	0	0	0
KPC	3.1	2021	11	0	0	0	0	0
KPC	3.1	2021	12	0	0	0	0	0
KPC	3.1	2022	1	0	0	0	0	0
KPC	3.1	2022	2	0	0	0	0	0
KPC	3.1	2022	3	0	0	0	0	0
KPC	3.1	2022	4	0	0	0	0	0
KPC	3.1	2022	5	0	0	0	0	0
KPC	3.1	2022	6	0	0	0	0	0
KPC	3.1	2022	7	0	0	0	0	0
KPC	3.1	2022	8	0	0	0	0	0
KPC	3.1	2022	9	0	0	0	0	0
KPC	3.1	2022	10	0	0	0	0	0
KPC	3.1	2022	11	0	0	0	0	0
KPC	3.1	2022	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind8	ind9	min1	min2	min2time
KPC	3.15	2009	1	0	0	0	0	0
KPC	3.15	2009	2	0	0	0	0	0
KPC	3.15	2009	3	0	0	0	0	0
KPC	3.15	2009	4	0	0	0	0	0
KPC	3.15	2009	5	0	0	0	0	0
KPC	3.15	2009	6	0	0	0	0	0
KPC	3.15	2009	7	0	0	0	0	0
KPC	3.15	2009	8	0	0	0	0	0
KPC	3.15	2009	9	0	0	0	0	0
KPC	3.15	2009	10	0	0	0	0	0
KPC	3.15	2009	11	0	0	0	0	0
KPC	3.15	2009	12	0	0	0	0	0
KPC	3.15	2010	1	0	0	0	0	0
KPC	3.15	2010	2	0	0	0	0	0
KPC	3.15	2010	3	0	0	0	0	0
KPC	3.15	2010	4	0	0	0	0	0
KPC	3.15	2010	5	0	0	0	0	0
KPC	3.15	2010	6	0	0	0	0	0
KPC	3.15	2010	7	0	0	0	0	0
KPC	3.15	2010	8	0	0	0	0	0
KPC	3.15	2010	9	0	0	0	0	0
KPC	3.15	2010	10	0	0	0	0	0
KPC	3.15	2010	11	0	0	0	0	0
KPC	3.15	2010	12	0	0	0	0	0
KPC	3.15	2011	1	0	0	0	0	0
KPC	3.15	2011	2	0	0	0	0	0
KPC	3.15	2011	3	0	0	0	0	0
KPC	3.15	2011	4	0	0	0	0	0
KPC	3.15	2011	5	0	0	0	0	0
KPC	3.15	2011	6	0	0	0	0	0
KPC	3.15	2011	7	0	0	0	0	0
KPC	3.15	2011	8	0	0	0	0	0
KPC	3.15	2011	9	0	0	0	0	0
KPC	3.15	2011	10	0	0	0	0	0
KPC	3.15	2011	11	0	0	0	0	0
KPC	3.15	2011	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind8	ind9	min1	min2	min2time
KPC	3.15	2012	1	0	0	0	0	0
KPC	3.15	2012	2	0	0	0	0	0
KPC	3.15	2012	3	0	0	0	0	0
KPC	3.15	2012	4	0	0	0	1	0
KPC	3.15	2012	5	0	0	0	1	0
KPC	3.15	2012	6	0	0	0	1	0
KPC	3.15	2012	7	0	0	0	1	0
KPC	3.15	2012	8	0	0	0	1	0
KPC	3.15	2012	9	0	0	0	1	0
KPC	3.15	2012	10	0	0	0	1	0
KPC	3.15	2012	11	0	0	0	1	0
KPC	3.15	2012	12	0	0	0	1	0
KPC	3.15	2013	1	0	0	0	1	0
KPC	3.15	2013	2	0	0	0	1	0
KPC	3.15	2013	3	0	0	0	1	0
KPC	3.15	2013	4	0	0	0	1	0
KPC	3.15	2013	5	0	0	0	1	0
KPC	3.15	2013	6	0	0	0	1	0
KPC	3.15	2013	7	0	0	0	1	0
KPC	3.15	2013	8	0	0	0	1	0
KPC	3.15	2013	9	0	0	0	1	0
KPC	3.15	2013	10	0	0	0	1	0
KPC	3.15	2013	11	0	0	0	1	0
KPC	3.15	2013	12	0	0	0	1	0
KPC	3.15	2014	1	0	0	0	1	0
KPC	3.15	2014	2	0	0	0	1	0
KPC	3.15	2014	3	0	0	0	1	0
KPC	3.15	2014	4	0	0	0	1	0
KPC	3.15	2014	5	0	0	0	1	0
KPC	3.15	2014	6	0	0	0	1	0
KPC	3.15	2014	7	0	0	0	1	0
KPC	3.15	2014	8	0	0	0	1	0
KPC	3.15	2014	9	0	0	0	1	0
KPC	3.15	2014	10	0	0	0	1	0
KPC	3.15	2014	11	0	0	0	1	0
KPC	3.15	2014	12	0	0	0	1	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind8	ind9	min1	min2	min2time
KPC	3.15	2015	1	0	0	1	0	0
KPC	3.15	2015	2	0	0	1	0	0
KPC	3.15	2015	3	0	0	1	0	0
KPC	3.15	2015	4	0	0	1	0	0
KPC	3.15	2015	5	0	0	1	0	0
KPC	3.15	2015	6	0	0	1	0	0
KPC	3.15	2015	7	0	0	1	0	0
KPC	3.15	2015	8	0	0	1	0	0
KPC	3.15	2015	9	0	0	1	0	0
KPC	3.15	2015	10	0	0	1	0	0
KPC	3.15	2015	11	0	0	1	0	0
KPC	3.15	2015	12	0	0	1	0	0
KPC	3.15	2016	1	0	0	1	1	20423
KPC	3.15	2016	2	0	0	1	1	20454
KPC	3.15	2016	3	0	0	1	1	20485
KPC	3.15	2016	4	0	0	1	1	20514
KPC	3.15	2016	5	0	0	1	1	20545
KPC	3.15	2016	6	0	0	1	1	20575
KPC	3.15	2016	7	0	0	1	1	20606
KPC	3.15	2016	8	0	0	1	1	20636
KPC	3.15	2016	9	0	0	1	1	20667
KPC	3.15	2016	10	0	0	1	1	20698
KPC	3.15	2016	11	0	0	1	1	20728
KPC	3.15	2016	12	0	0	1	1	20759
KPC	3.15	2017	1	0	0	1	1	20789
KPC	3.15	2017	2	0	0	1	1	20820
KPC	3.15	2017	3	0	0	1	1	20851
KPC	3.15	2017	4	0	0	1	1	20879
KPC	3.15	2017	5	0	0	1	1	20910
KPC	3.15	2017	6	0	0	1	1	20940
KPC	3.15	2017	7	0	0	1	1	20971
KPC	3.15	2017	8	0	0	1	1	21001
KPC	3.15	2017	9	0	0	1	1	21032
KPC	3.15	2017	10	0	0	1	1	21063
KPC	3.15	2017	11	0	0	1	1	21093
KPC	3.15	2017	12	0	0	1	1	21124
KPC	3.15	2017	1	0	0	1	1	21154

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind8	ind9	min1	min2	min2time	
KPC	3.15	2018	1	1	0	0	1	1	21185
KPC	3.15	2018	2	2	0	0	1	1	21216
KPC	3.15	2018	3	3	0	0	1	1	21244
KPC	3.15	2018	4	4	0	0	1	1	21275
KPC	3.15	2018	5	5	0	0	1	1	21305
KPC	3.15	2018	6	6	0	0	1	1	21336
KPC	3.15	2018	7	7	0	0	1	1	21366
KPC	3.15	2018	8	8	0	0	1	1	21397
KPC	3.15	2018	9	9	0	0	1	1	21428
KPC	3.15	2018	10	10	0	0	1	1	21458
KPC	3.15	2018	11	11	0	0	1	1	21489
KPC	3.15	2018	12	12	0	0	1	1	21519
KPC	3.15	2019	1	1	0	0	1	1	21550
KPC	3.15	2019	2	2	0	0	1	1	21581
KPC	3.15	2019	3	3	0	0	1	1	21609
KPC	3.15	2019	4	4	0	0	1	1	21640
KPC	3.15	2019	5	5	0	0	1	1	21670
KPC	3.15	2019	6	6	0	0	1	1	21701
KPC	3.15	2019	7	7	0	0	1	1	21731
KPC	3.15	2019	8	8	0	0	1	1	21762
KPC	3.15	2019	9	9	0	0	1	1	21793
KPC	3.15	2019	10	10	0	0	1	1	21823
KPC	3.15	2019	11	11	0	0	1	1	21854
KPC	3.15	2019	12	12	0	0	1	1	21884
KPC	3.15	2020	1	1	0	0	1	1	21915
KPC	3.15	2020	2	2	0	0	1	1	21946
KPC	3.15	2020	3	3	0	0	1	1	21975
KPC	3.15	2020	4	4	0	0	1	1	22006
KPC	3.15	2020	5	5	0	0	1	1	22036
KPC	3.15	2020	6	6	0	0	1	1	22067
KPC	3.15	2020	7	7	0	0	1	1	22097
KPC	3.15	2020	8	8	0	0	1	1	22128
KPC	3.15	2020	9	9	0	0	1	1	22159
KPC	3.15	2020	10	10	0	0	1	1	22189
KPC	3.15	2020	11	11	0	0	1	1	22220
KPC	3.15	2020	12	12	0	0	1	1	22250

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind8	ind9	min1	min2	min2time	
KPC	3.15	2021	1	1	0	0	1	1	22281
KPC	3.15	2021	2	2	0	0	1	1	22312
KPC	3.15	2021	3	3	0	0	1	1	22340
KPC	3.15	2021	4	4	0	0	1	1	22371
KPC	3.15	2021	5	5	0	0	1	1	22401
KPC	3.15	2021	6	6	0	0	1	1	22432
KPC	3.15	2021	7	7	0	0	1	1	22462
KPC	3.15	2021	8	8	0	0	1	1	22493
KPC	3.15	2021	9	9	0	0	1	1	22524
KPC	3.15	2021	10	10	0	0	1	1	22554
KPC	3.15	2021	11	11	0	0	1	1	22585
KPC	3.15	2021	12	12	0	0	1	1	22615
KPC	3.15	2022	1	1	0	0	1	1	22646
KPC	3.15	2022	2	2	0	0	1	1	22677
KPC	3.15	2022	3	3	0	0	1	1	22705
KPC	3.15	2022	4	4	0	0	1	1	22736
KPC	3.15	2022	5	5	0	0	1	1	22766
KPC	3.15	2022	6	6	0	0	1	1	22797
KPC	3.15	2022	7	7	0	0	1	1	22827
KPC	3.15	2022	8	8	0	0	1	1	22858
KPC	3.15	2022	9	9	0	0	1	1	22889
KPC	3.15	2022	10	10	0	0	1	1	22919
KPC	3.15	2022	11	11	0	0	1	1	22950
KPC	3.15	2022	12	12	0	0	1	1	22980
KPC	4	2009	1	1	0	0	0	0	0
KPC	4	2009	2	2	0	0	0	0	0
KPC	4	2009	3	3	0	0	0	0	0
KPC	4	2009	4	4	0	0	0	0	0
KPC	4	2009	5	5	0	0	0	0	0
KPC	4	2009	6	6	0	0	0	0	0
KPC	4	2009	7	7	0	0	0	0	0
KPC	4	2009	8	8	0	0	0	0	0
KPC	4	2009	9	9	0	0	0	0	0
KPC	4	2009	10	10	0	0	0	0	0
KPC	4	2009	11	11	0	0	0	0	0
KPC	4	2009	12	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind8	ind9	min1	min2	min2time
KPC	4	2010	1	0	0	0	0	0
KPC	4	2010	2	0	0	0	0	0
KPC	4	2010	3	0	0	0	0	0
KPC	4	2010	4	0	0	0	0	0
KPC	4	2010	5	0	0	0	0	0
KPC	4	2010	6	0	0	0	0	0
KPC	4	2010	7	0	0	0	0	0
KPC	4	2010	8	0	0	0	0	0
KPC	4	2010	9	0	0	0	0	0
KPC	4	2010	10	0	0	0	0	0
KPC	4	2010	11	0	0	0	0	0
KPC	4	2010	12	0	0	0	0	0
KPC	4	2011	1	0	0	0	0	0
KPC	4	2011	2	0	0	0	0	0
KPC	4	2011	3	0	0	0	0	0
KPC	4	2011	4	0	0	0	0	0
KPC	4	2011	5	0	0	0	0	0
KPC	4	2011	6	0	0	0	0	0
KPC	4	2011	7	0	0	0	0	0
KPC	4	2011	8	0	0	0	0	0
KPC	4	2011	9	0	0	0	0	0
KPC	4	2011	10	0	0	0	0	0
KPC	4	2011	11	0	0	0	0	0
KPC	4	2011	12	0	0	0	0	0
KPC	4	2012	1	0	0	0	0	0
KPC	4	2012	2	0	0	0	0	0
KPC	4	2012	3	0	0	0	0	0
KPC	4	2012	4	0	0	0	0	0
KPC	4	2012	5	0	0	0	0	0
KPC	4	2012	6	0	0	0	0	0
KPC	4	2012	7	0	0	0	0	0
KPC	4	2012	8	0	0	0	0	0
KPC	4	2012	9	0	0	0	0	0
KPC	4	2012	10	0	0	0	0	0
KPC	4	2012	11	0	0	0	0	0
KPC	4	2012	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind8	ind9	min1	min2	min2time
KPC	4	2013	1		0	0	0	0
KPC	4	2013	2		0	0	0	0
KPC	4	2013	3		0	0	0	0
KPC	4	2013	4		0	0	0	0
KPC	4	2013	5		0	0	0	0
KPC	4	2013	6		0	0	0	0
KPC	4	2013	7		0	0	0	0
KPC	4	2013	8		0	0	0	0
KPC	4	2013	9		0	0	0	0
KPC	4	2013	10		0	0	0	0
KPC	4	2013	11		0	0	0	0
KPC	4	2013	12		0	0	0	0
KPC	4	2014	1		0	0	0	0
KPC	4	2014	2		0	0	0	0
KPC	4	2014	3		0	0	0	0
KPC	4	2014	4		0	0	0	0
KPC	4	2014	5		0	0	0	0
KPC	4	2014	6		0	0	0	0
KPC	4	2014	7		0	0	0	0
KPC	4	2014	8		0	0	0	0
KPC	4	2014	9		0	0	0	0
KPC	4	2014	10		0	0	0	0
KPC	4	2014	11		0	0	0	0
KPC	4	2014	12		0	0	0	0
KPC	4	2015	1		0	0	0	0
KPC	4	2015	2		0	0	0	0
KPC	4	2015	3		0	0	0	0
KPC	4	2015	4		0	0	0	0
KPC	4	2015	5		0	0	0	0
KPC	4	2015	6		0	0	0	0
KPC	4	2015	7		0	0	0	0
KPC	4	2015	8		0	0	0	0
KPC	4	2015	9		0	0	0	0
KPC	4	2015	10		0	0	0	0
KPC	4	2015	11		0	0	0	0
KPC	4	2015	12		0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind8	ind9	min1	min2	min2time
KPC	4	2016	1		0	0	0	0
KPC	4	2016	2		0	0	0	0
KPC	4	2016	3		0	0	0	0
KPC	4	2016	4		0	0	0	0
KPC	4	2016	5		0	0	0	0
KPC	4	2016	6		0	0	0	0
KPC	4	2016	7		0	0	0	0
KPC	4	2016	8		0	0	0	0
KPC	4	2016	9		0	0	0	0
KPC	4	2016	10		0	0	0	0
KPC	4	2016	11		0	0	0	0
KPC	4	2016	12		0	0	0	0
KPC	4	2017	1		0	0	0	0
KPC	4	2017	2		0	0	0	0
KPC	4	2017	3		0	0	0	0
KPC	4	2017	4		0	0	0	0
KPC	4	2017	5		0	0	0	0
KPC	4	2017	6		0	0	0	0
KPC	4	2017	7		0	0	0	0
KPC	4	2017	8		0	0	0	0
KPC	4	2017	9		0	0	0	0
KPC	4	2017	10		0	0	0	0
KPC	4	2017	11		0	0	0	0
KPC	4	2017	12		0	0	0	0
KPC	4	2018	1		0	0	0	0
KPC	4	2018	2		0	0	0	0
KPC	4	2018	3		0	0	0	0
KPC	4	2018	4		0	0	0	0
KPC	4	2018	5		0	0	0	0
KPC	4	2018	6		0	0	0	0
KPC	4	2018	7		0	0	0	0
KPC	4	2018	8		0	0	0	0
KPC	4	2018	9		0	0	0	0
KPC	4	2018	10		0	0	0	0
KPC	4	2018	11		0	0	0	0
KPC	4	2018	12		0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind8	ind9	min1	min2	min2time
KPC	4	2019	1	1	0	0	0	0
KPC	4	2019	2	2	0	0	0	0
KPC	4	2019	3	3	0	0	0	0
KPC	4	2019	4	4	0	0	0	0
KPC	4	2019	5	5	0	0	0	0
KPC	4	2019	6	6	0	0	0	0
KPC	4	2019	7	7	0	0	0	0
KPC	4	2019	8	8	0	0	0	0
KPC	4	2019	9	9	0	0	0	0
KPC	4	2019	10	10	0	0	0	0
KPC	4	2019	11	11	0	0	0	0
KPC	4	2019	12	12	0	0	0	0
KPC	4	2020	1	1	0	0	0	0
KPC	4	2020	2	2	0	0	0	0
KPC	4	2020	3	3	0	0	0	0
KPC	4	2020	4	4	0	0	0	0
KPC	4	2020	5	5	0	0	0	0
KPC	4	2020	6	6	0	0	0	0
KPC	4	2020	7	7	0	0	0	0
KPC	4	2020	8	8	0	0	0	0
KPC	4	2020	9	9	0	0	0	0
KPC	4	2020	10	10	0	0	0	0
KPC	4	2020	11	11	0	0	0	0
KPC	4	2020	12	12	0	0	0	0
KPC	4	2021	1	1	0	0	0	0
KPC	4	2021	2	2	0	0	0	0
KPC	4	2021	3	3	0	0	0	0
KPC	4	2021	4	4	0	0	0	0
KPC	4	2021	5	5	0	0	0	0
KPC	4	2021	6	6	0	0	0	0
KPC	4	2021	7	7	0	0	0	0
KPC	4	2021	8	8	0	0	0	0
KPC	4	2021	9	9	0	0	0	0
KPC	4	2021	10	10	0	0	0	0
KPC	4	2021	11	11	0	0	0	0
KPC	4	2021	12	12	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	ind8	ind9	min1	min2	min2time
KPC	4	2022	1	0	0	0	0	0
KPC	4	2022	2	0	0	0	0	0
KPC	4	2022	3	0	0	0	0	0
KPC	4	2022	4	0	0	0	0	0
KPC	4	2022	5	0	0	0	0	0
KPC	4	2022	6	0	0	0	0	0
KPC	4	2022	7	0	0	0	0	0
KPC	4	2022	8	0	0	0	0	0
KPC	4	2022	9	0	0	0	0	0
KPC	4	2022	10	0	0	0	0	0
KPC	4	2022	11	0	0	0	0	0
KPC	4	2022	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	min3	min4	min5	min6	min7
KPC	1	2009	1	0	0	0	0	0
KPC	1	2009	2	0	0	0	0	0
KPC	1	2009	3	0	0	0	0	0
KPC	1	2009	4	0	0	0	0	0
KPC	1	2009	5	0	0	0	0	0
KPC	1	2009	6	0	0	0	0	0
KPC	1	2009	7	0	0	0	0	0
KPC	1	2009	8	0	0	0	0	0
KPC	1	2009	9	0	0	0	0	0
KPC	1	2009	10	0	0	0	0	0
KPC	1	2009	11	0	0	0	0	0
KPC	1	2009	12	0	0	0	0	0
KPC	1	2010	1	0	0	0	0	0
KPC	1	2010	2	0	0	0	0	0
KPC	1	2010	3	0	0	0	0	0
KPC	1	2010	4	0	0	0	0	0
KPC	1	2010	5	0	0	0	0	0
KPC	1	2010	6	0	0	0	0	0
KPC	1	2010	7	0	0	0	0	0
KPC	1	2010	8	0	0	0	0	0
KPC	1	2010	9	0	0	0	0	0
KPC	1	2010	10	0	0	0	0	0
KPC	1	2010	11	0	0	0	0	0
KPC	1	2010	12	0	0	0	0	0
KPC	1	2011	1	0	0	0	0	0
KPC	1	2011	2	0	0	0	0	0
KPC	1	2011	3	0	0	0	0	0
KPC	1	2011	4	0	0	0	0	0
KPC	1	2011	5	0	0	0	0	0
KPC	1	2011	6	0	0	0	0	0
KPC	1	2011	7	0	0	0	0	0
KPC	1	2011	8	0	0	0	0	0
KPC	1	2011	9	0	0	0	0	0
KPC	1	2011	10	0	0	0	0	0
KPC	1	2011	11	0	0	0	0	0
KPC	1	2011	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	min3	min4	min5	min6	min7
KPC	1	2012	1	0	0	0	0	0
KPC	1	2012	2	0	0	0	0	0
KPC	1	2012	3	0	0	0	0	0
KPC	1	2012	4	0	0	0	0	0
KPC	1	2012	5	0	0	0	0	0
KPC	1	2012	6	0	0	0	0	0
KPC	1	2012	7	0	0	0	0	0
KPC	1	2012	8	0	0	0	0	0
KPC	1	2012	9	0	0	0	0	0
KPC	1	2012	10	0	0	0	0	0
KPC	1	2012	11	0	0	0	0	0
KPC	1	2012	12	0	0	0	0	0
KPC	1	2013	1	0	0	0	0	0
KPC	1	2013	2	0	0	0	0	0
KPC	1	2013	3	0	0	0	0	0
KPC	1	2013	4	0	0	0	0	0
KPC	1	2013	5	0	0	0	0	0
KPC	1	2013	6	0	0	0	0	0
KPC	1	2013	7	0	0	0	0	0
KPC	1	2013	8	0	0	0	0	0
KPC	1	2013	9	0	0	0	0	0
KPC	1	2013	10	0	0	0	0	0
KPC	1	2013	11	0	0	0	0	0
KPC	1	2013	12	0	0	0	0	0
KPC	1	2014	1	0	0	0	0	0
KPC	1	2014	2	0	0	0	0	0
KPC	1	2014	3	0	0	0	0	0
KPC	1	2014	4	0	0	0	0	0
KPC	1	2014	5	0	0	0	0	0
KPC	1	2014	6	0	0	0	0	0
KPC	1	2014	7	0	0	0	0	0
KPC	1	2014	8	0	0	0	0	0
KPC	1	2014	9	0	0	0	0	0
KPC	1	2014	10	0	0	0	0	0
KPC	1	2014	11	0	0	0	0	0
KPC	1	2014	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	min3	min4	min5	min6	min7
KPC	1	2015	1	0	0	0	0	0
KPC	1	2015	2	0	0	0	0	0
KPC	1	2015	3	0	0	0	0	0
KPC	1	2015	4	0	0	0	0	0
KPC	1	2015	5	0	0	0	0	0
KPC	1	2015	6	0	0	0	0	0
KPC	1	2015	7	0	0	0	0	0
KPC	1	2015	8	0	0	0	0	0
KPC	1	2015	9	0	0	0	0	0
KPC	1	2015	10	0	0	0	0	0
KPC	1	2015	11	0	0	0	0	0
KPC	1	2015	12	0	0	0	0	0
KPC	1	2016	1	0	0	0	0	0
KPC	1	2016	2	0	0	0	0	0
KPC	1	2016	3	0	0	0	0	0
KPC	1	2016	4	0	0	0	0	0
KPC	1	2016	5	0	0	0	0	0
KPC	1	2016	6	0	0	0	0	0
KPC	1	2016	7	0	0	0	0	0
KPC	1	2016	8	0	0	0	0	0
KPC	1	2016	9	0	0	0	0	0
KPC	1	2016	10	0	0	0	0	0
KPC	1	2016	11	0	0	0	0	0
KPC	1	2016	12	0	0	0	0	0
KPC	1	2017	1	0	0	0	0	0
KPC	1	2017	2	0	0	0	0	0
KPC	1	2017	3	0	0	0	0	0
KPC	1	2017	4	0	0	0	0	0
KPC	1	2017	5	0	0	0	0	0
KPC	1	2017	6	0	0	0	0	0
KPC	1	2017	7	0	0	0	0	0
KPC	1	2017	8	0	0	0	0	0
KPC	1	2017	9	0	0	0	0	0
KPC	1	2017	10	0	0	0	0	0
KPC	1	2017	11	0	0	0	0	0
KPC	1	2017	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	min3	min4	min5	min6	min7
KPC	1	2018	1	0	0	0	0	0
KPC	1	2018	2	0	0	0	0	0
KPC	1	2018	3	0	0	0	0	0
KPC	1	2018	4	0	0	0	0	0
KPC	1	2018	5	0	0	0	0	0
KPC	1	2018	6	0	0	0	0	0
KPC	1	2018	7	0	0	0	0	0
KPC	1	2018	8	0	0	0	0	0
KPC	1	2018	9	0	0	0	0	0
KPC	1	2018	10	0	0	0	0	0
KPC	1	2018	11	0	0	0	0	0
KPC	1	2018	12	0	0	0	0	0
KPC	1	2019	1	0	0	0	0	0
KPC	1	2019	2	0	0	0	0	0
KPC	1	2019	3	0	0	0	0	0
KPC	1	2019	4	0	0	0	0	0
KPC	1	2019	5	0	0	0	0	0
KPC	1	2019	6	0	0	0	0	0
KPC	1	2019	7	0	0	0	0	0
KPC	1	2019	8	0	0	0	0	0
KPC	1	2019	9	0	0	0	0	0
KPC	1	2019	10	0	0	0	0	0
KPC	1	2019	11	0	0	0	0	0
KPC	1	2019	12	0	0	0	0	0
KPC	1	2020	1	0	0	0	0	0
KPC	1	2020	2	0	0	0	0	0
KPC	1	2020	3	0	0	0	0	0
KPC	1	2020	4	0	0	0	0	0
KPC	1	2020	5	0	0	0	0	0
KPC	1	2020	6	0	0	0	0	0
KPC	1	2020	7	0	0	0	0	0
KPC	1	2020	8	0	0	0	0	0
KPC	1	2020	9	0	0	0	0	0
KPC	1	2020	10	0	0	0	0	0
KPC	1	2020	11	0	0	0	0	0
KPC	1	2020	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	min3	min4	min5	min6	min7
KPC	1	2021	1	0	0	0	0	0
KPC	1	2021	2	0	0	0	0	0
KPC	1	2021	3	0	0	0	0	0
KPC	1	2021	4	0	0	0	0	0
KPC	1	2021	5	0	0	0	0	0
KPC	1	2021	6	0	0	0	0	0
KPC	1	2021	7	0	0	0	0	0
KPC	1	2021	8	0	0	0	0	0
KPC	1	2021	9	0	0	0	0	0
KPC	1	2021	10	0	0	0	0	0
KPC	1	2021	11	0	0	0	0	0
KPC	1	2021	12	0	0	0	0	0
KPC	1	2022	1	0	0	0	0	0
KPC	1	2022	2	0	0	0	0	0
KPC	1	2022	3	0	0	0	0	0
KPC	1	2022	4	0	0	0	0	0
KPC	1	2022	5	0	0	0	0	0
KPC	1	2022	6	0	0	0	0	0
KPC	1	2022	7	0	0	0	0	0
KPC	1	2022	8	0	0	0	0	0
KPC	1	2022	9	0	0	0	0	0
KPC	1	2022	10	0	0	0	0	0
KPC	1	2022	11	0	0	0	0	0
KPC	1	2022	12	0	0	0	0	0
KPC	2	2009	1	0	0	0	0	0
KPC	2	2009	2	0	0	0	0	0
KPC	2	2009	3	0	0	0	0	0
KPC	2	2009	4	0	0	0	0	0
KPC	2	2009	5	0	0	0	0	0
KPC	2	2009	6	0	0	0	0	0
KPC	2	2009	7	0	0	0	0	0
KPC	2	2009	8	0	0	0	0	0
KPC	2	2009	9	0	0	0	0	0
KPC	2	2009	10	0	0	0	0	0
KPC	2	2009	11	0	0	0	0	0
KPC	2	2009	12	0	0	0	0	0

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	min3	min4	min5	min6	min7
KPC	2	2010	1	0	0	0	0	0
KPC	2	2010	2	0	0	0	0	0
KPC	2	2010	3	0	0	0	0	0
KPC	2	2010	4	0	0	0	0	0
KPC	2	2010	5	0	0	0	0	0
KPC	2	2010	6	0	0	0	0	0
KPC	2	2010	7	0	0	0	0	0
KPC	2	2010	8	0	0	0	0	0
KPC	2	2010	9	0	0	0	0	0
KPC	2	2010	10	0	0	0	0	0
KPC	2	2010	11	0	0	0	0	0
KPC	2	2010	12	0	0	0	0	0
KPC	2	2011	1	0	0	0	0	0
KPC	2	2011	2	0	0	0	0	0
KPC	2	2011	3	0	0	0	0	0
KPC	2	2011	4	0	0	0	0	0
KPC	2	2011	5	0	0	0	0	0
KPC	2	2011	6	0	0	0	0	0
KPC	2	2011	7	0	0	0	0	0
KPC	2	2011	8	0	0	0	0	0
KPC	2	2011	9	0	0	0	0	0
KPC	2	2011	10	0	0	0	0	0
KPC	2	2011	11	0	0	0	0	0
KPC	2	2011	12	0	0	0	0	0
KPC	2	2012	1	0	0	0	0	0
KPC	2	2012	2	0	0	0	0	0
KPC	2	2012	3	0	0	0	0	0
KPC	2	2012	4	0	0	0	0	0
KPC	2	2012	5	0	0	0	0	0
KPC	2	2012	6	0	0	0	0	0
KPC	2	2012	7	0	0	0	0	0
KPC	2	2012	8	0	0	0	0	0
KPC	2	2012	9	0	0	0	0	0
KPC	2	2012	10	0	0	0	0	0
KPC	2	2012	11	0	0	0	0	0
KPC	2	2012	12	0	0	0	0	0

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	min3	min4	min5	min6	min7
KPC	2	2013	1	0	0	0	0	0
KPC	2	2013	2	0	0	0	0	0
KPC	2	2013	3	0	0	0	0	0
KPC	2	2013	4	0	0	0	0	0
KPC	2	2013	5	0	0	0	0	0
KPC	2	2013	6	0	0	0	0	0
KPC	2	2013	7	0	0	0	0	0
KPC	2	2013	8	0	0	0	0	0
KPC	2	2013	9	0	0	0	0	0
KPC	2	2013	10	0	0	0	0	0
KPC	2	2013	11	0	0	0	0	0
KPC	2	2013	12	0	0	0	0	0
KPC	2	2014	1	0	0	0	0	0
KPC	2	2014	2	0	0	0	0	0
KPC	2	2014	3	0	0	0	0	0
KPC	2	2014	4	0	0	0	0	0
KPC	2	2014	5	0	0	0	0	0
KPC	2	2014	6	0	0	0	0	0
KPC	2	2014	7	0	0	0	0	0
KPC	2	2014	8	0	0	0	0	0
KPC	2	2014	9	0	0	0	0	0
KPC	2	2014	10	0	0	0	0	0
KPC	2	2014	11	0	0	0	0	0
KPC	2	2014	12	0	0	0	0	0
KPC	2	2015	1	0	0	0	0	0
KPC	2	2015	2	0	0	0	0	0
KPC	2	2015	3	0	0	0	0	0
KPC	2	2015	4	0	0	0	0	0
KPC	2	2015	5	0	0	0	0	0
KPC	2	2015	6	0	0	0	0	0
KPC	2	2015	7	0	0	0	0	0
KPC	2	2015	8	0	0	0	0	0
KPC	2	2015	9	0	0	0	0	0
KPC	2	2015	10	0	0	0	0	0
KPC	2	2015	11	0	0	0	0	0
KPC	2	2015	12	0	0	0	0	0

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	min3	min4	min5	min6	min7
KPC	2	2016	1	0	0	0	0	0
KPC	2	2016	2	0	0	0	0	0
KPC	2	2016	3	0	0	0	0	0
KPC	2	2016	4	0	0	0	0	0
KPC	2	2016	5	0	0	0	0	0
KPC	2	2016	6	0	0	0	0	0
KPC	2	2016	7	0	0	0	0	0
KPC	2	2016	8	0	0	0	0	0
KPC	2	2016	9	0	0	0	0	0
KPC	2	2016	10	0	0	0	0	0
KPC	2	2016	11	0	0	0	0	0
KPC	2	2016	12	0	0	0	0	0
KPC	2	2017	1	0	0	0	0	0
KPC	2	2017	2	0	0	0	0	0
KPC	2	2017	3	0	0	0	0	0
KPC	2	2017	4	0	0	0	0	0
KPC	2	2017	5	0	0	0	0	0
KPC	2	2017	6	0	0	0	0	0
KPC	2	2017	7	0	0	0	0	0
KPC	2	2017	8	0	0	0	0	0
KPC	2	2017	9	0	0	0	0	0
KPC	2	2017	10	0	0	0	0	0
KPC	2	2017	11	0	0	0	0	0
KPC	2	2017	12	0	0	0	0	0
KPC	2	2018	1	0	0	0	0	0
KPC	2	2018	2	0	0	0	0	0
KPC	2	2018	3	0	0	0	0	0
KPC	2	2018	4	0	0	0	0	0
KPC	2	2018	5	0	0	0	0	0
KPC	2	2018	6	0	0	0	0	0
KPC	2	2018	7	0	0	0	0	0
KPC	2	2018	8	0	0	0	0	0
KPC	2	2018	9	0	0	0	0	0
KPC	2	2018	10	0	0	0	0	0
KPC	2	2018	11	0	0	0	0	0
KPC	2	2018	12	0	0	0	0	0

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	min3	min4	min5	min6	min7
KPC	2	2019	1	0	0	0	0	0
KPC	2	2019	2	0	0	0	0	0
KPC	2	2019	3	0	0	0	0	0
KPC	2	2019	4	0	0	0	0	0
KPC	2	2019	5	0	0	0	0	0
KPC	2	2019	6	0	0	0	0	0
KPC	2	2019	7	0	0	0	0	0
KPC	2	2019	8	0	0	0	0	0
KPC	2	2019	9	0	0	0	0	0
KPC	2	2019	10	0	0	0	0	0
KPC	2	2019	11	0	0	0	0	0
KPC	2	2019	12	0	0	0	0	0
KPC	2	2020	1	0	0	0	0	0
KPC	2	2020	2	0	0	0	0	0
KPC	2	2020	3	0	0	0	0	0
KPC	2	2020	4	0	0	0	0	0
KPC	2	2020	5	0	0	0	0	0
KPC	2	2020	6	0	0	0	0	0
KPC	2	2020	7	0	0	0	0	0
KPC	2	2020	8	0	0	0	0	0
KPC	2	2020	9	0	0	0	0	0
KPC	2	2020	10	0	0	0	0	0
KPC	2	2020	11	0	0	0	0	0
KPC	2	2020	12	0	0	0	0	0
KPC	2	2021	1	0	0	0	0	0
KPC	2	2021	2	0	0	0	0	0
KPC	2	2021	3	0	0	0	0	0
KPC	2	2021	4	0	0	0	0	0
KPC	2	2021	5	0	0	0	0	0
KPC	2	2021	6	0	0	0	0	0
KPC	2	2021	7	0	0	0	0	0
KPC	2	2021	8	0	0	0	0	0
KPC	2	2021	9	0	0	0	0	0
KPC	2	2021	10	0	0	0	0	0
KPC	2	2021	11	0	0	0	0	0
KPC	2	2021	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	min3	min4	min5	min6	min7
KPC	2	2022	1	0	0	0	0	0
KPC	2	2022	2	0	0	0	0	0
KPC	2	2022	3	0	0	0	0	0
KPC	2	2022	4	0	0	0	0	0
KPC	2	2022	5	0	0	0	0	0
KPC	2	2022	6	0	0	0	0	0
KPC	2	2022	7	0	0	0	0	0
KPC	2	2022	8	0	0	0	0	0
KPC	2	2022	9	0	0	0	0	0
KPC	2	2022	10	0	0	0	0	0
KPC	2	2022	11	0	0	0	0	0
KPC	2	2022	12	0	0	0	0	0
KPC	3.1	2009	1	0	0	0	0	0
KPC	3.1	2009	2	0	0	0	0	0
KPC	3.1	2009	3	0	0	0	0	0
KPC	3.1	2009	4	0	0	0	0	0
KPC	3.1	2009	5	0	0	0	0	0
KPC	3.1	2009	6	0	0	0	0	0
KPC	3.1	2009	7	0	0	0	0	0
KPC	3.1	2009	8	0	0	0	0	0
KPC	3.1	2009	9	0	0	0	0	0
KPC	3.1	2009	10	0	0	0	0	0
KPC	3.1	2009	11	0	0	0	0	0
KPC	3.1	2009	12	0	0	0	0	0
KPC	3.1	2010	1	0	0	0	0	0
KPC	3.1	2010	2	0	0	0	0	0
KPC	3.1	2010	3	0	0	0	0	0
KPC	3.1	2010	4	0	0	0	0	0
KPC	3.1	2010	5	0	0	0	0	0
KPC	3.1	2010	6	0	0	0	0	0
KPC	3.1	2010	7	0	0	0	0	0
KPC	3.1	2010	8	0	0	0	0	0
KPC	3.1	2010	9	0	0	0	0	0
KPC	3.1	2010	10	0	0	0	0	0
KPC	3.1	2010	11	0	0	0	0	0
KPC	3.1	2010	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	min3	min4	min5	min6	min7
KPC	3.1	2011	1	0	0	0	0	0
KPC	3.1	2011	2	0	0	0	0	0
KPC	3.1	2011	3	0	0	0	0	0
KPC	3.1	2011	4	0	0	0	0	0
KPC	3.1	2011	5	0	0	0	0	0
KPC	3.1	2011	6	0	0	0	0	0
KPC	3.1	2011	7	0	0	0	0	0
KPC	3.1	2011	8	0	0	0	0	0
KPC	3.1	2011	9	0	0	0	0	0
KPC	3.1	2011	10	0	0	0	0	0
KPC	3.1	2011	11	0	0	0	0	0
KPC	3.1	2011	12	0	0	0	0	0
KPC	3.1	2012	1	0	0	0	0	0
KPC	3.1	2012	2	0	0	0	0	0
KPC	3.1	2012	3	0	0	0	0	0
KPC	3.1	2012	4	0	0	0	0	0
KPC	3.1	2012	5	0	0	0	0	0
KPC	3.1	2012	6	0	0	0	0	0
KPC	3.1	2012	7	0	0	0	0	0
KPC	3.1	2012	8	0	0	0	0	0
KPC	3.1	2012	9	0	0	0	0	0
KPC	3.1	2012	10	0	0	0	0	0
KPC	3.1	2012	11	0	0	0	0	0
KPC	3.1	2012	12	0	0	0	0	0
KPC	3.1	2013	1	0	0	0	0	0
KPC	3.1	2013	2	0	0	0	0	0
KPC	3.1	2013	3	0	0	0	0	0
KPC	3.1	2013	4	0	0	0	0	0
KPC	3.1	2013	5	0	0	0	0	0
KPC	3.1	2013	6	0	0	0	0	0
KPC	3.1	2013	7	0	0	0	0	0
KPC	3.1	2013	8	0	0	0	0	0
KPC	3.1	2013	9	0	0	0	0	0
KPC	3.1	2013	10	0	0	0	0	0
KPC	3.1	2013	11	0	0	0	0	0
KPC	3.1	2013	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	min3	min4	min5	min6	min7
KPC	3.1	2014	1	0	0	0	0	0
KPC	3.1	2014	2	0	0	0	0	0
KPC	3.1	2014	3	0	0	0	0	0
KPC	3.1	2014	4	0	0	0	0	0
KPC	3.1	2014	5	0	0	0	0	0
KPC	3.1	2014	6	0	0	0	0	0
KPC	3.1	2014	7	0	0	0	0	0
KPC	3.1	2014	8	0	0	0	0	0
KPC	3.1	2014	9	0	0	0	0	0
KPC	3.1	2014	10	0	0	0	0	0
KPC	3.1	2014	11	0	0	0	0	0
KPC	3.1	2014	12	0	0	0	0	0
KPC	3.1	2015	1	0	0	0	0	0
KPC	3.1	2015	2	0	0	0	0	0
KPC	3.1	2015	3	0	0	0	0	0
KPC	3.1	2015	4	0	0	0	0	0
KPC	3.1	2015	5	0	0	0	0	0
KPC	3.1	2015	6	0	0	0	0	0
KPC	3.1	2015	7	0	0	0	0	0
KPC	3.1	2015	8	0	0	0	0	0
KPC	3.1	2015	9	0	0	0	0	0
KPC	3.1	2015	10	0	0	0	0	0
KPC	3.1	2015	11	0	0	0	0	0
KPC	3.1	2015	12	0	0	0	0	0
KPC	3.1	2016	1	0	0	0	0	0
KPC	3.1	2016	2	0	0	0	0	0
KPC	3.1	2016	3	0	0	0	0	0
KPC	3.1	2016	4	0	0	0	0	0
KPC	3.1	2016	5	0	0	0	0	0
KPC	3.1	2016	6	0	0	0	0	0
KPC	3.1	2016	7	0	0	0	0	0
KPC	3.1	2016	8	0	0	0	0	0
KPC	3.1	2016	9	0	0	0	0	0
KPC	3.1	2016	10	0	0	0	0	0
KPC	3.1	2016	11	0	0	0	0	0
KPC	3.1	2016	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	min3	min4	min5	min6	min7
KPC	3.1	2017	1	0	0	0	0	0
KPC	3.1	2017	2	0	0	0	0	0
KPC	3.1	2017	3	0	0	0	0	0
KPC	3.1	2017	4	0	0	0	0	0
KPC	3.1	2017	5	0	0	0	0	0
KPC	3.1	2017	6	0	0	0	0	0
KPC	3.1	2017	7	0	0	0	0	0
KPC	3.1	2017	8	0	0	0	0	0
KPC	3.1	2017	9	0	0	0	0	0
KPC	3.1	2017	10	0	0	0	0	0
KPC	3.1	2017	11	0	0	0	0	0
KPC	3.1	2017	12	0	0	0	0	0
KPC	3.1	2018	1	0	0	0	0	0
KPC	3.1	2018	2	0	0	0	0	0
KPC	3.1	2018	3	0	0	0	0	0
KPC	3.1	2018	4	0	0	0	0	0
KPC	3.1	2018	5	0	0	0	0	0
KPC	3.1	2018	6	0	0	0	0	0
KPC	3.1	2018	7	0	0	0	0	0
KPC	3.1	2018	8	0	0	0	0	0
KPC	3.1	2018	9	0	0	0	0	0
KPC	3.1	2018	10	0	0	0	0	0
KPC	3.1	2018	11	0	0	0	0	0
KPC	3.1	2018	12	0	0	0	0	0
KPC	3.1	2019	1	0	0	0	0	0
KPC	3.1	2019	2	0	0	0	0	0
KPC	3.1	2019	3	0	0	0	0	0
KPC	3.1	2019	4	0	0	0	0	0
KPC	3.1	2019	5	0	0	0	0	0
KPC	3.1	2019	6	0	0	0	0	0
KPC	3.1	2019	7	0	0	0	0	0
KPC	3.1	2019	8	0	0	0	0	0
KPC	3.1	2019	9	0	0	0	0	0
KPC	3.1	2019	10	0	0	0	0	0
KPC	3.1	2019	11	0	0	0	0	0
KPC	3.1	2019	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	min3	min4	min5	min6	min7
KPC	3.1	2020	1	0	0	0	0	0
KPC	3.1	2020	2	0	0	0	0	0
KPC	3.1	2020	3	0	0	0	0	0
KPC	3.1	2020	4	0	0	0	0	0
KPC	3.1	2020	5	0	0	0	0	0
KPC	3.1	2020	6	0	0	0	0	0
KPC	3.1	2020	7	0	0	0	0	0
KPC	3.1	2020	8	0	0	0	0	0
KPC	3.1	2020	9	0	0	0	0	0
KPC	3.1	2020	10	0	0	0	0	0
KPC	3.1	2020	11	0	0	0	0	0
KPC	3.1	2020	12	0	0	0	0	0
KPC	3.1	2021	1	0	0	0	0	0
KPC	3.1	2021	2	0	0	0	0	0
KPC	3.1	2021	3	0	0	0	0	0
KPC	3.1	2021	4	0	0	0	0	0
KPC	3.1	2021	5	0	0	0	0	0
KPC	3.1	2021	6	0	0	0	0	0
KPC	3.1	2021	7	0	0	0	0	0
KPC	3.1	2021	8	0	0	0	0	0
KPC	3.1	2021	9	0	0	0	0	0
KPC	3.1	2021	10	0	0	0	0	0
KPC	3.1	2021	11	0	0	0	0	0
KPC	3.1	2021	12	0	0	0	0	0
KPC	3.1	2022	1	0	0	0	0	0
KPC	3.1	2022	2	0	0	0	0	0
KPC	3.1	2022	3	0	0	0	0	0
KPC	3.1	2022	4	0	0	0	0	0
KPC	3.1	2022	5	0	0	0	0	0
KPC	3.1	2022	6	0	0	0	0	0
KPC	3.1	2022	7	0	0	0	0	0
KPC	3.1	2022	8	0	0	0	0	0
KPC	3.1	2022	9	0	0	0	0	0
KPC	3.1	2022	10	0	0	0	0	0
KPC	3.1	2022	11	0	0	0	0	0
KPC	3.1	2022	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	min3	min4	min5	min6	min7
KPC	3.15	2009	1	0	0	0	0	0
KPC	3.15	2009	2	0	0	0	0	0
KPC	3.15	2009	3	0	0	0	0	0
KPC	3.15	2009	4	0	0	1	0	0
KPC	3.15	2009	5	0	0	1	0	0
KPC	3.15	2009	6	0	0	1	0	0
KPC	3.15	2009	7	0	0	1	0	0
KPC	3.15	2009	8	0	0	1	0	0
KPC	3.15	2009	9	0	0	1	0	0
KPC	3.15	2009	10	0	0	1	0	0
KPC	3.15	2009	11	0	0	1	0	0
KPC	3.15	2009	12	0	0	1	0	0
KPC	3.15	2010	1	0	0	1	0	0
KPC	3.15	2010	2	0	0	1	0	0
KPC	3.15	2010	3	0	0	1	0	0
KPC	3.15	2010	4	0	0	1	0	0
KPC	3.15	2010	5	1	1	1	0	0
KPC	3.15	2010	6	1	1	1	0	0
KPC	3.15	2010	7	1	1	1	0	0
KPC	3.15	2010	8	1	1	1	0	0
KPC	3.15	2010	9	1	1	1	0	0
KPC	3.15	2010	10	1	1	1	0	0
KPC	3.15	2010	11	1	1	1	0	0
KPC	3.15	2010	12	1	1	1	0	0
KPC	3.15	2011	1	1	1	1	0	0
KPC	3.15	2011	2	1	1	1	0	0
KPC	3.15	2011	3	1	1	1	0	0
KPC	3.15	2011	4	1	1	1	0	0
KPC	3.15	2011	5	1	1	1	0	0
KPC	3.15	2011	6	1	1	1	1	0
KPC	3.15	2011	7	1	1	1	1	0
KPC	3.15	2011	8	1	1	1	1	0
KPC	3.15	2011	9	1	1	1	1	0
KPC	3.15	2011	10	1	1	1	1	0
KPC	3.15	2011	11	1	1	1	1	0
KPC	3.15	2011	12	1	1	1	1	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	min3	min4	min5	min6	min7
KPC	3.15	2012	1	1	1	1	1	0
KPC	3.15	2012	2	1	1	1	1	0
KPC	3.15	2012	3	1	1	1	1	0
KPC	3.15	2012	4	1	1	1	1	0
KPC	3.15	2012	5	1	1	1	1	0
KPC	3.15	2012	6	1	1	1	1	0
KPC	3.15	2012	7	1	1	1	1	0
KPC	3.15	2012	8	1	1	1	1	0
KPC	3.15	2012	9	1	1	1	1	0
KPC	3.15	2012	10	1	1	1	1	0
KPC	3.15	2012	11	1	1	1	1	0
KPC	3.15	2012	12	1	1	1	1	0
KPC	3.15	2013	1	1	1	1	1	0
KPC	3.15	2013	2	1	1	1	1	0
KPC	3.15	2013	3	1	1	1	1	0
KPC	3.15	2013	4	1	1	1	1	0
KPC	3.15	2013	5	1	1	1	1	0
KPC	3.15	2013	6	1	1	1	1	0
KPC	3.15	2013	7	1	1	1	1	0
KPC	3.15	2013	8	1	1	1	1	0
KPC	3.15	2013	9	1	1	1	1	0
KPC	3.15	2013	10	1	1	1	1	0
KPC	3.15	2013	11	1	1	1	1	0
KPC	3.15	2013	12	1	1	1	1	0
KPC	3.15	2014	1	1	1	1	1	0
KPC	3.15	2014	2	1	1	1	1	0
KPC	3.15	2014	3	1	1	1	1	0
KPC	3.15	2014	4	1	1	1	1	0
KPC	3.15	2014	5	1	1	1	1	0
KPC	3.15	2014	6	1	1	1	1	1
KPC	3.15	2014	7	1	1	1	1	1
KPC	3.15	2014	8	1	1	1	1	1
KPC	3.15	2014	9	1	1	1	1	1
KPC	3.15	2014	10	1	1	1	1	1
KPC	3.15	2014	11	1	1	1	1	1
KPC	3.15	2014	12	1	1	1	1	1

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	min3	min4	min5	min6	min7
KPC	3.15	2015	1	1	1	1	1	1
KPC	3.15	2015	2	1	1	1	1	1
KPC	3.15	2015	3	1	1	1	1	1
KPC	3.15	2015	4	1	1	1	1	1
KPC	3.15	2015	5	1	1	1	1	1
KPC	3.15	2015	6	1	1	1	1	1
KPC	3.15	2015	7	1	1	1	1	1
KPC	3.15	2015	8	1	1	1	1	1
KPC	3.15	2015	9	1	1	1	1	1
KPC	3.15	2015	10	1	1	1	1	1
KPC	3.15	2015	11	1	1	1	1	1
KPC	3.15	2015	12	1	1	1	1	1
KPC	3.15	2016	1	1	1	1	1	1
KPC	3.15	2016	2	1	1	1	1	1
KPC	3.15	2016	3	1	1	1	1	1
KPC	3.15	2016	4	1	1	1	1	1
KPC	3.15	2016	5	1	1	1	1	1
KPC	3.15	2016	6	1	1	1	1	1
KPC	3.15	2016	7	1	1	1	1	1
KPC	3.15	2016	8	1	1	1	1	1
KPC	3.15	2016	9	1	1	1	1	1
KPC	3.15	2016	10	1	1	1	1	1
KPC	3.15	2016	11	1	1	1	1	1
KPC	3.15	2016	12	1	1	1	1	1
KPC	3.15	2017	1	1	1	1	1	1
KPC	3.15	2017	2	1	1	1	1	1
KPC	3.15	2017	3	1	1	1	1	1
KPC	3.15	2017	4	1	1	1	1	1
KPC	3.15	2017	5	1	1	1	1	1
KPC	3.15	2017	6	1	1	1	1	1
KPC	3.15	2017	7	1	1	1	1	1
KPC	3.15	2017	8	1	1	1	1	1
KPC	3.15	2017	9	1	1	1	1	1
KPC	3.15	2017	10	1	1	1	1	1
KPC	3.15	2017	11	1	1	1	1	1
KPC	3.15	2017	12	1	1	1	1	1

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	min3	min4	min5	min6	min7
KPC	3.15	2018	1	1	1	1	1	1
KPC	3.15	2018	2	1	1	1	1	1
KPC	3.15	2018	3	1	1	1	1	1
KPC	3.15	2018	4	1	1	1	1	1
KPC	3.15	2018	5	1	1	1	1	1
KPC	3.15	2018	6	1	1	1	1	1
KPC	3.15	2018	7	1	1	1	1	1
KPC	3.15	2018	8	1	1	1	1	1
KPC	3.15	2018	9	1	1	1	1	1
KPC	3.15	2018	10	1	1	1	1	1
KPC	3.15	2018	11	1	1	1	1	1
KPC	3.15	2018	12	1	1	1	1	1
KPC	3.15	2019	1	1	1	1	1	1
KPC	3.15	2019	2	1	1	1	1	1
KPC	3.15	2019	3	1	1	1	1	1
KPC	3.15	2019	4	1	1	1	1	1
KPC	3.15	2019	5	1	1	1	1	1
KPC	3.15	2019	6	1	1	1	1	1
KPC	3.15	2019	7	1	1	1	1	1
KPC	3.15	2019	8	1	1	1	1	1
KPC	3.15	2019	9	1	1	1	1	1
KPC	3.15	2019	10	1	1	1	1	1
KPC	3.15	2019	11	1	1	1	1	1
KPC	3.15	2019	12	1	1	1	1	1
KPC	3.15	2020	1	1	1	1	1	1
KPC	3.15	2020	2	1	1	1	1	1
KPC	3.15	2020	3	1	1	1	1	1
KPC	3.15	2020	4	1	1	1	1	1
KPC	3.15	2020	5	1	1	1	1	1
KPC	3.15	2020	6	1	1	1	1	1
KPC	3.15	2020	7	1	1	1	1	1
KPC	3.15	2020	8	1	1	1	1	1
KPC	3.15	2020	9	1	1	1	1	1
KPC	3.15	2020	10	1	1	1	1	1
KPC	3.15	2020	11	1	1	1	1	1
KPC	3.15	2020	12	1	1	1	1	1

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	min3	min4	min5	min6	min7
KPC	3.15	2021	1	1	1	1	1	1
KPC	3.15	2021	2	1	1	1	1	1
KPC	3.15	2021	3	1	1	1	1	1
KPC	3.15	2021	4	1	1	1	1	1
KPC	3.15	2021	5	1	1	1	1	1
KPC	3.15	2021	6	1	1	1	1	1
KPC	3.15	2021	7	1	1	1	1	1
KPC	3.15	2021	8	1	1	1	1	1
KPC	3.15	2021	9	1	1	1	1	1
KPC	3.15	2021	10	1	1	1	1	1
KPC	3.15	2021	11	1	1	1	1	1
KPC	3.15	2021	12	1	1	1	1	1
KPC	3.15	2022	1	1	1	1	1	1
KPC	3.15	2022	2	1	1	1	1	1
KPC	3.15	2022	3	1	1	1	1	1
KPC	3.15	2022	4	1	1	1	1	1
KPC	3.15	2022	5	1	1	1	1	1
KPC	3.15	2022	6	1	1	1	1	1
KPC	3.15	2022	7	1	1	1	1	1
KPC	3.15	2022	8	1	1	1	1	1
KPC	3.15	2022	9	1	1	1	1	1
KPC	3.15	2022	10	1	1	1	1	1
KPC	3.15	2022	11	1	1	1	1	1
KPC	3.15	2022	12	1	1	1	1	1
KPC	4	2009	1	0	0	0	0	0
KPC	4	2009	2	0	0	0	0	0
KPC	4	2009	3	0	0	0	0	0
KPC	4	2009	4	0	0	0	0	0
KPC	4	2009	5	0	0	0	0	0
KPC	4	2009	6	0	0	0	0	0
KPC	4	2009	7	0	0	0	0	0
KPC	4	2009	8	0	0	0	0	0
KPC	4	2009	9	0	0	0	0	0
KPC	4	2009	10	0	0	0	0	0
KPC	4	2009	11	0	0	0	0	0
KPC	4	2009	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	min3	min4	min5	min6	min7
KPC	4	2010	1	0	0	0	0	0
KPC	4	2010	2	0	0	0	0	0
KPC	4	2010	3	0	0	0	0	0
KPC	4	2010	4	0	0	0	0	0
KPC	4	2010	5	0	0	0	0	0
KPC	4	2010	6	0	0	0	0	0
KPC	4	2010	7	0	0	0	0	0
KPC	4	2010	8	0	0	0	0	0
KPC	4	2010	9	0	0	0	0	0
KPC	4	2010	10	0	0	0	0	0
KPC	4	2010	11	0	0	0	0	0
KPC	4	2010	12	0	0	0	0	0
KPC	4	2011	1	0	0	0	0	0
KPC	4	2011	2	0	0	0	0	0
KPC	4	2011	3	0	0	0	0	0
KPC	4	2011	4	0	0	0	0	0
KPC	4	2011	5	0	0	0	0	0
KPC	4	2011	6	0	0	0	0	0
KPC	4	2011	7	0	0	0	0	0
KPC	4	2011	8	0	0	0	0	0
KPC	4	2011	9	0	0	0	0	0
KPC	4	2011	10	0	0	0	0	0
KPC	4	2011	11	0	0	0	0	0
KPC	4	2011	12	0	0	0	0	0
KPC	4	2012	1	0	0	0	0	0
KPC	4	2012	2	0	0	0	0	0
KPC	4	2012	3	0	0	0	0	0
KPC	4	2012	4	0	0	0	0	0
KPC	4	2012	5	0	0	0	0	0
KPC	4	2012	6	0	0	0	0	0
KPC	4	2012	7	0	0	0	0	0
KPC	4	2012	8	0	0	0	0	0
KPC	4	2012	9	0	0	0	0	0
KPC	4	2012	10	0	0	0	0	0
KPC	4	2012	11	0	0	0	0	0
KPC	4	2012	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	min3	min4	min5	min6	min7
KPC	4	2013	1	0	0	0	0	0
KPC	4	2013	2	0	0	0	0	0
KPC	4	2013	3	0	0	0	0	0
KPC	4	2013	4	0	0	0	0	0
KPC	4	2013	5	0	0	0	0	0
KPC	4	2013	6	0	0	0	0	0
KPC	4	2013	7	0	0	0	0	0
KPC	4	2013	8	0	0	0	0	0
KPC	4	2013	9	0	0	0	0	0
KPC	4	2013	10	0	0	0	0	0
KPC	4	2013	11	0	0	0	0	0
KPC	4	2013	12	0	0	0	0	0
KPC	4	2014	1	0	0	0	0	0
KPC	4	2014	2	0	0	0	0	0
KPC	4	2014	3	0	0	0	0	0
KPC	4	2014	4	0	0	0	0	0
KPC	4	2014	5	0	0	0	0	0
KPC	4	2014	6	0	0	0	0	0
KPC	4	2014	7	0	0	0	0	0
KPC	4	2014	8	0	0	0	0	0
KPC	4	2014	9	0	0	0	0	0
KPC	4	2014	10	0	0	0	0	0
KPC	4	2014	11	0	0	0	0	0
KPC	4	2014	12	0	0	0	0	0
KPC	4	2015	1	0	0	0	0	0
KPC	4	2015	2	0	0	0	0	0
KPC	4	2015	3	0	0	0	0	0
KPC	4	2015	4	0	0	0	0	0
KPC	4	2015	5	0	0	0	0	0
KPC	4	2015	6	0	0	0	0	0
KPC	4	2015	7	0	0	0	0	0
KPC	4	2015	8	0	0	0	0	0
KPC	4	2015	9	0	0	0	0	0
KPC	4	2015	10	0	0	0	0	0
KPC	4	2015	11	0	0	0	0	0
KPC	4	2015	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	min3	min4	min5	min6	min7
KPC	4	2016	1	0	0	0	0	0
KPC	4	2016	2	0	0	0	0	0
KPC	4	2016	3	0	0	0	0	0
KPC	4	2016	4	0	0	0	0	0
KPC	4	2016	5	0	0	0	0	0
KPC	4	2016	6	0	0	0	0	0
KPC	4	2016	7	0	0	0	0	0
KPC	4	2016	8	0	0	0	0	0
KPC	4	2016	9	0	0	0	0	0
KPC	4	2016	10	0	0	0	0	0
KPC	4	2016	11	0	0	0	0	0
KPC	4	2016	12	0	0	0	0	0
KPC	4	2017	1	0	0	0	0	0
KPC	4	2017	2	0	0	0	0	0
KPC	4	2017	3	0	0	0	0	0
KPC	4	2017	4	0	0	0	0	0
KPC	4	2017	5	0	0	0	0	0
KPC	4	2017	6	0	0	0	0	0
KPC	4	2017	7	0	0	0	0	0
KPC	4	2017	8	0	0	0	0	0
KPC	4	2017	9	0	0	0	0	0
KPC	4	2017	10	0	0	0	0	0
KPC	4	2017	11	0	0	0	0	0
KPC	4	2017	12	0	0	0	0	0
KPC	4	2018	1	0	0	0	0	0
KPC	4	2018	2	0	0	0	0	0
KPC	4	2018	3	0	0	0	0	0
KPC	4	2018	4	0	0	0	0	0
KPC	4	2018	5	0	0	0	0	0
KPC	4	2018	6	0	0	0	0	0
KPC	4	2018	7	0	0	0	0	0
KPC	4	2018	8	0	0	0	0	0
KPC	4	2018	9	0	0	0	0	0
KPC	4	2018	10	0	0	0	0	0
KPC	4	2018	11	0	0	0	0	0
KPC	4	2018	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	min3	min4	min5	min6	min7
KPC	4	2019	1	0	0	0	0	0
KPC	4	2019	2	0	0	0	0	0
KPC	4	2019	3	0	0	0	0	0
KPC	4	2019	4	0	0	0	0	0
KPC	4	2019	5	0	0	0	0	0
KPC	4	2019	6	0	0	0	0	0
KPC	4	2019	7	0	0	0	0	0
KPC	4	2019	8	0	0	0	0	0
KPC	4	2019	9	0	0	0	0	0
KPC	4	2019	10	0	0	0	0	0
KPC	4	2019	11	0	0	0	0	0
KPC	4	2019	12	0	0	0	0	0
KPC	4	2020	1	0	0	0	0	0
KPC	4	2020	2	0	0	0	0	0
KPC	4	2020	3	0	0	0	0	0
KPC	4	2020	4	0	0	0	0	0
KPC	4	2020	5	0	0	0	0	0
KPC	4	2020	6	0	0	0	0	0
KPC	4	2020	7	0	0	0	0	0
KPC	4	2020	8	0	0	0	0	0
KPC	4	2020	9	0	0	0	0	0
KPC	4	2020	10	0	0	0	0	0
KPC	4	2020	11	0	0	0	0	0
KPC	4	2020	12	0	0	0	0	0
KPC	4	2021	1	0	0	0	0	0
KPC	4	2021	2	0	0	0	0	0
KPC	4	2021	3	0	0	0	0	0
KPC	4	2021	4	0	0	0	0	0
KPC	4	2021	5	0	0	0	0	0
KPC	4	2021	6	0	0	0	0	0
KPC	4	2021	7	0	0	0	0	0
KPC	4	2021	8	0	0	0	0	0
KPC	4	2021	9	0	0	0	0	0
KPC	4	2021	10	0	0	0	0	0
KPC	4	2021	11	0	0	0	0	0
KPC	4	2021	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	min3	min4	min5	min6	min7
KPC	4	2022	1	0	0	0	0	0
KPC	4	2022	2	0	0	0	0	0
KPC	4	2022	3	0	0	0	0	0
KPC	4	2022	4	0	0	0	0	0
KPC	4	2022	5	0	0	0	0	0
KPC	4	2022	6	0	0	0	0	0
KPC	4	2022	7	0	0	0	0	0
KPC	4	2022	8	0	0	0	0	0
KPC	4	2022	9	0	0	0	0	0
KPC	4	2022	10	0	0	0	0	0
KPC	4	2022	11	0	0	0	0	0
KPC	4	2022	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or1	or2	or3	or4	or5
KPC	1	2009	1	0	0	0	0	0
KPC	1	2009	2	0	0	0	0	0
KPC	1	2009	3	0	0	0	0	0
KPC	1	2009	4	0	0	0	0	0
KPC	1	2009	5	0	0	0	0	0
KPC	1	2009	6	0	0	0	0	0
KPC	1	2009	7	0	0	0	0	0
KPC	1	2009	8	0	0	0	0	0
KPC	1	2009	9	0	0	0	0	0
KPC	1	2009	10	0	0	0	0	0
KPC	1	2009	11	0	0	0	0	0
KPC	1	2009	12	0	0	0	0	0
KPC	1	2010	1	0	0	0	0	0
KPC	1	2010	2	0	0	0	0	0
KPC	1	2010	3	0	0	0	0	0
KPC	1	2010	4	0	0	0	0	0
KPC	1	2010	5	0	0	0	0	0
KPC	1	2010	6	0	0	0	0	0
KPC	1	2010	7	0	0	0	0	0
KPC	1	2010	8	0	0	0	0	0
KPC	1	2010	9	0	0	0	0	0
KPC	1	2010	10	0	0	0	0	0
KPC	1	2010	11	0	0	0	0	0
KPC	1	2010	12	0	0	0	0	0
KPC	1	2011	1	0	0	0	0	0
KPC	1	2011	2	0	0	0	0	0
KPC	1	2011	3	0	0	0	0	0
KPC	1	2011	4	0	0	0	0	0
KPC	1	2011	5	0	0	0	0	0
KPC	1	2011	6	0	0	0	0	0
KPC	1	2011	7	0	0	0	0	0
KPC	1	2011	8	0	0	0	0	0
KPC	1	2011	9	0	0	0	0	0
KPC	1	2011	10	0	0	0	0	0
KPC	1	2011	11	0	0	0	0	0
KPC	1	2011	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or1	or2	or3	or4	or5
KPC	1	2012	1	0	0	0	0	0
KPC	1	2012	2	0	0	0	0	0
KPC	1	2012	3	0	0	0	0	0
KPC	1	2012	4	0	0	0	0	0
KPC	1	2012	5	0	0	0	0	0
KPC	1	2012	6	0	0	0	0	0
KPC	1	2012	7	0	0	0	0	0
KPC	1	2012	8	0	0	0	0	0
KPC	1	2012	9	0	0	0	0	0
KPC	1	2012	10	0	0	0	0	0
KPC	1	2012	11	0	0	0	0	0
KPC	1	2012	12	0	0	0	0	0
KPC	1	2013	1	0	0	0	0	0
KPC	1	2013	2	0	0	0	0	0
KPC	1	2013	3	0	0	0	0	0
KPC	1	2013	4	0	0	0	0	0
KPC	1	2013	5	0	0	0	0	0
KPC	1	2013	6	0	0	0	0	0
KPC	1	2013	7	0	0	0	0	0
KPC	1	2013	8	0	0	0	0	0
KPC	1	2013	9	0	0	0	0	0
KPC	1	2013	10	0	0	0	0	0
KPC	1	2013	11	0	0	0	0	0
KPC	1	2013	12	0	0	0	0	0
KPC	1	2014	1	0	0	0	0	0
KPC	1	2014	2	0	0	0	0	0
KPC	1	2014	3	0	0	0	0	0
KPC	1	2014	4	0	0	0	0	0
KPC	1	2014	5	0	0	0	0	0
KPC	1	2014	6	0	0	0	0	0
KPC	1	2014	7	0	0	0	0	0
KPC	1	2014	8	0	0	0	0	0
KPC	1	2014	9	0	0	0	0	0
KPC	1	2014	10	0	0	0	0	0
KPC	1	2014	11	0	0	0	0	0
KPC	1	2014	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or1	or2	or3	or4	or5
KPC	1	2015	1	0	0	0	0	0
KPC	1	2015	2	0	0	0	0	0
KPC	1	2015	3	0	0	0	0	0
KPC	1	2015	4	0	0	0	0	0
KPC	1	2015	5	0	0	0	0	0
KPC	1	2015	6	0	0	0	0	0
KPC	1	2015	7	0	0	0	0	0
KPC	1	2015	8	0	0	0	0	0
KPC	1	2015	9	0	0	0	0	0
KPC	1	2015	10	0	0	0	0	0
KPC	1	2015	11	0	0	0	0	0
KPC	1	2015	12	0	0	0	0	0
KPC	1	2016	1	0	0	0	0	0
KPC	1	2016	2	0	0	0	0	0
KPC	1	2016	3	0	0	0	0	0
KPC	1	2016	4	0	0	0	0	0
KPC	1	2016	5	0	0	0	0	0
KPC	1	2016	6	0	0	0	0	0
KPC	1	2016	7	0	0	0	0	0
KPC	1	2016	8	0	0	0	0	0
KPC	1	2016	9	0	0	0	0	0
KPC	1	2016	10	0	0	0	0	0
KPC	1	2016	11	0	0	0	0	0
KPC	1	2016	12	0	0	0	0	0
KPC	1	2017	1	0	0	0	0	0
KPC	1	2017	2	0	0	0	0	0
KPC	1	2017	3	0	0	0	0	0
KPC	1	2017	4	0	0	0	0	0
KPC	1	2017	5	0	0	0	0	0
KPC	1	2017	6	0	0	0	0	0
KPC	1	2017	7	0	0	0	0	0
KPC	1	2017	8	0	0	0	0	0
KPC	1	2017	9	0	0	0	0	0
KPC	1	2017	10	0	0	0	0	0
KPC	1	2017	11	0	0	0	0	0
KPC	1	2017	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or1	or2	or3	or4	or5
KPC	1	2018	1	0	0	0	0	0
KPC	1	2018	2	0	0	0	0	0
KPC	1	2018	3	0	0	0	0	0
KPC	1	2018	4	0	0	0	0	0
KPC	1	2018	5	0	0	0	0	0
KPC	1	2018	6	0	0	0	0	0
KPC	1	2018	7	0	0	0	0	0
KPC	1	2018	8	0	0	0	0	0
KPC	1	2018	9	0	0	0	0	0
KPC	1	2018	10	0	0	0	0	0
KPC	1	2018	11	0	0	0	0	0
KPC	1	2018	12	0	0	0	0	0
KPC	1	2019	1	0	0	0	0	0
KPC	1	2019	2	0	0	0	0	0
KPC	1	2019	3	0	0	0	0	0
KPC	1	2019	4	0	0	0	0	0
KPC	1	2019	5	0	0	0	0	0
KPC	1	2019	6	0	0	0	0	0
KPC	1	2019	7	0	0	0	0	0
KPC	1	2019	8	0	0	0	0	0
KPC	1	2019	9	0	0	0	0	0
KPC	1	2019	10	0	0	0	0	0
KPC	1	2019	11	0	0	0	0	0
KPC	1	2019	12	0	0	0	0	0
KPC	1	2020	1	0	0	0	0	0
KPC	1	2020	2	0	0	0	0	0
KPC	1	2020	3	0	0	0	0	0
KPC	1	2020	4	0	0	0	0	0
KPC	1	2020	5	0	0	0	0	0
KPC	1	2020	6	0	0	0	0	0
KPC	1	2020	7	0	0	0	0	0
KPC	1	2020	8	0	0	0	0	0
KPC	1	2020	9	0	0	0	0	0
KPC	1	2020	10	0	0	0	0	0
KPC	1	2020	11	0	0	0	0	0
KPC	1	2020	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or1	or2	or3	or4	or5
KPC	1	2021	1	0	0	0	0	0
KPC	1	2021	2	0	0	0	0	0
KPC	1	2021	3	0	0	0	0	0
KPC	1	2021	4	0	0	0	0	0
KPC	1	2021	5	0	0	0	0	0
KPC	1	2021	6	0	0	0	0	0
KPC	1	2021	7	0	0	0	0	0
KPC	1	2021	8	0	0	0	0	0
KPC	1	2021	9	0	0	0	0	0
KPC	1	2021	10	0	0	0	0	0
KPC	1	2021	11	0	0	0	0	0
KPC	1	2021	12	0	0	0	0	0
KPC	1	2022	1	0	0	0	0	0
KPC	1	2022	2	0	0	0	0	0
KPC	1	2022	3	0	0	0	0	0
KPC	1	2022	4	0	0	0	0	0
KPC	1	2022	5	0	0	0	0	0
KPC	1	2022	6	0	0	0	0	0
KPC	1	2022	7	0	0	0	0	0
KPC	1	2022	8	0	0	0	0	0
KPC	1	2022	9	0	0	0	0	0
KPC	1	2022	10	0	0	0	0	0
KPC	1	2022	11	0	0	0	0	0
KPC	1	2022	12	0	0	0	0	0
KPC	2	2009	1	0	0	0	0	0
KPC	2	2009	2	0	0	0	0	0
KPC	2	2009	3	0	0	0	0	0
KPC	2	2009	4	0	0	0	0	0
KPC	2	2009	5	0	0	0	0	0
KPC	2	2009	6	0	0	0	0	0
KPC	2	2009	7	0	0	0	0	0
KPC	2	2009	8	0	0	0	0	0
KPC	2	2009	9	0	0	0	0	0
KPC	2	2009	10	0	0	0	0	0
KPC	2	2009	11	0	0	0	0	0
KPC	2	2009	12	0	0	0	0	0

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or1	or2	or3	or4	or5
KPC	2	2010	1	0	0	0	0	0
KPC	2	2010	2	0	0	0	0	0
KPC	2	2010	3	0	0	0	0	0
KPC	2	2010	4	0	0	0	0	0
KPC	2	2010	5	0	0	0	0	0
KPC	2	2010	6	0	0	0	0	0
KPC	2	2010	7	0	0	0	0	0
KPC	2	2010	8	0	0	0	0	0
KPC	2	2010	9	0	0	0	0	0
KPC	2	2010	10	0	0	0	0	0
KPC	2	2010	11	0	0	0	0	0
KPC	2	2010	12	0	0	0	0	0
KPC	2	2011	1	0	0	0	0	0
KPC	2	2011	2	0	0	0	0	0
KPC	2	2011	3	0	0	0	0	0
KPC	2	2011	4	0	0	0	0	0
KPC	2	2011	5	0	0	0	0	0
KPC	2	2011	6	0	0	0	0	0
KPC	2	2011	7	0	0	0	0	0
KPC	2	2011	8	0	0	0	0	0
KPC	2	2011	9	0	0	0	0	0
KPC	2	2011	10	0	0	0	0	0
KPC	2	2011	11	0	0	0	0	0
KPC	2	2011	12	0	0	0	0	0
KPC	2	2012	1	0	0	0	0	0
KPC	2	2012	2	0	0	0	0	0
KPC	2	2012	3	0	0	0	0	0
KPC	2	2012	4	0	0	0	0	0
KPC	2	2012	5	0	0	0	0	0
KPC	2	2012	6	0	0	0	0	0
KPC	2	2012	7	0	0	0	0	0
KPC	2	2012	8	0	0	0	0	0
KPC	2	2012	9	0	0	0	0	0
KPC	2	2012	10	0	0	0	0	0
KPC	2	2012	11	0	0	0	0	0
KPC	2	2012	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or1	or2	or3	or4	or5
KPC	2	2013	1	0	0	0	0	0
KPC	2	2013	2	0	0	0	0	0
KPC	2	2013	3	0	0	0	0	0
KPC	2	2013	4	0	0	0	0	0
KPC	2	2013	5	0	0	0	0	0
KPC	2	2013	6	0	0	0	0	0
KPC	2	2013	7	0	0	0	0	0
KPC	2	2013	8	0	0	0	0	0
KPC	2	2013	9	0	0	0	0	0
KPC	2	2013	10	0	0	0	0	0
KPC	2	2013	11	0	0	0	0	0
KPC	2	2013	12	0	0	0	0	0
KPC	2	2014	1	0	0	0	0	0
KPC	2	2014	2	0	0	0	0	0
KPC	2	2014	3	0	0	0	0	0
KPC	2	2014	4	0	0	0	0	0
KPC	2	2014	5	0	0	0	0	0
KPC	2	2014	6	0	0	0	0	0
KPC	2	2014	7	0	0	0	0	0
KPC	2	2014	8	0	0	0	0	0
KPC	2	2014	9	0	0	0	0	0
KPC	2	2014	10	0	0	0	0	0
KPC	2	2014	11	0	0	0	0	0
KPC	2	2014	12	0	0	0	0	0
KPC	2	2015	1	0	0	0	0	0
KPC	2	2015	2	0	0	0	0	0
KPC	2	2015	3	0	0	0	0	0
KPC	2	2015	4	0	0	0	0	0
KPC	2	2015	5	0	0	0	0	0
KPC	2	2015	6	0	0	0	0	0
KPC	2	2015	7	0	0	0	0	0
KPC	2	2015	8	0	0	0	0	0
KPC	2	2015	9	0	0	0	0	0
KPC	2	2015	10	0	0	0	0	0
KPC	2	2015	11	0	0	0	0	0
KPC	2	2015	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or1	or2	or3	or4	or5
KPC	2	2016	1	0	0	0	0	0
KPC	2	2016	2	0	0	0	0	0
KPC	2	2016	3	0	0	0	0	0
KPC	2	2016	4	0	0	0	0	0
KPC	2	2016	5	0	0	0	0	0
KPC	2	2016	6	0	0	0	0	0
KPC	2	2016	7	0	0	0	0	0
KPC	2	2016	8	0	0	0	0	0
KPC	2	2016	9	0	0	0	0	0
KPC	2	2016	10	0	0	0	0	0
KPC	2	2016	11	0	0	0	0	0
KPC	2	2016	12	0	0	0	0	0
KPC	2	2017	1	0	0	0	0	0
KPC	2	2017	2	0	0	0	0	0
KPC	2	2017	3	0	0	0	0	0
KPC	2	2017	4	0	0	0	0	0
KPC	2	2017	5	0	0	0	0	0
KPC	2	2017	6	0	0	0	0	0
KPC	2	2017	7	0	0	0	0	0
KPC	2	2017	8	0	0	0	0	0
KPC	2	2017	9	0	0	0	0	0
KPC	2	2017	10	0	0	0	0	0
KPC	2	2017	11	0	0	0	0	0
KPC	2	2017	12	0	0	0	0	0
KPC	2	2018	1	0	0	0	0	0
KPC	2	2018	2	0	0	0	0	0
KPC	2	2018	3	0	0	0	0	0
KPC	2	2018	4	0	0	0	0	0
KPC	2	2018	5	0	0	0	0	0
KPC	2	2018	6	0	0	0	0	0
KPC	2	2018	7	0	0	0	0	0
KPC	2	2018	8	0	0	0	0	0
KPC	2	2018	9	0	0	0	0	0
KPC	2	2018	10	0	0	0	0	0
KPC	2	2018	11	0	0	0	0	0
KPC	2	2018	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or1	or2	or3	or4	or5
KPC	2	2019	1	0	0	0	0	0
KPC	2	2019	2	0	0	0	0	0
KPC	2	2019	3	0	0	0	0	0
KPC	2	2019	4	0	0	0	0	0
KPC	2	2019	5	0	0	0	0	0
KPC	2	2019	6	0	0	0	0	0
KPC	2	2019	7	0	0	0	0	0
KPC	2	2019	8	0	0	0	0	0
KPC	2	2019	9	0	0	0	0	0
KPC	2	2019	10	0	0	0	0	0
KPC	2	2019	11	0	0	0	0	0
KPC	2	2019	12	0	0	0	0	0
KPC	2	2020	1	0	0	0	0	0
KPC	2	2020	2	0	0	0	0	0
KPC	2	2020	3	0	0	0	0	0
KPC	2	2020	4	0	0	0	0	0
KPC	2	2020	5	0	0	0	0	0
KPC	2	2020	6	0	0	0	0	0
KPC	2	2020	7	0	0	0	0	0
KPC	2	2020	8	0	0	0	0	0
KPC	2	2020	9	0	0	0	0	0
KPC	2	2020	10	0	0	0	0	0
KPC	2	2020	11	0	0	0	0	0
KPC	2	2020	12	0	0	0	0	0
KPC	2	2021	1	0	0	0	0	0
KPC	2	2021	2	0	0	0	0	0
KPC	2	2021	3	0	0	0	0	0
KPC	2	2021	4	0	0	0	0	0
KPC	2	2021	5	0	0	0	0	0
KPC	2	2021	6	0	0	0	0	0
KPC	2	2021	7	0	0	0	0	0
KPC	2	2021	8	0	0	0	0	0
KPC	2	2021	9	0	0	0	0	0
KPC	2	2021	10	0	0	0	0	0
KPC	2	2021	11	0	0	0	0	0
KPC	2	2021	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or1	or2	or3	or4	or5
KPC	2	2022	1	0	0	0	0	0
KPC	2	2022	2	0	0	0	0	0
KPC	2	2022	3	0	0	0	0	0
KPC	2	2022	4	0	0	0	0	0
KPC	2	2022	5	0	0	0	0	0
KPC	2	2022	6	0	0	0	0	0
KPC	2	2022	7	0	0	0	0	0
KPC	2	2022	8	0	0	0	0	0
KPC	2	2022	9	0	0	0	0	0
KPC	2	2022	10	0	0	0	0	0
KPC	2	2022	11	0	0	0	0	0
KPC	2	2022	12	0	0	0	0	0
KPC	3.1	2009	1	0	0	0	0	0
KPC	3.1	2009	2	0	0	0	0	0
KPC	3.1	2009	3	0	0	0	0	0
KPC	3.1	2009	4	0	0	0	0	0
KPC	3.1	2009	5	0	0	0	0	0
KPC	3.1	2009	6	0	0	0	0	0
KPC	3.1	2009	7	0	0	0	0	0
KPC	3.1	2009	8	0	0	0	0	0
KPC	3.1	2009	9	0	0	0	0	0
KPC	3.1	2009	10	0	0	0	0	0
KPC	3.1	2009	11	0	0	0	0	0
KPC	3.1	2009	12	0	0	0	0	0
KPC	3.1	2010	1	0	0	0	0	0
KPC	3.1	2010	2	0	0	0	0	0
KPC	3.1	2010	3	0	0	0	0	0
KPC	3.1	2010	4	0	0	0	0	0
KPC	3.1	2010	5	0	0	0	0	0
KPC	3.1	2010	6	0	0	0	0	0
KPC	3.1	2010	7	0	0	0	0	0
KPC	3.1	2010	8	0	0	0	0	0
KPC	3.1	2010	9	0	0	0	0	0
KPC	3.1	2010	10	0	0	0	0	0
KPC	3.1	2010	11	0	0	0	0	0
KPC	3.1	2010	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or1	or2	or3	or4	or5
KPC	3.1	2011	1	0	0	0	0	0
KPC	3.1	2011	2	0	0	0	0	0
KPC	3.1	2011	3	0	0	0	0	0
KPC	3.1	2011	4	0	0	0	0	0
KPC	3.1	2011	5	0	0	0	0	0
KPC	3.1	2011	6	0	0	0	0	0
KPC	3.1	2011	7	0	0	0	0	0
KPC	3.1	2011	8	0	0	0	0	0
KPC	3.1	2011	9	0	0	0	0	0
KPC	3.1	2011	10	0	0	0	0	0
KPC	3.1	2011	11	0	0	0	0	0
KPC	3.1	2011	12	0	0	0	0	0
KPC	3.1	2012	1	0	0	0	0	0
KPC	3.1	2012	2	0	0	0	0	0
KPC	3.1	2012	3	0	0	0	0	0
KPC	3.1	2012	4	0	0	0	0	0
KPC	3.1	2012	5	0	0	0	0	0
KPC	3.1	2012	6	0	0	0	0	0
KPC	3.1	2012	7	0	0	0	0	0
KPC	3.1	2012	8	0	0	0	0	0
KPC	3.1	2012	9	0	0	0	0	0
KPC	3.1	2012	10	0	0	0	0	0
KPC	3.1	2012	11	0	0	0	0	0
KPC	3.1	2012	12	0	0	0	0	0
KPC	3.1	2013	1	0	0	0	0	0
KPC	3.1	2013	2	0	0	0	0	0
KPC	3.1	2013	3	0	0	0	0	0
KPC	3.1	2013	4	0	0	0	0	0
KPC	3.1	2013	5	0	0	0	0	0
KPC	3.1	2013	6	0	0	0	0	0
KPC	3.1	2013	7	0	0	0	0	0
KPC	3.1	2013	8	0	0	0	0	0
KPC	3.1	2013	9	0	0	0	0	0
KPC	3.1	2013	10	0	0	0	0	0
KPC	3.1	2013	11	0	0	0	0	0
KPC	3.1	2013	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or1	or2	or3	or4	or5
KPC	3.1	2014	1	0	0	0	0	0
KPC	3.1	2014	2	0	0	0	0	0
KPC	3.1	2014	3	0	0	0	0	0
KPC	3.1	2014	4	0	0	0	0	0
KPC	3.1	2014	5	0	0	0	0	0
KPC	3.1	2014	6	0	0	0	0	0
KPC	3.1	2014	7	0	0	0	0	0
KPC	3.1	2014	8	0	0	0	0	0
KPC	3.1	2014	9	0	0	0	0	0
KPC	3.1	2014	10	0	0	0	0	0
KPC	3.1	2014	11	0	0	0	0	0
KPC	3.1	2014	12	0	0	0	0	0
KPC	3.1	2015	1	0	0	0	0	0
KPC	3.1	2015	2	0	0	0	0	0
KPC	3.1	2015	3	0	0	0	0	0
KPC	3.1	2015	4	0	0	0	0	0
KPC	3.1	2015	5	0	0	0	0	0
KPC	3.1	2015	6	0	0	0	0	0
KPC	3.1	2015	7	0	0	0	0	0
KPC	3.1	2015	8	0	0	0	0	0
KPC	3.1	2015	9	0	0	0	0	0
KPC	3.1	2015	10	0	0	0	0	0
KPC	3.1	2015	11	0	0	0	0	0
KPC	3.1	2015	12	0	0	0	0	0
KPC	3.1	2016	1	0	0	0	0	0
KPC	3.1	2016	2	0	0	0	0	0
KPC	3.1	2016	3	0	0	0	0	0
KPC	3.1	2016	4	0	0	0	0	0
KPC	3.1	2016	5	0	0	0	0	0
KPC	3.1	2016	6	0	0	0	0	0
KPC	3.1	2016	7	0	0	0	0	0
KPC	3.1	2016	8	0	0	0	0	0
KPC	3.1	2016	9	0	0	0	0	0
KPC	3.1	2016	10	0	0	0	0	0
KPC	3.1	2016	11	0	0	0	0	0
KPC	3.1	2016	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or1	or2	or3	or4	or5
KPC	3.1	2017	1	0	0	0	0	0
KPC	3.1	2017	2	0	0	0	0	0
KPC	3.1	2017	3	0	0	0	0	0
KPC	3.1	2017	4	0	0	0	0	0
KPC	3.1	2017	5	0	0	0	0	0
KPC	3.1	2017	6	0	0	0	0	0
KPC	3.1	2017	7	0	0	0	0	0
KPC	3.1	2017	8	0	0	0	0	0
KPC	3.1	2017	9	0	0	0	0	0
KPC	3.1	2017	10	0	0	0	0	0
KPC	3.1	2017	11	0	0	0	0	0
KPC	3.1	2017	12	0	0	0	0	0
KPC	3.1	2018	1	0	0	0	0	0
KPC	3.1	2018	2	0	0	0	0	0
KPC	3.1	2018	3	0	0	0	0	0
KPC	3.1	2018	4	0	0	0	0	0
KPC	3.1	2018	5	0	0	0	0	0
KPC	3.1	2018	6	0	0	0	0	0
KPC	3.1	2018	7	0	0	0	0	0
KPC	3.1	2018	8	0	0	0	0	0
KPC	3.1	2018	9	0	0	0	0	0
KPC	3.1	2018	10	0	0	0	0	0
KPC	3.1	2018	11	0	0	0	0	0
KPC	3.1	2018	12	0	0	0	0	0
KPC	3.1	2019	1	0	0	0	0	0
KPC	3.1	2019	2	0	0	0	0	0
KPC	3.1	2019	3	0	0	0	0	0
KPC	3.1	2019	4	0	0	0	0	0
KPC	3.1	2019	5	0	0	0	0	0
KPC	3.1	2019	6	0	0	0	0	0
KPC	3.1	2019	7	0	0	0	0	0
KPC	3.1	2019	8	0	0	0	0	0
KPC	3.1	2019	9	0	0	0	0	0
KPC	3.1	2019	10	0	0	0	0	0
KPC	3.1	2019	11	0	0	0	0	0
KPC	3.1	2019	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or1	or2	or3	or4	or5
KPC	3.1	2020	1	0	0	0	0	0
KPC	3.1	2020	2	0	0	0	0	0
KPC	3.1	2020	3	0	0	0	0	0
KPC	3.1	2020	4	0	0	0	0	0
KPC	3.1	2020	5	0	0	0	0	0
KPC	3.1	2020	6	0	0	0	0	0
KPC	3.1	2020	7	0	0	0	0	0
KPC	3.1	2020	8	0	0	0	0	0
KPC	3.1	2020	9	0	0	0	0	0
KPC	3.1	2020	10	0	0	0	0	0
KPC	3.1	2020	11	0	0	0	0	0
KPC	3.1	2020	12	0	0	0	0	0
KPC	3.1	2021	1	0	0	0	0	0
KPC	3.1	2021	2	0	0	0	0	0
KPC	3.1	2021	3	0	0	0	0	0
KPC	3.1	2021	4	0	0	0	0	0
KPC	3.1	2021	5	0	0	0	0	0
KPC	3.1	2021	6	0	0	0	0	0
KPC	3.1	2021	7	0	0	0	0	0
KPC	3.1	2021	8	0	0	0	0	0
KPC	3.1	2021	9	0	0	0	0	0
KPC	3.1	2021	10	0	0	0	0	0
KPC	3.1	2021	11	0	0	0	0	0
KPC	3.1	2021	12	0	0	0	0	0
KPC	3.1	2022	1	0	0	0	0	0
KPC	3.1	2022	2	0	0	0	0	0
KPC	3.1	2022	3	0	0	0	0	0
KPC	3.1	2022	4	0	0	0	0	0
KPC	3.1	2022	5	0	0	0	0	0
KPC	3.1	2022	6	0	0	0	0	0
KPC	3.1	2022	7	0	0	0	0	0
KPC	3.1	2022	8	0	0	0	0	0
KPC	3.1	2022	9	0	0	0	0	0
KPC	3.1	2022	10	0	0	0	0	0
KPC	3.1	2022	11	0	0	0	0	0
KPC	3.1	2022	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or1	or2	or3	or4	or5
KPC	3.15	2009	1	0	0	0	0	0
KPC	3.15	2009	2	0	0	0	0	0
KPC	3.15	2009	3	0	0	0	0	0
KPC	3.15	2009	4	0	0	0	0	0
KPC	3.15	2009	5	0	0	0	0	0
KPC	3.15	2009	6	0	0	0	0	0
KPC	3.15	2009	7	0	0	0	0	0
KPC	3.15	2009	8	0	0	0	0	0
KPC	3.15	2009	9	0	0	0	0	0
KPC	3.15	2009	10	0	0	0	0	0
KPC	3.15	2009	11	0	0	0	0	0
KPC	3.15	2009	12	0	0	0	0	0
KPC	3.15	2010	1	0	0	0	0	0
KPC	3.15	2010	2	0	0	0	0	0
KPC	3.15	2010	3	0	0	0	0	0
KPC	3.15	2010	4	0	0	0	0	0
KPC	3.15	2010	5	0	0	0	0	0
KPC	3.15	2010	6	0	0	0	0	0
KPC	3.15	2010	7	0	0	0	0	0
KPC	3.15	2010	8	0	0	0	0	0
KPC	3.15	2010	9	0	0	0	0	0
KPC	3.15	2010	10	0	0	0	0	0
KPC	3.15	2010	11	0	0	0	0	0
KPC	3.15	2010	12	0	0	0	0	0
KPC	3.15	2011	1	0	0	0	0	0
KPC	3.15	2011	2	0	0	0	0	0
KPC	3.15	2011	3	0	0	0	0	0
KPC	3.15	2011	4	0	0	0	0	0
KPC	3.15	2011	5	0	0	0	0	0
KPC	3.15	2011	6	0	0	0	0	0
KPC	3.15	2011	7	0	0	0	0	0
KPC	3.15	2011	8	0	0	0	0	0
KPC	3.15	2011	9	0	0	0	0	0
KPC	3.15	2011	10	0	0	0	0	0
KPC	3.15	2011	11	0	0	0	0	0
KPC	3.15	2011	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or1	or2	or3	or4	or5
KPC	3.15	2012	1	0	0	0	0	0
KPC	3.15	2012	2	0	0	0	0	0
KPC	3.15	2012	3	0	0	0	0	0
KPC	3.15	2012	4	0	0	0	0	0
KPC	3.15	2012	5	0	0	0	0	0
KPC	3.15	2012	6	0	0	0	0	0
KPC	3.15	2012	7	0	0	0	0	0
KPC	3.15	2012	8	0	0	0	0	0
KPC	3.15	2012	9	0	0	0	0	0
KPC	3.15	2012	10	0	0	0	0	0
KPC	3.15	2012	11	0	0	0	0	0
KPC	3.15	2012	12	0	0	0	0	0
KPC	3.15	2013	1	0	0	0	0	0
KPC	3.15	2013	2	0	0	0	0	0
KPC	3.15	2013	3	0	0	0	0	0
KPC	3.15	2013	4	0	0	0	0	0
KPC	3.15	2013	5	0	0	0	0	0
KPC	3.15	2013	6	0	0	0	0	0
KPC	3.15	2013	7	0	0	0	0	0
KPC	3.15	2013	8	0	0	0	0	0
KPC	3.15	2013	9	0	0	0	0	0
KPC	3.15	2013	10	0	0	0	0	0
KPC	3.15	2013	11	0	0	0	0	0
KPC	3.15	2013	12	0	0	0	0	0
KPC	3.15	2014	1	0	0	0	0	0
KPC	3.15	2014	2	0	0	0	0	0
KPC	3.15	2014	3	0	0	0	0	0
KPC	3.15	2014	4	0	0	0	0	0
KPC	3.15	2014	5	0	0	0	0	0
KPC	3.15	2014	6	0	0	0	0	0
KPC	3.15	2014	7	0	0	0	0	0
KPC	3.15	2014	8	0	0	0	0	0
KPC	3.15	2014	9	0	0	0	0	0
KPC	3.15	2014	10	0	0	0	0	0
KPC	3.15	2014	11	0	0	0	0	0
KPC	3.15	2014	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or1	or2	or3	or4	or5
KPC	3.15	2015	1	0	0	0	0	0
KPC	3.15	2015	2	0	0	0	0	0
KPC	3.15	2015	3	0	0	0	0	0
KPC	3.15	2015	4	0	0	0	0	0
KPC	3.15	2015	5	0	0	0	0	0
KPC	3.15	2015	6	0	0	0	0	0
KPC	3.15	2015	7	0	0	0	0	0
KPC	3.15	2015	8	0	0	0	0	0
KPC	3.15	2015	9	0	0	0	0	0
KPC	3.15	2015	10	0	0	0	0	0
KPC	3.15	2015	11	0	0	0	0	0
KPC	3.15	2015	12	0	0	0	0	0
KPC	3.15	2016	1	0	0	0	0	0
KPC	3.15	2016	2	0	0	0	0	0
KPC	3.15	2016	3	0	0	0	0	0
KPC	3.15	2016	4	0	0	0	0	0
KPC	3.15	2016	5	0	0	0	0	0
KPC	3.15	2016	6	0	0	0	0	0
KPC	3.15	2016	7	0	0	0	0	0
KPC	3.15	2016	8	0	0	0	0	0
KPC	3.15	2016	9	0	0	0	0	0
KPC	3.15	2016	10	0	0	0	0	0
KPC	3.15	2016	11	0	0	0	0	0
KPC	3.15	2016	12	0	0	0	0	0
KPC	3.15	2017	1	0	0	0	0	0
KPC	3.15	2017	2	0	0	0	0	0
KPC	3.15	2017	3	0	0	0	0	0
KPC	3.15	2017	4	0	0	0	0	0
KPC	3.15	2017	5	0	0	0	0	0
KPC	3.15	2017	6	0	0	0	0	0
KPC	3.15	2017	7	0	0	0	0	0
KPC	3.15	2017	8	0	0	0	0	0
KPC	3.15	2017	9	0	0	0	0	0
KPC	3.15	2017	10	0	0	0	0	0
KPC	3.15	2017	11	0	0	0	0	0
KPC	3.15	2017	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or1	or2	or3	or4	or5
KPC	3.15	2018	1	0	0	0	0	0
KPC	3.15	2018	2	0	0	0	0	0
KPC	3.15	2018	3	0	0	0	0	0
KPC	3.15	2018	4	0	0	0	0	0
KPC	3.15	2018	5	0	0	0	0	0
KPC	3.15	2018	6	0	0	0	0	0
KPC	3.15	2018	7	0	0	0	0	0
KPC	3.15	2018	8	0	0	0	0	0
KPC	3.15	2018	9	0	0	0	0	0
KPC	3.15	2018	10	0	0	0	0	0
KPC	3.15	2018	11	0	0	0	0	0
KPC	3.15	2018	12	0	0	0	0	0
KPC	3.15	2019	1	0	0	0	0	0
KPC	3.15	2019	2	0	0	0	0	0
KPC	3.15	2019	3	0	0	0	0	0
KPC	3.15	2019	4	0	0	0	0	0
KPC	3.15	2019	5	0	0	0	0	0
KPC	3.15	2019	6	0	0	0	0	0
KPC	3.15	2019	7	0	0	0	0	0
KPC	3.15	2019	8	0	0	0	0	0
KPC	3.15	2019	9	0	0	0	0	0
KPC	3.15	2019	10	0	0	0	0	0
KPC	3.15	2019	11	0	0	0	0	0
KPC	3.15	2019	12	0	0	0	0	0
KPC	3.15	2020	1	0	0	0	0	0
KPC	3.15	2020	2	0	0	0	0	0
KPC	3.15	2020	3	0	0	0	0	0
KPC	3.15	2020	4	0	0	0	0	0
KPC	3.15	2020	5	0	0	0	0	0
KPC	3.15	2020	6	0	0	0	0	0
KPC	3.15	2020	7	0	0	0	0	0
KPC	3.15	2020	8	0	0	0	0	0
KPC	3.15	2020	9	0	0	0	0	0
KPC	3.15	2020	10	0	0	0	0	0
KPC	3.15	2020	11	0	0	0	0	0
KPC	3.15	2020	12	0	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or1	or2	or3	or4	or5
KPC	3.15	2021	1	0	0	0	0	0
KPC	3.15	2021	2	0	0	0	0	0
KPC	3.15	2021	3	0	0	0	0	0
KPC	3.15	2021	4	0	0	0	0	0
KPC	3.15	2021	5	0	0	0	0	0
KPC	3.15	2021	6	0	0	0	0	0
KPC	3.15	2021	7	0	0	0	0	0
KPC	3.15	2021	8	0	0	0	0	0
KPC	3.15	2021	9	0	0	0	0	0
KPC	3.15	2021	10	0	0	0	0	0
KPC	3.15	2021	11	0	0	0	0	0
KPC	3.15	2021	12	0	0	0	0	0
KPC	3.15	2022	1	0	0	0	0	0
KPC	3.15	2022	2	0	0	0	0	0
KPC	3.15	2022	3	0	0	0	0	0
KPC	3.15	2022	4	0	0	0	0	0
KPC	3.15	2022	5	0	0	0	0	0
KPC	3.15	2022	6	0	0	0	0	0
KPC	3.15	2022	7	0	0	0	0	0
KPC	3.15	2022	8	0	0	0	0	0
KPC	3.15	2022	9	0	0	0	0	0
KPC	3.15	2022	10	0	0	0	0	0
KPC	3.15	2022	11	0	0	0	0	0
KPC	3.15	2022	12	0	0	0	0	0
KPC	4	2009	1	0	0	0	0	0
KPC	4	2009	2	0	0	0	0	0
KPC	4	2009	3	0	0	0	0	0
KPC	4	2009	4	0	0	0	0	0
KPC	4	2009	5	0	0	0	0	0
KPC	4	2009	6	0	0	0	0	0
KPC	4	2009	7	0	0	0	0	0
KPC	4	2009	8	0	0	0	0	0
KPC	4	2009	9	0	0	0	0	0
KPC	4	2009	10	0	0	0	0	0
KPC	4	2009	11	0	0	0	0	0
KPC	4	2009	12	1	0	0	0	0

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or1	or2	or3	or4	or5
KPC	4	2010	1	1	0	0	0	-1
KPC	4	2010	2	1	0	0	0	1
KPC	4	2010	3	1	0	0	0	0
KPC	4	2010	4	1	0	0	0	0
KPC	4	2010	5	1	0	0	0	0
KPC	4	2010	6	1	0	0	-1	0
KPC	4	2010	7	1	0	0	1	0
KPC	4	2010	8	1	0	0	0	0
KPC	4	2010	9	1	1	0	0	0
KPC	4	2010	10	1	1	0	0	0
KPC	4	2010	11	1	1	0	0	0
KPC	4	2010	12	1	1	0	0	0
KPC	4	2011	1	1	1	0	0	0
KPC	4	2011	2	1	1	0	0	0
KPC	4	2011	3	1	1	0	0	0
KPC	4	2011	4	1	1	0	0	0
KPC	4	2011	5	1	1	0	0	0
KPC	4	2011	6	1	1	0	0	0
KPC	4	2011	7	1	1	0	0	0
KPC	4	2011	8	1	1	0	0	0
KPC	4	2011	9	1	1	0	0	0
KPC	4	2011	10	1	1	0	0	0
KPC	4	2011	11	1	1	0	0	0
KPC	4	2011	12	1	1	0	0	0
KPC	4	2012	1	1	1	0	0	0
KPC	4	2012	2	1	1	0	0	0
KPC	4	2012	3	1	1	0	0	0
KPC	4	2012	4	1	1	0	0	0
KPC	4	2012	5	1	1	0	0	0
KPC	4	2012	6	1	1	0	0	0
KPC	4	2012	7	1	1	0	0	0
KPC	4	2012	8	1	1	0	0	0
KPC	4	2012	9	1	1	0	0	0
KPC	4	2012	10	1	1	0	0	0
KPC	4	2012	11	1	1	0	0	0
KPC	4	2012	12	1	1	0	0	0
KPC	4	2012	1	1	1	0	0	0
KPC	4	2012	2	1	1	0	0	0
KPC	4	2012	3	1	1	0	0	0
KPC	4	2012	4	1	1	0	0	0
KPC	4	2012	5	1	1	0	0	0
KPC	4	2012	6	1	1	0	0	0
KPC	4	2012	7	1	1	0	0	0
KPC	4	2012	8	1	1	0	0	0
KPC	4	2012	9	1	1	0	0	0
KPC	4	2012	10	1	1	0	0	0
KPC	4	2012	11	1	1	0	0	0
KPC	4	2012	12	1	1	0	0	0
KPC	4	2012	1	1	1	0	0	0
KPC	4	2012	2	1	1	0	0	0
KPC	4	2012	3	1	1	0	0	0
KPC	4	2012	4	1	1	0	0	0
KPC	4	2012	5	1	1	0	0	0
KPC	4	2012	6	1	1	0	0	0
KPC	4	2012	7	1	1	0	0	0
KPC	4	2012	8	1	1	0	0	0
KPC	4	2012	9	1	1	0	0	0
KPC	4	2012	10	1	1	0	0	0
KPC	4	2012	11	1	1	0	0	0
KPC	4	2012	12	1	1	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or1	or2	or3	or4	or5
KPC	4	2013	1	1	1	1	0	0
KPC	4	2013	2	1	1	1	0	0
KPC	4	2013	3	1	1	1	0	0
KPC	4	2013	4	1	1	1	0	0
KPC	4	2013	5	1	1	1	0	0
KPC	4	2013	6	1	1	1	0	0
KPC	4	2013	7	1	1	1	0	0
KPC	4	2013	8	1	1	1	0	0
KPC	4	2013	9	1	1	1	0	0
KPC	4	2013	10	1	1	1	0	0
KPC	4	2013	11	1	1	1	0	0
KPC	4	2013	12	1	1	1	0	0
KPC	4	2014	1	1	1	1	0	0
KPC	4	2014	2	1	1	1	0	0
KPC	4	2014	3	1	1	1	0	0
KPC	4	2014	4	1	1	1	0	0
KPC	4	2014	5	1	1	1	0	0
KPC	4	2014	6	1	1	1	0	0
KPC	4	2014	7	1	1	1	0	0
KPC	4	2014	8	1	1	1	0	0
KPC	4	2014	9	1	1	1	0	0
KPC	4	2014	10	1	1	1	0	0
KPC	4	2014	11	1	1	1	0	0
KPC	4	2014	12	1	1	1	0	0
KPC	4	2015	1	1	1	1	0	0
KPC	4	2015	2	1	1	1	0	0
KPC	4	2015	3	1	1	1	0	0
KPC	4	2015	4	1	1	1	0	0
KPC	4	2015	5	1	1	1	0	0
KPC	4	2015	6	1	1	1	0	0
KPC	4	2015	7	1	1	1	0	0
KPC	4	2015	8	1	1	1	0	0
KPC	4	2015	9	1	1	1	0	0
KPC	4	2015	10	1	1	1	0	0
KPC	4	2015	11	1	1	1	0	0
KPC	4	2015	12	1	1	1	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or1	or2	or3	or4	or5
KPC	4	2016	1	1	1	1	0	0
KPC	4	2016	2	1	1	1	0	0
KPC	4	2016	3	1	1	1	0	0
KPC	4	2016	4	1	1	1	0	0
KPC	4	2016	5	1	1	1	0	0
KPC	4	2016	6	1	1	1	0	0
KPC	4	2016	7	1	1	1	0	0
KPC	4	2016	8	1	1	1	0	0
KPC	4	2016	9	1	1	1	0	0
KPC	4	2016	10	1	1	1	0	0
KPC	4	2016	11	1	1	1	0	0
KPC	4	2016	12	1	1	1	0	0
KPC	4	2017	1	1	1	1	0	0
KPC	4	2017	2	1	1	1	0	0
KPC	4	2017	3	1	1	1	0	0
KPC	4	2017	4	1	1	1	0	0
KPC	4	2017	5	1	1	1	0	0
KPC	4	2017	6	1	1	1	0	0
KPC	4	2017	7	1	1	1	0	0
KPC	4	2017	8	1	1	1	0	0
KPC	4	2017	9	1	1	1	0	0
KPC	4	2017	10	1	1	1	0	0
KPC	4	2017	11	1	1	1	0	0
KPC	4	2017	12	1	1	1	0	0
KPC	4	2018	1	1	1	1	0	0
KPC	4	2018	2	1	1	1	0	0
KPC	4	2018	3	1	1	1	0	0
KPC	4	2018	4	1	1	1	0	0
KPC	4	2018	5	1	1	1	0	0
KPC	4	2018	6	1	1	1	0	0
KPC	4	2018	7	1	1	1	0	0
KPC	4	2018	8	1	1	1	0	0
KPC	4	2018	9	1	1	1	0	0
KPC	4	2018	10	1	1	1	0	0
KPC	4	2018	11	1	1	1	0	0
KPC	4	2018	12	1	1	1	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or1	or2	or3	or4	or5
KPC	4	2019	1	1	1	1	0	0
KPC	4	2019	2	1	1	1	0	0
KPC	4	2019	3	1	1	1	0	0
KPC	4	2019	4	1	1	1	0	0
KPC	4	2019	5	1	1	1	0	0
KPC	4	2019	6	1	1	1	0	0
KPC	4	2019	7	1	1	1	0	0
KPC	4	2019	8	1	1	1	0	0
KPC	4	2019	9	1	1	1	0	0
KPC	4	2019	10	1	1	1	0	0
KPC	4	2019	11	1	1	1	0	0
KPC	4	2019	12	1	1	1	0	0
KPC	4	2020	1	1	1	1	0	0
KPC	4	2020	2	1	1	1	0	0
KPC	4	2020	3	1	1	1	0	0
KPC	4	2020	4	1	1	1	0	0
KPC	4	2020	5	1	1	1	0	0
KPC	4	2020	6	1	1	1	0	0
KPC	4	2020	7	1	1	1	0	0
KPC	4	2020	8	1	1	1	0	0
KPC	4	2020	9	1	1	1	0	0
KPC	4	2020	10	1	1	1	0	0
KPC	4	2020	11	1	1	1	0	0
KPC	4	2020	12	1	1	1	0	0
KPC	4	2021	1	1	1	1	0	0
KPC	4	2021	2	1	1	1	0	0
KPC	4	2021	3	1	1	1	0	0
KPC	4	2021	4	1	1	1	0	0
KPC	4	2021	5	1	1	1	0	0
KPC	4	2021	6	1	1	1	0	0
KPC	4	2021	7	1	1	1	0	0
KPC	4	2021	8	1	1	1	0	0
KPC	4	2021	9	1	1	1	0	0
KPC	4	2021	10	1	1	1	0	0
KPC	4	2021	11	1	1	1	0	0
KPC	4	2021	12	1	1	1	0	0

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or1	or2	or3	or4	or5
KPC	4	2022	1	1	1	1	0	0
KPC	4	2022	2	1	1	1	0	0
KPC	4	2022	3	1	1	1	0	0
KPC	4	2022	4	1	1	1	0	0
KPC	4	2022	5	1	1	1	0	0
KPC	4	2022	6	1	1	1	0	0
KPC	4	2022	7	1	1	1	0	0
KPC	4	2022	8	1	1	1	0	0
KPC	4	2022	9	1	1	1	0	0
KPC	4	2022	10	1	1	1	0	0
KPC	4	2022	11	1	1	1	0	0
KPC	4	2022	12	1	1	1	0	0

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 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or6	or8	or9	or10
KPC	1	2009	1	0	0	0	0
KPC	1	2009	2	0	0	0	0
KPC	1	2009	3	0	0	0	0
KPC	1	2009	4	0	0	0	0
KPC	1	2009	5	0	0	0	0
KPC	1	2009	6	0	0	0	0
KPC	1	2009	7	0	0	0	0
KPC	1	2009	8	0	0	0	0
KPC	1	2009	9	0	0	0	0
KPC	1	2009	10	0	0	0	0
KPC	1	2009	11	0	0	0	0
KPC	1	2009	12	0	0	0	0
KPC	1	2010	1	0	0	0	0
KPC	1	2010	2	0	0	0	0
KPC	1	2010	3	0	0	0	0
KPC	1	2010	4	0	0	0	0
KPC	1	2010	5	0	0	0	0
KPC	1	2010	6	0	0	0	0
KPC	1	2010	7	0	0	0	0
KPC	1	2010	8	0	0	0	0
KPC	1	2010	9	0	0	0	0
KPC	1	2010	10	0	0	0	0
KPC	1	2010	11	0	0	0	0
KPC	1	2010	12	0	0	0	0
KPC	1	2011	1	0	0	0	0
KPC	1	2011	2	0	0	0	0
KPC	1	2011	3	0	0	0	0
KPC	1	2011	4	0	0	0	0
KPC	1	2011	5	0	0	0	0
KPC	1	2011	6	0	0	0	0
KPC	1	2011	7	0	0	0	0
KPC	1	2011	8	0	0	0	0
KPC	1	2011	9	0	0	0	0
KPC	1	2011	10	0	0	0	0
KPC	1	2011	11	0	0	0	0
KPC	1	2011	12	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or6	or8	or9	or10
KPC	1	2012	1	0	0	0	0
KPC	1	2012	2	0	0	0	0
KPC	1	2012	3	0	0	0	0
KPC	1	2012	4	0	0	0	0
KPC	1	2012	5	0	0	0	0
KPC	1	2012	6	0	0	0	0
KPC	1	2012	7	0	0	0	0
KPC	1	2012	8	0	0	0	0
KPC	1	2012	9	0	0	0	0
KPC	1	2012	10	0	0	0	0
KPC	1	2012	11	0	0	0	0
KPC	1	2012	12	0	0	0	0
KPC	1	2013	1	0	0	0	0
KPC	1	2013	2	0	0	0	0
KPC	1	2013	3	0	0	0	0
KPC	1	2013	4	0	0	0	0
KPC	1	2013	5	0	0	0	0
KPC	1	2013	6	0	0	0	0
KPC	1	2013	7	0	0	0	0
KPC	1	2013	8	0	0	0	0
KPC	1	2013	9	0	0	0	0
KPC	1	2013	10	0	0	0	0
KPC	1	2013	11	0	0	0	0
KPC	1	2013	12	0	0	0	0
KPC	1	2014	1	0	0	0	0
KPC	1	2014	2	0	0	0	0
KPC	1	2014	3	0	0	0	0
KPC	1	2014	4	0	0	0	0
KPC	1	2014	5	0	0	0	0
KPC	1	2014	6	0	0	0	0
KPC	1	2014	7	0	0	0	0
KPC	1	2014	8	0	0	0	0
KPC	1	2014	9	0	0	0	0
KPC	1	2014	10	0	0	0	0
KPC	1	2014	11	0	0	0	0
KPC	1	2014	12	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or6	or8	or9	or10
KPC	1	2015	1	0	0	0	0
KPC	1	2015	2	0	0	0	0
KPC	1	2015	3	0	0	0	0
KPC	1	2015	4	0	0	0	0
KPC	1	2015	5	0	0	0	0
KPC	1	2015	6	0	0	0	0
KPC	1	2015	7	0	0	0	0
KPC	1	2015	8	0	0	0	0
KPC	1	2015	9	0	0	0	0
KPC	1	2015	10	0	0	0	0
KPC	1	2015	11	0	0	0	0
KPC	1	2015	12	0	0	0	0
KPC	1	2016	1	0	0	0	0
KPC	1	2016	2	0	0	0	0
KPC	1	2016	3	0	0	0	0
KPC	1	2016	4	0	0	0	0
KPC	1	2016	5	0	0	0	0
KPC	1	2016	6	0	0	0	0
KPC	1	2016	7	0	0	0	0
KPC	1	2016	8	0	0	0	0
KPC	1	2016	9	0	0	0	0
KPC	1	2016	10	0	0	0	0
KPC	1	2016	11	0	0	0	0
KPC	1	2016	12	0	0	0	0
KPC	1	2017	1	0	0	0	0
KPC	1	2017	2	0	0	0	0
KPC	1	2017	3	0	0	0	0
KPC	1	2017	4	0	0	0	0
KPC	1	2017	5	0	0	0	0
KPC	1	2017	6	0	0	0	0
KPC	1	2017	7	0	0	0	0
KPC	1	2017	8	0	0	0	0
KPC	1	2017	9	0	0	0	0
KPC	1	2017	10	0	0	0	0
KPC	1	2017	11	0	0	0	0
KPC	1	2017	12	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or6	or8	or9	or10
KPC	1	2018	1	0	0	0	0
KPC	1	2018	2	0	0	0	0
KPC	1	2018	3	0	0	0	0
KPC	1	2018	4	0	0	0	0
KPC	1	2018	5	0	0	0	0
KPC	1	2018	6	0	0	0	0
KPC	1	2018	7	0	0	0	0
KPC	1	2018	8	0	0	0	0
KPC	1	2018	9	0	0	0	0
KPC	1	2018	10	0	0	0	0
KPC	1	2018	11	0	0	0	0
KPC	1	2018	12	0	0	0	0
KPC	1	2019	1	0	0	0	0
KPC	1	2019	2	0	0	0	0
KPC	1	2019	3	0	0	0	0
KPC	1	2019	4	0	0	0	0
KPC	1	2019	5	0	0	0	0
KPC	1	2019	6	0	0	0	0
KPC	1	2019	7	0	0	0	0
KPC	1	2019	8	0	0	0	0
KPC	1	2019	9	0	0	0	0
KPC	1	2019	10	0	0	0	0
KPC	1	2019	11	0	0	0	0
KPC	1	2019	12	0	0	0	0
KPC	1	2020	1	0	0	0	0
KPC	1	2020	2	0	0	0	0
KPC	1	2020	3	0	0	0	0
KPC	1	2020	4	0	0	0	0
KPC	1	2020	5	0	0	0	0
KPC	1	2020	6	0	0	0	0
KPC	1	2020	7	0	0	0	0
KPC	1	2020	8	0	0	0	0
KPC	1	2020	9	0	0	0	0
KPC	1	2020	10	0	0	0	0
KPC	1	2020	11	0	0	0	0
KPC	1	2020	12	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or6	or8	or9	or10
KPC	1	2021	1	0	0	0	0
KPC	1	2021	2	0	0	0	0
KPC	1	2021	3	0	0	0	0
KPC	1	2021	4	0	0	0	0
KPC	1	2021	5	0	0	0	0
KPC	1	2021	6	0	0	0	0
KPC	1	2021	7	0	0	0	0
KPC	1	2021	8	0	0	0	0
KPC	1	2021	9	0	0	0	0
KPC	1	2021	10	0	0	0	0
KPC	1	2021	11	0	0	0	0
KPC	1	2021	12	0	0	0	0
KPC	1	2022	1	0	0	0	0
KPC	1	2022	2	0	0	0	0
KPC	1	2022	3	0	0	0	0
KPC	1	2022	4	0	0	0	0
KPC	1	2022	5	0	0	0	0
KPC	1	2022	6	0	0	0	0
KPC	1	2022	7	0	0	0	0
KPC	1	2022	8	0	0	0	0
KPC	1	2022	9	0	0	0	0
KPC	1	2022	10	0	0	0	0
KPC	1	2022	11	0	0	0	0
KPC	1	2022	12	0	0	0	0
KPC	2	2009	1	0	0	0	0
KPC	2	2009	2	0	0	0	0
KPC	2	2009	3	0	0	0	0
KPC	2	2009	4	0	0	0	0
KPC	2	2009	5	0	0	0	0
KPC	2	2009	6	0	0	0	0
KPC	2	2009	7	0	0	0	0
KPC	2	2009	8	0	0	0	0
KPC	2	2009	9	0	0	0	0
KPC	2	2009	10	0	0	0	0
KPC	2	2009	11	0	0	0	0
KPC	2	2009	12	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or6	or8	or9	or10
KPC	2	2010	1	0	0	0	0
KPC	2	2010	2	0	0	0	0
KPC	2	2010	3	0	0	0	0
KPC	2	2010	4	0	0	0	0
KPC	2	2010	5	0	0	0	0
KPC	2	2010	6	0	0	0	0
KPC	2	2010	7	0	0	0	0
KPC	2	2010	8	0	0	0	0
KPC	2	2010	9	0	0	0	0
KPC	2	2010	10	0	0	0	0
KPC	2	2010	11	0	0	0	0
KPC	2	2010	12	0	0	0	0
KPC	2	2011	1	0	0	0	0
KPC	2	2011	2	0	0	0	0
KPC	2	2011	3	0	0	0	0
KPC	2	2011	4	0	0	0	0
KPC	2	2011	5	0	0	0	0
KPC	2	2011	6	0	0	0	0
KPC	2	2011	7	0	0	0	0
KPC	2	2011	8	0	0	0	0
KPC	2	2011	9	0	0	0	0
KPC	2	2011	10	0	0	0	0
KPC	2	2011	11	0	0	0	0
KPC	2	2011	12	0	0	0	0
KPC	2	2012	1	0	0	0	0
KPC	2	2012	2	0	0	0	0
KPC	2	2012	3	0	0	0	0
KPC	2	2012	4	0	0	0	0
KPC	2	2012	5	0	0	0	0
KPC	2	2012	6	0	0	0	0
KPC	2	2012	7	0	0	0	0
KPC	2	2012	8	0	0	0	0
KPC	2	2012	9	0	0	0	0
KPC	2	2012	10	0	0	0	0
KPC	2	2012	11	0	0	0	0
KPC	2	2012	12	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or6	or8	or9	or10
KPC	2	2013	1	0	0	0	0
KPC	2	2013	2	0	0	0	0
KPC	2	2013	3	0	0	0	0
KPC	2	2013	4	0	0	0	0
KPC	2	2013	5	0	0	0	0
KPC	2	2013	6	0	0	0	0
KPC	2	2013	7	0	0	0	0
KPC	2	2013	8	0	0	0	0
KPC	2	2013	9	0	0	0	0
KPC	2	2013	10	0	0	0	0
KPC	2	2013	11	0	0	0	0
KPC	2	2013	12	0	0	0	0
KPC	2	2014	1	0	0	0	0
KPC	2	2014	2	0	0	0	0
KPC	2	2014	3	0	0	0	0
KPC	2	2014	4	0	0	0	0
KPC	2	2014	5	0	0	0	0
KPC	2	2014	6	0	0	0	0
KPC	2	2014	7	0	0	0	0
KPC	2	2014	8	0	0	0	0
KPC	2	2014	9	0	0	0	0
KPC	2	2014	10	0	0	0	0
KPC	2	2014	11	0	0	0	0
KPC	2	2014	12	0	0	0	0
KPC	2	2015	1	0	0	0	0
KPC	2	2015	2	0	0	0	0
KPC	2	2015	3	0	0	0	0
KPC	2	2015	4	0	0	0	0
KPC	2	2015	5	0	0	0	0
KPC	2	2015	6	0	0	0	0
KPC	2	2015	7	0	0	0	0
KPC	2	2015	8	0	0	0	0
KPC	2	2015	9	0	0	0	0
KPC	2	2015	10	0	0	0	0
KPC	2	2015	11	0	0	0	0
KPC	2	2015	12	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or6	or8	or9	or10
KPC	2	2016	1	0	0	0	0
KPC	2	2016	2	0	0	0	0
KPC	2	2016	3	0	0	0	0
KPC	2	2016	4	0	0	0	0
KPC	2	2016	5	0	0	0	0
KPC	2	2016	6	0	0	0	0
KPC	2	2016	7	0	0	0	0
KPC	2	2016	8	0	0	0	0
KPC	2	2016	9	0	0	0	0
KPC	2	2016	10	0	0	0	0
KPC	2	2016	11	0	0	0	0
KPC	2	2016	12	0	0	0	0
KPC	2	2017	1	0	0	0	0
KPC	2	2017	2	0	0	0	0
KPC	2	2017	3	0	0	0	0
KPC	2	2017	4	0	0	0	0
KPC	2	2017	5	0	0	0	0
KPC	2	2017	6	0	0	0	0
KPC	2	2017	7	0	0	0	0
KPC	2	2017	8	0	0	0	0
KPC	2	2017	9	0	0	0	0
KPC	2	2017	10	0	0	0	0
KPC	2	2017	11	0	0	0	0
KPC	2	2017	12	0	0	0	0
KPC	2	2018	1	0	0	0	0
KPC	2	2018	2	0	0	0	0
KPC	2	2018	3	0	0	0	0
KPC	2	2018	4	0	0	0	0
KPC	2	2018	5	0	0	0	0
KPC	2	2018	6	0	0	0	0
KPC	2	2018	7	0	0	0	0
KPC	2	2018	8	0	0	0	0
KPC	2	2018	9	0	0	0	0
KPC	2	2018	10	0	0	0	0
KPC	2	2018	11	0	0	0	0
KPC	2	2018	12	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or6	or8	or9	or10
KPC	2	2019	1	0	0	0	0
KPC	2	2019	2	0	0	0	0
KPC	2	2019	3	0	0	0	0
KPC	2	2019	4	0	0	0	0
KPC	2	2019	5	0	0	0	0
KPC	2	2019	6	0	0	0	0
KPC	2	2019	7	0	0	0	0
KPC	2	2019	8	0	0	0	0
KPC	2	2019	9	0	0	0	0
KPC	2	2019	10	0	0	0	0
KPC	2	2019	11	0	0	0	0
KPC	2	2019	12	0	0	0	0
KPC	2	2020	1	0	0	0	0
KPC	2	2020	2	0	0	0	0
KPC	2	2020	3	0	0	0	0
KPC	2	2020	4	0	0	0	0
KPC	2	2020	5	0	0	0	0
KPC	2	2020	6	0	0	0	0
KPC	2	2020	7	0	0	0	0
KPC	2	2020	8	0	0	0	0
KPC	2	2020	9	0	0	0	0
KPC	2	2020	10	0	0	0	0
KPC	2	2020	11	0	0	0	0
KPC	2	2020	12	0	0	0	0
KPC	2	2021	1	0	0	0	0
KPC	2	2021	2	0	0	0	0
KPC	2	2021	3	0	0	0	0
KPC	2	2021	4	0	0	0	0
KPC	2	2021	5	0	0	0	0
KPC	2	2021	6	0	0	0	0
KPC	2	2021	7	0	0	0	0
KPC	2	2021	8	0	0	0	0
KPC	2	2021	9	0	0	0	0
KPC	2	2021	10	0	0	0	0
KPC	2	2021	11	0	0	0	0
KPC	2	2021	12	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or6	or8	or9	or10
KPC	2	2022	1	0	0	0	0
KPC	2	2022	2	0	0	0	0
KPC	2	2022	3	0	0	0	0
KPC	2	2022	4	0	0	0	0
KPC	2	2022	5	0	0	0	0
KPC	2	2022	6	0	0	0	0
KPC	2	2022	7	0	0	0	0
KPC	2	2022	8	0	0	0	0
KPC	2	2022	9	0	0	0	0
KPC	2	2022	10	0	0	0	0
KPC	2	2022	11	0	0	0	0
KPC	2	2022	12	0	0	0	0
KPC	3.1	2009	1	0	0	0	0
KPC	3.1	2009	2	0	0	0	0
KPC	3.1	2009	3	0	0	0	0
KPC	3.1	2009	4	0	0	0	0
KPC	3.1	2009	5	0	0	0	0
KPC	3.1	2009	6	0	0	0	0
KPC	3.1	2009	7	0	0	0	0
KPC	3.1	2009	8	0	0	0	0
KPC	3.1	2009	9	0	0	0	0
KPC	3.1	2009	10	0	0	0	0
KPC	3.1	2009	11	0	0	0	0
KPC	3.1	2009	12	0	0	0	0
KPC	3.1	2010	1	0	0	0	0
KPC	3.1	2010	2	0	0	0	0
KPC	3.1	2010	3	0	0	0	0
KPC	3.1	2010	4	0	0	0	0
KPC	3.1	2010	5	0	0	0	0
KPC	3.1	2010	6	0	0	0	0
KPC	3.1	2010	7	0	0	0	0
KPC	3.1	2010	8	0	0	0	0
KPC	3.1	2010	9	0	0	0	0
KPC	3.1	2010	10	0	0	0	0
KPC	3.1	2010	11	0	0	0	0
KPC	3.1	2010	12	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or6	or8	or9	or10
KPC	3.1	2011	1	0	0	0	0
KPC	3.1	2011	2	0	0	0	0
KPC	3.1	2011	3	0	0	0	0
KPC	3.1	2011	4	0	0	0	0
KPC	3.1	2011	5	0	0	0	0
KPC	3.1	2011	6	0	0	0	0
KPC	3.1	2011	7	0	0	0	0
KPC	3.1	2011	8	0	0	0	0
KPC	3.1	2011	9	0	0	0	0
KPC	3.1	2011	10	0	0	0	0
KPC	3.1	2011	11	0	0	0	0
KPC	3.1	2011	12	0	0	0	0
KPC	3.1	2012	1	0	0	0	0
KPC	3.1	2012	2	0	0	0	0
KPC	3.1	2012	3	0	0	0	0
KPC	3.1	2012	4	0	0	0	0
KPC	3.1	2012	5	0	0	0	0
KPC	3.1	2012	6	0	0	0	0
KPC	3.1	2012	7	0	0	0	0
KPC	3.1	2012	8	0	0	0	0
KPC	3.1	2012	9	0	0	0	0
KPC	3.1	2012	10	0	0	0	0
KPC	3.1	2012	11	0	0	0	0
KPC	3.1	2012	12	0	0	0	0
KPC	3.1	2013	1	0	0	0	0
KPC	3.1	2013	2	0	0	0	0
KPC	3.1	2013	3	0	0	0	0
KPC	3.1	2013	4	0	0	0	0
KPC	3.1	2013	5	0	0	0	0
KPC	3.1	2013	6	0	0	0	0
KPC	3.1	2013	7	0	0	0	0
KPC	3.1	2013	8	0	0	0	0
KPC	3.1	2013	9	0	0	0	0
KPC	3.1	2013	10	0	0	0	0
KPC	3.1	2013	11	0	0	0	0
KPC	3.1	2013	12	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or6	or8	or9	or10
KPC	3.1	2014	1	0	0	0	0
KPC	3.1	2014	2	0	0	0	0
KPC	3.1	2014	3	0	0	0	0
KPC	3.1	2014	4	0	0	0	0
KPC	3.1	2014	5	0	0	0	0
KPC	3.1	2014	6	0	0	0	0
KPC	3.1	2014	7	0	0	0	0
KPC	3.1	2014	8	0	0	0	0
KPC	3.1	2014	9	0	0	0	0
KPC	3.1	2014	10	0	0	0	0
KPC	3.1	2014	11	0	0	0	0
KPC	3.1	2014	12	0	0	0	0
KPC	3.1	2015	1	0	0	0	0
KPC	3.1	2015	2	0	0	0	0
KPC	3.1	2015	3	0	0	0	0
KPC	3.1	2015	4	0	0	0	0
KPC	3.1	2015	5	0	0	0	0
KPC	3.1	2015	6	0	0	0	0
KPC	3.1	2015	7	0	0	0	0
KPC	3.1	2015	8	0	0	0	0
KPC	3.1	2015	9	0	0	0	0
KPC	3.1	2015	10	0	0	0	0
KPC	3.1	2015	11	0	0	0	0
KPC	3.1	2015	12	0	0	0	0
KPC	3.1	2016	1	0	0	0	0
KPC	3.1	2016	2	0	0	0	0
KPC	3.1	2016	3	0	0	0	0
KPC	3.1	2016	4	0	0	0	0
KPC	3.1	2016	5	0	0	0	0
KPC	3.1	2016	6	0	0	0	0
KPC	3.1	2016	7	0	0	0	0
KPC	3.1	2016	8	0	0	0	0
KPC	3.1	2016	9	0	0	0	0
KPC	3.1	2016	10	0	0	0	0
KPC	3.1	2016	11	0	0	0	0
KPC	3.1	2016	12	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or6	or8	or9	or10
KPC	3.1	2017	1	0	0	0	0
KPC	3.1	2017	2	0	0	0	0
KPC	3.1	2017	3	0	0	0	0
KPC	3.1	2017	4	0	0	0	0
KPC	3.1	2017	5	0	0	0	0
KPC	3.1	2017	6	0	0	0	0
KPC	3.1	2017	7	0	0	0	0
KPC	3.1	2017	8	0	0	0	0
KPC	3.1	2017	9	0	0	0	0
KPC	3.1	2017	10	0	0	0	0
KPC	3.1	2017	11	0	0	0	0
KPC	3.1	2017	12	0	0	0	0
KPC	3.1	2018	1	0	0	0	0
KPC	3.1	2018	2	0	0	0	0
KPC	3.1	2018	3	0	0	0	0
KPC	3.1	2018	4	0	0	0	0
KPC	3.1	2018	5	0	0	0	0
KPC	3.1	2018	6	0	0	0	0
KPC	3.1	2018	7	0	0	0	0
KPC	3.1	2018	8	0	0	0	0
KPC	3.1	2018	9	0	0	0	0
KPC	3.1	2018	10	0	0	0	0
KPC	3.1	2018	11	0	0	0	0
KPC	3.1	2018	12	0	0	0	0
KPC	3.1	2019	1	0	0	0	0
KPC	3.1	2019	2	0	0	0	0
KPC	3.1	2019	3	0	0	0	0
KPC	3.1	2019	4	0	0	0	0
KPC	3.1	2019	5	0	0	0	0
KPC	3.1	2019	6	0	0	0	0
KPC	3.1	2019	7	0	0	0	0
KPC	3.1	2019	8	0	0	0	0
KPC	3.1	2019	9	0	0	0	0
KPC	3.1	2019	10	0	0	0	0
KPC	3.1	2019	11	0	0	0	0
KPC	3.1	2019	12	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or6	or8	or9	or10
KPC	3.1	2020	1	0	0	0	0
KPC	3.1	2020	2	0	0	0	0
KPC	3.1	2020	3	0	0	0	0
KPC	3.1	2020	4	0	0	0	0
KPC	3.1	2020	5	0	0	0	0
KPC	3.1	2020	6	0	0	0	0
KPC	3.1	2020	7	0	0	0	0
KPC	3.1	2020	8	0	0	0	0
KPC	3.1	2020	9	0	0	0	0
KPC	3.1	2020	10	0	0	0	0
KPC	3.1	2020	11	0	0	0	0
KPC	3.1	2020	12	0	0	0	0
KPC	3.1	2021	1	0	0	0	0
KPC	3.1	2021	2	0	0	0	0
KPC	3.1	2021	3	0	0	0	0
KPC	3.1	2021	4	0	0	0	0
KPC	3.1	2021	5	0	0	0	0
KPC	3.1	2021	6	0	0	0	0
KPC	3.1	2021	7	0	0	0	0
KPC	3.1	2021	8	0	0	0	0
KPC	3.1	2021	9	0	0	0	0
KPC	3.1	2021	10	0	0	0	0
KPC	3.1	2021	11	0	0	0	0
KPC	3.1	2021	12	0	0	0	0
KPC	3.1	2022	1	0	0	0	0
KPC	3.1	2022	2	0	0	0	0
KPC	3.1	2022	3	0	0	0	0
KPC	3.1	2022	4	0	0	0	0
KPC	3.1	2022	5	0	0	0	0
KPC	3.1	2022	6	0	0	0	0
KPC	3.1	2022	7	0	0	0	0
KPC	3.1	2022	8	0	0	0	0
KPC	3.1	2022	9	0	0	0	0
KPC	3.1	2022	10	0	0	0	0
KPC	3.1	2022	11	0	0	0	0
KPC	3.1	2022	12	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or6	or8	or9	or10
KPC	3.15	2009	1	0	0	0	0
KPC	3.15	2009	2	0	0	0	0
KPC	3.15	2009	3	0	0	0	0
KPC	3.15	2009	4	0	0	0	0
KPC	3.15	2009	5	0	0	0	0
KPC	3.15	2009	6	0	0	0	0
KPC	3.15	2009	7	0	0	0	0
KPC	3.15	2009	8	0	0	0	0
KPC	3.15	2009	9	0	0	0	0
KPC	3.15	2009	10	0	0	0	0
KPC	3.15	2009	11	0	0	0	0
KPC	3.15	2009	12	0	0	0	0
KPC	3.15	2010	1	0	0	0	0
KPC	3.15	2010	2	0	0	0	0
KPC	3.15	2010	3	0	0	0	0
KPC	3.15	2010	4	0	0	0	0
KPC	3.15	2010	5	0	0	0	0
KPC	3.15	2010	6	0	0	0	0
KPC	3.15	2010	7	0	0	0	0
KPC	3.15	2010	8	0	0	0	0
KPC	3.15	2010	9	0	0	0	0
KPC	3.15	2010	10	0	0	0	0
KPC	3.15	2010	11	0	0	0	0
KPC	3.15	2010	12	0	0	0	0
KPC	3.15	2011	1	0	0	0	0
KPC	3.15	2011	2	0	0	0	0
KPC	3.15	2011	3	0	0	0	0
KPC	3.15	2011	4	0	0	0	0
KPC	3.15	2011	5	0	0	0	0
KPC	3.15	2011	6	0	0	0	0
KPC	3.15	2011	7	0	0	0	0
KPC	3.15	2011	8	0	0	0	0
KPC	3.15	2011	9	0	0	0	0
KPC	3.15	2011	10	0	0	0	0
KPC	3.15	2011	11	0	0	0	0
KPC	3.15	2011	12	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	orf6	orf8	orf9	orf10
KPC	3.15	2012	1		0	0	0
KPC	3.15	2012	2		0	0	0
KPC	3.15	2012	3		0	0	0
KPC	3.15	2012	4		0	0	0
KPC	3.15	2012	5		0	0	0
KPC	3.15	2012	6		0	0	0
KPC	3.15	2012	7		0	0	0
KPC	3.15	2012	8		0	0	0
KPC	3.15	2012	9		0	0	0
KPC	3.15	2012	10		0	0	0
KPC	3.15	2012	11		0	0	0
KPC	3.15	2012	12		0	0	0
KPC	3.15	2013	1		0	0	0
KPC	3.15	2013	2		0	0	0
KPC	3.15	2013	3		0	0	0
KPC	3.15	2013	4		0	0	0
KPC	3.15	2013	5		0	0	0
KPC	3.15	2013	6		0	0	0
KPC	3.15	2013	7		0	0	0
KPC	3.15	2013	8		0	0	0
KPC	3.15	2013	9		0	0	0
KPC	3.15	2013	10		0	0	0
KPC	3.15	2013	11		0	0	0
KPC	3.15	2013	12		0	0	0
KPC	3.15	2014	1		0	0	0
KPC	3.15	2014	2		0	0	0
KPC	3.15	2014	3		0	0	0
KPC	3.15	2014	4		0	0	0
KPC	3.15	2014	5		0	0	0
KPC	3.15	2014	6		0	0	0
KPC	3.15	2014	7		0	0	0
KPC	3.15	2014	8		0	0	0
KPC	3.15	2014	9		0	0	0
KPC	3.15	2014	10		0	0	0
KPC	3.15	2014	11		0	0	0
KPC	3.15	2014	12		0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or6	or8	or9	or10
KPC	3.15	2015	1	0	0	0	0
KPC	3.15	2015	2	0	0	0	0
KPC	3.15	2015	3	0	0	0	0
KPC	3.15	2015	4	0	0	0	0
KPC	3.15	2015	5	0	0	0	0
KPC	3.15	2015	6	0	0	0	0
KPC	3.15	2015	7	0	0	0	0
KPC	3.15	2015	8	0	0	0	0
KPC	3.15	2015	9	0	0	0	0
KPC	3.15	2015	10	0	0	0	0
KPC	3.15	2015	11	0	0	0	0
KPC	3.15	2015	12	0	0	0	0
KPC	3.15	2016	1	0	0	0	0
KPC	3.15	2016	2	0	0	0	0
KPC	3.15	2016	3	0	0	0	0
KPC	3.15	2016	4	0	0	0	0
KPC	3.15	2016	5	0	0	0	0
KPC	3.15	2016	6	0	0	0	0
KPC	3.15	2016	7	0	0	0	0
KPC	3.15	2016	8	0	0	0	0
KPC	3.15	2016	9	0	0	0	0
KPC	3.15	2016	10	0	0	0	0
KPC	3.15	2016	11	0	0	0	0
KPC	3.15	2016	12	0	0	0	0
KPC	3.15	2017	1	0	0	0	0
KPC	3.15	2017	2	0	0	0	0
KPC	3.15	2017	3	0	0	0	0
KPC	3.15	2017	4	0	0	0	0
KPC	3.15	2017	5	0	0	0	0
KPC	3.15	2017	6	0	0	0	0
KPC	3.15	2017	7	0	0	0	0
KPC	3.15	2017	8	0	0	0	0
KPC	3.15	2017	9	0	0	0	0
KPC	3.15	2017	10	0	0	0	0
KPC	3.15	2017	11	0	0	0	0
KPC	3.15	2017	12	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	orf6	orf8	orf9	orf10
KPC	3.15	2018	1		0	0	0
KPC	3.15	2018	2		0	0	0
KPC	3.15	2018	3		0	0	0
KPC	3.15	2018	4		0	0	0
KPC	3.15	2018	5		0	0	0
KPC	3.15	2018	6		0	0	0
KPC	3.15	2018	7		0	0	0
KPC	3.15	2018	8		0	0	0
KPC	3.15	2018	9		0	0	0
KPC	3.15	2018	10		0	0	0
KPC	3.15	2018	11		0	0	0
KPC	3.15	2018	12		0	0	0
KPC	3.15	2019	1		0	0	0
KPC	3.15	2019	2		0	0	0
KPC	3.15	2019	3		0	0	0
KPC	3.15	2019	4		0	0	0
KPC	3.15	2019	5		0	0	0
KPC	3.15	2019	6		0	0	0
KPC	3.15	2019	7		0	0	0
KPC	3.15	2019	8		0	0	0
KPC	3.15	2019	9		0	0	0
KPC	3.15	2019	10		0	0	0
KPC	3.15	2019	11		0	0	0
KPC	3.15	2019	12		0	0	0
KPC	3.15	2020	1		0	0	0
KPC	3.15	2020	2		0	0	0
KPC	3.15	2020	3		0	0	0
KPC	3.15	2020	4		0	0	0
KPC	3.15	2020	5		0	0	0
KPC	3.15	2020	6		0	0	0
KPC	3.15	2020	7		0	0	0
KPC	3.15	2020	8		0	0	0
KPC	3.15	2020	9		0	0	0
KPC	3.15	2020	10		0	0	0
KPC	3.15	2020	11		0	0	0
KPC	3.15	2020	12		0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or6	or8	or9	or10
KPC	3.15	2021	1	0	0	0	0
KPC	3.15	2021	2	0	0	0	0
KPC	3.15	2021	3	0	0	0	0
KPC	3.15	2021	4	0	0	0	0
KPC	3.15	2021	5	0	0	0	0
KPC	3.15	2021	6	0	0	0	0
KPC	3.15	2021	7	0	0	0	0
KPC	3.15	2021	8	0	0	0	0
KPC	3.15	2021	9	0	0	0	0
KPC	3.15	2021	10	0	0	0	0
KPC	3.15	2021	11	0	0	0	0
KPC	3.15	2021	12	0	0	0	0
KPC	3.15	2022	1	0	0	0	0
KPC	3.15	2022	2	0	0	0	0
KPC	3.15	2022	3	0	0	0	0
KPC	3.15	2022	4	0	0	0	0
KPC	3.15	2022	5	0	0	0	0
KPC	3.15	2022	6	0	0	0	0
KPC	3.15	2022	7	0	0	0	0
KPC	3.15	2022	8	0	0	0	0
KPC	3.15	2022	9	0	0	0	0
KPC	3.15	2022	10	0	0	0	0
KPC	3.15	2022	11	0	0	0	0
KPC	3.15	2022	12	0	0	0	0
KPC	4	2009	1	0	0	0	0
KPC	4	2009	2	0	0	0	0
KPC	4	2009	3	0	0	0	0
KPC	4	2009	4	0	0	0	0
KPC	4	2009	5	0	0	0	0
KPC	4	2009	6	0	0	0	0
KPC	4	2009	7	0	0	0	0
KPC	4	2009	8	0	0	0	0
KPC	4	2009	9	0	0	0	0
KPC	4	2009	10	0	0	0	0
KPC	4	2009	11	0	0	0	0
KPC	4	2009	12	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or6	or8	or9	or10
KPC	4	2010	1	0	0	0	0
KPC	4	2010	2	0	0	0	0
KPC	4	2010	3	0	0	0	0
KPC	4	2010	4	0	0	0	0
KPC	4	2010	5	0	0	0	0
KPC	4	2010	6	0	0	0	0
KPC	4	2010	7	0	0	0	0
KPC	4	2010	8	0	0	0	0
KPC	4	2010	9	0	0	0	0
KPC	4	2010	10	0	0	0	0
KPC	4	2010	11	0	0	0	0
KPC	4	2010	12	0	0	0	0
KPC	4	2011	1	0	0	0	0
KPC	4	2011	2	0	0	0	0
KPC	4	2011	3	0	0	0	0
KPC	4	2011	4	1	0	0	0
KPC	4	2011	5	0	0	0	0
KPC	4	2011	6	0	0	0	0
KPC	4	2011	7	0	0	0	0
KPC	4	2011	8	0	0	0	0
KPC	4	2011	9	0	0	0	0
KPC	4	2011	10	0	0	1	0
KPC	4	2011	11	0	0	-1	0
KPC	4	2011	12	0	0	0	0
KPC	4	2012	1	0	0	0	0
KPC	4	2012	2	0	0	0	0
KPC	4	2012	3	0	0	0	0
KPC	4	2012	4	0	0	0	0
KPC	4	2012	5	0	0	0	0
KPC	4	2012	6	0	0	0	0
KPC	4	2012	7	0	0	0	0
KPC	4	2012	8	0	0	0	0
KPC	4	2012	9	0	0	0	0
KPC	4	2012	10	0	0	0	0
KPC	4	2012	11	0	0	0	0
KPC	4	2012	12	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or6	or8	or9	or10
KPC	4	2013	1	0	0	0	0
KPC	4	2013	2	0	0	0	0
KPC	4	2013	3	0	0	0	0
KPC	4	2013	4	0	0	0	0
KPC	4	2013	5	0	0	0	0
KPC	4	2013	6	0	0	0	0
KPC	4	2013	7	0	0	0	0
KPC	4	2013	8	0	0	0	0
KPC	4	2013	9	0	0	0	0
KPC	4	2013	10	0	0	0	0
KPC	4	2013	11	0	0	0	0
KPC	4	2013	12	0	0	0	0
KPC	4	2014	1	0	0	0	0
KPC	4	2014	2	0	0	0	0
KPC	4	2014	3	0	0	0	0
KPC	4	2014	4	0	0	0	0
KPC	4	2014	5	0	0	0	0
KPC	4	2014	6	0	0	0	0
KPC	4	2014	7	0	0	0	0
KPC	4	2014	8	0	0	0	0
KPC	4	2014	9	0	0	0	0
KPC	4	2014	10	0	0	0	0
KPC	4	2014	11	0	0	0	0
KPC	4	2014	12	0	0	0	0
KPC	4	2015	1	0	0	0	0
KPC	4	2015	2	0	0	0	0
KPC	4	2015	3	0	0	0	0
KPC	4	2015	4	0	0	0	0
KPC	4	2015	5	0	0	0	0
KPC	4	2015	6	0	0	0	1
KPC	4	2015	7	0	0	0	0
KPC	4	2015	8	0	0	0	0
KPC	4	2015	9	0	0	0	0
KPC	4	2015	10	0	0	0	0
KPC	4	2015	11	0	0	0	0
KPC	4	2015	12	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or6	or8	or9	or10
KPC	4	2016	1	0	0	0	0
KPC	4	2016	2	0	0	0	0
KPC	4	2016	3	0	0	0	0
KPC	4	2016	4	0	0	0	0
KPC	4	2016	5	0	0	0	0
KPC	4	2016	6	0	0	0	0
KPC	4	2016	7	0	0	0	0
KPC	4	2016	8	0	0	0	0
KPC	4	2016	9	0	0	0	0
KPC	4	2016	10	0	0	0	0
KPC	4	2016	11	0	0	0	0
KPC	4	2016	12	0	0	0	0
KPC	4	2017	1	0	0	0	0
KPC	4	2017	2	0	0	0	0
KPC	4	2017	3	0	0	0	0
KPC	4	2017	4	0	0	0	0
KPC	4	2017	5	0	0	0	0
KPC	4	2017	6	0	0	0	0
KPC	4	2017	7	0	0	0	0
KPC	4	2017	8	0	0	0	0
KPC	4	2017	9	0	0	0	0
KPC	4	2017	10	0	0	0	0
KPC	4	2017	11	0	0	0	0
KPC	4	2017	12	0	0	0	0
KPC	4	2018	1	0	0	0	0
KPC	4	2018	2	0	0	0	0
KPC	4	2018	3	0	0	0	0
KPC	4	2018	4	0	0	0	0
KPC	4	2018	5	0	0	0	0
KPC	4	2018	6	0	0	0	0
KPC	4	2018	7	0	0	0	0
KPC	4	2018	8	0	0	0	0
KPC	4	2018	9	0	0	0	0
KPC	4	2018	10	0	0	0	0
KPC	4	2018	11	0	0	0	0
KPC	4	2018	12	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or6	or8	or9	or10
KPC	4	2019	1	0	0	0	0
KPC	4	2019	2	0	0	0	0
KPC	4	2019	3	0	0	0	0
KPC	4	2019	4	0	0	0	0
KPC	4	2019	5	0	0	0	0
KPC	4	2019	6	0	0	0	0
KPC	4	2019	7	0	0	0	0
KPC	4	2019	8	0	0	0	0
KPC	4	2019	9	0	0	0	0
KPC	4	2019	10	0	0	0	0
KPC	4	2019	11	0	0	0	0
KPC	4	2019	12	0	0	0	0
KPC	4	2020	1	0	0	0	0
KPC	4	2020	2	0	0	0	0
KPC	4	2020	3	0	0	0	0
KPC	4	2020	4	0	0	0	0
KPC	4	2020	5	0	0	0	0
KPC	4	2020	6	0	0	0	0
KPC	4	2020	7	0	0	0	0
KPC	4	2020	8	0	0	0	0
KPC	4	2020	9	0	0	0	0
KPC	4	2020	10	0	0	0	0
KPC	4	2020	11	0	0	0	0
KPC	4	2020	12	0	0	0	0
KPC	4	2021	1	0	0	0	0
KPC	4	2021	2	0	0	0	0
KPC	4	2021	3	0	0	0	0
KPC	4	2021	4	0	0	0	0
KPC	4	2021	5	0	0	0	0
KPC	4	2021	6	0	0	0	0
KPC	4	2021	7	0	0	0	0
KPC	4	2021	8	0	0	0	0
KPC	4	2021	9	0	0	0	0
KPC	4	2021	10	0	0	0	0
KPC	4	2021	11	0	0	0	0
KPC	4	2021	12	0	0	0	0

Kentucky Power Company
 Retail Energy Models Input Data

JURIS	revcls	YEAR	MONTH	or6	or8	or9	or10
KPC		4	2022	1	0	0	0
KPC		4	2022	2	0	0	0
KPC		4	2022	3	0	0	0
KPC		4	2022	4	0	0	0
KPC		4	2022	5	0	0	0
KPC		4	2022	6	0	0	0
KPC		4	2022	7	0	0	0
KPC		4	2022	8	0	0	0
KPC		4	2022	9	0	0	0
KPC		4	2022	10	0	0	0
KPC		4	2022	11	0	0	0
KPC		4	2022	12	0	0	0

Kentucky Power Company
 Residential

The ARIMA Procedure

Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr > |t|	Lag	Variable	Shift
MU	-19.68731	3.39538	-5.80	<.0001	0	USAGE	0
AR1,1	0.33151	0.09923	3.34	0.0012	1	USAGE	0
AR2,1	0.21868	0.10275	2.13	0.0358	5	USAGE	0
AR3,1	-0.32895	0.10846	-3.03	0.0031	12	USAGE	0
AR4,1	-0.30990	0.10856	-2.85	0.0053	20	USAGE	0
NUM1	1.32715	0.07248	18.31	<.0001	0	BCDD65	0
NUM2	1.74947	0.03463	50.52	<.0001	0	BHDD55	0
NUM3	152.44997	23.37686	6.52	<.0001	0	res1	0
NUM4	103.74230	23.66171	4.38	<.0001	0	res2	0
NUM5	-99.60250	23.75021	-4.19	<.0001	0	res3	0
NUM6	-102.10394	23.39752	-4.36	<.0001	0	res4	0
NUM7	43.09440	5.80663	7.42	<.0001	0	MET_DAYS	0

Constant Estimate	-17.9004
Variance Estimate	936.2832
Std Error Estimate	30.59875
AIC	1066.384
SBC	1098.68
Number of Residuals	109

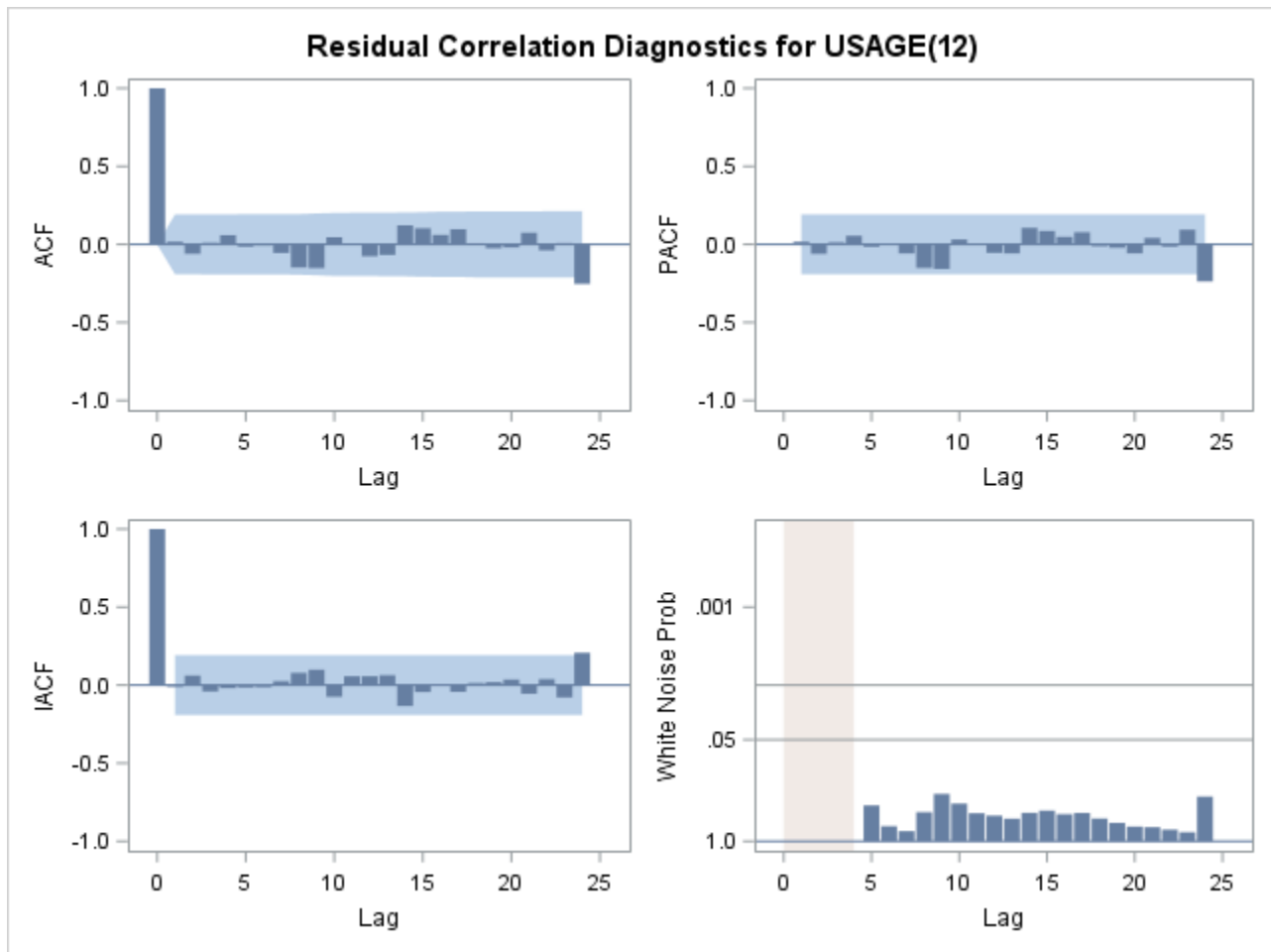
* AIC and SBC do not include log determinant.

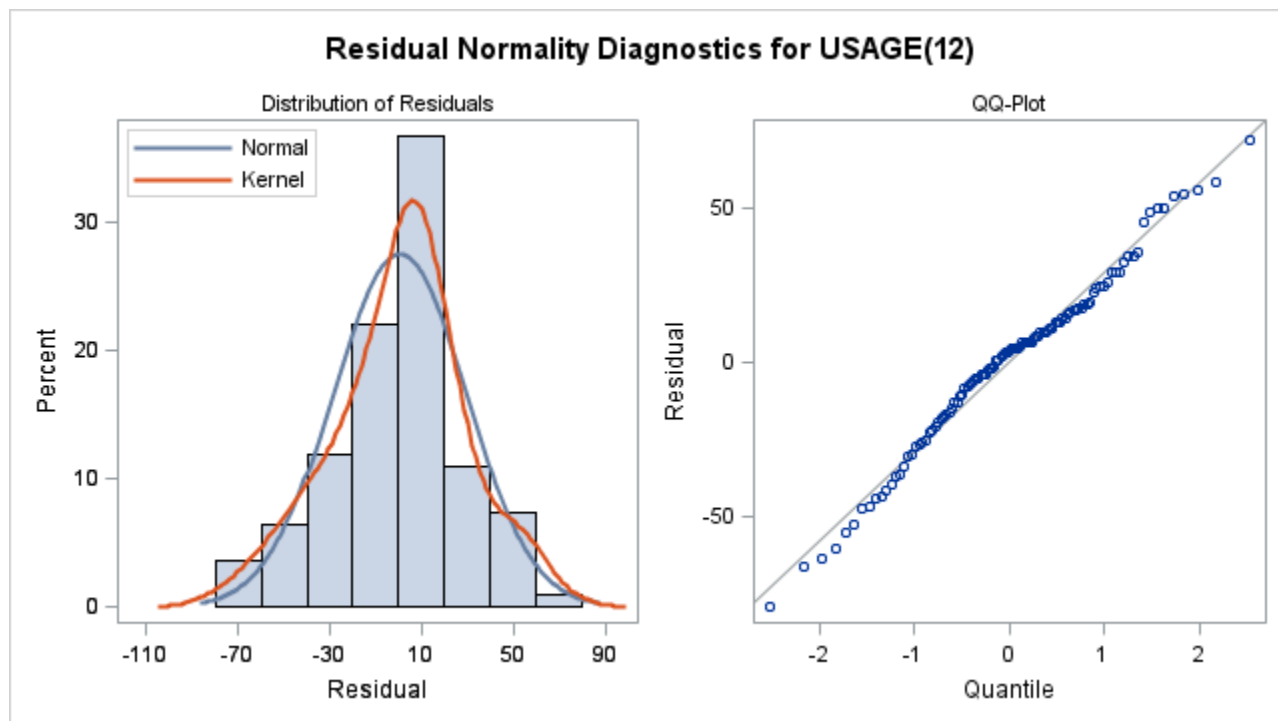
Correlations of Parameter Estimates

Variable Parameter	USA GE MU	USA GE AR1	USA GE AR2	USA GE AR3	USA GE AR4	BCD D65 NUM	BHD D55 NUM	res1 NU M3	res2 NU M4	res3 NU M5	res4 NU M6	MET_D AYS NUM7
		1	1	1	1	1	2					
MET_D AYS	0.029	0.046	0.084	0.194	0.019	-0.087	0.044	-0.108	-0.010	-0.010	0.137	1.000
NUM7								8	4	9		

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations						
6	0.89	2	0.6421	0.017	-0.060	0.011	0.059	-0.015	-0.007	
12	7.69	8	0.4645	-0.055	-0.149	-0.153	0.045	0.006	-0.076	
18	13.20	14	0.5106	-0.068	0.121	0.103	0.061	0.097	0.008	
24	23.49	20	0.2654	-0.025	-0.020	0.074	-0.038	0.009	-0.254	





Model for variable USAGE

Estimated Intercept -19.6873

Period(s) of Differencing 12

Autoregressive Factors

Factor 1: $1 - 0.33151 B^{**}(1)$

Factor 2: $1 - 0.21868 B^{**}(5)$

Factor 3: $1 + 0.32895 B^{**}(12)$

Factor 4: $1 + 0.3099 B^{**}(20)$

Input Number 1

Input Variable BCDD65

Period(s) of Differencing 12

Overall Regression Factor 1.327146

Input Number 2

Input Variable BHDD55

Period(s) of Differencing 12

Input Number 2

Overall Regression Factor 1.749474

Input Number 3

Input Variable res1
Period(s) of Differencing 12
Overall Regression Factor 152.45

Input Number 4

Input Variable res2
Period(s) of Differencing 12
Overall Regression Factor 103.7423

Input Number 5

Input Variable res3
Period(s) of Differencing 12
Overall Regression Factor -99.6025

Input Number 6

Input Variable res4
Period(s) of Differencing 12
Overall Regression Factor -102.104

Input Number 7

Input Variable MET_DAYS
Period(s) of Differencing 12
Overall Regression Factor 43.0944

Outlier Detection Summary

Maximum number searched 3
Number found 3
Significance used 0.05

Outlier Details

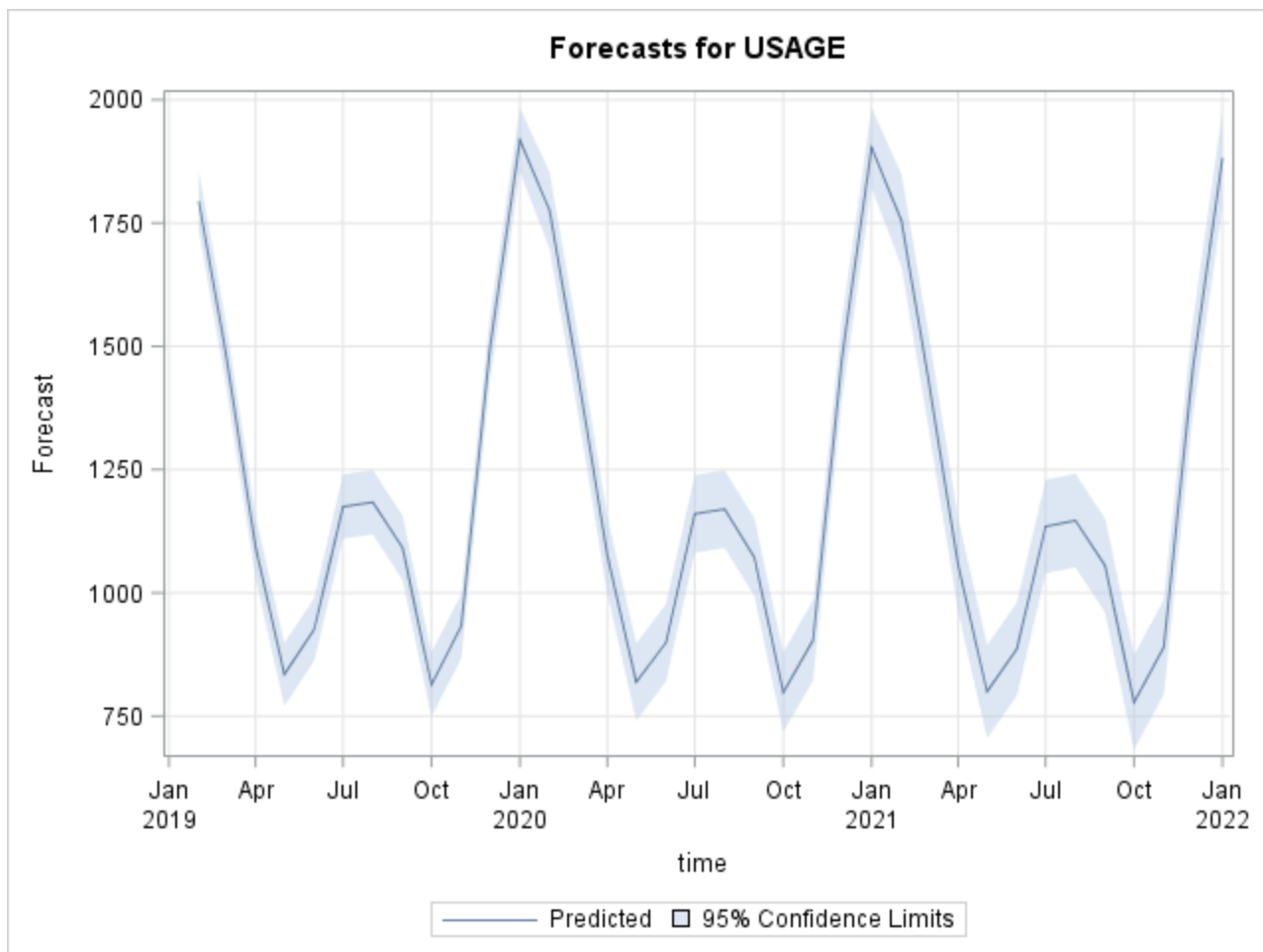
Obs	Time ID	Type	Estimate	Chi-Square	Approx Prob>ChiSq
48	DEC2012	Additive	59.47524	10.68	0.0011
15	MAR2010	Shift	38.13961	11.14	0.0008
25	JAN2011	Additive	49.99058	8.48	0.0036

Forecasts for variable USAGE

Obs	Forecast	Std Error	95% Confidence Limits	
122	1794.2351	30.5987	1734.2626	1854.2075
123	1486.8550	32.2363	1423.6730	1550.0369
124	1092.9537	32.4112	1029.4289	1156.4785
125	834.9114	32.4304	771.3491	898.4738
126	926.0751	32.4325	862.5087	989.6416
127	1174.8903	33.1405	1109.9362	1239.8445
128	1183.7944	33.2174	1118.6895	1248.8992
129	1091.3352	33.2258	1026.2138	1156.4566
130	813.9791	33.2267	748.8559	879.1023
131	932.2670	33.2268	867.1436	997.3904
132	1496.6882	33.2603	1431.4993	1561.8771
133	1918.3173	33.2639	1853.1212	1983.5134
134	1775.0846	39.1772	1698.2987	1851.8705
135	1448.2035	39.7735	1370.2490	1526.1581
136	1076.4182	39.8384	998.3363	1154.5002
137	819.2029	39.8529	741.0926	897.3132
138	898.8864	39.8545	820.7730	976.9998
139	1160.4494	40.1200	1081.8156	1239.0832
140	1169.9481	40.1491	1091.2573	1248.6389
141	1071.8250	40.1523	993.1279	1150.5220
142	798.7551	41.2028	717.9991	879.5110
143	903.8188	41.3166	822.8398	984.7979

Forecasts for variable USAGE

Obs	Forecast	Std Error	95% Confidence Limits	
144	1472.9238	41.3166	1391.9448	1553.9029
145	1903.0683	41.3166	1822.0892	1984.0474
146	1754.4970	47.7015	1661.0038	1847.9902
147	1432.3790	48.0583	1338.1865	1526.5715
148	1056.4994	48.0973	962.2304	1150.7684
149	799.8080	48.1050	705.5240	894.0920
150	885.9316	48.1058	791.6459	980.2172
151	1134.7728	48.3978	1039.9149	1229.6307
152	1146.6774	48.4155	1051.7847	1241.5700
153	1054.6445	48.4175	959.7480	1149.5410
154	777.9600	48.8093	682.2955	873.6244
155	890.2940	48.8522	794.5455	986.0425
156	1453.6144	48.8543	1357.8617	1549.3672
157	1882.2487	48.8544	1786.4959	1978.0015



Kentucky Power Company
 Commercial

The ARIMA Procedure

Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr > |t|	Lag	Variable	Shift
MU	-56.31640	4.61020	-12.22	<.0001	0	USAGE	0
MA1,1	0.51918	0.11557	4.49	<.0001	24	USAGE	0
AR1,1	0.40760	0.09512	4.29	<.0001	1	USAGE	0
AR2,1	0.26540	0.10684	2.48	0.0147	4	USAGE	0
AR3,1	-0.51135	0.11038	-4.63	<.0001	12	USAGE	0
NUM1	1.95978	0.10792	18.16	<.0001	0	BCDD65	0
NUM2	1.57243	0.05064	31.05	<.0001	0	BHDD55	0
NUM3	136.80831	34.65532	3.95	0.0001	0	com1	0
NUM4	158.82398	34.78276	4.57	<.0001	0	com2	0
NUM5	-122.93763	34.25083	-3.59	0.0005	0	com3	0
NUM6	-77.17844	23.58630	-3.27	0.0015	0	com4	0
NUM7	105.19947	9.64276	10.91	<.0001	0	MET_DAYS	0

Constant Estimate	-37.0397
Variance Estimate	1752.97
Std Error Estimate	41.86849
AIC	1134.743
SBC	1167.04
Number of Residuals	109

*** AIC and SBC do not include log determinant.**

Correlations of Parameter Estimates

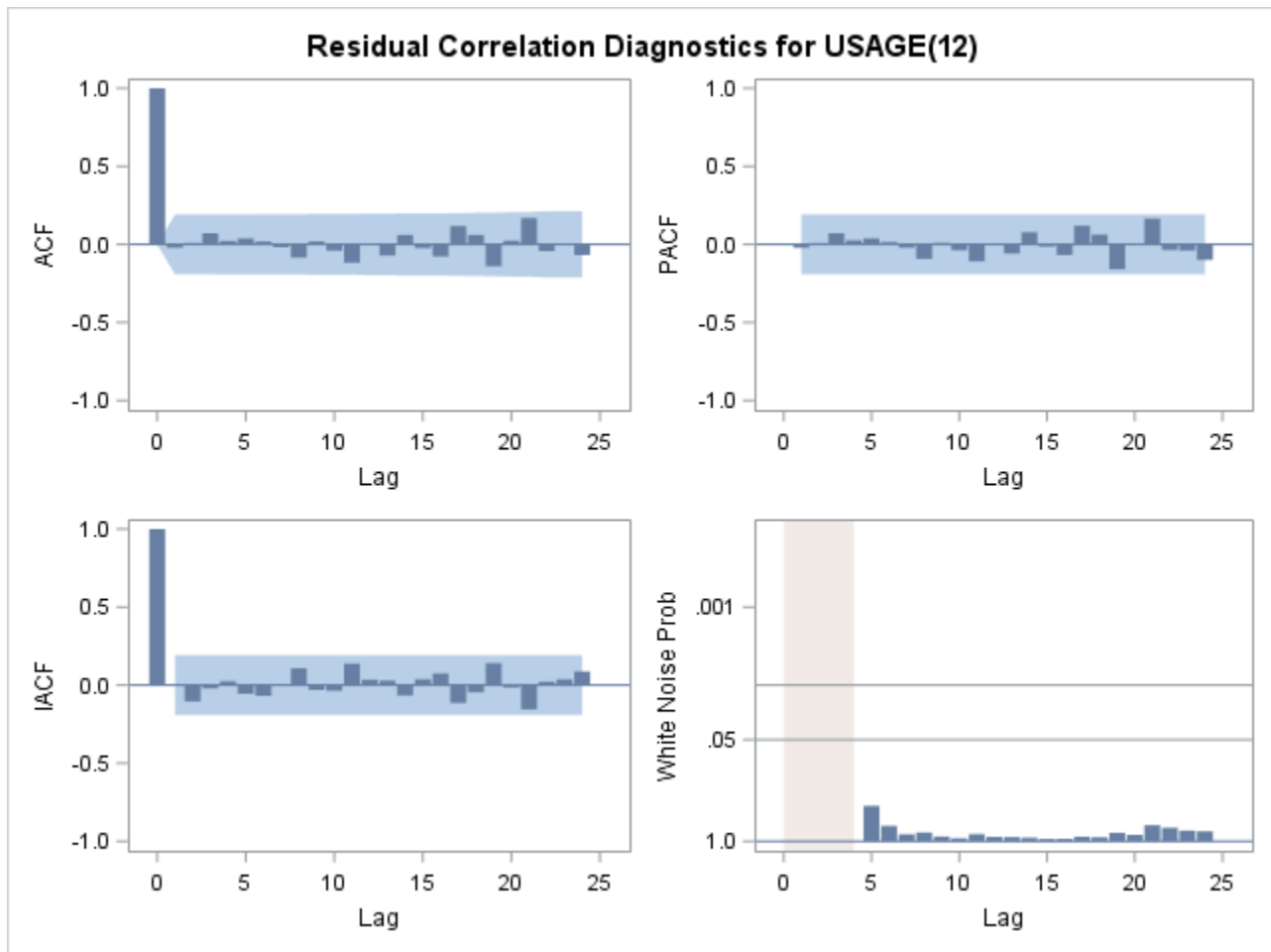
Variable Parameter	USA GE MU	USA GE MA1,1	USA GE AR1,1	USA GE AR2,1	USA GE AR3,1	BCD D65 NUM1	BHD D55 NUM2	com1 NUM3	com2 NUM4	com3 NUM5	com4 NUM6	MET_DAYS NUM7
USAGE MU	1.000	0.108	-0.020	0.102	0.013	-0.164	0.056	0.038	0.080	0.042	-0.558	0.012
USAGE MA1,1	0.108	1.000	0.042	0.006	-0.367	0.006	0.059	0.057	0.002	0.038	0.040	-0.043
USAGE AR1,1	-0.020	0.042	1.000	-0.106	0.091	0.005	0.058	-0.036	-0.009	0.047	0.012	0.022
USAGE AR2,1	0.102	0.006	-0.106	1.000	0.085	-0.139	0.093	0.050	0.035	0.042	-0.200	0.097
USAGE AR3,1	0.013	-0.367	0.091	0.085	1.000	-0.093	-0.047	0.067	-0.150	0.003	-0.142	-0.001
BCDD5 NUM1	-0.164	0.006	0.005	-0.139	-0.093	1.000	-0.029	-0.031	-0.000	0.068	0.117	-0.068
BHDD5 NUM2	0.056	0.057	0.058	0.091	-0.047	-0.029	1.000	0.016	-0.141	-0.014	-0.014	0.074
com1 NUM3	0.038	0.057	-0.036	0.058	0.067	-0.031	0.016	1.000	0.172	0.249	-0.054	0.035
com2 NUM4	0.080	0.002	-0.009	0.035	-0.150	0.004	-0.141	0.172	1.000	0.029	-0.137	0.105
com3 NUM5	0.042	0.038	0.047	0.042	0.003	0.068	-0.014	0.249	0.029	1.000	-0.079	0.119
com4 NUM6	-0.558	0.040	0.012	-0.200	-0.142	0.117	-0.029	-0.054	-0.137	-0.079	1.000	0.014

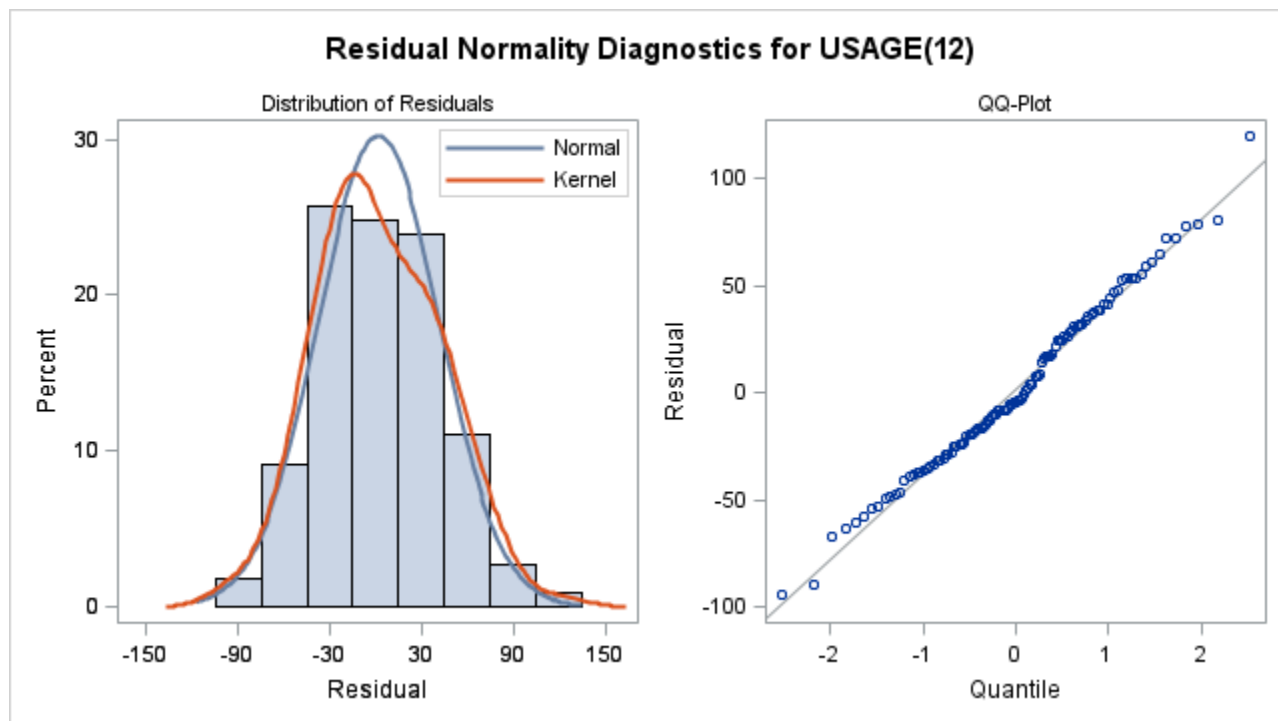
Correlations of Parameter Estimates

Variable Parameter	USA GE MU	USA GE MA1	USA GE AR1	USA GE AR2	USA GE AR3	BCD D65 NUM	BHD D55 NUM	com 1 NU M3	com 2 NU M4	com 3 NU M5	com 4 NU M6	MET_D AYS NUM7
MET_D AYS	0.012	-0.043	0.022	0.097	-0.000	-0.068	0.074	0.035	0.105	0.119	0.014	1.000
NUM7		0.033										

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations
6	0.96	2	0.6190	-0.020 0.012 0.073 0.024 0.039 0.019
12	3.74	8	0.8797	-0.017 -0.084 0.019 -0.039 -0.116 -0.002
18	7.96	14	0.8911	-0.071 0.061 -0.024 -0.077 0.117 0.060
24	15.52	20	0.7460	-0.140 0.024 0.169 -0.043 -0.003 -0.069





Model for variable USAGE

Estimated Intercept -56.3164

Period(s) of Differencing 12

Autoregressive Factors

Factor 1: 1 - 0.4076 B**(1)

Factor 2: 1 - 0.2654 B**(4)

Factor 3: 1 + 0.51135 B**(12)

Moving Average Factors

Factor 1: 1 - 0.51918 B**(24)

Input Number 1

Input Variable BCDD65

Period(s) of Differencing 12

Overall Regression Factor 1.959782

Input Number 2

Input Variable	BHDD55
Period(s) of Differencing	12
Overall Regression Factor	1.572432

Input Number 3

Input Variable	com1
Period(s) of Differencing	12
Overall Regression Factor	136.8083

Input Number 4

Input Variable	com2
Period(s) of Differencing	12
Overall Regression Factor	158.824

Input Number 5

Input Variable	com3
Period(s) of Differencing	12
Overall Regression Factor	-122.938

Input Number 6

Input Variable	com4
Period(s) of Differencing	12
Overall Regression Factor	-77.1784

Input Number 7

Input Variable	MET_DAYS
Period(s) of Differencing	12
Overall Regression Factor	105.1995

Outlier Detection Summary

Maximum number searched	3
Number found	3

Outlier Detection Summary

Significance used 0.05

Outlier Details

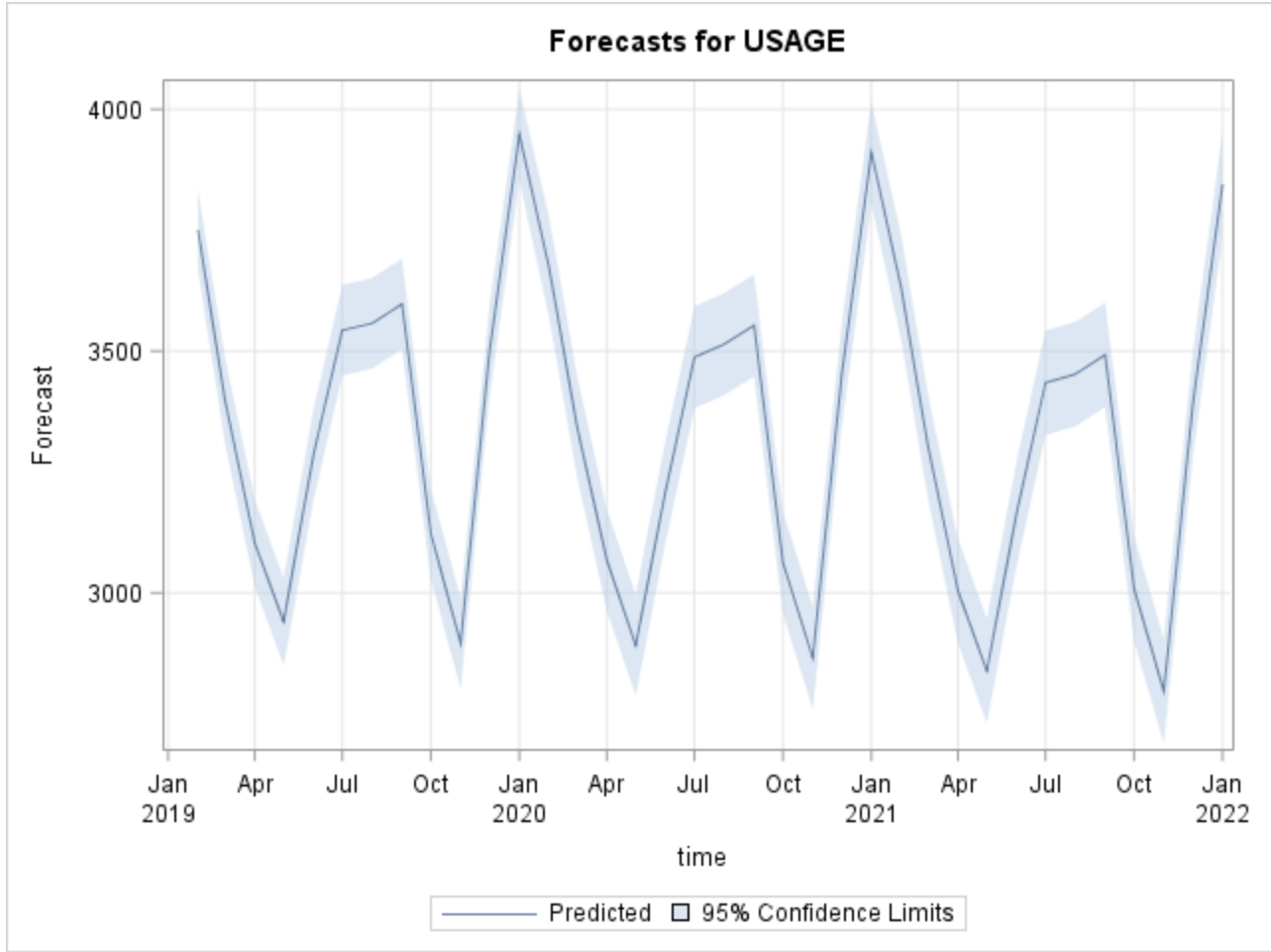
Obs	Time ID	Type	Estimate	Chi-Square	Approx Prob>ChiSq
87	MAR2016	Additive	75.42443	5.10	0.0239
119	NOV2018	Additive	-86.26624	5.42	0.0199
14	FEB2010	Additive	-67.60172	4.39	0.0361

Forecasts for variable USAGE

Obs	Forecast	Std Error	95% Confidence Limits	
122	3750.8918	41.8685	3668.8311	3832.9525
123	3399.0028	45.2128	3310.3872	3487.6184
124	3103.0673	45.7448	3013.4091	3192.7254
125	2940.6581	45.8326	2850.8279	3030.4883
126	3286.2607	47.4459	3193.2684	3379.2530
127	3543.0798	47.7087	3449.5725	3636.5870
128	3557.3620	47.7522	3463.7695	3650.9546
129	3597.3864	47.7594	3503.7797	3690.9931
130	3123.1921	47.8724	3029.3639	3217.0203
131	2895.3974	47.8912	2801.5324	2989.2623
132	3497.5645	47.8943	3403.6934	3591.4356
133	3947.9394	47.8948	3854.0673	4041.8115
134	3672.4688	52.4308	3569.7063	3775.2313
135	3343.8949	53.1469	3239.7288	3448.0610
136	3068.3042	53.2650	2963.9068	3172.7016
137	2891.9128	53.2846	2787.4770	2996.3486
138	3210.4825	53.6471	3105.3361	3315.6289
139	3487.0931	53.7071	3381.8291	3592.3570
140	3514.5712	53.7171	3409.2877	3619.8547
141	3553.0532	53.7187	3447.7665	3658.3400

Forecasts for variable USAGE

Obs	Forecast	Std Error	95% Confidence Limits	
142	3062.7509	53.7446	2957.4134	3168.0884
143	2865.4910	53.7489	2760.1450	2970.8369
144	3447.6120	53.7496	3342.2646	3552.9593
145	3910.5423	53.7497	3805.1947	4015.8899
146	3630.7862	54.6928	3523.5904	3737.9821
147	3301.3352	54.8479	3193.8354	3408.8351
148	3004.3264	54.8736	2896.7761	3111.8767
149	2838.8228	54.8779	2731.2641	2946.3814
150	3165.2200	54.9571	3057.5060	3272.9341
151	3434.5122	54.9703	3326.7724	3542.2520
152	3452.2665	54.9725	3344.5224	3560.0106
153	3492.5078	54.9729	3384.7630	3600.2526
154	3008.8423	54.9785	2901.0863	3116.5982
155	2796.7085	54.9795	2688.9507	2904.4663
156	3388.2887	54.9796	3280.5306	3496.0468
157	3845.0559	54.9797	3737.2977	3952.8140



Kentucky Power Company
 Industrial

The ARIMA Procedure

Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr > |t|	Lag	Variable	Shift
MU	-130519.2	103698.8	-1.26	0.2109	0	KWH	0
AR1,1	-0.44929	0.08400	-5.35	<.0001	1	KWH	0
AR1,2	-0.32409	0.08939	-3.63	0.0004	3	KWH	0
AR2,1	-0.30063	0.10684	-2.81	0.0058	4	KWH	0
NUM1	15110418	2249061.4	6.72	<.0001	0	ind1	0
NUM2	12844556	2414639.1	5.32	<.0001	0	ind2	0
NUM3	11548780	2016162.4	5.73	<.0001	0	ind3	0
NUM4	22965453	1207055.6	19.03	<.0001	0	ind4	0
NUM5	14419158	1288803.2	11.19	<.0001	0	ind5	0
NUM6	38679100	2963579.4	13.05	<.0001	0	ind6	0
NUM7	9119473.8	1304608.8	6.99	<.0001	0	ind7	0
NUM8	7923117.9	1383052.4	5.73	<.0001	0	ind8	0
NUM9	4031989.9	1269230.5	3.18	0.0020	0	ind9	0
NUM10	-311660.7	120865.2	-2.58	0.0113	0	MET_DAYS	0

Constant Estimate	-301042
Variance Estimate	6.701E12
Std Error Estimate	2588687
AIC	3897.658
SBC	3936.683
Number of Residuals	120

* AIC and SBC do not include log determinant.

Correlations of Parameter Estimates

Variable Parameter	KWU	KWH1,1	KWH1,2	KWH2,1	ind1 NUM1	ind2 NUM2	ind3 NUM3	ind4 NUM4	ind5 NUM5	ind6 NUM6	ind7 NUM7	ind8	ind9	MET_DAYS NUM10
KWH MU	1.000	0.003	0.022	0.033	0.003	0.005	-	-	0.002	-	-	0.001	-	0.002
KWH AR1,1	0.003	1.000	-0.245	0.217	-0.035	0.059	-	0.077	-	-	-	0.015	-	0.025
KWH AR1,2	0.022	-0.245	1.000	0.268	0.211	0.128	-	-	0.002	0.098	0.183	-	0.018	0.182
KWH AR2,1	0.033	0.217	0.268	1.000	0.015	0.106	0.025	0.061	-	0.082	-	-	0.047	0.050
ind1 NUM1	0.003	-0.035	0.211	0.015	1.000	0.405	-	0.013	0.084	0.025	0.048	-	0.001	0.048
ind2 NUM2	0.005	0.059	0.128	0.106	0.405	1.000	-	0.011	0.115	0.025	0.016	-	0.001	0.037
ind3 NUM3	0.002	-	-	0.025	-	-	1.000	0.008	0.012	-	-	0.010	0.004	-0.048
ind4 NUM4	0.008	0.077	0.097	0.061	0.013	0.011	0.008	1.000	-	-	-	-	0.003	-0.021
ind5 NUM5	0.002	-	0.002	0.084	0.115	0.012	0.012	-	1.000	0.006	-	0.001	-	0.008
ind6 NUM6	0.002	-	0.009	0.025	0.025	0.025	-	-	0.006	1.000	-	0.001	-	0.735
ind7 NUM7	0.001	-	0.183	0.047	0.016	0.016	-	-	-	-	1.000	-	0.067	-0.029

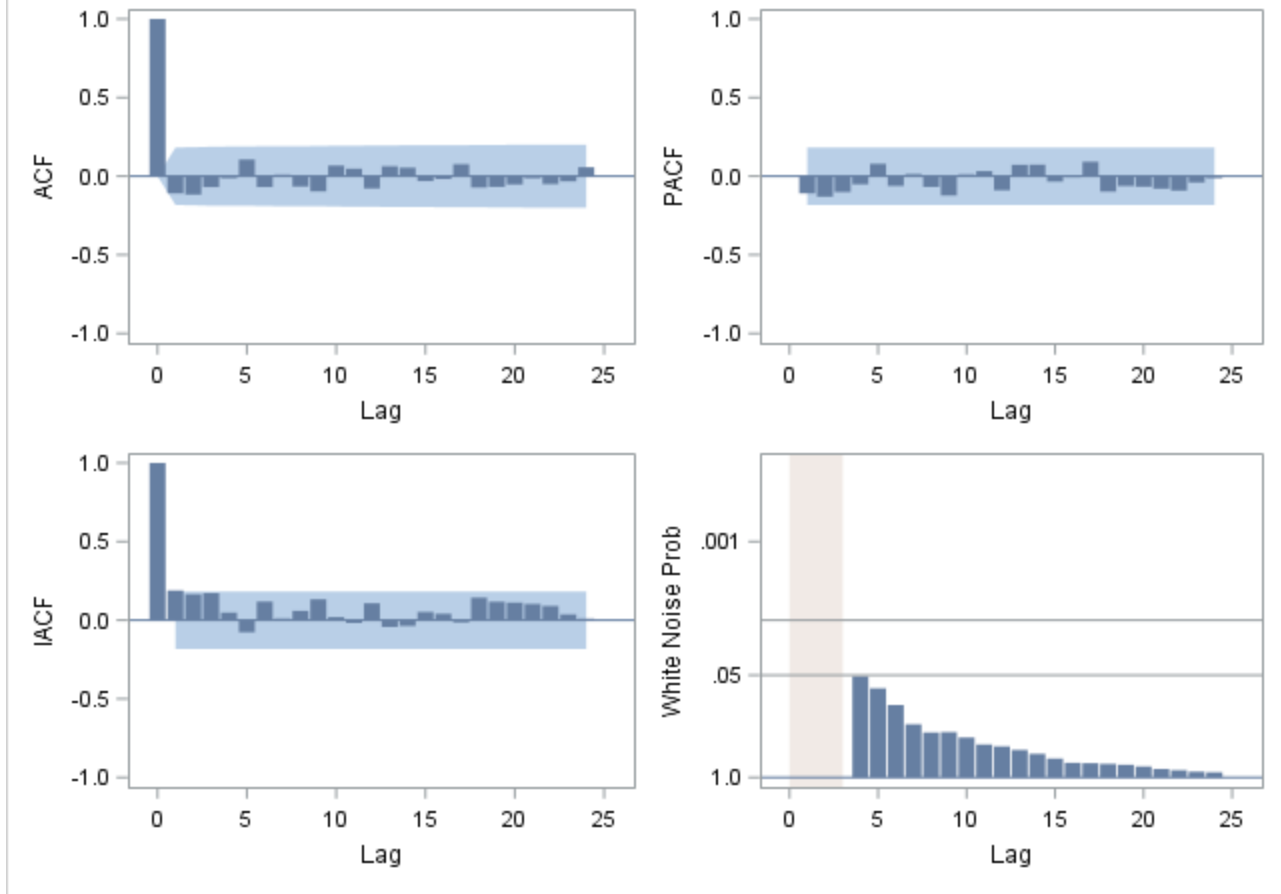
Correlations of Parameter Estimates

Variable Parameter	KW	KW	KW	KW	ind1	ind2	ind3	ind4	ind5	ind6	ind7	ind8	ind9	MET_DAYS
	U	AR 1,1	AR 1,2	AR 2,1	M1	M2	M3	M4	M5	M6	M7	M8	M9	NUM10
ind8	-	-	-	-	-	-	0.01	-	0.00	0.00	-	1.00	-	0.001
NUM8	0.004	0.116	0.058	0.096	0.054	0.391	0	0.007	1	1	0.007	0	0.007	
ind9	0.002	0.025	0.018	0.047	0.001	0.005	0.004	0.003	-	-	0.067	-	1.000	-0.122
NUM9									0.005	0.089	7	0.007	0	
MET_DAYS	0.001	-	0.182	0.050	0.048	0.037	-	-	0.008	0.735	-	0.001	-	1.000
NUM10		0.092					0.008	0.021	8	5	0.029	1	0.122	

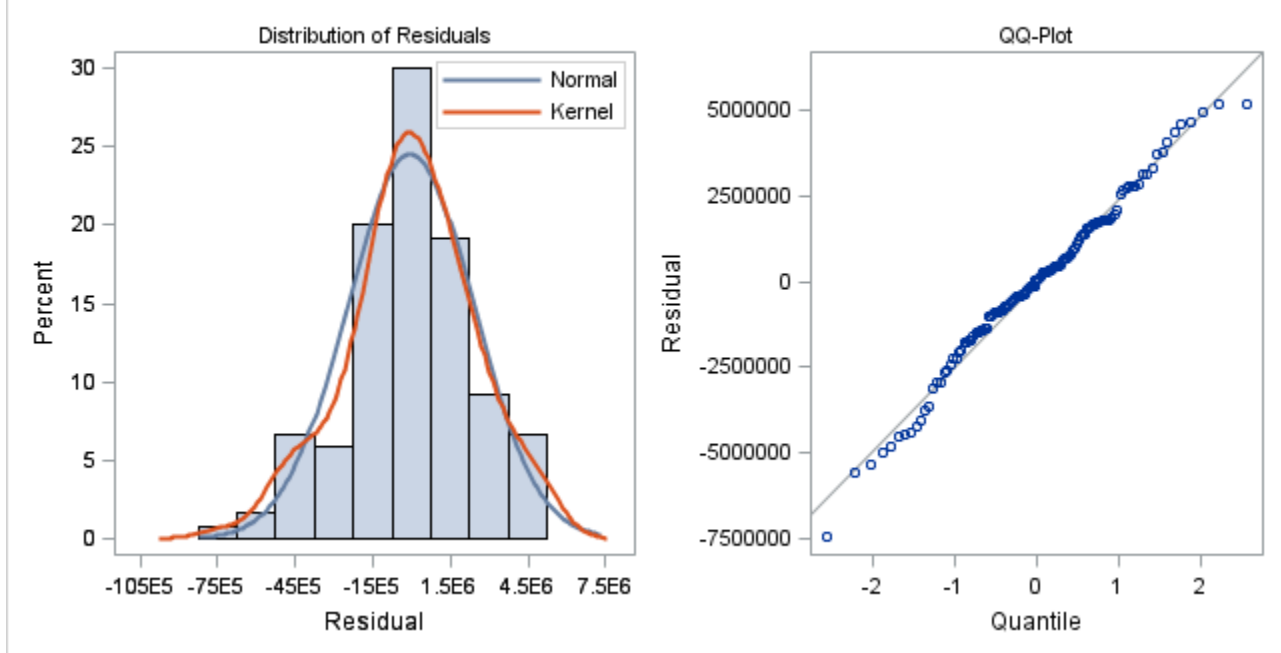
Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations						
6	5.82	3	0.1207	-0.109	-0.117	-0.069	-0.013	0.106	-0.069	
12	9.36	9	0.4050	0.010	-0.066	-0.097	0.067	0.048	-0.078	
18	12.07	15	0.6736	0.063	0.054	-0.031	-0.018	0.077	-0.072	
24	14.19	21	0.8612	-0.068	-0.052	-0.012	-0.050	-0.033	0.057	

Residual Correlation Diagnostics for KWH(1)



Residual Normality Diagnostics for KWH(1)



Model for variable KWH

Estimated Intercept -130519

Period(s) of Differencing 1

Autoregressive Factors

Factor 1: $1 + 0.44929 B^{**}(1) + 0.32409 B^{**}(3)$

Factor 2: $1 + 0.30063 B^{**}(4)$

Input Number 1

Input Variable ind1

Period(s) of Differencing 1

Overall Regression Factor 15110418

Input Number 2

Input Variable ind2

Period(s) of Differencing 1

Overall Regression Factor 12844556

Input Number 3

Input Variable ind3

Period(s) of Differencing 1

Overall Regression Factor 11548780

Input Number 4

Input Variable ind4

Period(s) of Differencing 1

Overall Regression Factor 22965453

Input Number 5

Input Variable ind5

Period(s) of Differencing 1

Overall Regression Factor 14419158

Input Number 6

Input Variable ind6
Period(s) of Differencing 1
Overall Regression Factor 38679100

Input Number 7

Input Variable ind7
Period(s) of Differencing 1
Overall Regression Factor 9119474

Input Number 8

Input Variable ind8
Period(s) of Differencing 1
Overall Regression Factor 7923118

Input Number 9

Input Variable ind9
Period(s) of Differencing 1
Overall Regression Factor 4031990

Input Number 10

Input Variable MET_DAYS
Period(s) of Differencing 1
Overall Regression Factor -311661

Outlier Detection Summary

Maximum number searched 3
Number found 3
Significance used 0.05

Outlier Details

Obs	Time ID	Type	Estimate	Chi-Square	Approx Prob>ChiSq
50	FEB2013	Additive	5254121.1	9.60	0.0019

Outlier Details

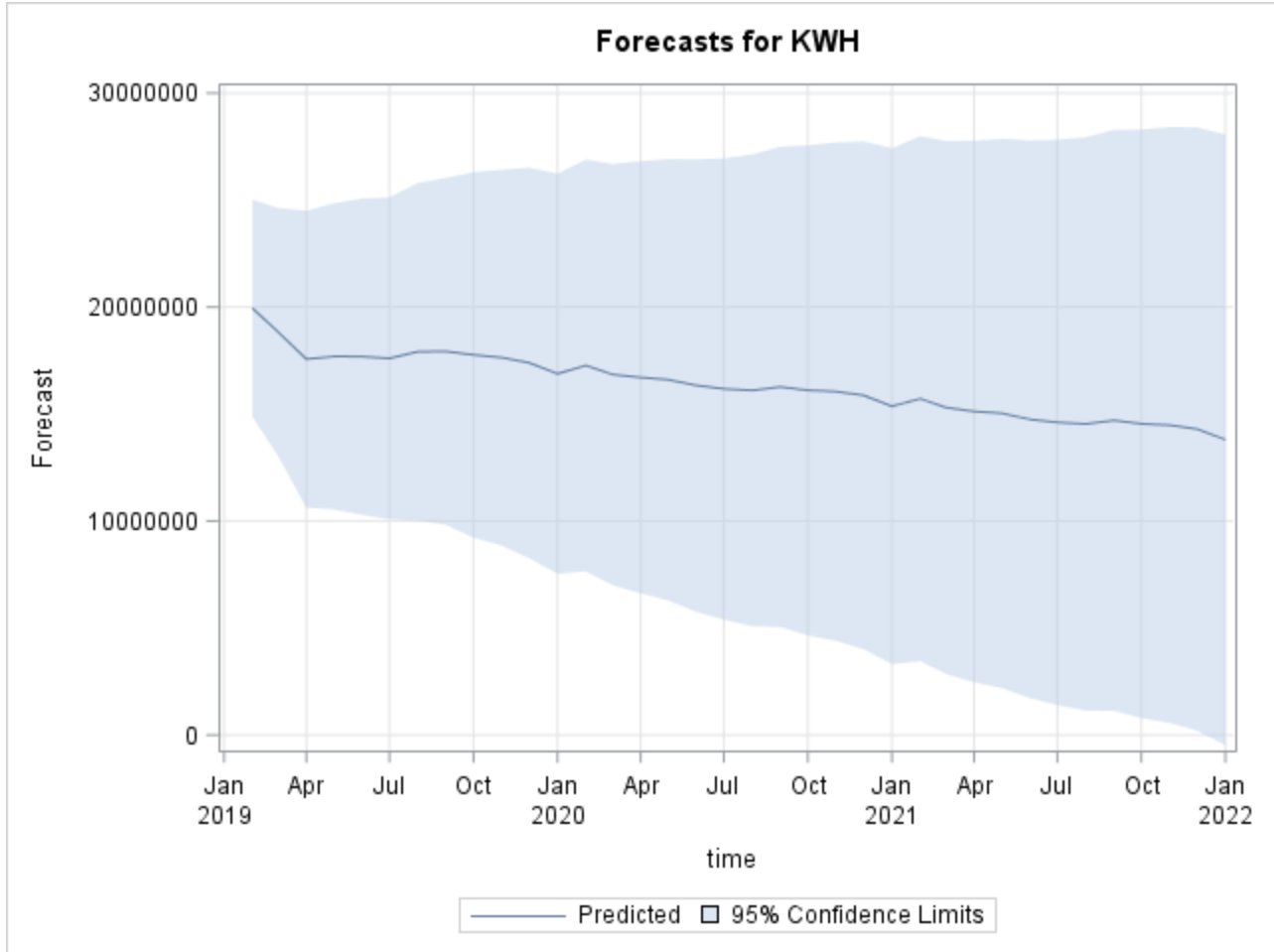
Obs	Time ID	Type	Estimate	Chi-Square	Approx Prob>ChiSq
47	NOV2012	Shift	-5489553.8	9.42	0.0021
98	FEB2017	Additive	4602574.4	8.29	0.0040

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits	
122	19944245.0	2588687	14870512.3	25017977.7
123	18838135.6	2955285	13045882.5	24630388.6
124	17568937.9	3539645	10631360.2	24506515.6
125	17690415.0	3646058	10544273.2	24836556.9
126	17687652.7	3769195	10300166.7	25075138.8
127	17604279.0	3843042	10072054.5	25136503.5
128	17912370.6	4023129	10027182.7	25797558.5
129	17927530.3	4137485	9818207.8	26036852.7
130	17764128.1	4357588	9223412.4	26304843.9
131	17636535.0	4480982	8853971.5	26419098.4
132	17392236.0	4655339	8267939.1	26516533.0
133	16884264.2	4768831	7537526.9	26231001.4
134	17273387.9	4910493	7648999.3	26897776.6
135	16853493.8	5019196	7016050.3	26690937.3
136	16715619.9	5154243	6613489.1	26817750.7
137	16605034.7	5263721	6288330.2	26921739.2
138	16334289.3	5394080	5762087.1	26906491.5
139	16172238.5	5502274	5387980.1	26956496.9
140	16106492.9	5623487	5084660.9	27128324.9
141	16266757.5	5728431	5039238.8	27494276.1
142	16108709.4	5842055	4658491.3	27558927.5
143	16049490.8	5944225	4399023.7	27699957.9
144	15873067.1	6052952	4009499.9	27736634.3

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits	
145	15365844.8	6152832	3306514.9	27425174.6
146	15718929.4	6257381	3454687.8	27983171.0
147	15308373.9	6354873	2853051.0	27763696.8
148	15122283.8	6455390	2469952.3	27774615.2
149	15035126.5	6550432	2196516.1	27873736.9
150	14754900.2	6647408	1726218.9	27783581.4
151	14608182.5	6740134	1397763.1	27818602.0
152	14541116.0	6834087	1146552.5	27935679.5
153	14708027.3	6924637	1135988.8	28280065.8
154	14540799.7	7015878	789931.1	28291668.4
155	14487502.1	7104347	563237.7	28411766.5
156	14302307.6	7193102	204087.1	28400528.0
157	13801104.8	7279583	-466616.1	28068825.6



Kentucky Power Company
 Industrial Mine Power

The ARIMA Procedure

Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr > |t|	Lag	Variable	Shift
MU	1136311288	392131069	2.90	0.0047	0	KWH	0
MA1,1	0.51976	0.09367	5.55	<.0001	12	KWH	0
AR1,1	0.33983	0.08861	3.84	0.0002	1	KWH	0
AR1,2	-0.43742	0.09869	-4.43	<.0001	4	KWH	0
AR2,1	-0.35976	0.11368	-3.16	0.0021	8	KWH	0
NUM1	-3132655.5	1074582.0	-2.92	0.0044	0	time	0
NUM2	-6423171.0	1549318.5	-4.15	<.0001	0	min1	0
NUM3	-374062781	34308960	-10.90	<.0001	0	min2	0
NUM4	17896.8	1705.3	10.49	<.0001	0	min2time	0
NUM5	8951816.7	885360.9	10.11	<.0001	0	min3	0
NUM6	-6529111.0	1205516.7	-5.42	<.0001	0	min4	0
NUM7	4870060.5	881881.1	5.52	<.0001	0	min5	0
NUM8	-2847479.9	1403520.6	-2.03	0.0453	0	min6	0
NUM9	4497087.8	1116113.8	4.03	0.0001	0	min7	0
NUM10	332421.8	246843.6	1.35	0.1813	0	MET_DAYS	0

Constant Estimate	1.6959E9
Variance Estimate	4.054E12
Std Error Estimate	2013417
AIC	3487.536
SBC	3527.906
Number of Residuals	109

* AIC and SBC do not include log determinant.

Correlations of Parameter Estimates

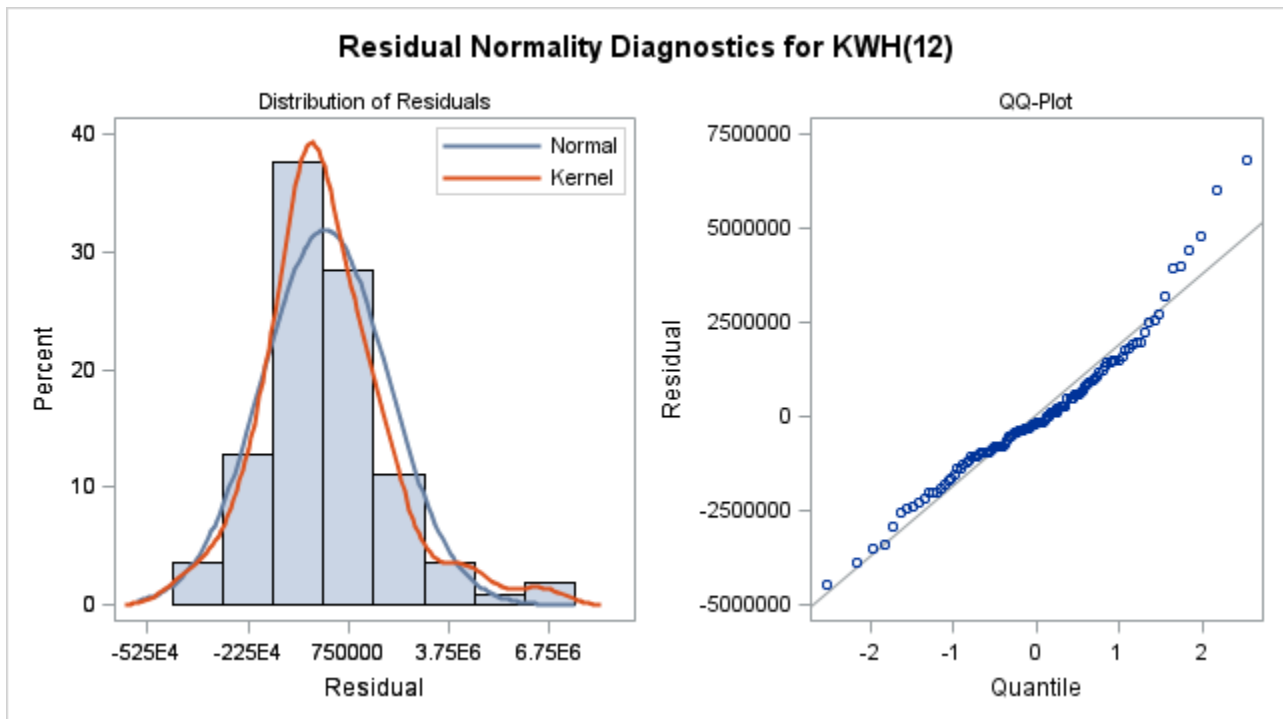
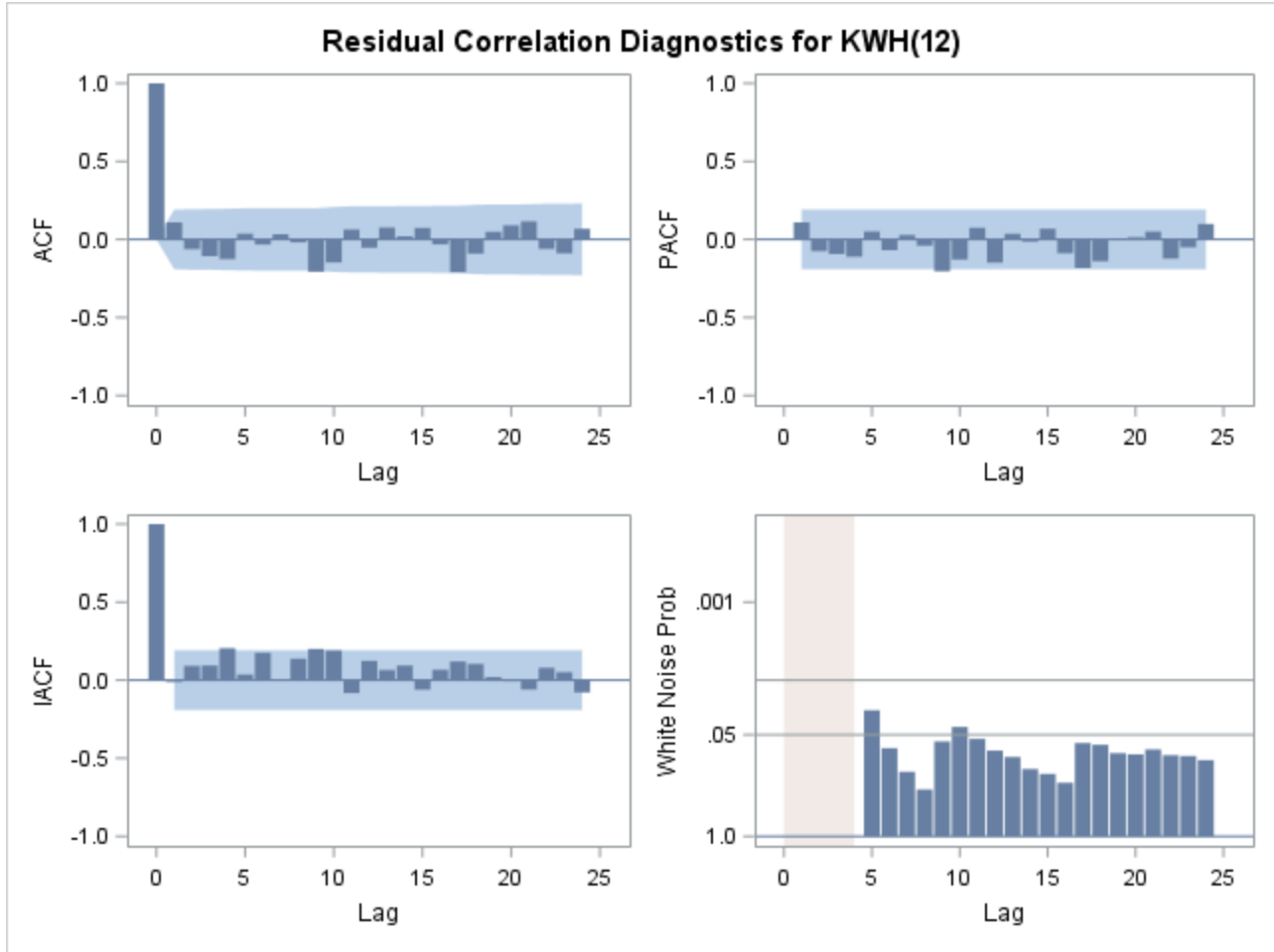
Variable Parameter	KWU	KWA1,1	KWAR1,1	KWAR1,2	KWAR2,1	time NUM1	min1 NUM2	min2 NUM3	min2time NUM4	min3 NUM5	min1 NUM6	min2 NUM7	min3 NUM8	min4 NUM9	MET_DAYS NUM10
KWH MU	1.000	0.017	0.113	0.104	0.058	-0.000	0.466	-0.018	0.340	0.084	0.082	0.299	0.264	0.104	0.150
KWH MA1,1	0.017	1.000	0.130	0.160	0.057	-0.017	0.113	0.023	-0.023	0.040	-0.053	-0.113	-0.121	-0.014	0.058
KWH AR1,1	0.113	0.130	1.000	0.312	0.204	-0.114	0.221	-0.101	0.104	0.123	-0.038	0.044	-0.073	0.120	0.080
KWH AR1,2	0.104	0.160	0.312	1.000	0.455	-0.105	0.161	-0.185	0.189	0.163	0.072	0.169	0.050	0.234	0.125
KWH AR2,1	0.058	0.057	0.204	0.455	1.000	-0.058	0.227	-0.097	0.099	0.093	-0.021	0.079	-0.100	0.174	0.193
time NUM1	-0.000	-0.017	-0.114	-0.105	-0.058	1.000	-0.466	-0.319	-0.341	-0.085	-0.082	-0.300	-0.265	-0.105	-0.150
min1 NUM2	0.466	0.113	0.221	0.161	0.227	-0.466	1.000	-0.276	0.286	0.225	0.088	-0.211	-0.475	0.237	0.166
min2 NUM3	-0.018	0.023	-0.101	-0.185	-0.197	0.319	-0.276	1.000	-0.000	0.667	0.274	0.536	0.461	0.801	-0.164
min2time NUM4	0.340	-0.023	0.104	0.189	0.099	-0.341	0.286	-1.000	1.000	0.669	0.276	0.544	0.468	0.801	0.165
min3 NUM5	0.084	0.040	0.123	0.163	0.093	-0.085	0.225	-0.669	0.669	1.000	-0.064	0.148	0.347	0.704	0.188

Correlations of Parameter Estimates

Variable Parameter	KW	KW	KW	KW	KW	time	min1	min2	min2	min3	min4	min5	min6	min7	MET_DAYS
	U	AR	AR	AR	AR	M1	M2	M3	M4	M5	M6	M7	M8	M9	NUM10
min4	0.0	-	-	0.0	-	-	0.0	-	0.276	-	1.0	0.2	0.1	0.2	0.064
NUM6	82	0.0	0.0	72	0.0	0.0	88	0.2		0.0	00	55	45	74	
		53	38		21	82		74		64					
min5	0.2	-	0.0	0.1	0.0	-	-	-	0.544	0.1	0.2	1.0	0.4	0.5	0.065
NUM7	99	0.1	44	69	79	0.3	0.1	0.5		48	55	00	72	04	
		13				00	21	36							
min6	0.2	-	-	0.0	-	-	-	-	0.468	0.3	0.1	0.4	1.0	0.3	0.093
NUM8	64	0.1	0.0	50	0.1	0.2	0.4	0.4		47	45	72	00	47	
		21	73		00	65	75	61							
min7	0.1	-	0.1	0.2	0.1	-	0.2	-	0.801	0.7	0.2	0.5	0.3	1.0	0.278
NUM9	04	0.0	20	34	74	0.1	37	0.8		04	74	04	47	00	
		14				05		01							
MET_DAYS	0.1	0.0	0.0	0.1	0.1	-	0.1	-	0.165	0.1	0.0	0.0	0.0	0.2	1.000
NUM10	50	58	80	25	93	0.1	66	0.1		88	64	65	93	78	
						50		64							

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations						
6	5.17	2	0.0753	0.110	-0.061	-0.107	-0.125	0.037	-0.033	
12	14.02	8	0.0812	0.033	-0.019	-0.207	-0.147	0.064	-0.053	
18	22.49	14	0.0691	0.076	0.020	0.074	-0.031	-0.209	-0.091	
24	28.00	20	0.1094	0.048	0.090	0.115	-0.061	-0.090	0.067	



Model for variable KWH

Estimated Intercept 1.1363E9
Period(s) of Differencing 12

Autoregressive Factors

Factor 1: $1 - 0.33983 B^{**}(1) + 0.43742 B^{**}(4)$

Factor 2: $1 + 0.35976 B^{**}(8)$

Moving Average Factors

Factor 1: $1 - 0.51976 B^{**}(12)$

Input Number 1

Input Variable time
Period(s) of Differencing 12
Overall Regression Factor -3132655

Input Number 2

Input Variable min1
Period(s) of Differencing 12
Overall Regression Factor -6423171

Input Number 3

Input Variable min2
Period(s) of Differencing 12
Overall Regression Factor -3.741E8

Input Number 4

Input Variable min2time
Period(s) of Differencing 12
Overall Regression Factor 17896.83

Input Number 5

Input Variable min3

Input Number 5

Period(s) of Differencing 12
Overall Regression Factor 8951817

Input Number 6

Input Variable min4
Period(s) of Differencing 12
Overall Regression Factor -6529111

Input Number 7

Input Variable min5
Period(s) of Differencing 12
Overall Regression Factor 4870060

Input Number 8

Input Variable min6
Period(s) of Differencing 12
Overall Regression Factor -2847480

Input Number 9

Input Variable min7
Period(s) of Differencing 12
Overall Regression Factor 4497088

Input Number 10

Input Variable MET_DAYS
Period(s) of Differencing 12
Overall Regression Factor 332421.8

Outlier Detection Summary

Maximum number searched 3
Number found 3
Significance used 0.05

Outlier Details

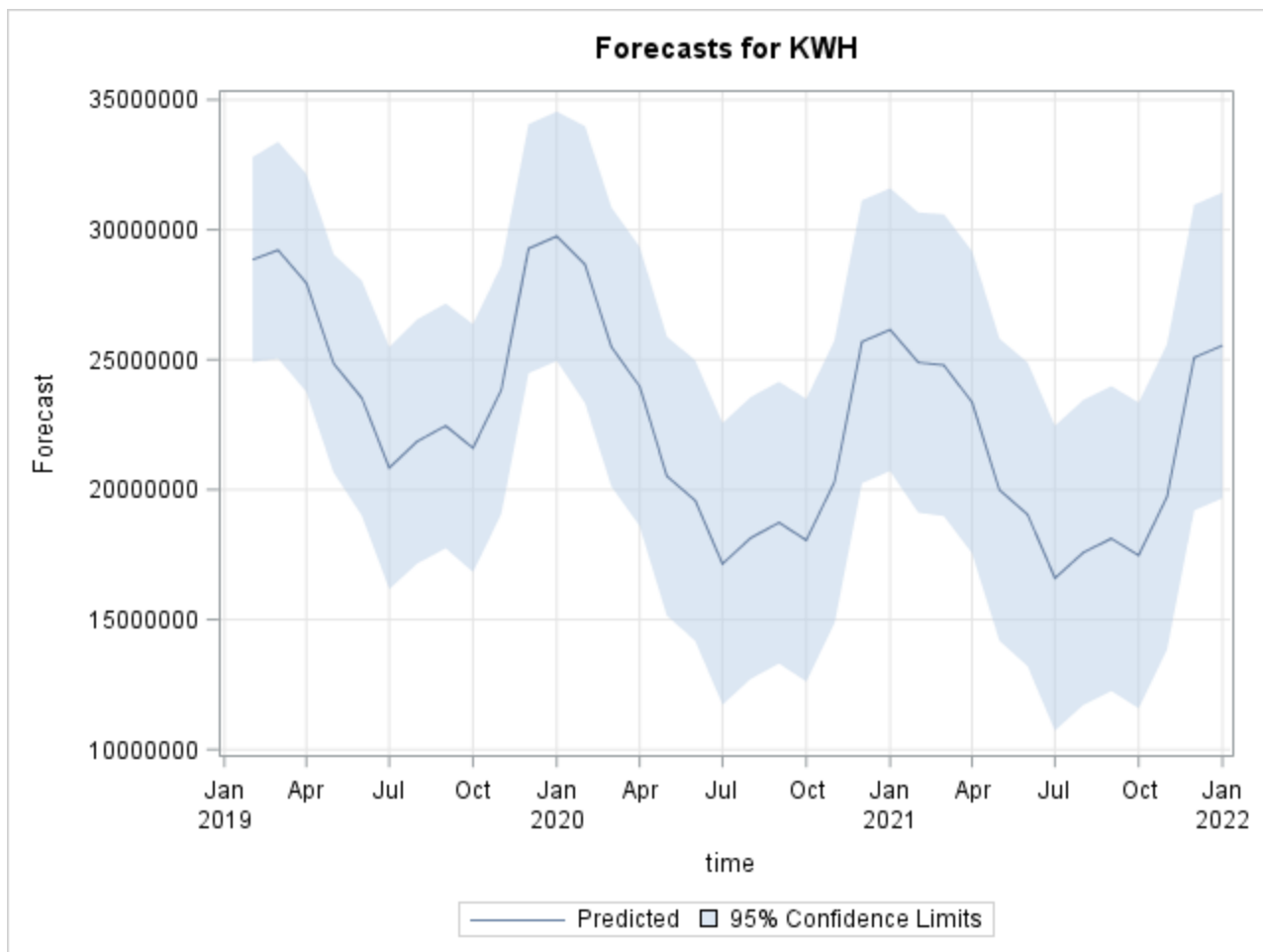
Obs	Time ID	Type	Estimate	Chi-Square	Approx Prob>ChiSq
34	OCT2011	Additive	-4409385.2	15.55	<.0001
17	MAY2010	Additive	4436464.2	16.21	<.0001
14	FEB2010	Additive	3032671.3	7.19	0.0073

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits	
122	28849828.8	2013417	24903603.5	32796054.2
123	29213951.5	2126500	25046087.2	33381815.8
124	27949527.1	2139175	23756821.6	32142232.6
125	24855121.3	2140634	20659556.5	29050686.1
126	23523515.3	2304643	19006497.6	28040533.0
127	20835643.4	2378831	16173219.9	25498066.8
128	21863801.3	2397927	17163950.3	26563652.3
129	22452089.5	2401849	17744551.9	27159627.0
130	21599741.9	2434516	16828178.2	26371305.5
131	23834142.8	2437609	19056516.3	28611769.2
132	29274011.6	2443799	24484252.7	34063770.4
133	29747934.8	2446699	24952492.5	34543377.1
134	28661592.7	2716934	23336500.7	33986684.7
135	25486522.1	2739096	20117993.5	30855050.7
136	23972001.9	2739420	18602838.2	29341165.5
137	20515019.3	2739680	15145345.3	25884693.4
138	19582339.1	2752850	14186852.5	24977825.7
139	17142770.2	2763598	11726217.0	22559323.3
140	18143766.8	2765450	12723584.8	23563948.9
141	18731415.5	2765508	13311120.3	24151710.6
142	18057014.1	2775584	12616970.4	23497057.8
143	20300962.1	2775707	14860675.7	25741248.4

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits	
144	25686374.9	2776216	20245090.6	31127659.1
145	26155348.3	2776337	20713827.6	31596869.0
146	24889693.4	2946003	19115634.2	30663752.7
147	24790503.1	2963698	18981761.7	30599244.5
148	23366075.8	2964964	17554853.0	29177298.7
149	19995841.3	2965019	14184509.9	25807172.7
150	19044202.0	2980127	13203259.5	24885144.4
151	16594442.5	2990042	10734067.0	22454818.0
152	17577600.2	2992473	11712461.6	23442738.9
153	18116465.2	2992872	12250543.5	23982386.9
154	17469680.5	2999525	11590720.2	23348640.9
155	19718033.3	2999773	13838586.8	25597479.7
156	25084150.5	3000495	19203287.6	30965013.5
157	25548490.7	3000815	19667002.1	31429979.2



Kentucky Power Company
 Other Retail

The ARIMA Procedure

Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr > |t|	Lag	Variable	Shift
MU	-3354.1	563.26539	-5.95	<.0001	0	KWH	0
MA1,1	0.56548	0.12930	4.37	<.0001	8	KWH	0
AR1,1	-0.67104	0.10789	-6.22	<.0001	2	KWH	0
AR2,1	0.39260	0.11120	3.53	0.0006	3	KWH	0
AR3,1	-0.51375	0.14470	-3.55	0.0006	4	KWH	0
AR4,1	-0.43148	0.10593	-4.07	<.0001	9	KWH	0
NUM1	21981.5	3930.5	5.59	<.0001	0	or1	0
NUM2	-36266.0	4470.4	-8.11	<.0001	0	or2	0
NUM3	146348.1	7458.6	19.62	<.0001	0	or3	0
NUM4	157437.6	7184.3	21.91	<.0001	0	or4	0
NUM5	150370.5	10685.6	14.07	<.0001	0	or5	0
NUM6	359246.1	13449.8	26.71	<.0001	0	or6	0
NUM7	54049.9	6388.3	8.46	<.0001	0	or8	0
NUM8	-394601.1	9694.2	-40.70	<.0001	0	or9	0
NUM9	57189.6	3321.7	17.22	<.0001	0	or10	0
NUM10	3867.0	1646.0	2.35	0.0209	0	MET_DAYS	0

Constant Estimate -7376.96

Variance Estimate 4.1655E8

Std Error Estimate 20409.46

AIC 2487.403

SBC 2530.465

Number of Residuals 109

*** AIC and SBC do not include log determinant.**

Correlations of Parameter Estimates

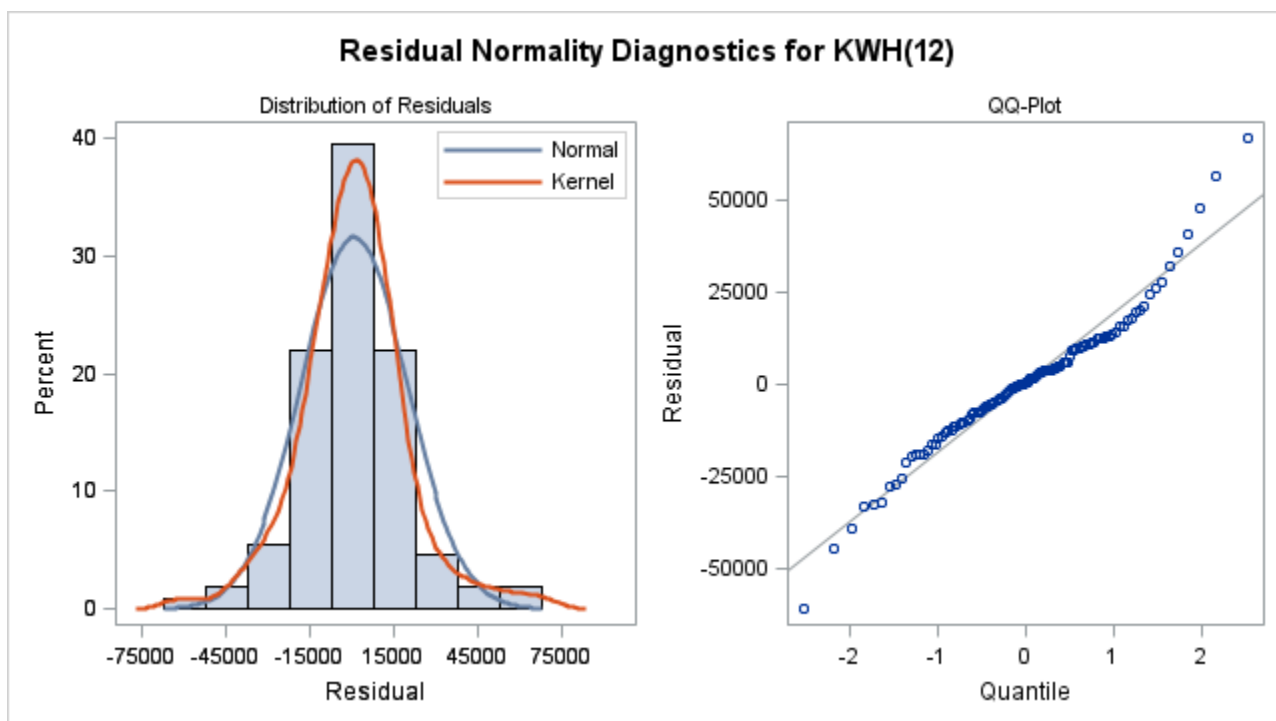
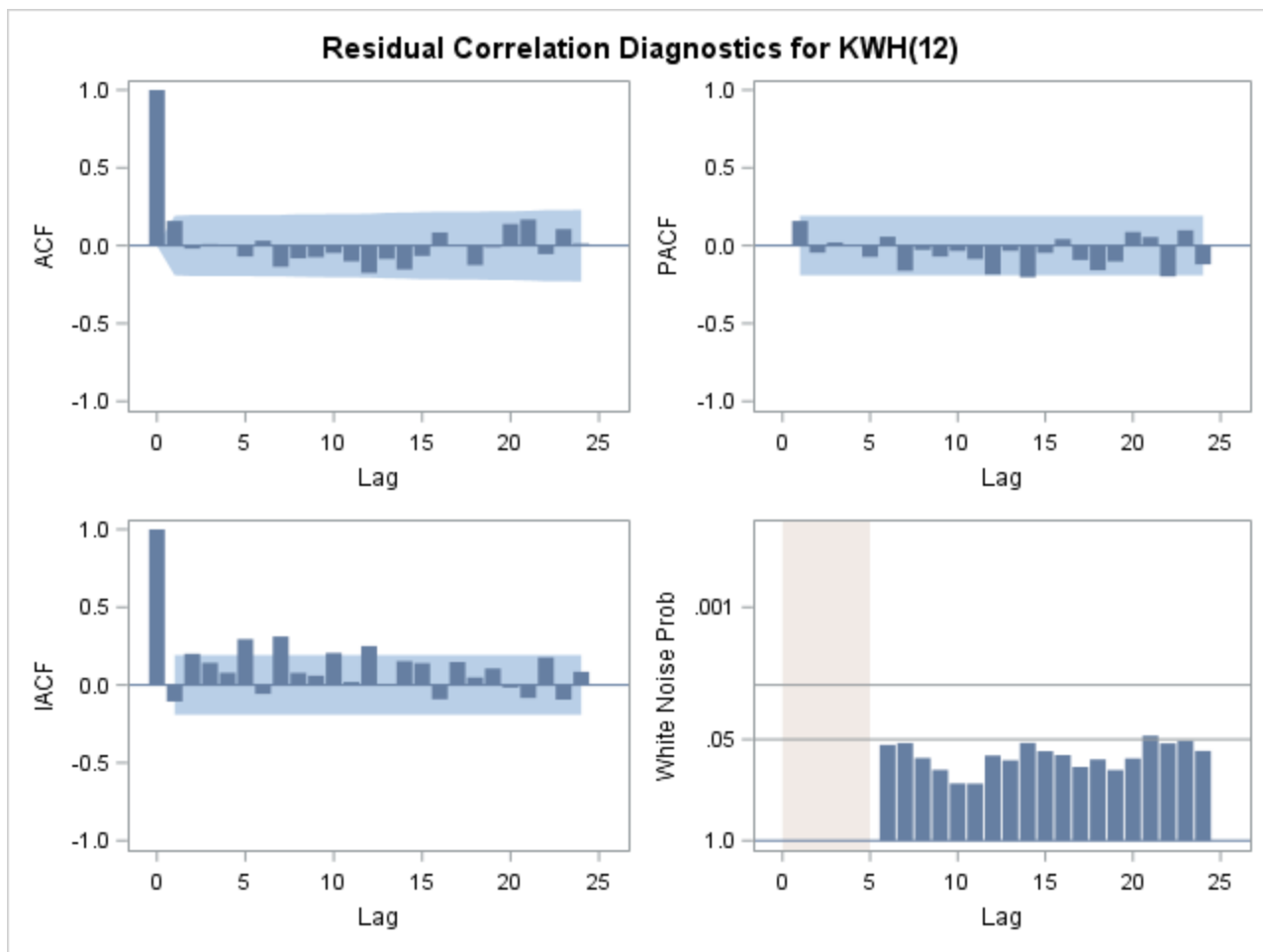
Variable Parameter	KWU	KWA1,1	KWAR1,1	KWAR2,1	KWAR3,1	KWAR4,1	or1 NUM1	or2 NUM2	or3 NUM3	or4 NUM4	or5 NUM5	or6 NUM6	or8 NUM7	or9 NUM8	or10 NUM9	MET_0 DAYS NUM10
KWH MU	1.0000	0.0392	-0.0222	-0.0080	-0.0014	-0.0006	-0.0049	-0.0054	0.0150	0.0100	-0.0032	0.0040	-0.0040	-0.0018	-0.0081	0.0770
KWH MA1,1	0.0392	1.0000	-0.0570	0.0640	-0.0037	-0.0045	0.0230	0.0148	0.0000	0.0101	0.0006	0.0095	0.0098	0.0003	0.0085	0.1470
KWH AR1,1	-0.0222	-0.0570	1.0000	0.0290	0.0450	0.0540	0.0086	0.0580	0.0500	0.0340	0.0000	0.0038	0.0051	0.0130	0.0150	0.0240
KWH AR2,1	-0.0080	0.0640	0.0290	1.0000	0.0284	0.0269	0.0068	0.0210	0.0202	0.0101	0.0470	0.0600	0.0650	0.0660	0.0006	0.0490
KWH AR3,1	-0.0014	0.0640	0.0450	0.0284	1.0000	0.0005	0.0103	0.0490	0.0520	0.0660	0.0340	0.0008	0.0227	0.0206	0.0072	-0.0040
KWH AR4,1	-0.0006	-0.0570	0.0540	0.0269	0.0005	1.0000	0.0001	0.0210	0.0167	0.0240	0.0100	0.0150	0.0058	0.0006	0.0088	0.0740
or1 NUM1	0.0049	0.0230	0.0086	0.0068	0.0003	0.0001	1.0000	0.0074	0.0037	0.0015	0.0000	0.0032	0.0086	0.0001	0.0052	-0.0010
or2 NUM2	-0.0054	-0.0480	0.0058	0.0021	0.0049	0.0021	0.0074	1.0000	0.0000	0.0000	0.0033	0.0020	0.0015	0.0033	0.0050	-0.1460
or3 NUM3	0.0150	0.0072	0.0050	0.0022	0.0052	0.0067	0.0037	0.0000	1.0000	0.0030	0.0069	0.0020	0.0021	0.0020	0.0049	0.2320
or4 NUM4	0.0100	0.0088	0.0034	0.0011	0.0066	0.0024	0.0015	0.0000	0.0030	1.0000	0.0000	0.0030	0.0075	0.0000	0.0067	0.1730

Correlations of Parameter Estimates

Variable Parameter	KW	KW	KW	KW	KW	KW	or1 NU	or2 NU	or3 NU	or4 NU	or5 NU	or6 NU	or8 NU	or9 NU	or10 NU	MET_DAYS
	U	A1,	R1	R2	R3	R4	M1	M2	M3	M4	M5	M6	M7	M8	M9	0
		1	,1	,1	,1	,1										
or5	-	0.0	-	0.0	0.0	-	-	0.0	-	-	1.0	0.1	-	0.0	-	-0.692
NUM5	0.0	06	0.0	47	34	0.1	0.0	33	0.2	0.3	00	30	0.0	54	0.0	
	32		38			50	14		96	55			82		38	
or6	0.0	0.1	-	0.1	0.0	-	0.0	-	-	0.0	0.1	1.0	0.0	-	0.3	0.334
NUM6	40	95	0.0	60	08	0.1	32	0.2	0.1	75	30	00	66	0.0	19	
			51			58		68	71					67		
or8	-	0.0	-	0.1	-	-	0.0	-	-	-	-	0.0	1.0	0.0	0.1	0.080
NUM7	0.0	98	0.1	65	0.2	0.0	86	0.1	0.2	0.0	0.0	66	00	55	45	
	40		13		27	06		15	58	40	82					
or9	-	0.1	-	0.0	-	0.1	0.0	0.0	-	-	0.0	-	0.0	1.0	-	-0.115
NUM8	0.0	03	0.1	66	0.2	24	01	33	0.0	0.0	54	0.0	55	00	0.0	
	18		50		06				74	57		67			31	
or10	-	0.1	-	0.0	-	-	0.3	-	0.0	0.0	-	0.3	0.1	-	1.0	0.175
NUM9	0.3	85	0.0	06	0.0	0.0	52	0.5	49	67	0.0	19	45	0.0	00	
	81		64		72	88		86			38			31		
MET_DAYS	0.0	0.1	0.0	0.0	-	0.0	-	-	0.2	0.1	-	0.3	0.0	-	0.1	1.000
NUM10	77	47	24	49	0.0	74	0.0	0.1	32	73	0.6	34	80	0.1	75	
					04		01	46			92			15		

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations						
6	3.56	1	0.0590	0.159	-0.019	0.011	0.009	-0.068	0.033	
12	12.57	7	0.0833	-0.135	-0.081	-0.074	-0.047	-0.101	-0.176	
18	20.03	13	0.0944	-0.085	-0.153	-0.066	0.085	-0.001	-0.125	
24	28.63	19	0.0720	-0.009	0.140	0.169	-0.054	0.106	0.013	



Model for variable KWH

Estimated Intercept -3354.1
Period(s) of Differencing 12

Autoregressive Factors

Factor 1: $1 + 0.67104 B^{**}(2)$

Factor 2: $1 - 0.3926 B^{**}(3)$

Factor 3: $1 + 0.51375 B^{**}(4)$

Factor 4: $1 + 0.43148 B^{**}(9)$

Moving Average Factors

Factor 1: $1 - 0.56548 B^{**}(8)$

Input Number 1

Input Variable or1
Period(s) of Differencing 12
Overall Regression Factor 21981.5

Input Number 2

Input Variable or2
Period(s) of Differencing 12
Overall Regression Factor -36266

Input Number 3

Input Variable or3
Period(s) of Differencing 12
Overall Regression Factor 146348.1

Input Number 4

Input Variable or4
Period(s) of Differencing 12
Overall Regression Factor 157437.6

Input Number 5

Input Variable or5
Period(s) of Differencing 12
Overall Regression Factor 150370.5

Input Number 6

Input Variable or6
Period(s) of Differencing 12
Overall Regression Factor 359246.1

Input Number 7

Input Variable or8
Period(s) of Differencing 12
Overall Regression Factor 54049.87

Input Number 8

Input Variable or9
Period(s) of Differencing 12
Overall Regression Factor -394601

Input Number 9

Input Variable or10
Period(s) of Differencing 12
Overall Regression Factor 57189.62

Input Number 10

Input Variable MET_DAYS
Period(s) of Differencing 12
Overall Regression Factor 3867.001

Outlier Detection Summary

Maximum number searched 3
Number found 3

Outlier Detection Summary

Significance used 0.05

Outlier Details

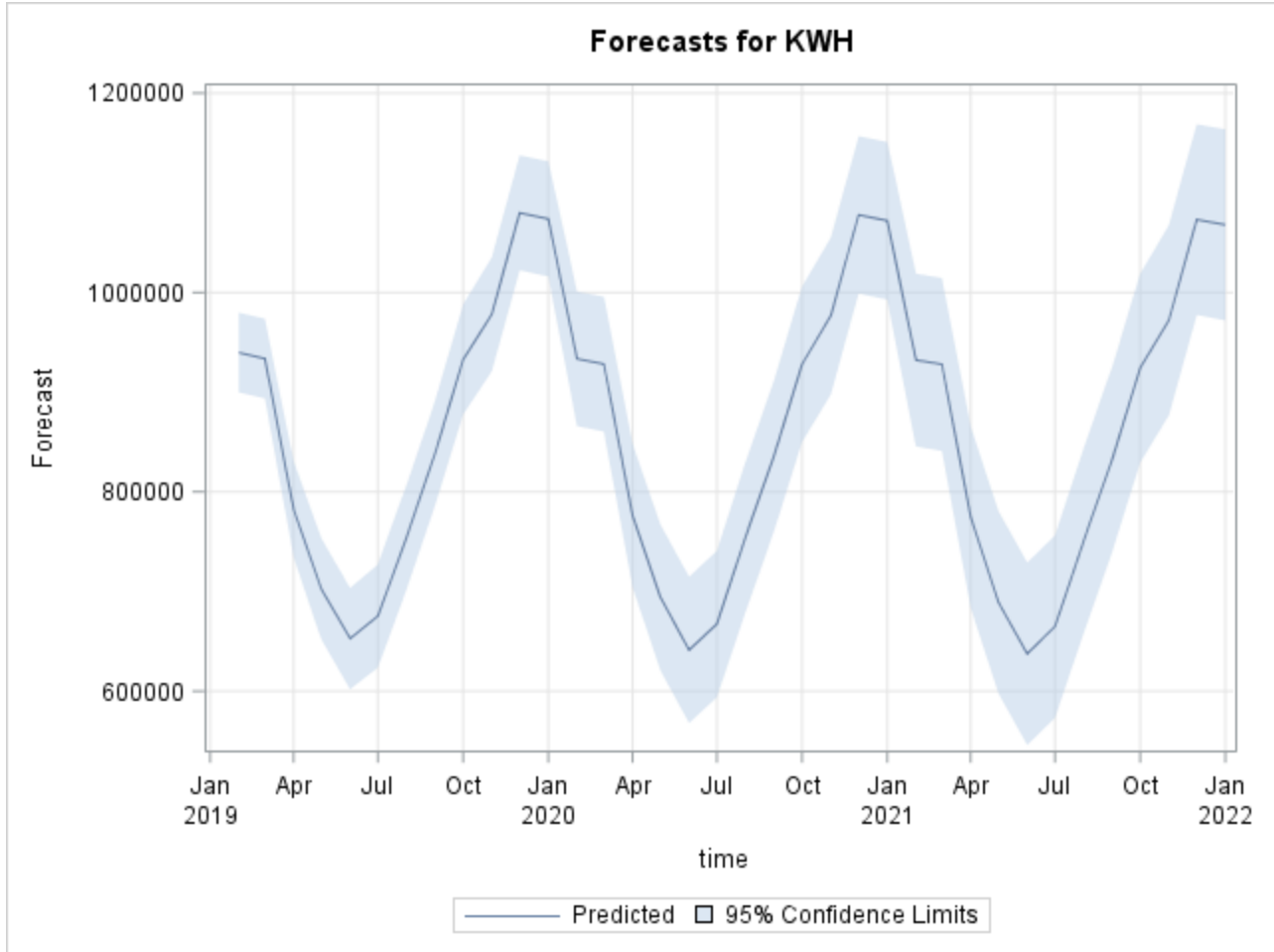
Obs	Time ID	Type	Estimate	Chi-Square	Approx Prob>ChiSq
3	MAR2009	Additive	45625.0	12.47	0.0004
119	NOV2018	Shift	-19973.6	8.63	0.0033
46	OCT2012	Additive	-17762.7	7.30	0.0069

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits	
122	939685.5	20409.46	899683.7	979687.3
123	933745.3	20409.46	893743.5	973747.1
124	782532.9	24578.75	734359.5	830706.4
125	702331.0	25851.89	651662.2	752999.8
126	652743.5	25884.31	602011.1	703475.8
127	675393.7	26436.88	623578.3	727209.0
128	754656.8	26740.01	702247.3	807066.3
129	839428.8	26744.85	787009.9	891847.7
130	932627.2	28170.55	877414.0	987840.5
131	978144.6	29083.57	921141.9	1035147.4
132	1079900.2	29402.87	1022271.7	1137528.8
133	1073887.7	29503.57	1016061.8	1131713.6
134	933417.9	34405.07	865985.2	1000850.6
135	928071.6	34478.92	860494.2	995649.0
136	776230.8	36786.98	704129.6	848332.0
137	694131.1	37369.70	620887.8	767374.4
138	641326.7	37421.93	567981.1	714672.4
139	667530.8	37482.39	594066.7	740994.9
140	754927.0	38390.58	679682.8	830171.1
141	837003.6	38487.29	761569.9	912437.3

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits	
142	928143.7	39763.62	850208.5	1006079.0
143	976623.3	40156.37	897918.3	1055328.3
144	1077751.8	40277.61	998809.1	1156694.5
145	1072035.3	40328.38	992993.1	1151077.4
146	932091.0	44215.81	845429.6	1018752.4
147	927841.8	44284.24	841046.3	1014637.3
148	774869.4	46442.37	683844.0	865894.8
149	689149.5	46674.51	597669.1	780629.8
150	637529.1	46685.23	546027.7	729030.5
151	664812.1	46710.69	573260.8	756363.4
152	750814.2	47314.30	658079.9	843548.5
153	833195.5	47365.52	740360.8	926030.2
154	924126.7	48382.68	829298.4	1018955.0
155	972298.3	48730.72	876787.8	1067808.7
156	1073062.1	48829.03	977358.9	1168765.2
157	1067801.2	48893.29	971972.2	1163630.3



Kentucky Power Company
 Retail Energy Models Output Data

JURIS	revcls	YEAR	MONTH	KWH	USAGE	L95	U95	RESIDUAL
KPC	1	2009	1	324,261,144		2,244		
KPC	1	2009	2	321,754,903		2,230		
KPC	1	2009	3	245,050,894		1,700		
KPC	1	2009	4	182,459,913		1,269		
KPC	1	2009	5	144,361,276		1,007		
KPC	1	2009	6	151,245,639		1,055		
KPC	1	2009	7	173,833,571		1,214		
KPC	1	2009	8	170,185,790		1,188		
KPC	1	2009	9	169,252,468		1,181		
KPC	1	2009	10	143,868,781		1,004		
KPC	1	2009	11	164,823,717		1,149		
KPC	1	2009	12	237,454,965		1,653		
KPC	1	2010	1	350,664,153		2,438	2,349	29,461,17541
KPC	1	2010	2	305,077,067		2,122	2,089	-27,19061073
KPC	1	2010	3	279,422,042		1,946	1,832	54,08274552
KPC	1	2010	4	174,456,108		1,219	1,164	-5,090871086
KPC	1	2010	5	135,005,262		945	856	29,71998786
KPC	1	2010	6	166,198,346		1,164	1,079	24,93442415
KPC	1	2010	7	203,979,408		1,430	1,314	55,93740647
KPC	1	2010	8	212,550,131		1,489	1,379	50,24338799
KPC	1	2010	9	183,616,419		1,289	1,222	6,826458811
KPC	1	2010	10	143,598,954		1,008	943	5,04779111
KPC	1	2010	11	154,297,601		1,081	1,065	-43,31493667
KPC	1	2010	12	273,160,433		1,914	1,841	12,97774232
KPC	1	2011	1	369,872,756		2,583	2,468	54,79995919
KPC	1	2011	2	289,653,721		2,029	1,967	1,879240046
KPC	1	2011	3	213,925,306		1,497	1,482	-44,17798506
KPC	1	2011	4	175,913,849		1,237	1,243	-65,9446116
KPC	1	2011	5	136,610,903		964	914	-10,13145265
KPC	1	2011	6	161,213,402		1,140	1,065	14,78658445
KPC	1	2011	7	180,048,512		1,273	1,247	-33,72395639
KPC	1	2011	8	204,783,417		1,447	1,374	12,90890765
KPC	1	2011	9	168,880,851		1,195	1,125	10,14158889
KPC	1	2011	10	130,272,550		923	869	-6,447516826
KPC	1	2011	11	158,479,656		1,121	1,039	22,89372807
KPC	1	2011	12	219,324,970		1,550	1,417	72,60604219

Kentucky Power Company
 Retail Energy Models Output Data

JURIS	revcls	YEAR	MONTH	KWH	USAGE	L95	U95	RESIDUAL
KPC	1	2012	1	274,134,546	1,936	1,924	2,044	-47.23525001
KPC	1	2012	2	243,903,743	1,721	1,637	1,757	23.95950543
KPC	1	2012	3	199,200,791	1,409	1,372	1,491	-22.08027295
KPC	1	2012	4	137,671,421	977	922	1,042	-4.858160629
KPC	1	2012	5	136,654,009	971	885	1,005	25.90806142
KPC	1	2012	6	153,985,572	1,095	1,024	1,144	11.40432407
KPC	1	2012	7	193,338,001	1,374	1,356	1,476	-41.73858243
KPC	1	2012	8	187,003,020	1,330	1,266	1,386	3.702812513
KPC	1	2012	9	168,666,746	1,199	1,129	1,249	10.25834293
KPC	1	2012	10	132,251,695	941	876	996	4.850035402
KPC	1	2012	11	166,572,182	1,183	1,170	1,290	-46.59398311
KPC	1	2012	12	233,547,737	1,657	1,563	1,683	34.57338534
KPC	1	2013	1	280,699,997	1,989	1,993	2,113	-63.45284021
KPC	1	2013	2	266,429,823	1,891	1,813	1,933	17.56996524
KPC	1	2013	3	248,594,961	1,766	1,657	1,777	48.77101269
KPC	1	2013	4	207,429,662	1,476	1,370	1,490	45.92751266
KPC	1	2013	5	129,736,653	926	868	988	-2.340251667
KPC	1	2013	6	148,187,829	1,059	1,036	1,156	-36.83726149
KPC	1	2013	7	175,159,040	1,254	1,188	1,308	6.45681372
KPC	1	2013	8	170,774,916	1,222	1,166	1,286	-3.540231078
KPC	1	2013	9	161,526,380	1,157	1,114	1,234	-16.83145809
KPC	1	2013	10	129,233,894	925	864	984	1.093720465
KPC	1	2013	11	156,903,872	1,122	1,051	1,170	11.14192961
KPC	1	2013	12	253,527,938	1,809	1,804	1,924	-54.84236392
KPC	1	2014	1	323,852,495	2,309	2,240	2,360	8.719622376
KPC	1	2014	2	324,864,812	2,319	2,262	2,382	-3.451775835
KPC	1	2014	3	256,160,073	1,831	1,770	1,890	0.9444454607
KPC	1	2014	4	176,608,430	1,268	1,214	1,334	-5.407290072
KPC	1	2014	5	131,470,597	947	851	971	35.82233953
KPC	1	2014	6	146,952,439	1,060	942	1,062	58.61750565
KPC	1	2014	7	171,420,699	1,238	1,162	1,282	15.89074659
KPC	1	2014	8	153,764,534	1,112	1,045	1,165	6.851042289
KPC	1	2014	9	161,216,689	1,166	1,087	1,207	18.72042677
KPC	1	2014	10	121,877,901	882	805	925	16.77892284
KPC	1	2014	11	154,486,643	1,115	1,076	1,196	-20.49845044
KPC	1	2014	12	240,700,341	1,735	1,754	1,874	-79.34329869

Kentucky Power Company
 Retail Energy Models Output Data

JURIS	revcls	YEAR	MONTH	KWH	USAGE	L95	U95	RESIDUAL
KPC	1	2015	1	283,987,625	2,047	1,981	2,101	6.46312905
KPC	1	2015	2	291,080,829	2,097	2,020	2,140	17.61217945
KPC	1	2015	3	283,268,185	2,042	1,990	2,110	-8.47984204
KPC	1	2015	4	159,297,411	1,154	1,130	1,250	-36.06185582
KPC	1	2015	5	125,546,720	912	835	955	17.15069427
KPC	1	2015	6	149,729,232	1,089	1,019	1,139	9.822547941
KPC	1	2015	7	169,165,836	1,230	1,161	1,281	8.743371184
KPC	1	2015	8	170,972,985	1,243	1,132	1,252	50.44445867
KPC	1	2015	9	155,811,061	1,133	1,068	1,188	4.865401805
KPC	1	2015	10	124,126,875	902	838	958	4.188067338
KPC	1	2015	11	127,891,476	929	876	996	-7.183966487
KPC	1	2015	12	188,630,371	1,368	1,305	1,425	3.1383208
KPC	1	2016	1	242,972,646	1,760	1,696	1,816	4.865666159
KPC	1	2016	2	267,627,861	1,939	1,919	2,039	-39.33483027
KPC	1	2016	3	200,113,637	1,454	1,384	1,504	10.18208605
KPC	1	2016	4	144,135,345	1,050	957	1,077	32.7231787
KPC	1	2016	5	116,048,498	847	813	933	-25.8283702
KPC	1	2016	6	139,166,808	1,018	984	1,104	-26.48865953
KPC	1	2016	7	169,950,961	1,244	1,186	1,306	-1.986524409
KPC	1	2016	8	184,674,320	1,351	1,352	1,472	-60.68269654
KPC	1	2016	9	176,531,858	1,292	1,262	1,382	-29.78955969
KPC	1	2016	10	130,371,558	956	909	1,028	-12.53869986
KPC	1	2016	11	119,959,287	879	806	926	13.19329284
KPC	1	2016	12	206,759,111	1,512	1,468	1,588	-16.28201442
KPC	1	2017	1	245,582,908	1,796	1,758	1,878	-22.75896113
KPC	1	2017	2	195,307,826	1,431	1,366	1,486	4.811576823
KPC	1	2017	3	174,536,235	1,279	1,223	1,343	-3.883247735
KPC	1	2017	4	141,558,394	1,041	979	1,099	2.806921096
KPC	1	2017	5	111,859,556	824	749	869	14.3278955
KPC	1	2017	6	128,176,844	945	898	1,018	-13.17847918
KPC	1	2017	7	159,125,428	1,174	1,133	1,253	-18.3806096
KPC	1	2017	8	162,721,050	1,201	1,133	1,253	7.904516441
KPC	1	2017	9	139,430,846	1,028	961	1,081	6.99003012
KPC	1	2017	10	118,738,575	876	842	962	-25.23130791
KPC	1	2017	11	130,956,475	965	922	1,042	-17.2459316
KPC	1	2017	12	210,092,374	1,547	1,453	1,573	34.57957848

Kentucky Power Company
 Retail Energy Models Output Data

JURIS	revcls	YEAR	MONTH	KWH	USAGE	L95	U95	RESIDUAL
KPC	1	2018	1	309,010,866	2,273	2,215	2,335	-2.087983163
KPC	1	2018	2	246,926,975	1,819	1,734	1,854	24.74624181
KPC	1	2018	3	172,368,319	1,273	1,265	1,385	-52.62720223
KPC	1	2018	4	175,280,664	1,297	1,245	1,365	-7.663572049
KPC	1	2018	5	126,576,953	939	860	980	18.88837068
KPC	1	2018	6	150,743,660	1,120	1,075	1,195	-14.83100625
KPC	1	2018	7	172,362,126	1,279	1,190	1,310	29.45129707
KPC	1	2018	8	161,331,399	1,198	1,149	1,269	-10.79921618
KPC	1	2018	9	161,339,041	1,198	1,139	1,259	-1.376727075
KPC	1	2018	10	133,075,554	990	913	1,033	16.31499536
KPC	1	2018	11	142,551,046	1,059	1,018	1,138	-19.5502788
KPC	1	2018	12	216,562,236	1,607	1,577	1,697	-30.15631103
KPC	1	2019	1	236,891,126	1,758	1,678	1,798	19.86366632
KPC	1	2019	2		1,794	1,734	1,854	
KPC	1	2019	3		1,487	1,424	1,550	
KPC	1	2019	4		1,093	1,029	1,156	
KPC	1	2019	5		835	771	898	
KPC	1	2019	6		926	863	990	
KPC	1	2019	7		1,175	1,110	1,240	
KPC	1	2019	8		1,184	1,119	1,249	
KPC	1	2019	9		1,091	1,026	1,156	
KPC	1	2019	10		814	749	879	
KPC	1	2019	11		932	867	997	
KPC	1	2019	12		1,497	1,431	1,562	
KPC	1	2020	1		1,918	1,853	1,984	
KPC	1	2020	2		1,775	1,698	1,852	
KPC	1	2020	3		1,448	1,370	1,526	
KPC	1	2020	4		1,076	998	1,155	
KPC	1	2020	5		819	741	897	
KPC	1	2020	6		899	821	977	
KPC	1	2020	7		1,160	1,082	1,239	
KPC	1	2020	8		1,170	1,091	1,249	
KPC	1	2020	9		1,072	993	1,151	
KPC	1	2020	10		799	718	880	
KPC	1	2020	11		904	823	985	
KPC	1	2020	12		1,473	1,392	1,554	

Kentucky Power Company
 Retail Energy Models Output Data

JURIS	revcls	YEAR	MONTH	KWH	USAGE	L95	U95	RESIDUAL
KPC	1	2021	1			1,903	1,822	1,984
KPC	1	2021	2			1,754	1,661	1,848
KPC	1	2021	3			1,432	1,338	1,527
KPC	1	2021	4			1,056	962	1,151
KPC	1	2021	5			800	706	894
KPC	1	2021	6			886	792	980
KPC	1	2021	7			1,135	1,040	1,230
KPC	1	2021	8			1,147	1,052	1,242
KPC	1	2021	9			1,055	960	1,150
KPC	1	2021	10			778	682	874
KPC	1	2021	11			890	795	986
KPC	1	2021	12			1,454	1,358	1,549
KPC	1	2022	1			1,882	1,786	1,978
KPC	1	2022	2					
KPC	1	2022	3					
KPC	1	2022	4					
KPC	1	2022	5					
KPC	1	2022	6					
KPC	1	2022	7					
KPC	1	2022	8					
KPC	1	2022	9					
KPC	1	2022	10					
KPC	1	2022	11					
KPC	1	2022	12					
KPC	2	2009	1	140,606,604		4,758		
KPC	2	2009	2	135,440,164		4,593		
KPC	2	2009	3	117,944,093		3,984		
KPC	2	2009	4	108,021,954		3,664		
KPC	2	2009	5	105,536,445		3,583		
KPC	2	2009	6	114,602,837		3,876		
KPC	2	2009	7	119,391,195		4,044		
KPC	2	2009	8	118,640,006		4,014		
KPC	2	2009	9	122,206,783		4,131		
KPC	2	2009	10	110,816,069		3,742		
KPC	2	2009	11	102,272,004		3,456		
KPC	2	2009	12	122,158,139		4,122		

Kentucky Power Company
 Retail Energy Models Output Data

JURIS	revcls	YEAR	MONTH	KWH	USAGE	L95	U95	RESIDUAL
KPC	2	2010	1	145,310,559	4,898	4,762	4,926	53.53330072
KPC	2	2010	2	130,435,595	4,399	4,377	4,541	-60.5055706
KPC	2	2010	3	125,707,234	4,237	4,035	4,199	119.713146
KPC	2	2010	4	109,887,187	3,700	3,594	3,758	24.09442
KPC	2	2010	5	103,227,627	3,475	3,354	3,518	38.60813652
KPC	2	2010	6	120,865,708	4,047	3,912	4,076	52.97216298
KPC	2	2010	7	128,707,608	4,317	4,214	4,378	21.22802221
KPC	2	2010	8	130,361,661	4,365	4,251	4,415	31.58036164
KPC	2	2010	9	127,052,974	4,254	4,190	4,354	-17.8211885
KPC	2	2010	10	109,427,766	3,662	3,551	3,716	28.941428
KPC	2	2010	11	101,444,450	3,385	3,265	3,429	37.35253439
KPC	2	2010	12	126,636,697	4,246	4,173	4,337	-9.734266926
KPC	2	2011	1	149,513,476	4,981	4,910	5,074	-10.83023175
KPC	2	2011	2	128,069,545	4,300	4,233	4,397	-14.62184363
KPC	2	2011	3	113,030,389	3,772	3,659	3,823	30.9199441
KPC	2	2011	4	105,850,586	3,546	3,493	3,657	-28.81273702
KPC	2	2011	5	104,314,600	3,489	3,368	3,532	38.59520586
KPC	2	2011	6	113,971,493	3,807	3,763	3,927	-37.88102014
KPC	2	2011	7	120,703,198	4,036	3,946	4,110	7.959516159
KPC	2	2011	8	126,716,547	4,216	4,107	4,271	26.60281569
KPC	2	2011	9	121,599,600	4,049	3,977	4,141	-10.07852815
KPC	2	2011	10	104,807,038	3,488	3,415	3,579	-8.558692968
KPC	2	2011	11	101,307,383	3,372	3,243	3,407	46.4893163
KPC	2	2011	12	117,291,091	3,906	3,745	3,909	78.67175024
KPC	2	2012	1	127,272,515	4,238	4,181	4,345	-24.73588142
KPC	2	2012	2	118,081,469	3,937	3,856	4,020	-0.517308733
KPC	2	2012	3	108,057,419	3,615	3,552	3,716	-19.22331419
KPC	2	2012	4	99,556,722	3,321	3,235	3,399	3.968122131
KPC	2	2012	5	101,822,173	3,394	3,281	3,445	31.40655072
KPC	2	2012	6	110,744,153	3,684	3,643	3,808	-41.05886629
KPC	2	2012	7	122,686,761	4,077	4,062	4,226	-67.38070983
KPC	2	2012	8	118,371,520	3,931	3,887	4,051	-37.62395524
KPC	2	2012	9	120,209,831	3,988	3,925	4,089	-19.3947141
KPC	2	2012	10	102,116,621	3,394	3,320	3,484	-7.694835671
KPC	2	2012	11	101,170,198	3,355	3,293	3,457	-20.12570806
KPC	2	2012	12	116,462,995	3,861	3,750	3,915	28.40309295

Kentucky Power Company
 Retail Energy Models Output Data

JURIS	revcls	YEAR	MONTH	KWH	USAGE	L95	U95	RESIDUAL
KPC	2	2013	1	127,240,868	4,216	4,181	4,345	-46.84873167
KPC	2	2013	2	121,035,817	4,015	3,924	4,088	8.905218997
KPC	2	2013	3	116,643,268	3,878	3,755	3,919	41.32613656
KPC	2	2013	4	110,305,881	3,664	3,617	3,781	-34.66962491
KPC	2	2013	5	98,184,077	3,256	3,177	3,341	-3.543650356
KPC	2	2013	6	108,353,308	3,589	3,601	3,765	-94.14121564
KPC	2	2013	7	114,739,361	3,797	3,763	3,927	-47.90801644
KPC	2	2013	8	115,140,659	3,806	3,707	3,871	16.90543596
KPC	2	2013	9	116,231,535	3,771	3,681	3,846	7.331983904
KPC	2	2013	10	104,867,079	3,452	3,305	3,469	64.5015332
KPC	2	2013	11	99,743,477	3,292	3,174	3,338	36.0977038
KPC	2	2013	12	122,310,223	4,029	3,964	4,128	-17.12560638
KPC	2	2014	1	138,723,638	4,560	4,437	4,601	41.36486478
KPC	2	2014	2	132,758,241	4,375	4,220	4,384	72.26670364
KPC	2	2014	3	118,772,530	3,909	3,851	4,015	-24.06951352
KPC	2	2014	4	102,872,440	3,393	3,335	3,500	-24.56056253
KPC	2	2014	5	101,241,999	3,337	3,175	3,339	80.0618925
KPC	2	2014	6	108,860,522	3,588	3,453	3,617	53.18788741
KPC	2	2014	7	116,182,323	3,823	3,737	3,902	3.838415938
KPC	2	2014	8	110,607,898	3,642	3,543	3,707	16.67672849
KPC	2	2014	9	116,975,492	3,840	3,794	3,958	-36.50426071
KPC	2	2014	10	100,313,146	3,295	3,216	3,380	-3.072751925
KPC	2	2014	11	98,419,690	3,236	3,189	3,353	-35.08736957
KPC	2	2014	12	119,869,452	3,942	3,897	4,061	-37.69938696
KPC	2	2015	1	130,143,486	4,277	4,208	4,372	-13.16992666
KPC	2	2015	2	126,138,998	4,149	4,072	4,236	-5.253825824
KPC	2	2015	3	125,614,239	4,124	4,040	4,205	1.772852898
KPC	2	2015	4	102,030,039	3,356	3,256	3,421	17.21896251
KPC	2	2015	5	97,207,182	3,199	3,122	3,286	-5.361732038
KPC	2	2015	6	109,192,462	3,580	3,514	3,678	-15.96565789
KPC	2	2015	7	114,739,043	3,748	3,605	3,769	60.86339751
KPC	2	2015	8	113,633,850	3,714	3,584	3,749	47.64471018
KPC	2	2015	9	114,534,760	3,755	3,690	3,854	-17.04957254
KPC	2	2015	10	102,147,269	3,355	3,218	3,382	55.17565769
KPC	2	2015	11	93,341,861	3,073	2,959	3,123	32.08548745
KPC	2	2015	12	107,099,126	3,523	3,491	3,655	-49.39242313

Kentucky Power Company
 Retail Energy Models Output Data

JURIS	revcls	YEAR	MONTH	KWH	USAGE	L95	U95	RESIDUAL
KPC	2	2016	1	119,365,705	3,936	3,877	4,041	-23.32228697
KPC	2	2016	2	120,151,591	3,960	3,907	4,071	-28.71492239
KPC	2	2016	3	108,145,735	3,574	3,414	3,578	77.75617521
KPC	2	2016	4	97,128,241	3,212	3,129	3,293	1.032170207
KPC	2	2016	5	92,876,405	3,070	2,974	3,138	14.1907587
KPC	2	2016	6	104,329,061	3,443	3,418	3,582	-57.34115323
KPC	2	2016	7	113,689,197	3,752	3,701	3,865	-30.71480202
KPC	2	2016	8	118,016,343	3,892	3,835	3,999	-24.90433464
KPC	2	2016	9	122,195,192	4,024	3,946	4,110	-3.396977821
KPC	2	2016	10	103,959,866	3,429	3,355	3,519	-7.991298357
KPC	2	2016	11	92,160,661	3,048	2,922	3,086	43.77953347
KPC	2	2016	12	109,650,983	3,626	3,597	3,761	-53.61298353
KPC	2	2017	1	119,982,906	3,973	3,875	4,039	15.82192947
KPC	2	2017	2	105,085,106	3,486	3,432	3,596	-28.03565677
KPC	2	2017	3	99,050,390	3,281	3,247	3,411	-48.31884164
KPC	2	2017	4	94,129,268	3,123	2,969	3,133	72.04154733
KPC	2	2017	5	91,587,119	3,031	2,968	3,132	-18.23505371
KPC	2	2017	6	100,001,014	3,309	3,290	3,455	-63.52338297
KPC	2	2017	7	109,854,510	3,629	3,552	3,716	-4.707052165
KPC	2	2017	8	110,051,024	3,640	3,540	3,704	17.88458341
KPC	2	2017	9	107,268,734	3,546	3,477	3,641	-12.76441224
KPC	2	2017	10	99,012,011	3,276	3,170	3,334	24.02334508
KPC	2	2017	11	93,373,275	3,089	2,980	3,145	26.29256298
KPC	2	2017	12	108,508,735	3,592	3,541	3,705	-31.45192126
KPC	2	2018	1	132,408,293	4,373	4,238	4,402	52.5891311
KPC	2	2018	2	116,027,512	3,848	3,707	3,871	58.67427481
KPC	2	2018	3	98,708,054	3,280	3,237	3,401	-39.09031133
KPC	2	2018	4	100,199,167	3,329	3,300	3,464	-52.93626979
KPC	2	2018	5	92,163,985	3,057	2,979	3,143	-4.436959781
KPC	2	2018	6	109,624,640	3,636	3,520	3,685	33.55168735
KPC	2	2018	7	112,348,092	3,720	3,647	3,811	-8.534125041
KPC	2	2018	8	108,393,006	3,585	3,511	3,675	-8.027403094
KPC	2	2018	9	113,304,543	3,749	3,698	3,862	-31.18590003
KPC	2	2018	10	102,673,609	3,406	3,289	3,453	35.87837597
KPC	2	2018	11	92,474,122	3,069	3,077	3,241	-89.93829983
KPC	2	2018	12	108,604,117	3,617	3,510	3,675	24.43533643

Kentucky Power Company
 Retail Energy Models Output Data

JURIS	revcls	YEAR	MONTH	KWH	USAGE	L95	U95	RESIDUAL
KPC		2019	1	114,734,118	3,831	3,783	3,947	-33.91328144
KPC		2019	2		3,751	3,669	3,833	
KPC		2019	3		3,399	3,310	3,488	
KPC		2019	4		3,103	3,013	3,193	
KPC		2019	5		2,941	2,851	3,030	
KPC		2019	6		3,286	3,193	3,379	
KPC		2019	7		3,543	3,450	3,637	
KPC		2019	8		3,557	3,464	3,651	
KPC		2019	9		3,597	3,504	3,691	
KPC		2019	10		3,123	3,029	3,217	
KPC		2019	11		2,895	2,802	2,989	
KPC		2019	12		3,498	3,404	3,591	
KPC		2020	1		3,948	3,854	4,042	
KPC		2020	2		3,672	3,570	3,775	
KPC		2020	3		3,344	3,240	3,448	
KPC		2020	4		3,068	2,964	3,173	
KPC		2020	5		2,892	2,787	2,996	
KPC		2020	6		3,210	3,105	3,316	
KPC		2020	7		3,487	3,382	3,592	
KPC		2020	8		3,515	3,409	3,620	
KPC		2020	9		3,553	3,448	3,658	
KPC		2020	10		3,063	2,957	3,168	
KPC		2020	11		2,865	2,760	2,971	
KPC		2020	12		3,448	3,342	3,553	
KPC		2021	1		3,911	3,805	4,016	
KPC		2021	2		3,631	3,524	3,738	
KPC		2021	3		3,301	3,194	3,409	
KPC		2021	4		3,004	2,897	3,112	
KPC		2021	5		2,839	2,731	2,946	
KPC		2021	6		3,165	3,058	3,273	
KPC		2021	7		3,435	3,327	3,542	
KPC		2021	8		3,452	3,345	3,560	
KPC		2021	9		3,493	3,385	3,600	
KPC		2021	10		3,009	2,901	3,117	
KPC		2021	11		2,797	2,689	2,904	
KPC		2021	12		3,388	3,281	3,496	

Kentucky Power Company
 Retail Energy Models Output Data

JURIS	revcls	YEAR	MONTH	KWH	USAGE	L95	U95	RESIDUAL
KPC	2	2022	1			3,845	3,737	3,953
KPC	2	2022	2					
KPC	2	2022	3					
KPC	2	2022	4					
KPC	2	2022	5					
KPC	2	2022	6					
KPC	2	2022	7					
KPC	2	2022	8					
KPC	2	2022	9					
KPC	2	2022	10					
KPC	2	2022	11					
KPC	2	2022	12					
KPC	3.1	2009	1	35,968,196			31,224,016	41,371,482
KPC	3.1	2009	2	34,678,453			30,089,001	40,236,467
KPC	3.1	2009	3	30,745,457			26,941,143	37,088,608
KPC	3.1	2009	4	30,294,673			26,016,346	-1720202.38
KPC	3.1	2009	5	23,651,825			22,960,590	-7438253.233
KPC	3.1	2009	6	28,930,083			22,310,839	895760.7594
KPC	3.1	2009	7	30,661,653			4,494,132	3277081.035
KPC	3.1	2009	8	14,207,045			29,673,579	4639180.823
KPC	3.1	2009	9	33,784,911			51,854,866	-962400.3009
KPC	3.1	2009	10	57,260,462			25,636,783	331863.6644
KPC	3.1	2009	11	27,758,239			24,218,367	-2952276.75
KPC	3.1	2009	12	31,361,174			23,647,948	2069074.455
KPC	3.1	2010	1	31,844,694			29,479,246	3123013.695
KPC	3.1	2010	2	34,422,005			27,941,509	-130973.5473
KPC	3.1	2010	3	28,578,796			25,455,500	-4436445.784
KPC	3.1	2010	4	28,313,408			21,934,120	-2215824.82
KPC	3.1	2010	5	28,855,803			39,941,878	1847950.125
KPC	3.1	2010	6	44,593,505			24,674,157	-422105.3095
KPC	3.1	2010	7	29,794,229			37,932,026	46339.3289
KPC	3.1	2010	8	43,466,914			24,360,568	461154.885
KPC	3.1	2010	9	29,785,934			16,960,723	351633.2301
KPC	3.1	2010	10	22,683,057			32,299,038	648601.1386
KPC	3.1	2010	11	39,902,075			25,600,248	2529304.776
KPC	3.1	2010	12	28,463,337				-2210643.333

Kentucky Power Company
 Retail Energy Models Output Data

JURIS	revcls	YEAR	MONTH	KWH	USAGE	L95	U95	RESIDUAL	
KPC	3.1	2011	1	34,568,632			24,567,070	34,714,535	4927829.654
KPC	3.1	2011	2	43,804,305			40,735,036	50,882,501	-2004463.403
KPC	3.1	2011	3	16,109,345			12,790,839	22,938,304	-1755226.401
KPC	3.1	2011	4	29,566,060			23,128,406	33,275,872	1363921.143
KPC	3.1	2011	5	29,622,290			24,940,381	35,087,847	-391824.0789
KPC	3.1	2011	6	33,805,851			24,395,388	34,542,854	4336730.074
KPC	3.1	2011	7	28,697,740			27,408,212	37,555,678	-3784205.094
KPC	3.1	2011	8	30,158,384			25,301,166	35,448,632	-216515.1507
KPC	3.1	2011	9	27,282,386			23,247,634	33,395,099	-1038980.756
KPC	3.1	2011	10	26,038,857			23,586,317	33,733,783	-2621193.058
KPC	3.1	2011	11	28,415,988			21,715,787	31,863,253	1626468.013
KPC	3.1	2011	12	30,935,375			22,762,012	32,909,477	3099630.575
KPC	3.1	2012	1	30,073,292			24,714,560	34,862,026	284999.1355
KPC	3.1	2012	2	31,184,365			26,247,090	36,394,555	-136457.6651
KPC	3.1	2012	3	25,501,682			24,071,824	34,219,289	-3643874.643
KPC	3.1	2012	4	23,707,981			21,744,271	31,891,737	-3110023.031
KPC	3.1	2012	5	23,524,230			18,806,168	28,953,634	-355671.1094
KPC	3.1	2012	6	26,769,322			19,955,677	30,103,142	1739912.412
KPC	3.1	2012	7	24,968,428			21,648,689	31,796,154	-1753993.821
KPC	3.1	2012	8	25,566,183			21,861,263	32,008,729	-1368813.026
KPC	3.1	2012	9	32,302,036			23,140,514	33,287,979	4087789.511
KPC	3.1	2012	10	33,693,084			25,830,337	35,977,803	2789013.979
KPC	3.1	2012	11	27,513,164			27,755,532	37,902,997	-5316100.605
KPC	3.1	2012	12	24,736,986			23,740,088	33,887,553	-4076834.767
KPC	3.1	2013	1	24,069,232			18,713,159	28,860,624	282340.3325
KPC	3.1	2013	2	27,411,342			17,158,672	27,306,137	5178937.425
KPC	3.1	2013	3	21,489,541			21,244,931	31,392,396	-4829122.591
KPC	3.1	2013	4	22,726,797			20,084,787	30,232,252	-2431722.462
KPC	3.1	2013	5	20,422,502			14,942,204	25,089,670	406564.9941
KPC	3.1	2013	6	21,021,167			16,676,211	26,823,676	-728776.7051
KPC	3.1	2013	7	22,821,853			15,957,592	26,105,057	1790528.534
KPC	3.1	2013	8	23,331,249			17,765,015	27,912,480	492501.3725
KPC	3.1	2013	9	22,146,121			17,563,607	27,711,073	-491219.0896
KPC	3.1	2013	10	21,032,251			17,329,602	27,477,067	-1371083.791
KPC	3.1	2013	11	21,753,839			14,910,386	25,057,852	1769719.965
KPC	3.1	2013	12	25,994,721			15,754,758	25,902,224	5166229.935

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JURIS	revcls	YEAR	MONTH	KWH	USAGE	L95	U95	RESIDUAL	
KPC	3.1	2014	1	25,145,435			19,549,860	29,697,326	521842.0317
KPC	3.1	2014	2	23,768,452			21,261,039	31,408,504	-2566319.636
KPC	3.1	2014	3	23,360,080			17,069,923	27,217,388	1216424.379
KPC	3.1	2014	4	22,300,144			16,942,744	27,090,210	283666.9878
KPC	3.1	2014	5	22,590,842			17,957,671	28,105,136	-440561.5868
KPC	3.1	2014	6	23,512,267			17,731,595	27,879,060	706939.7458
KPC	3.1	2014	7	23,882,399			17,821,755	27,969,220	986911.4716
KPC	3.1	2014	8	23,139,057			18,744,331	28,891,797	-679006.8766
KPC	3.1	2014	9	23,394,884			18,076,597	28,224,063	244553.9795
KPC	3.1	2014	10	22,000,457			17,355,940	27,503,405	-429215.4925
KPC	3.1	2014	11	27,397,974			17,708,747	27,856,212	4615494.755
KPC	3.1	2014	12	20,248,219			19,402,600	29,550,065	-4228113.288
KPC	3.1	2015	1	24,544,885			17,694,713	27,842,179	1776439.111
KPC	3.1	2015	2	21,898,754			16,746,807	26,894,273	78214.05136
KPC	3.1	2015	3	21,996,602			18,660,509	28,807,975	-1737639.923
KPC	3.1	2015	4	22,835,096			16,231,499	26,378,964	1529864.8
KPC	3.1	2015	5	22,016,932			17,833,500	27,980,965	-890300.7381
KPC	3.1	2015	6	20,324,631			16,689,675	26,837,140	-1438776.737
KPC	3.1	2015	7	20,896,150			16,572,584	26,720,049	-750166.2414
KPC	3.1	2015	8	19,854,344			14,751,241	24,898,707	29370.01634
KPC	3.1	2015	9	20,179,421			16,013,132	26,160,598	-907444.0457
KPC	3.1	2015	10	19,146,050			14,937,160	25,084,626	-864843.131
KPC	3.1	2015	11	16,798,220			14,641,183	24,788,648	-2916695.597
KPC	3.1	2015	12	20,317,365			12,403,057	22,550,522	2840575.637
KPC	3.1	2016	1	13,834,861			13,755,753	23,903,218	-4994624.272
KPC	3.1	2016	2	17,940,389			12,984,514	23,131,980	-117858.12
KPC	3.1	2016	3	25,957,924			21,880,670	32,028,135	-996478.6863
KPC	3.1	2016	4	16,022,495			11,848,706	21,996,171	-899943.2846
KPC	3.1	2016	5	16,318,164			10,449,981	20,597,446	794450.3658
KPC	3.1	2016	6	19,463,451			11,635,982	21,783,448	2753735.981
KPC	3.1	2016	7	19,337,396			12,327,162	22,474,627	1936501.711
KPC	3.1	2016	8	18,102,858			14,527,519	24,674,984	-1498393.475
KPC	3.1	2016	9	19,391,370			11,617,747	21,765,213	2699890.134
KPC	3.1	2016	10	18,566,246			12,727,512	22,874,977	765001.2424
KPC	3.1	2016	11	18,136,902			13,611,480	23,758,945	-548310.4728
KPC	3.1	2016	12	65,169,094			57,304,896	67,452,361	2790465.694

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JURIS	revcls	YEAR	MONTH	KWH	USAGE	L95	U95	RESIDUAL	
KPC	3.1	2017	1	17,061,970			13,461,109	23,608,574	-1472871.595
KPC	3.1	2017	2	23,097,519			14,321,341	24,468,806	3702445.219
KPC	3.1	2017	3	13,946,109			14,440,849	24,588,314	-5568472.75
KPC	3.1	2017	4	17,373,851			12,904,527	23,051,992	-604408.2661
KPC	3.1	2017	5	7,068,548			466,426	10,613,891	1528389.64
KPC	3.1	2017	6	27,177,134			21,922,373	32,069,838	181028.2029
KPC	3.1	2017	7	17,932,763			12,209,739	22,357,205	649291.0086
KPC	3.1	2017	8	17,998,369			13,635,141	23,782,606	-710504.4213
KPC	3.1	2017	9	18,161,154			11,410,901	21,558,366	1676520.638
KPC	3.1	2017	10	17,689,864			12,897,962	23,045,427	-281830.2867
KPC	3.1	2017	11	14,689,507			8,227,388	18,374,853	1388386.455
KPC	3.1	2017	12	22,132,188			16,619,110	26,766,575	439345.5865
KPC	3.1	2018	1	19,377,299			12,612,492	22,759,958	1691074.101
KPC	3.1	2018	2	18,992,553			14,270,884	24,418,350	-352064.1181
KPC	3.1	2018	3	17,022,548			13,381,434	23,528,900	-1432619.136
KPC	3.1	2018	4	18,312,946			11,899,924	22,047,389	1339289.223
KPC	3.1	2018	5	15,482,784			12,450,860	22,598,325	-2041808.306
KPC	3.1	2018	6	17,229,435			11,706,326	21,853,791	449376.7229
KPC	3.1	2018	7	19,108,705			11,383,054	21,530,519	2651918.698
KPC	3.1	2018	8	14,014,844			13,446,542	23,594,007	-4505430.546
KPC	3.1	2018	9	17,395,045			11,230,373	21,377,838	1090939.613
KPC	3.1	2018	10	16,712,890			9,858,011	20,005,476	1781146.785
KPC	3.1	2018	11	16,928,699			12,713,760	22,861,226	-858793.9158
KPC	3.1	2018	12	20,281,459			11,451,244	21,598,709	3756482.575
KPC	3.1	2019	1	19,579,820			12,774,291	22,921,757	1731796.139
KPC	3.1	2019	2	19,944,245			14,870,512	25,017,978	
KPC	3.1	2019	3	18,838,136			13,045,883	24,630,389	
KPC	3.1	2019	4	17,568,938			10,631,360	24,506,516	
KPC	3.1	2019	5	17,690,415			10,544,273	24,836,557	
KPC	3.1	2019	6	17,687,653			10,300,167	25,075,139	
KPC	3.1	2019	7	17,604,279			10,072,054	25,136,504	
KPC	3.1	2019	8	17,912,371			10,027,183	25,797,558	
KPC	3.1	2019	9	17,927,530			9,818,208	26,036,853	
KPC	3.1	2019	10	17,764,128			9,223,412	26,304,844	
KPC	3.1	2019	11	17,636,535			8,853,972	26,419,098	
KPC	3.1	2019	12	17,392,236			8,267,939	26,516,533	

Kentucky Power Company
 Retail Energy Models Output Data

JURIS	revcls	YEAR	MONTH	KWH	USAGE	L95	U95	RESIDUAL
KPC	3.1	2020	1	16,884,264			7,537,527	26,231,001
KPC	3.1	2020	2	17,273,388			7,648,999	26,897,777
KPC	3.1	2020	3	16,853,494			7,016,050	26,690,937
KPC	3.1	2020	4	16,715,620			6,613,489	26,817,751
KPC	3.1	2020	5	16,605,035			6,288,330	26,921,739
KPC	3.1	2020	6	16,334,289			5,762,087	26,906,492
KPC	3.1	2020	7	16,172,239			5,387,980	26,956,497
KPC	3.1	2020	8	16,106,493			5,084,661	27,128,325
KPC	3.1	2020	9	16,266,757			5,039,239	27,494,276
KPC	3.1	2020	10	16,108,709			4,658,491	27,558,928
KPC	3.1	2020	11	16,049,491			4,399,024	27,699,958
KPC	3.1	2020	12	15,873,067			4,009,500	27,736,634
KPC	3.1	2021	1	15,365,845			3,306,515	27,425,175
KPC	3.1	2021	2	15,718,929			3,454,688	27,983,171
KPC	3.1	2021	3	15,308,374			2,853,051	27,763,697
KPC	3.1	2021	4	15,122,284			2,469,952	27,774,615
KPC	3.1	2021	5	15,035,127			2,196,516	27,873,737
KPC	3.1	2021	6	14,754,900			1,726,219	27,783,581
KPC	3.1	2021	7	14,608,183			1,397,763	27,818,602
KPC	3.1	2021	8	14,541,116			1,146,552	27,935,680
KPC	3.1	2021	9	14,708,027			1,135,989	28,280,066
KPC	3.1	2021	10	14,540,800			789,931	28,291,668
KPC	3.1	2021	11	14,487,502			563,238	28,411,766
KPC	3.1	2021	12	14,302,308			204,087	28,400,528
KPC	3.1	2022	1	13,801,105			-466,616	28,068,826
KPC	3.1	2022	2					
KPC	3.1	2022	3					
KPC	3.1	2022	4					
KPC	3.1	2022	5					
KPC	3.1	2022	6					
KPC	3.1	2022	7					
KPC	3.1	2022	8					
KPC	3.1	2022	9					
KPC	3.1	2022	10					
KPC	3.1	2022	11					
KPC	3.1	2022	12					

Kentucky Power Company
 Retail Energy Models Output Data

JURIS	revcls	YEAR	MONTH	KWH	USAGE	L95	U95	RESIDUAL
KPC	3.15	2009	1	99,711,964				
KPC	3.15	2009	2	97,116,723				
KPC	3.15	2009	3	95,710,097				
KPC	3.15	2009	4	87,882,897				
KPC	3.15	2009	5	76,484,951				
KPC	3.15	2009	6	73,254,005				
KPC	3.15	2009	7	64,624,827				
KPC	3.15	2009	8	66,622,316				
KPC	3.15	2009	9	73,012,716				
KPC	3.15	2009	10	73,614,400				
KPC	3.15	2009	11	76,718,784				
KPC	3.15	2009	12	82,490,567				
KPC	3.15	2010	1	84,324,535		81,768,730	89,661,181	-1390420.67
KPC	3.15	2010	2	86,779,356		78,851,706	86,744,157	3981424.686
KPC	3.15	2010	3	84,139,194		79,276,523	87,168,974	916445.232
KPC	3.15	2010	4	81,822,324		77,649,366	85,541,816	226732.9037
KPC	3.15	2010	5	85,868,809		75,131,826	83,024,277	6790757.728
KPC	3.15	2010	6	75,245,404		72,368,996	80,261,447	-1069817.462
KPC	3.15	2010	7	66,371,129		61,550,710	69,443,160	874194.125
KPC	3.15	2010	8	67,066,364		64,065,899	71,958,350	-945760.45
KPC	3.15	2010	9	69,552,528		67,597,294	75,489,745	-1990991.744
KPC	3.15	2010	10	72,908,757		68,360,077	76,252,527	602455.0745
KPC	3.15	2010	11	76,399,294		73,378,291	81,270,742	-925222.3239
KPC	3.15	2010	12	87,982,263		80,103,349	87,995,800	3932688.488
KPC	3.15	2011	1	87,344,861		84,178,463	92,070,914	-779827.1423
KPC	3.15	2011	2	84,707,402		84,621,759	92,514,210	-3860582.204
KPC	3.15	2011	3	81,557,666		80,990,690	88,883,140	-3379248.999
KPC	3.15	2011	4	78,544,422		76,481,332	84,373,782	-1883134.869
KPC	3.15	2011	5	73,831,382		69,862,262	77,754,712	22895.06219
KPC	3.15	2011	6	76,649,692		70,006,775	77,899,226	2696691.333
KPC	3.15	2011	7	69,892,394		63,421,346	71,313,796	2524822.903
KPC	3.15	2011	8	69,374,617		63,915,986	71,808,436	1512406.129
KPC	3.15	2011	9	72,679,540		69,263,310	77,155,761	-529995.1562
KPC	3.15	2011	10	68,090,520		68,594,282	76,486,733	-4449987.488
KPC	3.15	2011	11	78,934,641		68,986,592	76,879,043	6001823.707
KPC	3.15	2011	12	83,853,444		79,710,009	87,602,460	197209.1426

Kentucky Power Company
 Retail Energy Models Output Data

JURIS	revcls	YEAR	MONTH	KWH	USAGE	L95	U95	RESIDUAL	
KPC	3.15	2012	1	82,433,184			79,691,333	87,583,784	-1204374.558
KPC	3.15	2012	2	81,400,912			79,626,574	87,519,025	-2171887.17
KPC	3.15	2012	3	74,318,260			70,669,517	78,561,967	-297481.9389
KPC	3.15	2012	4	66,982,744			63,672,062	71,564,513	-635543.8578
KPC	3.15	2012	5	62,546,531			58,746,103	66,638,553	-145796.8859
KPC	3.15	2012	6	59,553,092			56,403,190	64,295,641	-796323.6949
KPC	3.15	2012	7	48,556,968			42,807,857	50,700,307	1802886.095
KPC	3.15	2012	8	50,407,819			45,009,538	52,901,989	1452055.255
KPC	3.15	2012	9	52,737,612			49,281,644	57,174,095	-490257.3335
KPC	3.15	2012	10	51,015,022			47,469,874	55,362,324	-401076.9295
KPC	3.15	2012	11	54,403,977			53,954,425	61,846,875	-3496672.895
KPC	3.15	2012	12	59,078,604			58,057,153	65,949,604	-2924774.712
KPC	3.15	2013	1	61,930,004			58,375,442	66,267,893	-391663.1884
KPC	3.15	2013	2	63,773,105			57,925,387	65,817,838	1901492.548
KPC	3.15	2013	3	61,440,335			57,828,654	65,721,105	-334544.8175
KPC	3.15	2013	4	59,328,643			56,558,701	64,451,152	-1176283.598
KPC	3.15	2013	5	51,510,516			49,961,029	57,853,480	-2396738.66
KPC	3.15	2013	6	47,788,089			43,937,027	51,829,477	-95162.88762
KPC	3.15	2013	7	45,499,389			36,780,069	44,672,520	4773094.432
KPC	3.15	2013	8	48,436,896			40,096,977	47,989,428	4393693.426
KPC	3.15	2013	9	48,276,566			44,056,008	51,948,458	274333.0695
KPC	3.15	2013	10	43,997,918			40,465,855	48,358,306	-414162.7119
KPC	3.15	2013	11	47,248,280			42,827,148	50,719,599	474906.6788
KPC	3.15	2013	12	53,745,457			48,287,060	56,179,510	1512171.863
KPC	3.15	2014	1	54,345,856			51,242,605	59,135,056	-842974.5695
KPC	3.15	2014	2	53,308,064			51,622,938	59,515,389	-2261099.164
KPC	3.15	2014	3	54,161,288			47,015,114	54,907,564	3199949.062
KPC	3.15	2014	4	48,006,991			46,066,730	53,959,181	-2005964.696
KPC	3.15	2014	5	46,972,885			44,103,567	51,996,018	-1076907.584
KPC	3.15	2014	6	45,163,277			42,583,923	50,476,374	-1366871.711
KPC	3.15	2014	7	40,530,056			36,010,095	43,902,545	573736.1391
KPC	3.15	2014	8	42,789,384			39,218,256	47,110,707	-375097.7764
KPC	3.15	2014	9	43,536,878			39,741,522	47,633,973	-150869.7793
KPC	3.15	2014	10	43,415,677			38,019,607	45,912,058	1449844.512
KPC	3.15	2014	11	47,947,722			42,015,473	49,907,924	1986023.832
KPC	3.15	2014	12	53,629,878			49,884,861	57,777,312	-201208.522

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JURIS	revcls	YEAR	MONTH	KWH	USAGE	L95	U95	RESIDUAL	
KPC	3.15	2015	1	53,304,991			49,352,803	57,245,254	5962.188665
KPC	3.15	2015	2	49,216,455			47,832,954	55,725,405	-2562724.218
KPC	3.15	2015	3	49,328,604			45,117,681	53,010,131	264697.9411
KPC	3.15	2015	4	47,586,950			42,610,483	50,502,934	1030241.377
KPC	3.15	2015	5	41,156,461			37,373,987	45,266,438	-163751.851
KPC	3.15	2015	6	40,354,721			34,654,503	42,546,954	1753992.22
KPC	3.15	2015	7	36,191,041			30,654,131	38,546,582	1590684.733
KPC	3.15	2015	8	35,813,152			31,149,716	39,042,167	717210.8094
KPC	3.15	2015	9	36,505,707			33,516,457	41,408,908	-956975.6532
KPC	3.15	2015	10	35,759,514			31,207,140	39,099,590	606149.0873
KPC	3.15	2015	11	35,813,911			34,302,582	42,195,033	-2434896.815
KPC	3.15	2015	12	35,379,601			30,646,373	38,538,824	787002.1577
KPC	3.15	2016	1	37,076,139			33,681,709	41,574,159	-551794.8798
KPC	3.15	2016	2	33,983,320			31,095,319	38,987,770	-1058224.425
KPC	3.15	2016	3	34,247,311			29,796,853	37,689,303	504233.1307
KPC	3.15	2016	4	29,786,447			27,873,899	35,766,350	-2033677.223
KPC	3.15	2016	5	24,445,902			21,478,527	29,370,978	-978850.8492
KPC	3.15	2016	6	23,764,131			20,091,662	27,984,113	-273756.4895
KPC	3.15	2016	7	21,615,731			16,192,781	24,085,232	1476724.393
KPC	3.15	2016	8	21,757,201			18,581,934	26,474,385	-770958.3263
KPC	3.15	2016	9	22,882,603			19,711,648	27,604,098	-775270.0346
KPC	3.15	2016	10	22,948,728			18,868,570	26,761,021	139932.8284
KPC	3.15	2016	11	25,597,459			20,325,040	28,217,491	1326193.168
KPC	3.15	2016	12	31,893,889			29,636,397	37,528,847	-1688732.966
KPC	3.15	2017	1	32,963,958			29,766,770	37,659,221	-749037.2346
KPC	3.15	2017	2	31,786,740			27,562,327	35,454,778	278187.1978
KPC	3.15	2017	3	30,443,376			28,140,772	36,033,223	-1643621.625
KPC	3.15	2017	4	27,829,647			25,153,053	33,045,504	-1269631.839
KPC	3.15	2017	5	25,268,635			20,271,246	28,163,697	1051163.519
KPC	3.15	2017	6	25,344,727			19,436,514	27,328,965	1961987.574
KPC	3.15	2017	7	24,096,690			17,582,915	25,475,366	2567549.613
KPC	3.15	2017	8	24,746,963			19,588,038	27,480,488	1212700.034
KPC	3.15	2017	9	24,523,776			19,410,259	27,302,710	1167291.55
KPC	3.15	2017	10	23,829,220			17,625,070	25,517,521	2257924.731
KPC	3.15	2017	11	25,441,809			20,509,467	28,401,918	986116.5611
KPC	3.15	2017	12	30,597,885			26,830,684	34,723,135	-179024.6743

Kentucky Power Company
 Retail Energy Models Output Data

JURIS	revcls	YEAR	MONTH	KWH	USAGE	L95	U95	RESIDUAL	
KPC	3.15	2018	1	30,731,337			26,991,150	34,883,601	-206038.3145
KPC	3.15	2018	2	28,704,714			25,109,173	33,001,624	-350684.3815
KPC	3.15	2018	3	27,507,903			25,363,315	33,255,765	-1801636.985
KPC	3.15	2018	4	27,762,292			23,165,321	31,057,772	650745.2464
KPC	3.15	2018	5	24,834,008			20,391,808	28,284,258	495974.9065
KPC	3.15	2018	6	24,176,151			20,541,838	28,434,288	-311912.0263
KPC	3.15	2018	7	21,458,371			18,387,622	26,280,073	-875476.5303
KPC	3.15	2018	8	22,579,289			18,546,937	26,439,388	86126.70273
KPC	3.15	2018	9	23,090,143			19,049,647	26,942,098	94270.3605
KPC	3.15	2018	10	22,513,436			18,433,787	26,326,238	133423.3592
KPC	3.15	2018	11	24,982,724			21,988,524	29,880,975	-952025.5726
KPC	3.15	2018	12	29,153,856			25,992,500	33,884,951	-784869.6717
KPC	3.15	2019	1	29,418,133			27,015,117	34,907,567	-1543208.99
KPC	3.15	2019	2	28,849,829			24,903,603	32,796,054	
KPC	3.15	2019	3	29,213,952			25,046,087	33,381,816	
KPC	3.15	2019	4	27,949,527			23,756,822	32,142,233	
KPC	3.15	2019	5	24,855,121			20,659,557	29,050,686	
KPC	3.15	2019	6	23,523,515			19,006,498	28,040,533	
KPC	3.15	2019	7	20,835,643			16,173,220	25,498,067	
KPC	3.15	2019	8	21,863,801			17,163,950	26,563,652	
KPC	3.15	2019	9	22,452,089			17,744,552	27,159,627	
KPC	3.15	2019	10	21,599,742			16,828,178	26,371,306	
KPC	3.15	2019	11	23,834,143			19,056,516	28,611,769	
KPC	3.15	2019	12	29,274,012			24,484,253	34,063,770	
KPC	3.15	2020	1	29,747,935			24,952,492	34,543,377	
KPC	3.15	2020	2	28,661,593			23,336,501	33,986,685	
KPC	3.15	2020	3	25,486,522			20,117,994	30,855,051	
KPC	3.15	2020	4	23,972,002			18,602,838	29,341,166	
KPC	3.15	2020	5	20,515,019			15,145,345	25,884,693	
KPC	3.15	2020	6	19,582,339			14,186,853	24,977,826	
KPC	3.15	2020	7	17,142,770			11,726,217	22,559,323	
KPC	3.15	2020	8	18,143,767			12,723,585	23,563,949	
KPC	3.15	2020	9	18,731,415			13,311,120	24,151,711	
KPC	3.15	2020	10	18,057,014			12,616,970	23,497,058	
KPC	3.15	2020	11	20,300,962			14,860,676	25,741,248	
KPC	3.15	2020	12	25,686,375			20,245,091	31,127,659	

Kentucky Power Company
 Retail Energy Models Output Data

JURIS	revcls	YEAR	MONTH	KWH	USAGE	L95	U95	RESIDUAL
KPC	3.15	2021	1	26,155,348			20,713,828	31,596,869
KPC	3.15	2021	2	24,889,693			19,115,634	30,663,753
KPC	3.15	2021	3	24,790,503			18,981,762	30,599,244
KPC	3.15	2021	4	23,366,076			17,554,853	29,177,299
KPC	3.15	2021	5	19,995,841			14,184,510	25,807,173
KPC	3.15	2021	6	19,044,202			13,203,260	24,885,144
KPC	3.15	2021	7	16,594,442			10,734,067	22,454,818
KPC	3.15	2021	8	17,577,600			11,712,462	23,442,739
KPC	3.15	2021	9	18,116,465			12,250,544	23,982,387
KPC	3.15	2021	10	17,469,681			11,590,720	23,348,641
KPC	3.15	2021	11	19,718,033			13,838,587	25,597,480
KPC	3.15	2021	12	25,084,151			19,203,288	30,965,013
KPC	3.15	2022	1	25,548,491			19,667,002	31,429,979
KPC	3.15	2022	2					
KPC	3.15	2022	3					
KPC	3.15	2022	4					
KPC	3.15	2022	5					
KPC	3.15	2022	6					
KPC	3.15	2022	7					
KPC	3.15	2022	8					
KPC	3.15	2022	9					
KPC	3.15	2022	10					
KPC	3.15	2022	11					
KPC	3.15	2022	12					
KPC	4	2009	1		973,879			
KPC	4	2009	2		918,535			
KPC	4	2009	3		986,969			
KPC	4	2009	4		742,340			
KPC	4	2009	5		657,944			
KPC	4	2009	6		686,851			
KPC	4	2009	7		620,245			
KPC	4	2009	8		677,799			
KPC	4	2009	9		914,641			
KPC	4	2009	10		974,257			
KPC	4	2009	11		995,481			
KPC	4	2009	12		1,089,040			

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JURIS	revcls	YEAR	MONTH	KWH	USAGE	L95	U95	RESIDUAL
KPC	4	2010	1	901,763			794,696	874,700
KPC	4	2010	2	1,100,198			1,047,866	1,127,870
KPC	4	2010	3	904,182			925,272	1,005,276
KPC	4	2010	4	782,064			736,112	816,116
KPC	4	2010	5	706,019			675,963	755,966
KPC	4	2010	6	516,420			477,668	557,671
KPC	4	2010	7	861,115			764,614	844,617
KPC	4	2010	8	742,461			670,113	750,117
KPC	4	2010	9	786,798			779,916	859,920
KPC	4	2010	10	940,673			889,279	969,283
KPC	4	2010	11	1,027,887			1,004,359	1,084,363
KPC	4	2010	12	1,044,871			1,000,689	1,080,693
KPC	4	2011	1	993,127			980,662	1,060,666
KPC	4	2011	2	761,295			721,956	801,960
KPC	4	2011	3	1,035,107			1,004,338	1,084,341
KPC	4	2011	4	1,019,921			994,268	1,074,271
KPC	4	2011	5	709,717			643,406	723,409
KPC	4	2011	6	657,682			630,194	710,198
KPC	4	2011	7	631,615			617,149	697,153
KPC	4	2011	8	708,430			676,515	756,519
KPC	4	2011	9	854,288			814,467	894,471
KPC	4	2011	10	1,073,815			1,015,716	1,095,719
KPC	4	2011	11	1,026,425			990,747	1,070,751
KPC	4	2011	12	1,119,114			1,051,502	1,131,506
KPC	4	2012	1	1,112,174			1,035,935	1,115,939
KPC	4	2012	2	946,441			889,172	969,176
KPC	4	2012	3	931,483			850,465	930,468
KPC	4	2012	4	799,841			711,658	791,662
KPC	4	2012	5	717,805			688,332	768,336
KPC	4	2012	6	651,383			638,362	718,366
KPC	4	2012	7	686,310			665,180	745,184
KPC	4	2012	8	746,731			718,145	798,149
KPC	4	2012	9	836,800			777,118	857,121
KPC	4	2012	10	962,150			961,254	1,041,258
KPC	4	2012	11	1,018,817			1,023,257	1,103,261
KPC	4	2012	12	1,114,766			1,078,816	1,158,820

Kentucky Power Company
 Retail Energy Models Output Data

JURIS	revcls	YEAR	MONTH	KWH	USAGE	L95	U95	RESIDUAL
KPC	4	2013	1	1,121,564	1,149,117	1,069,114	1,149,117	12448.33813
KPC	4	2013	2	949,539	997,311	917,307	997,311	-7770.027956
KPC	4	2013	3	937,675	994,248	914,245	994,248	-16571.68355
KPC	4	2013	4	810,628	856,204	776,201	856,204	-5574.363701
KPC	4	2013	5	721,502	750,824	670,821	750,824	10679.66762
KPC	4	2013	6	660,153	701,612	621,608	701,612	-1457.199293
KPC	4	2013	7	690,673	762,840	682,836	762,840	-32164.73521
KPC	4	2013	8	759,430	799,266	719,263	799,266	165.5414311
KPC	4	2013	9	842,545	887,337	807,333	887,337	-4789.911024
KPC	4	2013	10	963,080	991,874	911,870	991,874	11208.07425
KPC	4	2013	11	1,024,112	1,060,768	980,765	1,060,768	3345.629718
KPC	4	2013	12	1,128,657	1,144,204	1,064,201	1,144,204	24454.31326
KPC	4	2014	1	1,123,713	1,143,413	1,063,409	1,143,413	20301.77319
KPC	4	2014	2	946,371	972,381	892,377	972,381	13991.83129
KPC	4	2014	3	934,962	981,549	901,545	981,549	-6585.262001
KPC	4	2014	4	794,135	832,434	752,430	832,434	1703.009179
KPC	4	2014	5	718,158	748,872	668,868	748,872	9288.214386
KPC	4	2014	6	652,025	692,905	612,902	692,905	-878.5871687
KPC	4	2014	7	678,569	715,105	635,102	715,105	3465.48291
KPC	4	2014	8	759,207	789,734	709,731	789,734	9474.383438
KPC	4	2014	9	814,061	861,091	781,087	861,091	-7027.858428
KPC	4	2014	10	954,261	990,214	910,210	990,214	4048.997017
KPC	4	2014	11	1,019,983	1,078,118	998,114	1,078,118	-18132.80016
KPC	4	2014	12	1,123,409	1,157,453	1,077,449	1,157,453	5957.954994
KPC	4	2015	1	1,118,280	1,169,959	1,089,956	1,169,959	-11677.68647
KPC	4	2015	2	941,928	979,809	899,805	979,809	2121.222626
KPC	4	2015	3	929,437	982,516	902,512	982,516	-13077.00989
KPC	4	2015	4	802,542	826,709	746,705	826,709	15834.86886
KPC	4	2015	5	708,804	761,491	681,487	761,491	-12684.77343
KPC	4	2015	6	637,572	676,782	596,779	676,782	791.6847888
KPC	4	2015	7	680,614	735,200	655,197	735,200	-14584.6003
KPC	4	2015	8	757,152	793,262	713,258	793,262	3891.731558
KPC	4	2015	9	835,882	854,734	774,730	854,734	21149.93053
KPC	4	2015	10	964,410	991,472	911,468	991,472	12939.75154
KPC	4	2015	11	1,014,059	1,048,176	968,173	1,048,176	5884.382277
KPC	4	2015	12	1,111,202	1,153,595	1,073,591	1,153,595	-2391.004487

Kentucky Power Company
 Retail Energy Models Output Data

JURIS	revcls	YEAR	MONTH	KWH	USAGE	L95	U95	RESIDUAL
KPC	4	2016	1	1,110,997	1,110,997	1,110,997	1,070,805	1,150,809
KPC	4	2016	2	935,748	935,748	935,748	906,670	986,674
KPC	4	2016	3	918,910	918,910	918,910	886,551	966,554
KPC	4	2016	4	792,836	792,836	792,836	762,911	842,915
KPC	4	2016	5	702,341	702,341	702,341	657,860	737,864
KPC	4	2016	6	638,996	638,996	638,996	595,244	675,247
KPC	4	2016	7	672,416	672,416	672,416	630,816	710,820
KPC	4	2016	8	749,918	749,918	749,918	715,935	795,939
KPC	4	2016	9	844,946	844,946	844,946	797,487	877,491
KPC	4	2016	10	951,868	951,868	951,868	930,796	1,010,800
KPC	4	2016	11	1,013,528	1,013,528	1,013,528	968,721	1,048,725
KPC	4	2016	12	1,108,751	1,108,751	1,108,751	1,087,781	1,167,785
KPC	4	2017	1	1,108,545	1,108,545	1,108,545	1,057,982	1,137,985
KPC	4	2017	2	935,689	935,689	935,689	899,645	979,649
KPC	4	2017	3	925,241	925,241	925,241	871,689	951,692
KPC	4	2017	4	789,862	789,862	789,862	755,103	835,106
KPC	4	2017	5	706,198	706,198	706,198	652,931	732,935
KPC	4	2017	6	642,733	642,733	642,733	601,982	681,986
KPC	4	2017	7	676,515	676,515	676,515	625,838	705,842
KPC	4	2017	8	749,050	749,050	749,050	707,468	787,472
KPC	4	2017	9	831,594	831,594	831,594	794,023	874,026
KPC	4	2017	10	949,815	949,815	949,815	904,904	984,907
KPC	4	2017	11	1,011,191	1,011,191	1,011,191	968,703	1,048,707
KPC	4	2017	12	1,105,533	1,105,533	1,105,533	1,055,506	1,135,510
KPC	4	2018	1	1,105,854	1,105,854	1,105,854	1,062,085	1,142,088
KPC	4	2018	2	934,669	934,669	934,669	884,217	964,221
KPC	4	2018	3	920,049	920,049	920,049	876,398	956,402
KPC	4	2018	4	796,521	796,521	796,521	740,501	820,505
KPC	4	2018	5	701,642	701,642	701,642	661,971	741,975
KPC	4	2018	6	644,760	644,760	644,760	592,427	672,431
KPC	4	2018	7	670,202	670,202	670,202	633,478	713,482
KPC	4	2018	8	745,266	745,266	745,266	695,493	775,496
KPC	4	2018	9	822,338	822,338	822,338	788,507	868,511
KPC	4	2018	10	930,459	930,459	930,459	898,152	978,156
KPC	4	2018	11	989,380	989,380	989,380	970,628	1,050,632
KPC	4	2018	12	1,084,094	1,084,094	1,084,094	1,063,888	1,143,891

Kentucky Power Company
 Retail Energy Models Output Data

JURIS	revcls	YEAR	MONTH	KWH	USAGE	L95	U95	RESIDUAL
KPC	4	2019	1	1,075,464	1,075,464	1,075,464	1,068,206	1,148,209
KPC	4	2019	2	939,686	939,686	939,686	899,684	979,687
KPC	4	2019	3	933,745	933,745	933,745	893,743	973,747
KPC	4	2019	4	782,533	782,533	782,533	734,359	830,706
KPC	4	2019	5	702,331	702,331	702,331	651,662	753,000
KPC	4	2019	6	652,743	652,743	652,743	602,011	703,476
KPC	4	2019	7	675,394	675,394	675,394	623,578	727,209
KPC	4	2019	8	754,657	754,657	754,657	702,247	807,066
KPC	4	2019	9	839,429	839,429	839,429	787,010	891,848
KPC	4	2019	10	932,627	932,627	932,627	877,414	987,840
KPC	4	2019	11	978,145	978,145	978,145	921,142	1,035,147
KPC	4	2019	12	1,079,900	1,079,900	1,079,900	1,022,272	1,137,529
KPC	4	2020	1	1,073,888	1,073,888	1,073,888	1,016,062	1,131,714
KPC	4	2020	2	933,418	933,418	933,418	865,985	1,000,851
KPC	4	2020	3	928,072	928,072	928,072	860,494	995,649
KPC	4	2020	4	776,231	776,231	776,231	704,130	848,332
KPC	4	2020	5	694,131	694,131	694,131	620,888	767,374
KPC	4	2020	6	641,327	641,327	641,327	567,981	714,672
KPC	4	2020	7	667,531	667,531	667,531	594,067	740,995
KPC	4	2020	8	754,927	754,927	754,927	679,683	830,171
KPC	4	2020	9	837,004	837,004	837,004	761,570	912,437
KPC	4	2020	10	928,144	928,144	928,144	850,208	1,006,079
KPC	4	2020	11	976,623	976,623	976,623	897,918	1,055,328
KPC	4	2020	12	1,077,752	1,077,752	1,077,752	998,809	1,156,694
KPC	4	2021	1	1,072,035	1,072,035	1,072,035	992,993	1,151,077
KPC	4	2021	2	932,091	932,091	932,091	845,430	1,018,752
KPC	4	2021	3	927,842	927,842	927,842	841,046	1,014,637
KPC	4	2021	4	774,869	774,869	774,869	683,844	865,895
KPC	4	2021	5	689,149	689,149	689,149	597,669	780,630
KPC	4	2021	6	637,529	637,529	637,529	546,028	729,030
KPC	4	2021	7	664,812	664,812	664,812	573,261	756,363
KPC	4	2021	8	750,814	750,814	750,814	658,080	843,549
KPC	4	2021	9	833,195	833,195	833,195	740,361	926,030
KPC	4	2021	10	924,127	924,127	924,127	829,298	1,018,955
KPC	4	2021	11	972,298	972,298	972,298	876,788	1,067,809
KPC	4	2021	12	1,073,062	1,073,062	1,073,062	977,359	1,168,765

Kentucky Power Company
 Retail Energy Models Output Data

JURIS	revcls	YEAR	MONTH	KWH	USAGE	L95	U95	RESIDUAL
KPC		4	2022	1	1,067,801			
KPC		4	2022	2				
KPC		4	2022	3				
KPC		4	2022	4				
KPC		4	2022	5				
KPC		4	2022	6				
KPC		4	2022	7				
KPC		4	2022	8				
KPC		4	2022	9				
KPC		4	2022	10				
KPC		4	2022	11				
KPC		4	2022	12				
							971,972	1,163,630

SHORT-TERM LARGE INDUSTRIAL

CONFIDENTIAL

SEE CONFIDENTIAL SECTION

SHORT-TERM MUNICIPALS

CONFIDENTIAL

SEE CONFIDENTIAL SECTION

LONG-TERM CUSTOMERS

The MEANS Procedure

Variable	Label	Mean
YEAR	YEAR	2027.50
MONTH	MONTH	6.500000
cr_kpc	Residential Customers	141611.11

Kentucky Power Company
Residential Customers
Endogenous Variables

Obs	YEAR	MONTH	cr_kpc
1	2001	1	144223
2	2001	2	144273
3	2001	3	144119
4	2001	4	143978
5	2001	5	143932
6	2001	6	143849
7	2001	7	143853
8	2001	8	143911
9	2001	9	144012
10	2001	10	144138
11	2001	11	144214
12	2001	12	144447
13	2002	1	144776
14	2002	2	144635
15	2002	3	144570
16	2002	4	144471
17	2002	5	144097
18	2002	6	144170
19	2002	7	144163
20	2002	8	144235
21	2002	9	144234
22	2002	10	144277
23	2002	11	144470
24	2002	12	144696
25	2003	1	144903
26	2003	2	144848
27	2003	3	144700
28	2003	4	144415
29	2003	5	144250
30	2003	6	144177
31	2003	7	144130
32	2003	8	144290
33	2003	9	144411
34	2003	10	144406
35	2003	11	144466
36	2003	12	144850
37	2004	1	145096
38	2004	2	144846
39	2004	3	144789
40	2004	4	144670
41	2004	5	144359
42	2004	6	144117
43	2004	7	144037
44	2004	8	144066
45	2004	9	144081
46	2004	10	144159
47	2004	11	144360
48	2004	12	144623
49	2005	1	144900
50	2005	2	144415

Kentucky Power Company
Residential Customers
Endogenous Variables

Obs	YEAR	MONTH	cr_kpc
51	2005	3	145259
52	2005	4	144955
53	2005	5	144302
54	2005	6	144342
55	2005	7	144274
56	2005	8	144231
57	2005	9	144191
58	2005	10	144223
59	2005	11	144419
60	2005	12	144641
61	2006	1	144830
62	2006	2	144530
63	2006	3	145013
64	2006	4	144560
65	2006	5	144258
66	2006	6	144120
67	2006	7	144118
68	2006	8	144248
69	2006	9	144269
70	2006	10	144313
71	2006	11	144545
72	2006	12	144554
73	2007	1	144815
74	2007	2	144843
75	2007	3	144494
76	2007	4	144179
77	2007	5	143841
78	2007	6	143743
79	2007	7	143666
80	2007	8	143970
81	2007	9	144118
82	2007	10	144087
83	2007	11	144181
84	2007	12	144542
85	2008	1	144825
86	2008	2	144690
87	2008	3	144365
88	2008	4	143988
89	2008	5	143799
90	2008	6	143710
91	2008	7	143789
92	2008	8	143832
93	2008	9	143855
94	2008	10	143884
95	2008	11	144121
96	2008	12	144407
97	2009	1	144472
98	2009	2	144302
99	2009	3	144126
100	2009	4	143754

Kentucky Power Company
Residential Customers
Endogenous Variables

Obs	YEAR	MONTH	cr_kpc
101	2009	5	143405
102	2009	6	143404
103	2009	7	143215
104	2009	8	143272
105	2009	9	143258
106	2009	10	143276
107	2009	11	143420
108	2009	12	143633
109	2010	1	143805
110	2010	2	143788
111	2010	3	143618
112	2010	4	143153
113	2010	5	142803
114	2010	6	142743
115	2010	7	142667
116	2010	8	142742
117	2010	9	142470
118	2010	10	142457
119	2010	11	142699
120	2010	12	142708
121	2011	1	143185
122	2011	2	142735
123	2011	3	142867
124	2011	4	142173
125	2011	5	141679
126	2011	6	141463
127	2011	7	141398
128	2011	8	141531
129	2011	9	141286
130	2011	10	141180
131	2011	11	141320
132	2011	12	141500
133	2012	1	141565
134	2012	2	141707
135	2012	3	141335
136	2012	4	140895
137	2012	5	140790
138	2012	6	140611
139	2012	7	140697
140	2012	8	140645
141	2012	9	140641
142	2012	10	140571
143	2012	11	140781
144	2012	12	140909
145	2013	1	141093
146	2013	2	140913
147	2013	3	140755
148	2013	4	140501
149	2013	5	140166
150	2013	6	139896

Kentucky Power Company
Residential Customers
Endogenous Variables

Obs	YEAR	MONTH	cr_kpc
151	2013	7	139651
152	2013	8	139694
153	2013	9	139623
154	2013	10	139665
155	2013	11	139889
156	2013	12	140119
157	2014	1	140271
158	2014	2	140091
159	2014	3	139931
160	2014	4	139255
161	2014	5	138875
162	2014	6	138595
163	2014	7	138447
164	2014	8	138262
165	2014	9	138304
166	2014	10	138245
167	2014	11	138492
168	2014	12	138726
169	2015	1	138726
170	2015	2	138781
171	2015	3	138747
172	2015	4	138064
173	2015	5	137608
174	2015	6	137535
175	2015	7	137529
176	2015	8	137572
177	2015	9	137565
178	2015	10	137600
179	2015	11	137679
180	2015	12	137921
181	2016	1	138019
182	2016	2	137998
183	2016	3	137583
184	2016	4	137293
185	2016	5	136978
186	2016	6	136721
187	2016	7	136599
188	2016	8	136648
189	2016	9	136648
190	2016	10	136374
191	2016	11	136515
192	2016	12	136781
193	2017	1	136772
194	2017	2	136525
195	2017	3	136455
196	2017	4	135945
197	2017	5	135797
198	2017	6	135604
199	2017	7	135510
200	2017	8	135496

Kentucky Power Company
Residential Customers
Endogenous Variables

Obs	YEAR	MONTH	cr_kpc
201	2017	9	135661
202	2017	10	135483
203	2017	11	135713
204	2017	12	135794
205	2018	1	135945
206	2018	2	135758
207	2018	3	135432
208	2018	4	135133
209	2018	5	134816
210	2018	6	134581
211	2018	7	134743
212	2018	8	134620
213	2018	9	134705
214	2018	10	134459
215	2018	11	134652
216	2018	12	134757
217	2019	1	.
218	2019	2	.
219	2019	3	.
220	2019	4	.
221	2019	5	.
222	2019	6	.
223	2019	7	.
224	2019	8	.
225	2019	9	.
226	2019	10	.
227	2019	11	.
228	2019	12	.
229	2020	1	.
230	2020	2	.
231	2020	3	.
232	2020	4	.
233	2020	5	.
234	2020	6	.
235	2020	7	.
236	2020	8	.
237	2020	9	.
238	2020	10	.
239	2020	11	.
240	2020	12	.
241	2021	1	.
242	2021	2	.
243	2021	3	.
244	2021	4	.
245	2021	5	.
246	2021	6	.
247	2021	7	.
248	2021	8	.
249	2021	9	.
250	2021	10	.

Kentucky Power Company
Residential Customers
Endogenous Variables

Obs	YEAR	MONTH	cr_kpc
251	2021	11	.
252	2021	12	.
253	2022	1	.
254	2022	2	.
255	2022	3	.
256	2022	4	.
257	2022	5	.
258	2022	6	.
259	2022	7	.
260	2022	8	.
261	2022	9	.
262	2022	10	.
263	2022	11	.
264	2022	12	.
265	2023	1	.
266	2023	2	.
267	2023	3	.
268	2023	4	.
269	2023	5	.
270	2023	6	.
271	2023	7	.
272	2023	8	.
273	2023	9	.
274	2023	10	.
275	2023	11	.
276	2023	12	.
277	2024	1	.
278	2024	2	.
279	2024	3	.
280	2024	4	.
281	2024	5	.
282	2024	6	.
283	2024	7	.
284	2024	8	.
285	2024	9	.
286	2024	10	.
287	2024	11	.
288	2024	12	.
289	2025	1	.
290	2025	2	.
291	2025	3	.
292	2025	4	.
293	2025	5	.
294	2025	6	.
295	2025	7	.
296	2025	8	.
297	2025	9	.
298	2025	10	.
299	2025	11	.
300	2025	12	.

Kentucky Power Company
Residential Customers
Endogenous Variables

Obs	YEAR	MONTH	cr_kpc
301	2026	1	.
302	2026	2	.
303	2026	3	.
304	2026	4	.
305	2026	5	.
306	2026	6	.
307	2026	7	.
308	2026	8	.
309	2026	9	.
310	2026	10	.
311	2026	11	.
312	2026	12	.
313	2027	1	.
314	2027	2	.
315	2027	3	.
316	2027	4	.
317	2027	5	.
318	2027	6	.
319	2027	7	.
320	2027	8	.
321	2027	9	.
322	2027	10	.
323	2027	11	.
324	2027	12	.
325	2028	1	.
326	2028	2	.
327	2028	3	.
328	2028	4	.
329	2028	5	.
330	2028	6	.
331	2028	7	.
332	2028	8	.
333	2028	9	.
334	2028	10	.
335	2028	11	.
336	2028	12	.
337	2029	1	.
338	2029	2	.
339	2029	3	.
340	2029	4	.
341	2029	5	.
342	2029	6	.
343	2029	7	.
344	2029	8	.
345	2029	9	.
346	2029	10	.
347	2029	11	.
348	2029	12	.
349	2030	1	.
350	2030	2	.

Kentucky Power Company
Residential Customers
Endogenous Variables

Obs	YEAR	MONTH	cr_kpc
351	2030	3	.
352	2030	4	.
353	2030	5	.
354	2030	6	.
355	2030	7	.
356	2030	8	.
357	2030	9	.
358	2030	10	.
359	2030	11	.
360	2030	12	.
361	2031	1	.
362	2031	2	.
363	2031	3	.
364	2031	4	.
365	2031	5	.
366	2031	6	.
367	2031	7	.
368	2031	8	.
369	2031	9	.
370	2031	10	.
371	2031	11	.
372	2031	12	.
373	2032	1	.
374	2032	2	.
375	2032	3	.
376	2032	4	.
377	2032	5	.
378	2032	6	.
379	2032	7	.
380	2032	8	.
381	2032	9	.
382	2032	10	.
383	2032	11	.
384	2032	12	.
385	2033	1	.
386	2033	2	.
387	2033	3	.
388	2033	4	.
389	2033	5	.
390	2033	6	.
391	2033	7	.
392	2033	8	.
393	2033	9	.
394	2033	10	.
395	2033	11	.
396	2033	12	.
397	2034	1	.
398	2034	2	.
399	2034	3	.
400	2034	4	.

Kentucky Power Company
Residential Customers
Endogenous Variables

Obs	YEAR	MONTH	cr_kpc
401	2034	5	.
402	2034	6	.
403	2034	7	.
404	2034	8	.
405	2034	9	.
406	2034	10	.
407	2034	11	.
408	2034	12	.
409	2035	1	.
410	2035	2	.
411	2035	3	.
412	2035	4	.
413	2035	5	.
414	2035	6	.
415	2035	7	.
416	2035	8	.
417	2035	9	.
418	2035	10	.
419	2035	11	.
420	2035	12	.
421	2036	1	.
422	2036	2	.
423	2036	3	.
424	2036	4	.
425	2036	5	.
426	2036	6	.
427	2036	7	.
428	2036	8	.
429	2036	9	.
430	2036	10	.
431	2036	11	.
432	2036	12	.
433	2037	1	.
434	2037	2	.
435	2037	3	.
436	2037	4	.
437	2037	5	.
438	2037	6	.
439	2037	7	.
440	2037	8	.
441	2037	9	.
442	2037	10	.
443	2037	11	.
444	2037	12	.
445	2038	1	.
446	2038	2	.
447	2038	3	.
448	2038	4	.
449	2038	5	.
450	2038	6	.

Kentucky Power Company
Residential Customers
Endogenous Variables

Obs	YEAR	MONTH	cr_kpc
451	2038	7	.
452	2038	8	.
453	2038	9	.
454	2038	10	.
455	2038	11	.
456	2038	12	.
457	2039	1	.
458	2039	2	.
459	2039	3	.
460	2039	4	.
461	2039	5	.
462	2039	6	.
463	2039	7	.
464	2039	8	.
465	2039	9	.
466	2039	10	.
467	2039	11	.
468	2039	12	.
469	2040	1	.
470	2040	2	.
471	2040	3	.
472	2040	4	.
473	2040	5	.
474	2040	6	.
475	2040	7	.
476	2040	8	.
477	2040	9	.
478	2040	10	.
479	2040	11	.
480	2040	12	.
481	2041	1	.
482	2041	2	.
483	2041	3	.
484	2041	4	.
485	2041	5	.
486	2041	6	.
487	2041	7	.
488	2041	8	.
489	2041	9	.
490	2041	10	.
491	2041	11	.
492	2041	12	.
493	2042	1	.
494	2042	2	.
495	2042	3	.
496	2042	4	.
497	2042	5	.
498	2042	6	.
499	2042	7	.
500	2042	8	.

Kentucky Power Company
Residential Customers
Endogenous Variables

Obs	YEAR	MONTH	cr_kpc
501	2042	9	.
502	2042	10	.
503	2042	11	.
504	2042	12	.
505	2043	1	.
506	2043	2	.
507	2043	3	.
508	2043	4	.
509	2043	5	.
510	2043	6	.
511	2043	7	.
512	2043	8	.
513	2043	9	.
514	2043	10	.
515	2043	11	.
516	2043	12	.
517	2044	1	.
518	2044	2	.
519	2044	3	.
520	2044	4	.
521	2044	5	.
522	2044	6	.
523	2044	7	.
524	2044	8	.
525	2044	9	.
526	2044	10	.
527	2044	11	.
528	2044	12	.
529	2045	1	.
530	2045	2	.
531	2045	3	.
532	2045	4	.
533	2045	5	.
534	2045	6	.
535	2045	7	.
536	2045	8	.
537	2045	9	.
538	2045	10	.
539	2045	11	.
540	2045	12	.
541	2046	1	.
542	2046	2	.
543	2046	3	.
544	2046	4	.
545	2046	5	.
546	2046	6	.
547	2046	7	.
548	2046	8	.
549	2046	9	.
550	2046	10	.

Kentucky Power Company
Residential Customers
Endogenous Variables

Obs	YEAR	MONTH	cr_kpc
551	2046	11	.
552	2046	12	.
553	2047	1	.
554	2047	2	.
555	2047	3	.
556	2047	4	.
557	2047	5	.
558	2047	6	.
559	2047	7	.
560	2047	8	.
561	2047	9	.
562	2047	10	.
563	2047	11	.
564	2047	12	.
565	2048	1	.
566	2048	2	.
567	2048	3	.
568	2048	4	.
569	2048	5	.
570	2048	6	.
571	2048	7	.
572	2048	8	.
573	2048	9	.
574	2048	10	.
575	2048	11	.
576	2048	12	.
577	2049	1	.
578	2049	2	.
579	2049	3	.
580	2049	4	.
581	2049	5	.
582	2049	6	.
583	2049	7	.
584	2049	8	.
585	2049	9	.
586	2049	10	.
587	2049	11	.
588	2049	12	.
589	2050	1	.
590	2050	2	.
591	2050	3	.
592	2050	4	.
593	2050	5	.
594	2050	6	.
595	2050	7	.
596	2050	8	.
597	2050	9	.
598	2050	10	.
599	2050	11	.
600	2050	12	.

Kentucky Power Company
Residential Customers
Endogenous Variables

Obs	YEAR	MONTH	cr_kpc
601	2051	1	.
602	2051	2	.
603	2051	3	.
604	2051	4	.
605	2051	5	.
606	2051	6	.
607	2051	7	.
608	2051	8	.
609	2051	9	.
610	2051	10	.
611	2051	11	.
612	2051	12	.
613	2052	1	.
614	2052	2	.
615	2052	3	.
616	2052	4	.
617	2052	5	.
618	2052	6	.
619	2052	7	.
620	2052	8	.
621	2052	9	.
622	2052	10	.
623	2052	11	.
624	2052	12	.
625	2053	1	.
626	2053	2	.
627	2053	3	.
628	2053	4	.
629	2053	5	.
630	2053	6	.
631	2053	7	.
632	2053	8	.
633	2053	9	.
634	2053	10	.
635	2053	11	.
636	2053	12	.
637	2054	1	.
638	2054	2	.
639	2054	3	.
640	2054	4	.
641	2054	5	.
642	2054	6	.
643	2054	7	.
644	2054	8	.
645	2054	9	.
646	2054	10	.
647	2054	11	.
648	2054	12	.

The MEANS Procedure

Variable	Label	Mean
YEAR	YEAR	2027.50
MONTH	MONTH	6.5000000
N_kpc	Service Area Population	404.3592630
hh_kpc	Service Area Households	168.1561201
d1	Binary Variable-January	0.0833333
d2	Binary Variable-February	0.0833333
d3	Binary Variable-March	0.0833333
d4	Binary Variable-April	0.0833333
d5	Binary Variable-May	0.0833333
d6	Binary Variable-June	0.0833333
d7	Binary Variable-July	0.0833333
d8	Binary Variable-August	0.0833333
d9	Binary Variable-September	0.0833333
d10	Binary Variable-October	0.0833333
d11	Binary Variable-November	0.0833333
dmar06	Binary Variable-March 2006	0.0015432
dmar05	Binary Variable-March 2005	0.0015432
dmay05	Binary Variable-May 2005	0.0015432

Kentucky Power Company
Residential Customers
Exogenous Variables

Obs	YEAR	MONTH	N_kpc	hh_kpc	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	dmar06	dmar05	dmay05
151	2013	7	423.529	169.136	0	0	0	0	0	0	1	0	0	0	0	0	0	0
152	2013	8	423.287	169.128	0	0	0	0	0	0	0	1	0	0	0	0	0	0
153	2013	9	423.048	169.120	0	0	0	0	0	0	0	0	1	0	0	0	0	0
154	2013	10	422.809	169.116	0	0	0	0	0	0	0	0	0	1	0	0	0	0
155	2013	11	422.572	169.109	0	0	0	0	0	0	0	0	0	0	1	0	0	0
156	2013	12	422.331	169.101	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	2014	1	422.083	169.085	1	0	0	0	0	0	0	0	0	0	0	0	0	0
158	2014	2	421.844	169.066	0	1	0	0	0	0	0	0	0	0	0	0	0	0
159	2014	3	421.597	169.038	0	0	1	0	0	0	0	0	0	0	0	0	0	0
160	2014	4	421.343	169.002	0	0	0	1	0	0	0	0	0	0	0	0	0	0
161	2014	5	421.076	168.958	0	0	0	0	1	0	0	0	0	0	0	0	0	0
162	2014	6	420.804	168.900	0	0	0	0	0	1	0	0	0	0	0	0	0	0
163	2014	7	420.524	168.831	0	0	0	0	0	0	1	0	0	0	0	0	0	0
164	2014	8	420.232	168.744	0	0	0	0	0	0	0	1	0	0	0	0	0	0
165	2014	9	419.933	168.651	0	0	0	0	0	0	0	0	1	0	0	0	0	0
166	2014	10	419.629	168.549	0	0	0	0	0	0	0	0	0	1	0	0	0	0
167	2014	11	419.321	168.440	0	0	0	0	0	0	0	0	0	0	1	0	0	0
168	2014	12	419.005	168.329	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169	2015	1	418.680	168.213	1	0	0	0	0	0	0	0	0	0	0	0	0	0
170	2015	2	418.369	168.102	0	1	0	0	0	0	0	0	0	0	0	0	0	0
171	2015	3	418.047	167.995	0	0	1	0	0	0	0	0	0	0	0	0	0	0
172	2015	4	417.719	167.888	0	0	0	1	0	0	0	0	0	0	0	0	0	0
173	2015	5	417.387	167.788	0	0	0	0	1	0	0	0	0	0	0	0	0	0
174	2015	6	417.051	167.698	0	0	0	0	0	1	0	0	0	0	0	0	0	0
175	2015	7	416.718	167.621	0	0	0	0	0	0	1	0	0	0	0	0	0	0
176	2015	8	416.381	167.550	0	0	0	0	0	0	0	1	0	0	0	0	0	0
177	2015	9	416.041	167.495	0	0	0	0	0	0	0	0	1	0	0	0	0	0
178	2015	10	415.698	167.440	0	0	0	0	0	0	0	0	0	1	0	0	0	0
179	2015	11	415.347	167.395	0	0	0	0	0	0	0	0	0	0	1	0	0	0
180	2015	12	414.986	167.346	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181	2016	1	414.606	167.294	1	0	0	0	0	0	0	0	0	0	0	0	0	0
182	2016	2	414.230	167.244	0	1	0	0	0	0	0	0	0	0	0	0	0	0
183	2016	3	413.834	167.185	0	0	1	0	0	0	0	0	0	0	0	0	0	0
184	2016	4	413.416	167.117	0	0	0	1	0	0	0	0	0	0	0	0	0	0
185	2016	5	412.979	167.034	0	0	0	0	1	0	0	0	0	0	0	0	0	0
186	2016	6	412.518	166.940	0	0	0	0	0	1	0	0	0	0	0	0	0	0
187	2016	7	412.032	166.828	0	0	0	0	0	0	1	0	0	0	0	0	0	0
188	2016	8	411.513	166.697	0	0	0	0	0	0	0	1	0	0	0	0	0	0
189	2016	9	410.991	166.553	0	0	0	0	0	0	0	0	1	0	0	0	0	0
190	2016	10	410.457	166.400	0	0	0	0	0	0	0	0	0	1	0	0	0	0
191	2016	11	409.921	166.237	0	0	0	0	0	0	0	0	0	0	1	0	0	0
192	2016	12	409.384	166.070	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193	2017	1	408.849	165.898	1	0	0	0	0	0	0	0	0	0	0	0	0	0
194	2017	2	408.350	165.736	0	1	0	0	0	0	0	0	0	0	0	0	0	0
195	2017	3	407.874	165.577	0	0	1	0	0	0	0	0	0	0	0	0	0	0
196	2017	4	407.403	165.420	0	0	0	1	0	0	0	0	0	0	0	0	0	0
197	2017	5	406.966	165.270	0	0	0	0	1	0	0	0	0	0	0	0	0	0
198	2017	6	406.568	165.137	0	0	0	0	0	1	0	0	0	0	0	0	0	0
199	2017	7	406.215	165.020	0	0	0	0	0	0	1	0	0	0	0	0	0	0
200	2017	8	405.899	164.916	0	0	0	0	0	0	0	1	0	0	0	0	0	0

Kentucky Power Company
Residential Customers
Exogenous Variables

Obs	YEAR	MONTH	N_kpc	hh_kpc	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	dmar06	dmar05	dmay05
201	2017	9	405.629	164.828	0	0	0	0	0	0	0	0	1	0	0	0	0	0
202	2017	10	405.402	164.758	0	0	0	0	0	0	0	0	0	1	0	0	0	0
203	2017	11	405.198	164.699	0	0	0	0	0	0	0	0	0	0	1	0	0	0
204	2017	12	405.024	164.651	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205	2018	1	404.867	164.613	1	0	0	0	0	0	0	0	0	0	0	0	0	0
206	2018	2	404.741	164.587	0	1	0	0	0	0	0	0	0	0	0	0	0	0
207	2018	3	404.622	164.566	0	0	1	0	0	0	0	0	0	0	0	0	0	0
208	2018	4	404.511	164.553	0	0	0	1	0	0	0	0	0	0	0	0	0	0
209	2018	5	404.401	164.542	0	0	0	0	1	0	0	0	0	0	0	0	0	0
210	2018	6	404.292	164.537	0	0	0	0	0	1	0	0	0	0	0	0	0	0
211	2018	7	404.180	164.532	0	0	0	0	0	0	1	0	0	0	0	0	0	0
212	2018	8	404.059	164.532	0	0	0	0	0	0	0	1	0	0	0	0	0	0
213	2018	9	403.934	164.530	0	0	0	0	0	0	0	0	1	0	0	0	0	0
214	2018	10	403.801	164.533	0	0	0	0	0	0	0	0	0	1	0	0	0	0
215	2018	11	403.666	164.539	0	0	0	0	0	0	0	0	0	0	1	0	0	0
216	2018	12	403.530	164.544	0	0	0	0	0	0	0	0	0	0	0	0	0	0
217	2019	1	403.392	164.549	1	0	0	0	0	0	0	0	0	0	0	0	0	0
218	2019	2	403.259	164.558	0	1	0	0	0	0	0	0	0	0	0	0	0	0
219	2019	3	403.128	164.569	0	0	1	0	0	0	0	0	0	0	0	0	0	0
220	2019	4	402.992	164.581	0	0	0	1	0	0	0	0	0	0	0	0	0	0
221	2019	5	402.862	164.595	0	0	0	0	1	0	0	0	0	0	0	0	0	0
222	2019	6	402.736	164.612	0	0	0	0	0	1	0	0	0	0	0	0	0	0
223	2019	7	402.616	164.631	0	0	0	0	0	0	1	0	0	0	0	0	0	0
224	2019	8	402.499	164.649	0	0	0	0	0	0	0	1	0	0	0	0	0	0
225	2019	9	402.391	164.672	0	0	0	0	0	0	0	0	1	0	0	0	0	0
226	2019	10	402.285	164.693	0	0	0	0	0	0	0	0	0	1	0	0	0	0
227	2019	11	402.183	164.716	0	0	0	0	0	0	0	0	0	0	1	0	0	0
228	2019	12	402.084	164.739	0	0	0	0	0	0	0	0	0	0	0	0	0	0
229	2020	1	401.988	164.763	1	0	0	0	0	0	0	0	0	0	0	0	0	0
230	2020	2	401.892	164.786	0	1	0	0	0	0	0	0	0	0	0	0	0	0
231	2020	3	401.799	164.809	0	0	1	0	0	0	0	0	0	0	0	0	0	0
232	2020	4	401.708	164.833	0	0	0	1	0	0	0	0	0	0	0	0	0	0
233	2020	5	401.614	164.852	0	0	0	0	1	0	0	0	0	0	0	0	0	0
234	2020	6	401.520	164.870	0	0	0	0	0	1	0	0	0	0	0	0	0	0
235	2020	7	401.424	164.888	0	0	0	0	0	0	1	0	0	0	0	0	0	0
236	2020	8	401.325	164.906	0	0	0	0	0	0	0	1	0	0	0	0	0	0
237	2020	9	401.223	164.919	0	0	0	0	0	0	0	0	1	0	0	0	0	0
238	2020	10	401.123	164.933	0	0	0	0	0	0	0	0	0	1	0	0	0	0
239	2020	11	401.022	164.945	0	0	0	0	0	0	0	0	0	0	1	0	0	0
240	2020	12	400.923	164.958	0	0	0	0	0	0	0	0	0	0	0	0	0	0
241	2021	1	400.821	164.970	1	0	0	0	0	0	0	0	0	0	0	0	0	0
242	2021	2	400.727	164.985	0	1	0	0	0	0	0	0	0	0	0	0	0	0
243	2021	3	400.633	164.998	0	0	1	0	0	0	0	0	0	0	0	0	0	0
244	2021	4	400.539	165.017	0	0	0	1	0	0	0	0	0	0	0	0	0	0
245	2021	5	400.449	165.033	0	0	0	0	1	0	0	0	0	0	0	0	0	0
246	2021	6	400.360	165.053	0	0	0	0	0	1	0	0	0	0	0	0	0	0
247	2021	7	400.277	165.077	0	0	0	0	0	0	1	0	0	0	0	0	0	0
248	2021	8	400.197	165.102	0	0	0	0	0	0	0	1	0	0	0	0	0	0
249	2021	9	400.121	165.132	0	0	0	0	0	0	0	0	1	0	0	0	0	0
250	2021	10	400.050	165.163	0	0	0	0	0	0	0	0	0	1	0	0	0	0

Kentucky Power Company
Residential Customers
Exogenous Variables

Obs	YEAR	MONTH	N_kpc	hh_kpc	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	dmar06	dmar05	dmay05
451	2038	7	392.788	167.886	0	0	0	0	0	0	1	0	0	0	0	0	0	0
452	2038	8	392.760	167.880	0	0	0	0	0	0	0	1	0	0	0	0	0	0
453	2038	9	392.737	167.875	0	0	0	0	0	0	0	0	1	0	0	0	0	0
454	2038	10	392.710	167.870	0	0	0	0	0	0	0	0	0	1	0	0	0	0
455	2038	11	392.686	167.867	0	0	0	0	0	0	0	0	0	0	1	0	0	0
456	2038	12	392.661	167.860	0	0	0	0	0	0	0	0	0	0	0	0	0	0
457	2039	1	392.636	167.854	1	0	0	0	0	0	0	0	0	0	0	0	0	0
458	2039	2	392.610	167.847	0	1	0	0	0	0	0	0	0	0	0	0	0	0
459	2039	3	392.587	167.844	0	0	1	0	0	0	0	0	0	0	0	0	0	0
460	2039	4	392.561	167.836	0	0	0	1	0	0	0	0	0	0	0	0	0	0
461	2039	5	392.535	167.832	0	0	0	0	1	0	0	0	0	0	0	0	0	0
462	2039	6	392.509	167.824	0	0	0	0	0	1	0	0	0	0	0	0	0	0
463	2039	7	392.482	167.821	0	0	0	0	0	0	1	0	0	0	0	0	0	0
464	2039	8	392.453	167.819	0	0	0	0	0	0	0	1	0	0	0	0	0	0
465	2039	9	392.428	167.811	0	0	0	0	0	0	0	0	1	0	0	0	0	0
466	2039	10	392.401	167.809	0	0	0	0	0	0	0	0	0	1	0	0	0	0
467	2039	11	392.373	167.806	0	0	0	0	0	0	0	0	0	0	1	0	0	0
468	2039	12	392.349	167.802	0	0	0	0	0	0	0	0	0	0	0	0	0	0
469	2040	1	392.317	167.801	1	0	0	0	0	0	0	0	0	0	0	0	0	0
470	2040	2	392.291	167.798	0	1	0	0	0	0	0	0	0	0	0	0	0	0
471	2040	3	392.263	167.795	0	0	1	0	0	0	0	0	0	0	0	0	0	0
472	2040	4	392.235	167.790	0	0	0	1	0	0	0	0	0	0	0	0	0	0
473	2040	5	392.207	167.789	0	0	0	0	1	0	0	0	0	0	0	0	0	0
474	2040	6	392.178	167.785	0	0	0	0	0	1	0	0	0	0	0	0	0	0
475	2040	7	392.151	167.782	0	0	0	0	0	0	1	0	0	0	0	0	0	0
476	2040	8	392.124	167.779	0	0	0	0	0	0	0	1	0	0	0	0	0	0
477	2040	9	392.093	167.777	0	0	0	0	0	0	0	0	1	0	0	0	0	0
478	2040	10	392.064	167.774	0	0	0	0	0	0	0	0	0	1	0	0	0	0
479	2040	11	392.036	167.767	0	0	0	0	0	0	0	0	0	0	1	0	0	0
480	2040	12	392.007	167.764	0	0	0	0	0	0	0	0	0	0	0	0	0	0
481	2041	1	391.979	167.759	1	0	0	0	0	0	0	0	0	0	0	0	0	0
482	2041	2	391.950	167.753	0	1	0	0	0	0	0	0	0	0	0	0	0	0
483	2041	3	391.923	167.750	0	0	1	0	0	0	0	0	0	0	0	0	0	0
484	2041	4	391.891	167.741	0	0	0	1	0	0	0	0	0	0	0	0	0	0
485	2041	5	391.863	167.738	0	0	0	0	1	0	0	0	0	0	0	0	0	0
486	2041	6	391.835	167.732	0	0	0	0	0	1	0	0	0	0	0	0	0	0
487	2041	7	391.803	167.725	0	0	0	0	0	0	1	0	0	0	0	0	0	0
488	2041	8	391.774	167.720	0	0	0	0	0	0	0	1	0	0	0	0	0	0
489	2041	9	391.744	167.713	0	0	0	0	0	0	0	0	1	0	0	0	0	0
490	2041	10	391.712	167.703	0	0	0	0	0	0	0	0	0	1	0	0	0	0
491	2041	11	391.681	167.697	0	0	0	0	0	0	0	0	0	0	1	0	0	0
492	2041	12	391.651	167.689	0	0	0	0	0	0	0	0	0	0	0	0	0	0
493	2042	1	391.620	167.680	1	0	0	0	0	0	0	0	0	0	0	0	0	0
494	2042	2	391.590	167.673	0	1	0	0	0	0	0	0	0	0	0	0	0	0
495	2042	3	391.559	167.666	0	0	1	0	0	0	0	0	0	0	0	0	0	0
496	2042	4	391.526	167.657	0	0	0	1	0	0	0	0	0	0	0	0	0	0
497	2042	5	391.494	167.651	0	0	0	0	1	0	0	0	0	0	0	0	0	0
498	2042	6	391.463	167.641	0	0	0	0	0	1	0	0	0	0	0	0	0	0
499	2042	7	391.433	167.636	0	0	0	0	0	0	1	0	0	0	0	0	0	0
500	2042	8	391.399	167.628	0	0	0	0	0	0	0	1	0	0	0	0	0	0

Kentucky Power Company
Residential Customers
Exogenous Variables

Obs	YEAR	MONTH	N_kpc	hh_kpc	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	dmar06	dmar05	dmay05
501	2042	9	391.364	167.620	0	0	0	0	0	0	0	0	1	0	0	0	0	0
502	2042	10	391.331	167.614	0	0	0	0	0	0	0	0	0	1	0	0	0	0
503	2042	11	391.298	167.608	0	0	0	0	0	0	0	0	0	0	1	0	0	0
504	2042	12	391.266	167.599	0	0	0	0	0	0	0	0	0	0	0	0	0	0
505	2043	1	391.231	167.595	1	0	0	0	0	0	0	0	0	0	0	0	0	0
506	2043	2	391.197	167.587	0	1	0	0	0	0	0	0	0	0	0	0	0	0
507	2043	3	391.164	167.583	0	0	1	0	0	0	0	0	0	0	0	0	0	0
508	2043	4	391.131	167.574	0	0	0	1	0	0	0	0	0	0	0	0	0	0
509	2043	5	391.094	167.566	0	0	0	0	1	0	0	0	0	0	0	0	0	0
510	2043	6	391.061	167.560	0	0	0	0	0	1	0	0	0	0	0	0	0	0
511	2043	7	391.028	167.551	0	0	0	0	0	0	1	0	0	0	0	0	0	0
512	2043	8	390.991	167.546	0	0	0	0	0	0	0	1	0	0	0	0	0	0
513	2043	9	390.955	167.537	0	0	0	0	0	0	0	0	1	0	0	0	0	0
514	2043	10	390.921	167.530	0	0	0	0	0	0	0	0	0	1	0	0	0	0
515	2043	11	390.885	167.522	0	0	0	0	0	0	0	0	0	0	1	0	0	0
516	2043	12	390.849	167.515	0	0	0	0	0	0	0	0	0	0	0	0	0	0
517	2044	1	390.814	167.508	1	0	0	0	0	0	0	0	0	0	0	0	0	0
518	2044	2	390.779	167.500	0	1	0	0	0	0	0	0	0	0	0	0	0	0
519	2044	3	390.742	167.494	0	0	1	0	0	0	0	0	0	0	0	0	0	0
520	2044	4	390.707	167.485	0	0	0	1	0	0	0	0	0	0	0	0	0	0
521	2044	5	390.669	167.478	0	0	0	0	1	0	0	0	0	0	0	0	0	0
522	2044	6	390.633	167.472	0	0	0	0	0	1	0	0	0	0	0	0	0	0
523	2044	7	390.597	167.465	0	0	0	0	0	0	1	0	0	0	0	0	0	0
524	2044	8	390.558	167.459	0	0	0	0	0	0	0	1	0	0	0	0	0	0
525	2044	9	390.522	167.455	0	0	0	0	0	0	0	0	1	0	0	0	0	0
526	2044	10	390.485	167.447	0	0	0	0	0	0	0	0	0	1	0	0	0	0
527	2044	11	390.447	167.443	0	0	0	0	0	0	0	0	0	0	1	0	0	0
528	2044	12	390.408	167.439	0	0	0	0	0	0	0	0	0	0	0	0	0	0
529	2045	1	390.371	167.432	1	0	0	0	0	0	0	0	0	0	0	0	0	0
530	2045	2	390.333	167.426	0	1	0	0	0	0	0	0	0	0	0	0	0	0
531	2045	3	390.294	167.421	0	0	1	0	0	0	0	0	0	0	0	0	0	0
532	2045	4	390.255	167.417	0	0	0	1	0	0	0	0	0	0	0	0	0	0
533	2045	5	390.217	167.409	0	0	0	0	1	0	0	0	0	0	0	0	0	0
534	2045	6	390.177	167.406	0	0	0	0	0	1	0	0	0	0	0	0	0	0
535	2045	7	390.136	167.397	0	0	0	0	0	0	1	0	0	0	0	0	0	0
536	2045	8	390.096	167.393	0	0	0	0	0	0	0	1	0	0	0	0	0	0
537	2045	9	390.053	167.387	0	0	0	0	0	0	0	0	1	0	0	0	0	0
538	2045	10	390.014	167.382	0	0	0	0	0	0	0	0	0	1	0	0	0	0
539	2045	11	389.972	167.374	0	0	0	0	0	0	0	0	0	0	1	0	0	0
540	2045	12	389.931	167.367	0	0	0	0	0	0	0	0	0	0	0	0	0	0
541	2046	1	389.886	167.359	1	0	0	0	0	0	0	0	0	0	0	0	0	0
542	2046	2	389.845	167.351	0	1	0	0	0	0	0	0	0	0	0	0	0	0
543	2046	3	389.807	167.345	0	0	1	0	0	0	0	0	0	0	0	0	0	0
544	2046	4	389.764	167.335	0	0	0	1	0	0	0	0	0	0	0	0	0	0
545	2046	5	389.721	167.327	0	0	0	0	1	0	0	0	0	0	0	0	0	0
546	2046	6	389.681	167.316	0	0	0	0	0	1	0	0	0	0	0	0	0	0
547	2046	7	389.638	167.309	0	0	0	0	0	0	1	0	0	0	0	0	0	0
548	2046	8	389.594	167.300	0	0	0	0	0	0	0	1	0	0	0	0	0	0
549	2046	9	389.552	167.290	0	0	0	0	0	0	0	0	1	0	0	0	0	0
550	2046	10	389.512	167.279	0	0	0	0	0	0	0	0	0	1	0	0	0	0

The SYSLIN Procedure
 Ordinary Least Squares Estimation

Model cr_kpc
 Dependent Variable cr_kpc
 Label Residential Customers

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	16	2.276E9	1.4225E8	9572.44	<.0001
Error	199	2957259	14860.60		
Corrected Total	215	2.279E9			

Root MSE 121.90404 R-Square 0.99870
 Dependent Mean 141611.106 Adj R-Sq 0.99860
 Coeff Var 0.08608

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variable Label
Intercept	1	-1167.05	397.0101	-2.94	0.0037	Intercept
cr1	1	0.985238	0.016160	60.97	<.0001	Residential Customers, Lagged
hhnindx	1	3523.737	2443.140	1.44	0.1508	Service Area Households- Population Index
d1	1	-28.1309	40.98603	-0.69	0.4933	Binary Variable-January
d2	1	-340.194	41.62120	-8.17	<.0001	Binary Variable-February
d3	1	-374.983	42.58116	-8.81	<.0001	Binary Variable-March
d4	1	-576.195	41.24198	-13.97	<.0001	Binary Variable-April
d5	1	-495.983	41.24285	-12.03	<.0001	Binary Variable-May
d6	1	-339.591	40.71933	-8.34	<.0001	Binary Variable-June
d7	1	-258.494	40.84461	-6.33	<.0001	Binary Variable-July
d8	1	-165.467	40.87359	-4.05	<.0001	Binary Variable-August
d9	1	-203.737	40.76598	-5.00	<.0001	Binary Variable-September
d10	1	-236.639	40.73615	-5.81	<.0001	Binary Variable-October

The SYSLIN Procedure
 Ordinary Least Squares Estimation

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variable Label
d11	1	-32.5366	40.74963	-0.80	0.4256	Binary Variable-November
dmay05	1	-373.884	126.1559	-2.96	0.0034	Binary Variable-May 2005
dmar05	1	994.1450	125.9247	7.89	<.0001	Binary Variable-March 2005
dmar06	1	640.3932	125.8422	5.09	<.0001	Binary Variable-March 2006

Durbin-Watson	2.42967
Number of Observations	216
First-Order Autocorrelation	-0.2228

Kentucky Power Company
Residential Customers
Model Residuals

time		Residual Values Sum
2001.000000	*****	-213.8277
2001.0833333	*****	152.5414
2001.1666667	*	-14.8305
2001.2500000	*****	198.0861
2001.3333333	*****	211.4582
2001.4166667	**	17.7258
2001.5000000	**	22.3163
2001.5833333	**	-17.0848
2001.6666667	*****	64.2859
2001.7500000	*****	122.5646
2001.8333333	*****	-130.9607
2001.9166667	*	-6.8609
2002.0000000	*****	122.6687
2002.0833333	***	-31.0185
2002.1666667	*****	77.0402
2002.2500000	*****	242.5497
2002.3333333	*****	-114.8554
2002.4166667	*****	169.4845
2002.5000000	*	8.6446
2002.5833333	*	-6.2996
2002.6666667	****	-40.7559
2002.7500000	****	35.3468
2002.8333333	**	-18.8417
2002.9166667	**	-16.2274
2003.0000000		-0.7845
2003.0833333	*****	52.8889
2003.1666667	*	-5.5231
2003.2500000	*****	57.1644
2003.3333333	*****	93.4844
2003.4166667	***	27.3912
2003.5000000	***	-28.1004
2003.5833333	*****	85.8271
2003.6666667	*****	88.0629
2003.7500000		-2.7214
2003.8333333	*****	-141.4223
2003.9166667	*****	151.3220
2004.0000000	*****	51.0200
2004.0833333	*****	-128.0089
2004.1666667	*****	97.2554
2004.2500000	*****	236.5978
2004.3333333	****	-36.5552
2004.4166667	*****	-127.9684
2004.5000000	*****	-50.4472
2004.5833333	****	-35.7803
2004.6666667	*	-11.4488
2004.7500000	*****	84.0425
2004.8333333		3.2806
2004.9166667	***	34.7844
2005.0000000	*****	83.3637

Kentucky Power Company
Residential Customers
Model Residuals

2005.0833333	*****	-362.4837
2005.1666667		0.0000
2005.2500000	*****	59.8167
2005.3333333		0.0000
2005.4166667	*****	153.0849
2005.5000000	****	-35.4216
2005.5833333	*****	-104.4526
2005.6666667	*****	-63.8169
2005.7500000	****	40.4942
2005.8333333		0.8646
2005.9166667		-2.7787
2006.0000000		-0.8056
2006.0833333	*****	-173.9621
2006.1666667		0.0000
2006.2500000	*****	-86.3477
2006.3333333	**	-21.4282
2006.4166667	**	-17.6237
2006.5000000	****	35.6342
2006.5833333	*****	74.7815
2006.6666667	*	5.9812
2006.7500000	*****	61.9798
2006.8333333	*****	46.2115
2006.9166667	*****	-206.3308
2007.0000000	*****	77.0092
2007.0833333	*****	160.4262
2007.1666667	*****	-180.8995
2007.2500000	*****	49.5899
2007.3333333	*****	-57.8661
2007.4166667	**	21.0748
2007.5000000	****	-40.2886
2007.5833333	*****	246.6893
2007.6666667	*****	133.5214
2007.7500000	*	-10.4324
2007.8333333	*****	-90.0551
2007.9166667	*****	145.6816
2008.0000000	*****	104.5791
2008.0833333		3.6968
2008.1666667	*****	-152.6193
2008.2500000	*	-7.4131
2008.3333333	*****	95.5713
2008.4166667	****	37.0084
2008.5000000	*****	123.0450
2008.5833333		-4.5003
2008.6666667	*	14.6062
2008.7500000	*****	53.8762
2008.8333333	*****	58.1552
2008.9166667	*****	78.0079
2009.0000000	*****	-107.2117
2009.0833333	***	-28.3276
2009.1666667		-1.2055
2009.2500000		2.2305
2009.3333333	*****	-59.6809

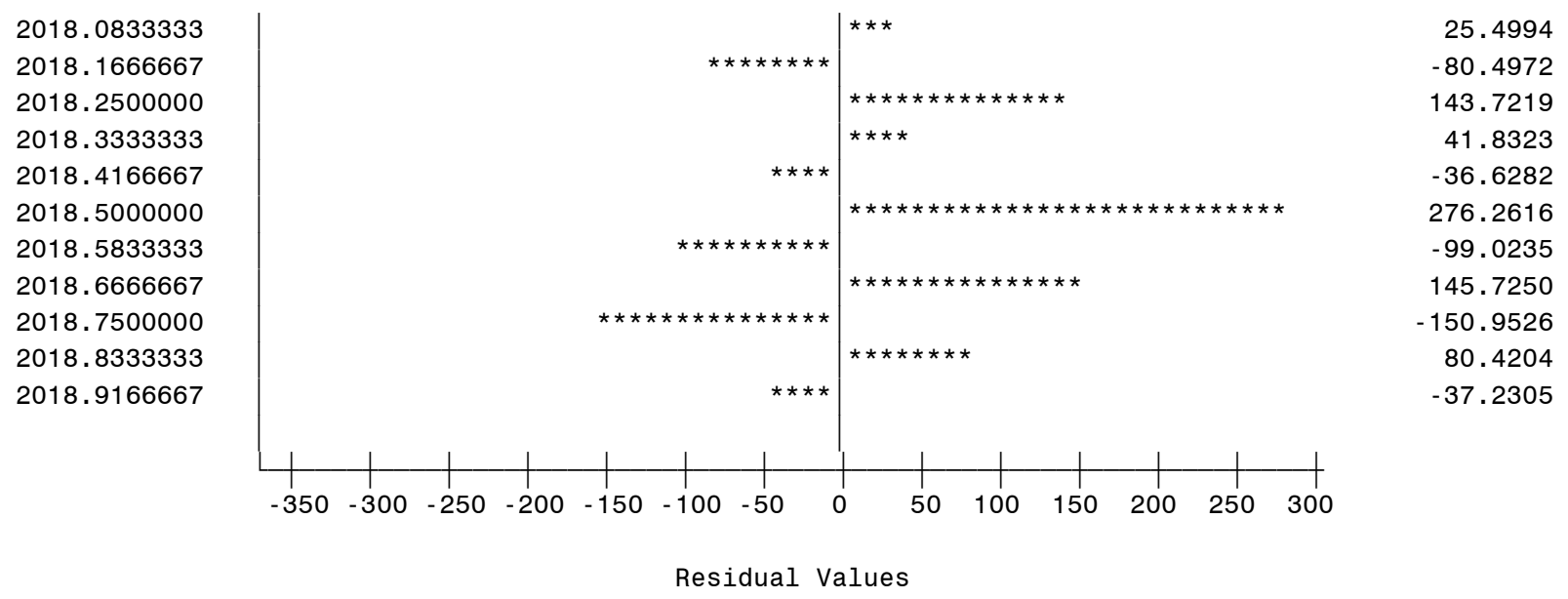
Kentucky Power Company
Residential Customers
Model Residuals

2009.4166667		*****	127.4886
2009.5000000	*****		-141.0339
2009.5833333		*	9.6362
2009.6666667		**	-21.8432
2009.7500000		****	43.1008
2009.8333333		***	-34.5657
2009.9166667			4.1313
2010.0000000			-2.0225
2010.0833333		*****	124.5467
2010.1666667		*	6.9761
2010.2500000	*****		-88.5526
2010.3333333	*****		-59.9974
2010.4166667		*****	68.8609
2010.5000000		***	-28.9481
2010.5833333		***	27.8216
2010.6666667	*****		-280.0631
2010.7500000		*	7.3803
2010.8333333		*****	57.5813
2010.9166667	*****		-204.9716
2011.0000000		*****	294.2588
2011.0833333	*****		-313.1434
2011.1666667		*****	297.5423
2011.2500000	*****		-324.6718
2011.3333333	*****		-214.4273
2011.4166667	*****		-99.2968
2011.5000000		***	-31.7344
2011.5833333		*****	73.2063
2011.6666667	*****		-263.5207
2011.7500000	*****		-94.2151
2011.8333333		*****	-52.7387
2011.9166667		****	-42.0511
2012.0000000	*****		-121.4996
2012.0833333		*****	270.7817
2012.1666667	*****		-204.0866
2012.2500000	*****		-74.1145
2012.3333333		*****	176.3786
2012.4166667		*****	-53.5259
2012.5000000		*****	129.5531
2012.5833333	*****		-98.5544
2012.6666667		*	-11.5536
2012.7500000		****	-43.4738
2012.8333333		***	32.5436
2012.9166667	*****		-77.8985
2013.0000000		*	12.5780
2013.0833333		***	-34.8534
2013.1666667		**	20.9974
2013.2500000		*****	125.5848
2013.3333333		****	-37.8290
2013.4166667	*****		-132.7296
2013.5000000	*****		-191.5834
2013.5833333			0.8631
2013.6666667	*****		-73.2534

Kentucky Power Company
Residential Customers
Model Residuals

2013.750000		*****	72.4046
2013.8333333		*****	51.6763
2013.9166667		***	29.1455
2014.000000		*	-13.1033
2014.0833333		***	-29.0928
2014.1666667		**	24.8055
2014.250000	*****		-290.5562
2014.3333333	*****		-82.9057
2014.4166667	*****		-143.0447
2014.500000	*****		-94.4814
2014.5833333	*****		-224.8604
2014.6666667		****	39.4932
2014.750000		***	-26.2408
2014.8333333		*****	76.5386
2014.9166667		****	36.3760
2015.000000	*****		-160.8134
2015.0833333		*****	208.8959
2015.1666667		*****	158.1497
2015.250000	*****		-287.5167
2015.3333333	*****		-148.2716
2015.4166667		*****	74.0239
2015.500000		*****	61.0003
2015.5833333		**	18.8929
2015.6666667		*	9.6400
2015.750000		*****	86.1487
2015.8333333	*****		-71.7913
2015.9166667		*****	61.4826
2016.000000		*****	-45.6527
2016.0833333		*****	151.5361
2016.1666667	*****		-205.1723
2016.250000		*****	117.8419
2016.3333333		*	11.4062
2016.4166667	*****		-88.4622
2016.500000		****	-35.1065
2016.5833333		****	44.4819
2016.6666667		****	37.8912
2016.750000	*****		-199.8174
2016.8333333		*	10.4402
2016.9166667		*****	108.3373
2017.000000	*****		-127.8858
2017.0833333		*****	-49.9226
2017.1666667		*****	162.0673
2017.250000	*****		-74.0112
2017.3333333		*****	203.6858
2017.4166667			3.1365
2017.500000		**	20.6905
2017.5833333		*	8.3560
2017.6666667		*****	227.0486
2017.750000	*****		-79.4850
2017.8333333		*****	122.6633
2017.9166667		*****	-54.9191
2018.000000		*****	48.1293

Kentucky Power Company
Residential Customers
Model Residuals



The SIMLIN Procedure

Inverse Coefficient Matrix for Endogenous Variables

Variable	cr_kpc
cr_kpc	1.0000

Reduced Form for Lagged Endogenous Variables

Variable	cr1
cr_kpc	0.9852

Reduced Form for Exogenous Variables

Variable	hhnindx	d1	d2	d3	d4	d5	d6	d7
cr_kpc	3524	-28.1309	-340.1944	-374.9827	-576.1954	-495.9826	-339.5907	-258.4938

Reduced Form for Exogenous Variables

Variable	d8	d9	d10	d11	dmay05	dmar05	dmar06	Intercept
cr_kpc	-165.4666	-203.7371	-236.6386	-32.5366	-373.8837	994.1450	640.3932	-1167

The SIMLIN Procedure

Fit Statistics

Variable	N	Mean Error	Mean Pct Error	Mean Abs Error	Mean Abs Pct Error	RMS Error	RMS Pct Error	Label
cr_kpc	216	9.0944	-0.002737	633.6367	0.44860	702.8344	0.4995	Residential Customers

Kentucky Power Company
Residential Customers
Actual and Forecast

Year	Residential Customers	Growth Rate
2001	144079.08	.
2002	144399.50	0.2
2003	144487.17	0.1
2004	144433.58	0.0
2005	144512.67	0.1
2006	144446.50	0.0
2007	144206.58	-0.2
2008	144105.42	-0.1
2009	143628.08	-0.3
2010	142971.08	-0.5
2011	141859.75	-0.8
2012	140928.92	-0.7
2013	140163.75	-0.5
2014	138957.83	-0.9
2015	137943.92	-0.7
2016	137013.08	-0.7
2017	135896.25	-0.8
2018	134966.75	-0.7
2019	133772.97	-0.9
2020	132565.04	-0.9
2021	131492.63	-0.8
2022	130551.62	-0.7
2023	129741.60	-0.6
2024	129045.83	-0.5
2025	128450.20	-0.5
2026	127937.24	-0.4
2027	127490.76	-0.3
2028	127097.24	-0.3
2029	126746.01	-0.3
2030	126431.39	-0.2
2031	126148.64	-0.2
2032	125894.28	-0.2
2033	125668.03	-0.2
2034	125464.67	-0.2
2035	125278.55	-0.1
2036	125107.10	-0.1
2037	124945.89	-0.1
2038	124791.01	-0.1
2039	124639.09	-0.1
2040	124488.14	-0.1
2041	124337.00	-0.1
2042	124182.49	-0.1
2043	124022.59	-0.1
2044	123856.40	-0.1
2045	123683.80	-0.1
2046	123503.41	-0.1
2047	123312.95	-0.2
2048	123112.46	-0.2
2049	122903.39	-0.2

Kentucky Power Company
Residential Customers
Actual and Forecast

Year	Residential Customers	Growth Rate
2050	122687.33	-0.2
2051	122465.59	-0.2
2052	122239.29	-0.2
2053	122009.35	-0.2
2054	121776.55	-0.2

The MEANS Procedure

Variable	Label	Mean
YEAR	YEAR	2026.50
MONTH	MONTH	6.500000
cc_kpc	Commercial Customers	29081.81

KENTUCKY POWER COMPANY
COMMERCIAL CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	cc_kpc
1	1999	1	.
2	1999	2	.
3	1999	3	.
4	1999	4	.
5	1999	5	.
6	1999	6	.
7	1999	7	.
8	1999	8	.
9	1999	9	.
10	1999	10	.
11	1999	11	.
12	1999	12	.
13	2000	1	25331
14	2000	2	25282
15	2000	3	25311
16	2000	4	25327
17	2000	5	25431
18	2000	6	25460
19	2000	7	25553
20	2000	8	25605
21	2000	9	25597
22	2000	10	25596
23	2000	11	25750
24	2000	12	25765
25	2001	1	25718
26	2001	2	25785
27	2001	3	25748
28	2001	4	25819
29	2001	5	25876
30	2001	6	25911
31	2001	7	25942
32	2001	8	25971
33	2001	9	26078
34	2001	10	26151
35	2001	11	26236
36	2001	12	26356
37	2002	1	26454
38	2002	2	26430
39	2002	3	26967
40	2002	4	26499
41	2002	5	26568
42	2002	6	26594
43	2002	7	26774
44	2002	8	26798
45	2002	9	26840
46	2002	10	26773
47	2002	11	26847
48	2002	12	26903
49	2003	1	26893
50	2003	2	26858

KENTUCKY POWER COMPANY
COMMERCIAL CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	cc_kpc
51	2003	3	26904
52	2003	4	26912
53	2003	5	26961
54	2003	6	27000
55	2003	7	27038
56	2003	8	27940
57	2003	9	27992
58	2003	10	28029
59	2003	11	28046
60	2003	12	28110
61	2004	1	28131
62	2004	2	28104
63	2004	3	28127
64	2004	4	28166
65	2004	5	28189
66	2004	6	28233
67	2004	7	28321
68	2004	8	28361
69	2004	9	28421
70	2004	10	28472
71	2004	11	28442
72	2004	12	28496
73	2005	1	28555
74	2005	2	28492
75	2005	3	28726
76	2005	4	28742
77	2005	5	28820
78	2005	6	28921
79	2005	7	28896
80	2005	8	28995
81	2005	9	29068
82	2005	10	29079
83	2005	11	29040
84	2005	12	29064
85	2006	1	29121
86	2006	2	29047
87	2006	3	29187
88	2006	4	29148
89	2006	5	29245
90	2006	6	29278
91	2006	7	29279
92	2006	8	29339
93	2006	9	29384
94	2006	10	29597
95	2006	11	29433
96	2006	12	29354
97	2007	1	29460
98	2007	2	29416
99	2007	3	29460
100	2007	4	29427

KENTUCKY POWER COMPANY
COMMERCIAL CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	cc_kpc
101	2007	5	29570
102	2007	6	29678
103	2007	7	29736
104	2007	8	29828
105	2007	9	29876
106	2007	10	29925
107	2007	11	29935
108	2007	12	29922
109	2008	1	29969
110	2008	2	29955
111	2008	3	29975
112	2008	4	30023
113	2008	5	30069
114	2008	6	30080
115	2008	7	29341
116	2008	8	29387
117	2008	9	29479
118	2008	10	29482
119	2008	11	29453
120	2008	12	29540
121	2009	1	29552
122	2009	2	29486
123	2009	3	29604
124	2009	4	29479
125	2009	5	29457
126	2009	6	29567
127	2009	7	29524
128	2009	8	29559
129	2009	9	29581
130	2009	10	29614
131	2009	11	29595
132	2009	12	29635
133	2010	1	29670
134	2010	2	29652
135	2010	3	29669
136	2010	4	29699
137	2010	5	29710
138	2010	6	29863
139	2010	7	29814
140	2010	8	29867
141	2010	9	29864
142	2010	10	29878
143	2010	11	29971
144	2010	12	29828
145	2011	1	30017
146	2011	2	29782
147	2011	3	29964
148	2011	4	29852
149	2011	5	29900
150	2011	6	29936

KENTUCKY POWER COMPANY
COMMERCIAL CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	cc_kpc
151	2011	7	29908
152	2011	8	30057
153	2011	9	30031
154	2011	10	30047
155	2011	11	30046
156	2011	12	30032
157	2012	1	30029
158	2012	2	29991
159	2012	3	29891
160	2012	4	29979
161	2012	5	30000
162	2012	6	30057
163	2012	7	30096
164	2012	8	30111
165	2012	9	30146
166	2012	10	30087
167	2012	11	30157
168	2012	12	30165
169	2013	1	30181
170	2013	2	30147
171	2013	3	30078
172	2013	4	30102
173	2013	5	30159
174	2013	6	30190
175	2013	7	30215
176	2013	8	30252
177	2013	9	30824
178	2013	10	30381
179	2013	11	30296
180	2013	12	30359
181	2014	1	30419
182	2014	2	30347
183	2014	3	30382
184	2014	4	30320
185	2014	5	30342
186	2014	6	30337
187	2014	7	30388
188	2014	8	30373
189	2014	9	30463
190	2014	10	30448
191	2014	11	30411
192	2014	12	30412
193	2015	1	30428
194	2015	2	30401
195	2015	3	30457
196	2015	4	30405
197	2015	5	30390
198	2015	6	30504
199	2015	7	30611
200	2015	8	30595

KENTUCKY POWER COMPANY
COMMERCIAL CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	cc_kpc
201	2015	9	30499
202	2015	10	30444
203	2015	11	30370
204	2015	12	30397
205	2016	1	30328
206	2016	2	30339
207	2016	3	30261
208	2016	4	30243
209	2016	5	30252
210	2016	6	30305
211	2016	7	30300
212	2016	8	30322
213	2016	9	30365
214	2016	10	30315
215	2016	11	30237
216	2016	12	30243
217	2017	1	30198
218	2017	2	30147
219	2017	3	30188
220	2017	4	30137
221	2017	5	30213
222	2017	6	30221
223	2017	7	30272
224	2017	8	30232
225	2017	9	30249
226	2017	10	30221
227	2017	11	30230
228	2017	12	30209
229	2018	1	30281
230	2018	2	30154
231	2018	3	30095
232	2018	4	30101
233	2018	5	30151
234	2018	6	30149
235	2018	7	30200
236	2018	8	30239
237	2018	9	30221
238	2018	10	30141
239	2018	11	30132
240	2018	12	30027
241	2019	1	.
242	2019	2	.
243	2019	3	.
244	2019	4	.
245	2019	5	.
246	2019	6	.
247	2019	7	.
248	2019	8	.
249	2019	9	.
250	2019	10	.

KENTUCKY POWER COMPANY
COMMERCIAL CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	cc_kpc
251	2019	11	.
252	2019	12	.
253	2020	1	.
254	2020	2	.
255	2020	3	.
256	2020	4	.
257	2020	5	.
258	2020	6	.
259	2020	7	.
260	2020	8	.
261	2020	9	.
262	2020	10	.
263	2020	11	.
264	2020	12	.
265	2021	1	.
266	2021	2	.
267	2021	3	.
268	2021	4	.
269	2021	5	.
270	2021	6	.
271	2021	7	.
272	2021	8	.
273	2021	9	.
274	2021	10	.
275	2021	11	.
276	2021	12	.
277	2022	1	.
278	2022	2	.
279	2022	3	.
280	2022	4	.
281	2022	5	.
282	2022	6	.
283	2022	7	.
284	2022	8	.
285	2022	9	.
286	2022	10	.
287	2022	11	.
288	2022	12	.
289	2023	1	.
290	2023	2	.
291	2023	3	.
292	2023	4	.
293	2023	5	.
294	2023	6	.
295	2023	7	.
296	2023	8	.
297	2023	9	.
298	2023	10	.
299	2023	11	.
300	2023	12	.

KENTUCKY POWER COMPANY
COMMERCIAL CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	cc_kpc
301	2024	1	.
302	2024	2	.
303	2024	3	.
304	2024	4	.
305	2024	5	.
306	2024	6	.
307	2024	7	.
308	2024	8	.
309	2024	9	.
310	2024	10	.
311	2024	11	.
312	2024	12	.
313	2025	1	.
314	2025	2	.
315	2025	3	.
316	2025	4	.
317	2025	5	.
318	2025	6	.
319	2025	7	.
320	2025	8	.
321	2025	9	.
322	2025	10	.
323	2025	11	.
324	2025	12	.
325	2026	1	.
326	2026	2	.
327	2026	3	.
328	2026	4	.
329	2026	5	.
330	2026	6	.
331	2026	7	.
332	2026	8	.
333	2026	9	.
334	2026	10	.
335	2026	11	.
336	2026	12	.
337	2027	1	.
338	2027	2	.
339	2027	3	.
340	2027	4	.
341	2027	5	.
342	2027	6	.
343	2027	7	.
344	2027	8	.
345	2027	9	.
346	2027	10	.
347	2027	11	.
348	2027	12	.
349	2028	1	.
350	2028	2	.

KENTUCKY POWER COMPANY
COMMERCIAL CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	cc_kpc
351	2028	3	.
352	2028	4	.
353	2028	5	.
354	2028	6	.
355	2028	7	.
356	2028	8	.
357	2028	9	.
358	2028	10	.
359	2028	11	.
360	2028	12	.
361	2029	1	.
362	2029	2	.
363	2029	3	.
364	2029	4	.
365	2029	5	.
366	2029	6	.
367	2029	7	.
368	2029	8	.
369	2029	9	.
370	2029	10	.
371	2029	11	.
372	2029	12	.
373	2030	1	.
374	2030	2	.
375	2030	3	.
376	2030	4	.
377	2030	5	.
378	2030	6	.
379	2030	7	.
380	2030	8	.
381	2030	9	.
382	2030	10	.
383	2030	11	.
384	2030	12	.
385	2031	1	.
386	2031	2	.
387	2031	3	.
388	2031	4	.
389	2031	5	.
390	2031	6	.
391	2031	7	.
392	2031	8	.
393	2031	9	.
394	2031	10	.
395	2031	11	.
396	2031	12	.
397	2032	1	.
398	2032	2	.
399	2032	3	.
400	2032	4	.

KENTUCKY POWER COMPANY
COMMERCIAL CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	cc_kpc
401	2032	5	.
402	2032	6	.
403	2032	7	.
404	2032	8	.
405	2032	9	.
406	2032	10	.
407	2032	11	.
408	2032	12	.
409	2033	1	.
410	2033	2	.
411	2033	3	.
412	2033	4	.
413	2033	5	.
414	2033	6	.
415	2033	7	.
416	2033	8	.
417	2033	9	.
418	2033	10	.
419	2033	11	.
420	2033	12	.
421	2034	1	.
422	2034	2	.
423	2034	3	.
424	2034	4	.
425	2034	5	.
426	2034	6	.
427	2034	7	.
428	2034	8	.
429	2034	9	.
430	2034	10	.
431	2034	11	.
432	2034	12	.
433	2035	1	.
434	2035	2	.
435	2035	3	.
436	2035	4	.
437	2035	5	.
438	2035	6	.
439	2035	7	.
440	2035	8	.
441	2035	9	.
442	2035	10	.
443	2035	11	.
444	2035	12	.
445	2036	1	.
446	2036	2	.
447	2036	3	.
448	2036	4	.
449	2036	5	.
450	2036	6	.

KENTUCKY POWER COMPANY
COMMERCIAL CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	cc_kpc
451	2036	7	.
452	2036	8	.
453	2036	9	.
454	2036	10	.
455	2036	11	.
456	2036	12	.
457	2037	1	.
458	2037	2	.
459	2037	3	.
460	2037	4	.
461	2037	5	.
462	2037	6	.
463	2037	7	.
464	2037	8	.
465	2037	9	.
466	2037	10	.
467	2037	11	.
468	2037	12	.
469	2038	1	.
470	2038	2	.
471	2038	3	.
472	2038	4	.
473	2038	5	.
474	2038	6	.
475	2038	7	.
476	2038	8	.
477	2038	9	.
478	2038	10	.
479	2038	11	.
480	2038	12	.
481	2039	1	.
482	2039	2	.
483	2039	3	.
484	2039	4	.
485	2039	5	.
486	2039	6	.
487	2039	7	.
488	2039	8	.
489	2039	9	.
490	2039	10	.
491	2039	11	.
492	2039	12	.
493	2040	1	.
494	2040	2	.
495	2040	3	.
496	2040	4	.
497	2040	5	.
498	2040	6	.
499	2040	7	.
500	2040	8	.

KENTUCKY POWER COMPANY
COMMERCIAL CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	cc_kpc
501	2040	9	.
502	2040	10	.
503	2040	11	.
504	2040	12	.
505	2041	1	.
506	2041	2	.
507	2041	3	.
508	2041	4	.
509	2041	5	.
510	2041	6	.
511	2041	7	.
512	2041	8	.
513	2041	9	.
514	2041	10	.
515	2041	11	.
516	2041	12	.
517	2042	1	.
518	2042	2	.
519	2042	3	.
520	2042	4	.
521	2042	5	.
522	2042	6	.
523	2042	7	.
524	2042	8	.
525	2042	9	.
526	2042	10	.
527	2042	11	.
528	2042	12	.
529	2043	1	.
530	2043	2	.
531	2043	3	.
532	2043	4	.
533	2043	5	.
534	2043	6	.
535	2043	7	.
536	2043	8	.
537	2043	9	.
538	2043	10	.
539	2043	11	.
540	2043	12	.
541	2044	1	.
542	2044	2	.
543	2044	3	.
544	2044	4	.
545	2044	5	.
546	2044	6	.
547	2044	7	.
548	2044	8	.
549	2044	9	.
550	2044	10	.

KENTUCKY POWER COMPANY
COMMERCIAL CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	cc_kpc
551	2044	11	.
552	2044	12	.
553	2045	1	.
554	2045	2	.
555	2045	3	.
556	2045	4	.
557	2045	5	.
558	2045	6	.
559	2045	7	.
560	2045	8	.
561	2045	9	.
562	2045	10	.
563	2045	11	.
564	2045	12	.
565	2046	1	.
566	2046	2	.
567	2046	3	.
568	2046	4	.
569	2046	5	.
570	2046	6	.
571	2046	7	.
572	2046	8	.
573	2046	9	.
574	2046	10	.
575	2046	11	.
576	2046	12	.
577	2047	1	.
578	2047	2	.
579	2047	3	.
580	2047	4	.
581	2047	5	.
582	2047	6	.
583	2047	7	.
584	2047	8	.
585	2047	9	.
586	2047	10	.
587	2047	11	.
588	2047	12	.
589	2048	1	.
590	2048	2	.
591	2048	3	.
592	2048	4	.
593	2048	5	.
594	2048	6	.
595	2048	7	.
596	2048	8	.
597	2048	9	.
598	2048	10	.
599	2048	11	.
600	2048	12	.

KENTUCKY POWER COMPANY
COMMERCIAL CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	cc_kpc
601	2049	1	.
602	2049	2	.
603	2049	3	.
604	2049	4	.
605	2049	5	.
606	2049	6	.
607	2049	7	.
608	2049	8	.
609	2049	9	.
610	2049	10	.
611	2049	11	.
612	2049	12	.
613	2050	1	.
614	2050	2	.
615	2050	3	.
616	2050	4	.
617	2050	5	.
618	2050	6	.
619	2050	7	.
620	2050	8	.
621	2050	9	.
622	2050	10	.
623	2050	11	.
624	2050	12	.
625	2051	1	.
626	2051	2	.
627	2051	3	.
628	2051	4	.
629	2051	5	.
630	2051	6	.
631	2051	7	.
632	2051	8	.
633	2051	9	.
634	2051	10	.
635	2051	11	.
636	2051	12	.
637	2052	1	.
638	2052	2	.
639	2052	3	.
640	2052	4	.
641	2052	5	.
642	2052	6	.
643	2052	7	.
644	2052	8	.
645	2052	9	.
646	2052	10	.
647	2052	11	.
648	2052	12	.
649	2053	1	.
650	2053	2	.

KENTUCKY POWER COMPANY
COMMERCIAL CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	cc_kpc
651	2053	3	.
652	2053	4	.
653	2053	5	.
654	2053	6	.
655	2053	7	.
656	2053	8	.
657	2053	9	.
658	2053	10	.
659	2053	11	.
660	2053	12	.
661	2054	1	.
662	2054	2	.
663	2054	3	.
664	2054	4	.
665	2054	5	.
666	2054	6	.
667	2054	7	.
668	2054	8	.
669	2054	9	.
670	2054	10	.
671	2054	11	.
672	2054	12	.

The MEANS Procedure

Variable	Label	Mean
YEAR	YEAR	2026.50
MONTH	MONTH	6.5000000
N_kpc	Service Area Population	404.9986294
D020N	Binary Variable-2002 On	0.9636364
d04on	Binary Variable-2004 On	0.9272727
d07on	Binary Variable-2007 On	0.8727273
d093on	Binary Variable-July 2009 On	0.8272727
d1	January	0.0833333
d2	February	0.0833333
d3	March	0.0833333
d4	April	0.0833333
d5	May	0.0833333
d6	June	0.0833333
d7	July	0.0833333
d8	August	0.0833333
d9	September	0.0833333
d10	October	0.0833333
d11	November	0.0833333
YR_KPC	Service Area Real Personal Income	15758.93
d13on	Binary Variable-2013 On	0.7636364
sep18on	Binary Variable-September 2018 On	0.6606061

KENTUCKY POWER COMPANY
 COMMERCIAL CUSTOMERS
 EXOGENOUS VARIABLES

O b s	Y E A R	M O N T H	N _ k p c	D O 2 0 N	d O 4 o n	d O 7 o n	d O 9 o n	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 0	d 1	Y	S	
																			R _ K P C	e d p 1 3 o n	
45	2002	9	436.596	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11354.37	0	0
46	2002	10	436.542	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11342.37	0	0
47	2002	11	436.476	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11328.78	0	0
48	2002	12	436.400	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11315.62	0	0
49	2003	1	436.312	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	11305.14	0	0
50	2003	2	436.216	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	11300.16	0	0
51	2003	3	436.112	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	11301.09	0	0
52	2003	4	435.995	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	11304.62	0	0
53	2003	5	435.870	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	11305.78	0	0
54	2003	6	435.741	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	11301.49	0	0
55	2003	7	435.602	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	11294.64	0	0
56	2003	8	435.458	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	11289.88	0	0
57	2003	9	435.308	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	11290.23	0	0
58	2003	10	435.157	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	11293.74	0	0
59	2003	11	435.011	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	11297.09	0	0
60	2003	12	434.863	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11297.79	0	0
61	2004	1	434.719	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	11295.97	0	0
62	2004	2	434.584	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	11292.73	0	0
63	2004	3	434.455	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	11289.31	0	0
64	2004	4	434.341	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	11287.79	0	0
65	2004	5	434.233	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	11290.77	0	0
66	2004	6	434.139	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	11299.43	0	0
67	2004	7	434.062	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	11311.45	0	0
68	2004	8	433.999	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	11323.53	0	0
69	2004	9	433.953	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	11332.99	0	0
70	2004	10	433.915	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	11340.79	0	0
71	2004	11	433.890	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	11348.70	0	0
72	2004	12	433.869	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	11358.38	0	0
73	2005	1	433.855	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	11371.45	0	0
74	2005	2	433.846	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	11388.08	0	0
75	2005	3	433.834	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	11409.19	0	0
76	2005	4	433.824	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	11433.02	0	0
77	2005	5	433.811	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	11455.28	0	0
78	2005	6	433.796	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	11473.96	0	0
79	2005	7	433.770	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	11491.92	0	0
80	2005	8	433.738	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	11513.59	0	0
81	2005	9	433.702	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	11540.77	0	0
82	2005	10	433.656	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	11572.81	0	0
83	2005	11	433.605	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	11607.56	0	0
84	2005	12	433.551	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	11642.96	0	0
85	2006	1	433.495	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	11677.42	0	0
86	2006	2	433.440	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	11706.79	0	0
87	2006	3	433.380	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	11731.07	0	0
88	2006	4	433.320	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	11750.20	0	0

KENTUCKY POWER COMPANY
COMMERCIAL CUSTOMERS
EXOGENOUS VARIABLES

O b s	Y E A R	M O N T H	N _ k p c	D 0 2 0 N	d 0 4 o n	d 0 7 o n	0 9 3	d d 1	d d 2	d d 3	d d 4	d d 5	d d 6	d d 7	d d 8	d d 9	d d 0	d d 1	Y	S		
																			R _ K P C	e d p 1 3 o n		
89	2006	5	433.260	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	11762.70	0	0
90	2006	6	433.202	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	11769.47	0	0
91	2006	7	433.145	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	11775.13	0	0
92	2006	8	433.089	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	11786.70	0	0
93	2006	9	433.036	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	11807.39	0	0
94	2006	10	432.985	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	11828.54	0	0
95	2006	11	432.933	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	11837.47	0	0
96	2006	12	432.883	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11827.06	0	0
97	2007	1	432.825	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	11807.72	0	0
98	2007	2	432.771	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	11796.20	0	0
99	2007	3	432.711	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	11802.65	0	0
100	2007	4	432.647	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	11826.76	0	0
101	2007	5	432.577	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	11863.96	0	0
102	2007	6	432.504	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	11910.47	0	0
103	2007	7	432.426	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	11966.83	0	0
104	2007	8	432.338	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	12034.32	0	0
105	2007	9	432.246	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	12108.89	0	0
106	2007	10	432.151	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	12188.69	0	0
107	2007	11	432.052	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	12270.51	0	0
108	2007	12	431.951	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	12352.01	0	0
109	2008	1	431.850	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	12434.79	0	0
110	2008	2	431.756	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	12515.98	0	0
111	2008	3	431.656	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	12597.16	0	0
112	2008	4	431.564	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	12671.61	0	0
113	2008	5	431.473	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	12727.10	0	0
114	2008	6	431.392	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	12757.17	0	0
115	2008	7	431.315	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	12767.72	0	0
116	2008	8	431.243	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	12771.00	0	0
117	2008	9	431.177	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	12776.88	0	0
118	2008	10	431.118	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	12783.63	0	0
119	2008	11	431.068	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	12785.70	0	0
120	2008	12	431.017	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	12779.59	0	0
121	2009	1	430.970	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	12768.34	0	0
122	2009	2	430.930	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	12757.89	0	0
123	2009	3	430.891	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	12751.53	0	0
124	2009	4	430.851	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	12749.23	0	0
125	2009	5	430.813	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	12750.18	0	0
126	2009	6	430.777	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	12753.34	0	0
127	2009	7	430.737	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	12758.03	0	0
128	2009	8	430.698	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	12762.62	0	0
129	2009	9	430.658	1	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	12765.88	0	0
130	2009	10	430.621	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	12772.11	0	0
131	2009	11	430.583	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	12787.16	0	0
132	2009	12	430.545	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	12814.27	0	0

KENTUCKY POWER COMPANY
COMMERCIAL CUSTOMERS
EXOGENOUS VARIABLES

O b s	Y E A R	M O N T H	N _ k p c	D 0 2 0	d 0 4 0	d 0 7 0	d 0 9 3	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 0	d 1	Y	S		
																			R _ K P C	e d p 1 1 3 8		
397	2032	1	394.669	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	15923.07	1	1
398	2032	2	394.642	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	15946.44	1	1
399	2032	3	394.617	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	15969.92	1	1
400	2032	4	394.589	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	15993.92	1	1
401	2032	5	394.561	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	16018.01	1	1
402	2032	6	394.537	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	16042.16	1	1
403	2032	7	394.510	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	16066.44	1	1
404	2032	8	394.484	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	16091.34	1	1
405	2032	9	394.457	1	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	16116.06	1	1
406	2032	10	394.435	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	16140.90	1	1
407	2032	11	394.412	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	16165.72	1	1
408	2032	12	394.386	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	16190.40	1	1
409	2033	1	394.362	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	16215.33	1	1
410	2033	2	394.338	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	16238.95	1	1
411	2033	3	394.317	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	16262.49	1	1
412	2033	4	394.293	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	16286.81	1	1
413	2033	5	394.271	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	16311.19	1	1
414	2033	6	394.249	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	16335.69	1	1
415	2033	7	394.227	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	16360.36	1	1
416	2033	8	394.201	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	16385.69	1	1
417	2033	9	394.178	1	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	16410.89	1	1
418	2033	10	394.152	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	16436.24	1	1
419	2033	11	394.130	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	16461.60	1	1
420	2033	12	394.106	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	16486.85	1	1
421	2034	1	394.084	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	16512.45	1	1
422	2034	2	394.057	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	16536.84	1	1
423	2034	3	394.038	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	16561.34	1	1
424	2034	4	394.011	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	16586.79	1	1
425	2034	5	393.988	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	16612.35	1	1
426	2034	6	393.964	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	16638.03	1	1
427	2034	7	393.942	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	16663.97	1	1
428	2034	8	393.917	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	16690.72	1	1
429	2034	9	393.890	1	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	16717.50	1	1
430	2034	10	393.870	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	16744.60	1	1
431	2034	11	393.843	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	16771.85	1	1
432	2034	12	393.820	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	16799.10	1	1
433	2035	1	393.796	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	16826.78	1	1
434	2035	2	393.775	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	16853.09	1	1
435	2035	3	393.752	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	16879.37	1	1
436	2035	4	393.727	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	16906.54	1	1
437	2035	5	393.703	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	16933.69	1	1
438	2035	6	393.677	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	16960.89	1	1
439	2035	7	393.653	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	16988.27	1	1
440	2035	8	393.629	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	17016.45	1	1

KENTUCKY POWER COMPANY
COMMERCIAL CUSTOMERS
EXOGENOUS VARIABLES

O b s	Y E A R	M O N T H	N _ k p c	D 0 2 0	d 4 0	d 7 0	d 9 3	d 1 1	d 2 2	d 3 3	d 4 4	d 5 5	d 6 6	d 7 7	d 8 8	d 9 9	d 0 0	d 1 1	Y R _ K P C	S e p t e m b e r		
																					18167.97	1	1
485	2039	5	392.535	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	18167.97	1	1
486	2039	6	392.509	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	18193.40	1	1
487	2039	7	392.482	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	18219.27	1	1
488	2039	8	392.453	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	18246.03	1	1
489	2039	9	392.428	1	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	18272.77	1	1
490	2039	10	392.401	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	18299.78	1	1
491	2039	11	392.373	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	18326.87	1	1
492	2039	12	392.349	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	18353.91	1	1
493	2040	1	392.317	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	18381.36	1	1
494	2040	2	392.291	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	18407.97	1	1
495	2040	3	392.263	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	18434.68	1	1
496	2040	4	392.235	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	18461.87	1	1
497	2040	5	392.207	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	18489.04	1	1
498	2040	6	392.178	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	18516.11	1	1
499	2040	7	392.151	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	18543.04	1	1
500	2040	8	392.124	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	18570.28	1	1
501	2040	9	392.093	1	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	18596.98	1	1
502	2040	10	392.064	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	18623.62	1	1
503	2040	11	392.036	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	18650.25	1	1
504	2040	12	392.007	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	18676.89	1	1
505	2041	1	391.979	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	18703.92	1	1
506	2041	2	391.950	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	18729.54	1	1
507	2041	3	391.923	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	18755.02	1	1
508	2041	4	391.891	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	18781.35	1	1
509	2041	5	391.863	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	18807.83	1	1
510	2041	6	391.835	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	18834.57	1	1
511	2041	7	391.803	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	18861.48	1	1
512	2041	8	391.774	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	18888.80	1	1
513	2041	9	391.744	1	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	18915.57	1	1
514	2041	10	391.712	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	18942.29	1	1
515	2041	11	391.681	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	18969.10	1	1
516	2041	12	391.651	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	18996.10	1	1
517	2042	1	391.620	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	19023.73	1	1
518	2042	2	391.590	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	19050.16	1	1
519	2042	3	391.559	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	19076.70	1	1
520	2042	4	391.526	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	19104.31	1	1
521	2042	5	391.494	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	19132.16	1	1
522	2042	6	391.463	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	19160.28	1	1
523	2042	7	391.433	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	19188.60	1	1
524	2042	8	391.399	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	19217.46	1	1
525	2042	9	391.364	1	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	19245.86	1	1
526	2042	10	391.331	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	19274.34	1	1
527	2042	11	391.298	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	19303.03	1	1
528	2042	12	391.266	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	19331.98	1	1

The SYSLIN Procedure
Ordinary Least Squares Estimation

Model cc_kpc
Dependent Variable cc_kpc
Label Commercial Customers

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	18	5.1756E8	28753271	348.04	<.0001
Error	209	17266426	82614.48		
Corrected Total	227	5.3483E8			

Root MSE 287.42734 R-Square 0.96772
Dependent Mean 29081.8070 Adj R-Sq 0.96494
Coeff Var 0.98834

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variable Label
Intercept	1	19399.80	2544.078	7.63	<.0001	Intercept
yrnindx	1	6487.263	2553.996	2.54	0.0118	Service Area Real Personal Income-Population Index
D020N	1	1291.972	83.41663	15.49	<.0001	Binary Variable-2002 On
d04on	1	1772.308	75.78374	23.39	<.0001	Binary Variable-2004 On
d07on	1	797.6032	77.43905	10.30	<.0001	Binary Variable-2007 On
d093on	1	155.1436	70.14099	2.21	0.0281	Binary Variable-July 2009 On
d1	1	-254.896	94.60911	-2.69	0.0076	January
d2	1	-300.564	94.46246	-3.18	0.0017	February
d3	1	-235.086	94.29711	-2.49	0.0134	March
d4	1	-263.528	94.13303	-2.80	0.0056	April
d5	1	-211.286	94.00036	-2.25	0.0256	May
d6	1	-156.531	93.90460	-1.67	0.0970	June
d7	1	-165.894	93.72100	-1.77	0.0782	July
d8	1	-77.4141	93.66520	-0.83	0.4095	August
d9	1	-3.65546	93.37592	-0.04	0.9688	September
d10	1	-15.4573	93.31025	-0.17	0.8686	October
d11	1	-14.1535	93.26808	-0.15	0.8795	November

The SYSLIN Procedure
 Ordinary Least Squares Estimation

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variable Label
d13on	1	657.2202	103.5595	6.35	<.0001	Binary Variable-2013 On
sep18on	1	-187.472	157.5926	-1.19	0.2356	Binary Variable-September 2018 On

Durbin-Watson 0.433694
 Number of Observations 228
 First-Order Autocorrelation 0.780492

KENTUCKY POWER COMPANY
 COMMERCIAL CUSTOMERS
 MODEL RESIDUALS

time

Residual Values
 Sum

2000.000000	*****	-283.857
2000.0833333	*****	-285.200
2000.1666667	*****	-319.793
2000.2500000	*****	-273.657
2000.3333333	*****	-220.577
2000.4166667	*****	-245.433
2000.5000000	*****	-142.587
2000.5833333	*****	-178.685
2000.6666667	*****	-260.006
2000.7500000	*****	-248.650
2000.8333333	****	-95.336
2000.9166667	****	-93.641
2001.0000000	***	86.797
2001.0833333	*****	199.458
2001.1666667	****	97.623
2001.2500000	*****	197.952
2001.3333333	*****	202.758
2001.4166667	*****	181.781
2001.5000000	*****	220.264
2001.5833333	*****	159.371
2001.6666667	*****	192.400
2001.7500000	*****	277.791
2001.8333333	*****	362.337
2001.9166667	*****	468.889
2002.0000000	*****	-499.150
2002.0833333	*****	-477.607
2002.1666667		-5.023
2002.2500000	*****	-442.644
2002.3333333	*****	-423.798
2002.4166667	*****	-450.803
2002.5000000	*****	-259.592
2002.5833333	*****	-321.303
2002.6666667	*****	-349.051
2002.7500000	*****	-399.278
2002.8333333	*****	-321.080
2002.9166667	*****	-273.658
2003.0000000	**	-52.961
2003.0833333	**	-38.803
2003.1666667	**	-54.904
2003.2500000	*	-14.905
2003.3333333	*	-14.445
2003.4166667	*	-26.267
2003.5000000	*	25.216
2003.5833333	*****	843.012
2003.6666667	*****	825.573
2003.7500000	*****	878.749
2003.8333333	*****	898.996
2003.9166667	*****	953.727
2004.0000000	*****	-567.168

KENTUCKY POWER COMPANY
 COMMERCIAL CUSTOMERS
 MODEL RESIDUALS

2004.0833333	*****	-544.742
2004.1666667	*****	-583.050
2004.2500000	*****	-511.516
2004.3333333	*****	-537.469
2004.4166667	*****	-546.176
2004.5000000	*****	-447.565
2004.5833333	*****	-494.631
2004.6666667	*****	-506.328
2004.7500000	*****	-440.971
2004.8333333	*****	-469.663
2004.9166667	*****	-427.434
2005.0000000	*****	-141.444
2005.0833333	*****	-158.776
2005.1666667		9.746
2005.2500000	**	54.188
2005.3333333	***	79.946
2005.4166667	*****	126.192
2005.5000000	****	110.554
2005.5833333	*****	121.074
2005.6666667	*****	120.316
2005.7500000	*****	143.117
2005.8333333	****	102.814
2005.9166667	*****	112.660
2006.0000000	*****	393.952
2006.0833333	*****	364.769
2006.1666667	*****	439.573
2006.2500000	*****	430.223
2006.3333333	*****	476.719
2006.4166667	*****	456.882
2006.5000000	*****	469.056
2006.5833333	*****	442.064
2006.6666667	*****	414.311
2006.7500000	*****	640.477
2006.8333333	*****	478.158
2006.9166667	*****	390.142
2007.0000000	***	-71.504
2007.0833333	***	-66.018
2007.1666667	***	-85.167
2007.2500000	****	-89.018
2007.3333333		0.818
2007.4166667	**	51.687
2007.5000000	*****	115.412
2007.5833333	*****	114.542
2007.6666667	***	84.265
2007.7500000	*****	140.477
2007.8333333	*****	144.696
2007.9166667	*****	113.196
2008.0000000	*****	377.611
2008.0833333	*****	403.119
2008.1666667	*****	352.101
2008.2500000	*****	424.061
2008.3333333	*****	415.264

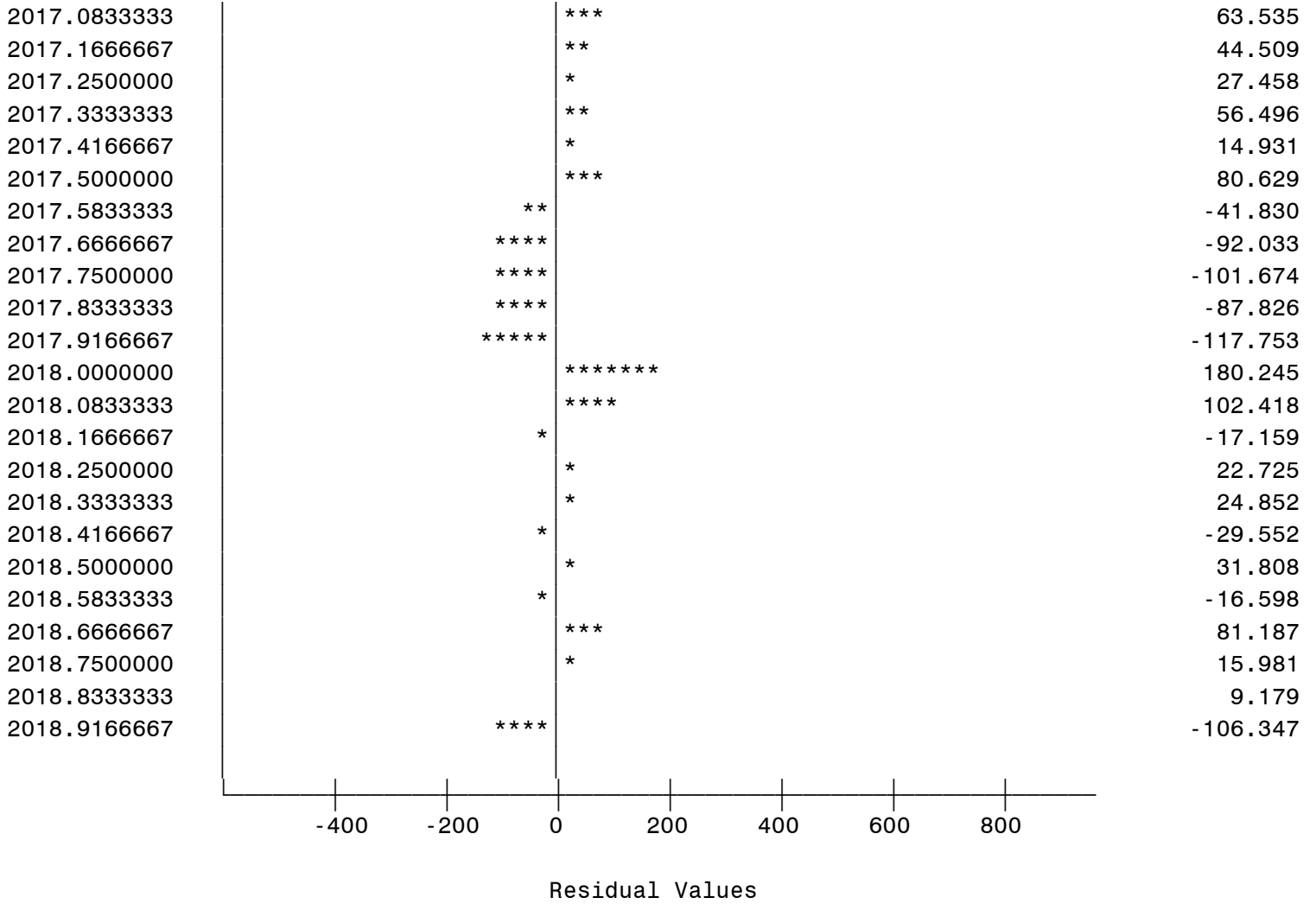
KENTUCKY POWER COMPANY
 COMMERCIAL CUSTOMERS
 MODEL RESIDUALS

2008.4166667		*****	371.247
2008.5000000	*****		-356.717
2008.5833333	*****		-396.372
2008.6666667	*****		-375.041
2008.7500000	*****		-356.860
2008.8333333	*****		-383.113
2008.9166667	*****		-305.272
2009.0000000	***		-66.918
2009.0833333	***		-83.561
2009.1666667	*		-27.302
2009.2500000	*****		-120.217
2009.3333333	*****		-191.455
2009.4166667	*****		-133.962
2009.5000000	*****		-320.850
2009.5833333	*****		-372.049
2009.6666667	*****		-420.736
2009.7500000	*****		-372.765
2009.8333333	*****		-390.614
2009.9166667	*****		-363.630
2010.0000000	****		-107.685
2010.0833333	***		-81.176
2010.1666667	*****		-129.603
2010.2500000	***		-70.536
2010.3333333	****		-111.743
2010.4166667	*		-14.744
2010.5000000	**		-56.115
2010.5833333	****		-92.511
2010.6666667	*****		-168.511
2010.7500000	*****		-140.760
2010.8333333	**		-46.740
2010.9166667	*****		-201.745
2011.0000000	*****		209.235
2011.0833333	*		21.154
2011.1666667	*****		140.574
2011.2500000	**		61.306
2011.3333333	**		61.834
2011.4166667	**		47.744
2011.5000000	*		33.435
2011.5833333	****		98.065
2011.6666667			2.240
2011.7500000	*		34.746
2011.8333333	**		39.110
2011.9166667	*		20.143
2012.0000000	*****		247.821
2012.0833333	*****		264.778
2012.1666667	****		108.393
2012.2500000	*****		234.345
2012.3333333	*****		213.424
2012.4166667	*****		227.203
2012.5000000	*****		288.140
2012.5833333	*****		228.035
2012.6666667	*****		202.614

KENTUCKY POWER COMPANY
 COMMERCIAL CUSTOMERS
 MODEL RESIDUALS

2012.750000		*****	168.735
2012.8333333		*****	250.973
2012.9166667		*****	258.466
2013.000000	*****		-147.614
2013.0833333	*****		-125.176
2013.1666667	*****		-249.584
2013.250000	*****		-187.406
2013.3333333	*****		-173.944
2013.4166667	*****		-190.047
2013.500000	*****		-149.130
2013.5833333	*****		-194.733
2013.6666667		*****	308.732
2013.750000	*****		-118.085
2013.8333333	*****		-201.141
2013.9166667	*****		-150.252
2014.000000		*****	132.928
2014.0833333		****	106.515
2014.1666667		***	77.252
2014.250000		**	45.797
2014.3333333		*	17.853
2014.4166667	**		-39.988
2014.500000		*	22.225
2014.5833333	***		-78.813
2014.6666667	**		-59.315
2014.750000	**		-58.847
2014.8333333	****		-93.490
2014.9166667	****		-103.084
2015.000000		*****	137.863
2015.0833333		*****	161.057
2015.1666667		*****	159.390
2015.250000		*****	145.837
2015.3333333		****	88.651
2015.4166667		*****	156.694
2015.500000		*****	281.012
2015.5833333		*****	185.008
2015.6666667		*	24.727
2015.750000			-8.530
2015.8333333	***		-74.210
2015.9166667	**		-52.504
2016.000000		****	108.767
2016.0833333		*****	174.256
2016.1666667		**	42.425
2016.250000		***	66.006
2016.3333333		*	34.816
2016.4166667		**	42.610
2016.500000		**	54.805
2016.5833333			-3.645
2016.6666667		*	-25.345
2016.750000	**		-53.655
2016.8333333	*****		-123.050
2016.9166667	*****		-121.904
2017.000000		***	63.083

KENTUCKY POWER COMPANY
 COMMERCIAL CUSTOMERS
 MODEL RESIDUALS



KENTUCKY POWER COMPANY
COMMERCIAL CUSTOMERS
ACTUAL AND FORECAST

YEAR	CUSTOMERS	GROWTH RATE
1999	.	.
2000	25500.67	.
2001	25965.92	1.8
2002	26703.92	2.8
2003	27390.25	2.6
2004	28288.58	3.3
2005	28866.5	2.0
2006	29284.33	1.4
2007	29686.08	1.4
2008	29729.42	0.1
2009	29554.42	-0.6
2010	29790.42	0.8
2011	29964.33	0.6
2012	30059.08	0.3
2013	30265.33	0.7
2014	30386.83	0.4
2015	30458.42	0.2
2016	30292.5	-0.5
2017	30209.75	-0.3
2018	30157.58	-0.2
2019	30009.86	-0.5
2020	30005.55	0.0
2021	30012.21	0.0
2022	30032.16	0.1
2023	30049.69	0.1
2024	30068.54	0.1
2025	30090.82	0.1
2026	30114.27	0.1
2027	30139.68	0.1
2028	30167.43	0.1
2029	30195.79	0.1
2030	30222.96	0.1
2031	30250.03	0.1
2032	30278.26	0.1
2033	30307.98	0.1
2034	30338.87	0.1
2035	30371.92	0.1
2036	30405.56	0.1
2037	30437.3	0.1
2038	30467.19	0.1
2039	30497.09	0.1
2040	30529.33	0.1
2041	30561.26	0.1
2042	30593.71	0.1
2043	30627.51	0.1
2044	30661.75	0.1
2045	30696.43	0.1
2046	30731.83	0.1
2047	30767.62	0.1

KENTUCKY POWER COMPANY
COMMERCIAL CUSTOMERS
ACTUAL AND FORECAST

YEAR	CUSTOMERS	GROWTH RATE
2048	30802.55	0.1
2049	30838.24	0.1
2050	30874.7	0.1
2051	30911.96	0.1
2052	30950.01	0.1
2053	30988.89	0.1
2054	31028.6	0.1

The MEANS Procedure

Variable	Label	Mean
YEAR	YEAR	2017.00
MONTH	MONTH	6.5000000
ci_kpc	INDUSTRIAL CUSTOMERS	1382.51

KENTUCKY POWER COMPANY
MANUFACTURING CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	ci_kpc
1	1980	1	.
2	1980	2	.
3	1980	3	.
4	1980	4	.
5	1980	5	.
6	1980	6	.
7	1980	7	.
8	1980	8	.
9	1980	9	.
10	1980	10	.
11	1980	11	.
12	1980	12	.
13	1981	1	.
14	1981	2	.
15	1981	3	.
16	1981	4	.
17	1981	5	.
18	1981	6	.
19	1981	7	.
20	1981	8	.
21	1981	9	.
22	1981	10	.
23	1981	11	.
24	1981	12	.
25	1982	1	.
26	1982	2	.
27	1982	3	.
28	1982	4	.
29	1982	5	.
30	1982	6	.
31	1982	7	.
32	1982	8	.
33	1982	9	.
34	1982	10	.
35	1982	11	.
36	1982	12	.
37	1983	1	.
38	1983	2	.
39	1983	3	.
40	1983	4	.
41	1983	5	.
42	1983	6	.
43	1983	7	.
44	1983	8	.
45	1983	9	.
46	1983	10	.
47	1983	11	.
48	1983	12	.
49	1984	1	.
50	1984	2	.

KENTUCKY POWER COMPANY
MANUFACTURING CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	ci_kpc
51	1984	3	.
52	1984	4	.
53	1984	5	.
54	1984	6	.
55	1984	7	.
56	1984	8	.
57	1984	9	.
58	1984	10	.
59	1984	11	.
60	1984	12	.
61	1985	1	.
62	1985	2	.
63	1985	3	.
64	1985	4	.
65	1985	5	.
66	1985	6	.
67	1985	7	.
68	1985	8	.
69	1985	9	.
70	1985	10	.
71	1985	11	.
72	1985	12	.
73	1986	1	.
74	1986	2	.
75	1986	3	.
76	1986	4	.
77	1986	5	.
78	1986	6	.
79	1986	7	.
80	1986	8	.
81	1986	9	.
82	1986	10	.
83	1986	11	.
84	1986	12	.
85	1987	1	.
86	1987	2	.
87	1987	3	.
88	1987	4	.
89	1987	5	.
90	1987	6	.
91	1987	7	.
92	1987	8	.
93	1987	9	.
94	1987	10	.
95	1987	11	.
96	1987	12	.
97	1988	1	.
98	1988	2	.
99	1988	3	.
100	1988	4	.

KENTUCKY POWER COMPANY
MANUFACTURING CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	ci_kpc
101	1988	5	.
102	1988	6	.
103	1988	7	.
104	1988	8	.
105	1988	9	.
106	1988	10	.
107	1988	11	.
108	1988	12	.
109	1989	1	.
110	1989	2	.
111	1989	3	.
112	1989	4	.
113	1989	5	.
114	1989	6	.
115	1989	7	.
116	1989	8	.
117	1989	9	.
118	1989	10	.
119	1989	11	.
120	1989	12	.
121	1990	1	.
122	1990	2	.
123	1990	3	.
124	1990	4	.
125	1990	5	.
126	1990	6	.
127	1990	7	.
128	1990	8	.
129	1990	9	.
130	1990	10	.
131	1990	11	.
132	1990	12	.
133	1991	1	.
134	1991	2	.
135	1991	3	.
136	1991	4	.
137	1991	5	.
138	1991	6	.
139	1991	7	.
140	1991	8	.
141	1991	9	.
142	1991	10	.
143	1991	11	.
144	1991	12	.
145	1992	1	.
146	1992	2	.
147	1992	3	.
148	1992	4	.
149	1992	5	.
150	1992	6	.

KENTUCKY POWER COMPANY
MANUFACTURING CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	ci_kpc
151	1992	7	.
152	1992	8	.
153	1992	9	.
154	1992	10	.
155	1992	11	.
156	1992	12	.
157	1993	1	.
158	1993	2	.
159	1993	3	.
160	1993	4	.
161	1993	5	.
162	1993	6	.
163	1993	7	.
164	1993	8	.
165	1993	9	.
166	1993	10	.
167	1993	11	.
168	1993	12	.
169	1994	1	.
170	1994	2	.
171	1994	3	.
172	1994	4	.
173	1994	5	.
174	1994	6	.
175	1994	7	.
176	1994	8	.
177	1994	9	.
178	1994	10	.
179	1994	11	.
180	1994	12	.
181	1995	1	.
182	1995	2	.
183	1995	3	.
184	1995	4	.
185	1995	5	.
186	1995	6	.
187	1995	7	.
188	1995	8	.
189	1995	9	.
190	1995	10	.
191	1995	11	.
192	1995	12	.
193	1996	1	.
194	1996	2	.
195	1996	3	.
196	1996	4	.
197	1996	5	.
198	1996	6	.
199	1996	7	.
200	1996	8	.

KENTUCKY POWER COMPANY
MANUFACTURING CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	ci_kpc
201	1996	9	.
202	1996	10	.
203	1996	11	.
204	1996	12	.
205	1997	1	.
206	1997	2	.
207	1997	3	.
208	1997	4	.
209	1997	5	.
210	1997	6	.
211	1997	7	.
212	1997	8	.
213	1997	9	.
214	1997	10	.
215	1997	11	.
216	1997	12	.
217	1998	1	.
218	1998	2	.
219	1998	3	.
220	1998	4	.
221	1998	5	.
222	1998	6	.
223	1998	7	.
224	1998	8	.
225	1998	9	.
226	1998	10	.
227	1998	11	.
228	1998	12	.
229	1999	1	.
230	1999	2	.
231	1999	3	.
232	1999	4	.
233	1999	5	.
234	1999	6	.
235	1999	7	.
236	1999	8	.
237	1999	9	.
238	1999	10	.
239	1999	11	.
240	1999	12	.
241	2000	1	1594
242	2000	2	1538
243	2000	3	1534
244	2000	4	1538
245	2000	5	1524
246	2000	6	1508
247	2000	7	1516
248	2000	8	1553
249	2000	9	1492
250	2000	10	1523

KENTUCKY POWER COMPANY
MANUFACTURING CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	ci_kpc
251	2000	11	1499
252	2000	12	1494
253	2001	1	1512
254	2001	2	1503
255	2001	3	1498
256	2001	4	1501
257	2001	5	1537
258	2001	6	1536
259	2001	7	1521
260	2001	8	1522
261	2001	9	1519
262	2001	10	1523
263	2001	11	1524
264	2001	12	1510
265	2002	1	1488
266	2002	2	1509
267	2002	3	1520
268	2002	4	1500
269	2002	5	1565
270	2002	6	1500
271	2002	7	1501
272	2002	8	1514
273	2002	9	1477
274	2002	10	1468
275	2002	11	1496
276	2002	12	1476
277	2003	1	1470
278	2003	2	1467
279	2003	3	1494
280	2003	4	1503
281	2003	5	1459
282	2003	6	1457
283	2003	7	1450
284	2003	8	1451
285	2003	9	1442
286	2003	10	1428
287	2003	11	1447
288	2003	12	1486
289	2004	1	1479
290	2004	2	1477
291	2004	3	1471
292	2004	4	1472
293	2004	5	1481
294	2004	6	1463
295	2004	7	1463
296	2004	8	1461
297	2004	9	1459
298	2004	10	1456
299	2004	11	1454
300	2004	12	1454

KENTUCKY POWER COMPANY
MANUFACTURING CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	ci_kpc
301	2005	1	1461
302	2005	2	1454
303	2005	3	1473
304	2005	4	1446
305	2005	5	1440
306	2005	6	1462
307	2005	7	1451
308	2005	8	1467
309	2005	9	1460
310	2005	10	1464
311	2005	11	1452
312	2005	12	1457
313	2006	1	1463
314	2006	2	1453
315	2006	3	1472
316	2006	4	1455
317	2006	5	1450
318	2006	6	1464
319	2006	7	1462
320	2006	8	1462
321	2006	9	1460
322	2006	10	1463
323	2006	11	1462
324	2006	12	1458
325	2007	1	1460
326	2007	2	1447
327	2007	3	1446
328	2007	4	1434
329	2007	5	1426
330	2007	6	1436
331	2007	7	1443
332	2007	8	1442
333	2007	9	1438
334	2007	10	1427
335	2007	11	1424
336	2007	12	1417
337	2008	1	1421
338	2008	2	1426
339	2008	3	1432
340	2008	4	1420
341	2008	5	1420
342	2008	6	1427
343	2008	7	1434
344	2008	8	1422
345	2008	9	1441
346	2008	10	1452
347	2008	11	1447
348	2008	12	1448
349	2009	1	1445
350	2009	2	1450

KENTUCKY POWER COMPANY
MANUFACTURING CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	ci_kpc
351	2009	3	1451
352	2009	4	1444
353	2009	5	1435
354	2009	6	1448
355	2009	7	1430
356	2009	8	1436
357	2009	9	1448
358	2009	10	1420
359	2009	11	1426
360	2009	12	1422
361	2010	1	1430
362	2010	2	1421
363	2010	3	1440
364	2010	4	1430
365	2010	5	1429
366	2010	6	1445
367	2010	7	1434
368	2010	8	1430
369	2010	9	1419
370	2010	10	1410
371	2010	11	1419
372	2010	12	1394
373	2011	1	1417
374	2011	2	1411
375	2011	3	1423
376	2011	4	1416
377	2011	5	1415
378	2011	6	1411
379	2011	7	1397
380	2011	8	1400
381	2011	9	1402
382	2011	10	1397
383	2011	11	1397
384	2011	12	1390
385	2012	1	1380
386	2012	2	1369
387	2012	3	1379
388	2012	4	1372
389	2012	5	1372
390	2012	6	1365
391	2012	7	1366
392	2012	8	1374
393	2012	9	1369
394	2012	10	1362
395	2012	11	1353
396	2012	12	1356
397	2013	1	1354
398	2013	2	1353
399	2013	3	1335
400	2013	4	1342

KENTUCKY POWER COMPANY
MANUFACTURING CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	ci_kpc
401	2013	5	1329
402	2013	6	1326
403	2013	7	1317
404	2013	8	1312
405	2013	9	1311
406	2013	10	1303
407	2013	11	1302
408	2013	12	1301
409	2014	1	1300
410	2014	2	1302
411	2014	3	1306
412	2014	4	1297
413	2014	5	1311
414	2014	6	1299
415	2014	7	1300
416	2014	8	1296
417	2014	9	1291
418	2014	10	1299
419	2014	11	1281
420	2014	12	1275
421	2015	1	1286
422	2015	2	1266
423	2015	3	1274
424	2015	4	1271
425	2015	5	1260
426	2015	6	1265
427	2015	7	1271
428	2015	8	1257
429	2015	9	1245
430	2015	10	1238
431	2015	11	1235
432	2015	12	1223
433	2016	1	1213
434	2016	2	1232
435	2016	3	1216
436	2016	4	1204
437	2016	5	1197
438	2016	6	1200
439	2016	7	1185
440	2016	8	1176
441	2016	9	1171
442	2016	10	1165
443	2016	11	1164
444	2016	12	1163
445	2017	1	1156
446	2017	2	1151
447	2017	3	1160
448	2017	4	1155
449	2017	5	1150
450	2017	6	1153

KENTUCKY POWER COMPANY
MANUFACTURING CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	ci_kpc
451	2017	7	1161
452	2017	8	1163
453	2017	9	1142
454	2017	10	1151
455	2017	11	1150
456	2017	12	1151
457	2018	1	1147
458	2018	2	1154
459	2018	3	1149
460	2018	4	1143
461	2018	5	1140
462	2018	6	1142
463	2018	7	1143
464	2018	8	1142
465	2018	9	1139
466	2018	10	1146
467	2018	11	1191
468	2018	12	1148
469	2019	1	.
470	2019	2	.
471	2019	3	.
472	2019	4	.
473	2019	5	.
474	2019	6	.
475	2019	7	.
476	2019	8	.
477	2019	9	.
478	2019	10	.
479	2019	11	.
480	2019	12	.
481	2020	1	.
482	2020	2	.
483	2020	3	.
484	2020	4	.
485	2020	5	.
486	2020	6	.
487	2020	7	.
488	2020	8	.
489	2020	9	.
490	2020	10	.
491	2020	11	.
492	2020	12	.
493	2021	1	.
494	2021	2	.
495	2021	3	.
496	2021	4	.
497	2021	5	.
498	2021	6	.
499	2021	7	.
500	2021	8	.

KENTUCKY POWER COMPANY
MANUFACTURING CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	ci_kpc
501	2021	9	.
502	2021	10	.
503	2021	11	.
504	2021	12	.
505	2022	1	.
506	2022	2	.
507	2022	3	.
508	2022	4	.
509	2022	5	.
510	2022	6	.
511	2022	7	.
512	2022	8	.
513	2022	9	.
514	2022	10	.
515	2022	11	.
516	2022	12	.
517	2023	1	.
518	2023	2	.
519	2023	3	.
520	2023	4	.
521	2023	5	.
522	2023	6	.
523	2023	7	.
524	2023	8	.
525	2023	9	.
526	2023	10	.
527	2023	11	.
528	2023	12	.
529	2024	1	.
530	2024	2	.
531	2024	3	.
532	2024	4	.
533	2024	5	.
534	2024	6	.
535	2024	7	.
536	2024	8	.
537	2024	9	.
538	2024	10	.
539	2024	11	.
540	2024	12	.
541	2025	1	.
542	2025	2	.
543	2025	3	.
544	2025	4	.
545	2025	5	.
546	2025	6	.
547	2025	7	.
548	2025	8	.
549	2025	9	.
550	2025	10	.

KENTUCKY POWER COMPANY
MANUFACTURING CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	ci_kpc
551	2025	11	.
552	2025	12	.
553	2026	1	.
554	2026	2	.
555	2026	3	.
556	2026	4	.
557	2026	5	.
558	2026	6	.
559	2026	7	.
560	2026	8	.
561	2026	9	.
562	2026	10	.
563	2026	11	.
564	2026	12	.
565	2027	1	.
566	2027	2	.
567	2027	3	.
568	2027	4	.
569	2027	5	.
570	2027	6	.
571	2027	7	.
572	2027	8	.
573	2027	9	.
574	2027	10	.
575	2027	11	.
576	2027	12	.
577	2028	1	.
578	2028	2	.
579	2028	3	.
580	2028	4	.
581	2028	5	.
582	2028	6	.
583	2028	7	.
584	2028	8	.
585	2028	9	.
586	2028	10	.
587	2028	11	.
588	2028	12	.
589	2029	1	.
590	2029	2	.
591	2029	3	.
592	2029	4	.
593	2029	5	.
594	2029	6	.
595	2029	7	.
596	2029	8	.
597	2029	9	.
598	2029	10	.
599	2029	11	.
600	2029	12	.

KENTUCKY POWER COMPANY
MANUFACTURING CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	ci_kpc
601	2030	1	.
602	2030	2	.
603	2030	3	.
604	2030	4	.
605	2030	5	.
606	2030	6	.
607	2030	7	.
608	2030	8	.
609	2030	9	.
610	2030	10	.
611	2030	11	.
612	2030	12	.
613	2031	1	.
614	2031	2	.
615	2031	3	.
616	2031	4	.
617	2031	5	.
618	2031	6	.
619	2031	7	.
620	2031	8	.
621	2031	9	.
622	2031	10	.
623	2031	11	.
624	2031	12	.
625	2032	1	.
626	2032	2	.
627	2032	3	.
628	2032	4	.
629	2032	5	.
630	2032	6	.
631	2032	7	.
632	2032	8	.
633	2032	9	.
634	2032	10	.
635	2032	11	.
636	2032	12	.
637	2033	1	.
638	2033	2	.
639	2033	3	.
640	2033	4	.
641	2033	5	.
642	2033	6	.
643	2033	7	.
644	2033	8	.
645	2033	9	.
646	2033	10	.
647	2033	11	.
648	2033	12	.
649	2034	1	.
650	2034	2	.

KENTUCKY POWER COMPANY
MANUFACTURING CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	ci_kpc
651	2034	3	.
652	2034	4	.
653	2034	5	.
654	2034	6	.
655	2034	7	.
656	2034	8	.
657	2034	9	.
658	2034	10	.
659	2034	11	.
660	2034	12	.
661	2035	1	.
662	2035	2	.
663	2035	3	.
664	2035	4	.
665	2035	5	.
666	2035	6	.
667	2035	7	.
668	2035	8	.
669	2035	9	.
670	2035	10	.
671	2035	11	.
672	2035	12	.
673	2036	1	.
674	2036	2	.
675	2036	3	.
676	2036	4	.
677	2036	5	.
678	2036	6	.
679	2036	7	.
680	2036	8	.
681	2036	9	.
682	2036	10	.
683	2036	11	.
684	2036	12	.
685	2037	1	.
686	2037	2	.
687	2037	3	.
688	2037	4	.
689	2037	5	.
690	2037	6	.
691	2037	7	.
692	2037	8	.
693	2037	9	.
694	2037	10	.
695	2037	11	.
696	2037	12	.
697	2038	1	.
698	2038	2	.
699	2038	3	.
700	2038	4	.

KENTUCKY POWER COMPANY
MANUFACTURING CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	ci_kpc
701	2038	5	.
702	2038	6	.
703	2038	7	.
704	2038	8	.
705	2038	9	.
706	2038	10	.
707	2038	11	.
708	2038	12	.
709	2039	1	.
710	2039	2	.
711	2039	3	.
712	2039	4	.
713	2039	5	.
714	2039	6	.
715	2039	7	.
716	2039	8	.
717	2039	9	.
718	2039	10	.
719	2039	11	.
720	2039	12	.
721	2040	1	.
722	2040	2	.
723	2040	3	.
724	2040	4	.
725	2040	5	.
726	2040	6	.
727	2040	7	.
728	2040	8	.
729	2040	9	.
730	2040	10	.
731	2040	11	.
732	2040	12	.
733	2041	1	.
734	2041	2	.
735	2041	3	.
736	2041	4	.
737	2041	5	.
738	2041	6	.
739	2041	7	.
740	2041	8	.
741	2041	9	.
742	2041	10	.
743	2041	11	.
744	2041	12	.
745	2042	1	.
746	2042	2	.
747	2042	3	.
748	2042	4	.
749	2042	5	.
750	2042	6	.

KENTUCKY POWER COMPANY
MANUFACTURING CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	ci_kpc
751	2042	7	.
752	2042	8	.
753	2042	9	.
754	2042	10	.
755	2042	11	.
756	2042	12	.
757	2043	1	.
758	2043	2	.
759	2043	3	.
760	2043	4	.
761	2043	5	.
762	2043	6	.
763	2043	7	.
764	2043	8	.
765	2043	9	.
766	2043	10	.
767	2043	11	.
768	2043	12	.
769	2044	1	.
770	2044	2	.
771	2044	3	.
772	2044	4	.
773	2044	5	.
774	2044	6	.
775	2044	7	.
776	2044	8	.
777	2044	9	.
778	2044	10	.
779	2044	11	.
780	2044	12	.
781	2045	1	.
782	2045	2	.
783	2045	3	.
784	2045	4	.
785	2045	5	.
786	2045	6	.
787	2045	7	.
788	2045	8	.
789	2045	9	.
790	2045	10	.
791	2045	11	.
792	2045	12	.
793	2046	1	.
794	2046	2	.
795	2046	3	.
796	2046	4	.
797	2046	5	.
798	2046	6	.
799	2046	7	.
800	2046	8	.

KENTUCKY POWER COMPANY
MANUFACTURING CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	ci_kpc
801	2046	9	.
802	2046	10	.
803	2046	11	.
804	2046	12	.
805	2047	1	.
806	2047	2	.
807	2047	3	.
808	2047	4	.
809	2047	5	.
810	2047	6	.
811	2047	7	.
812	2047	8	.
813	2047	9	.
814	2047	10	.
815	2047	11	.
816	2047	12	.
817	2048	1	.
818	2048	2	.
819	2048	3	.
820	2048	4	.
821	2048	5	.
822	2048	6	.
823	2048	7	.
824	2048	8	.
825	2048	9	.
826	2048	10	.
827	2048	11	.
828	2048	12	.
829	2049	1	.
830	2049	2	.
831	2049	3	.
832	2049	4	.
833	2049	5	.
834	2049	6	.
835	2049	7	.
836	2049	8	.
837	2049	9	.
838	2049	10	.
839	2049	11	.
840	2049	12	.
841	2050	1	.
842	2050	2	.
843	2050	3	.
844	2050	4	.
845	2050	5	.
846	2050	6	.
847	2050	7	.
848	2050	8	.
849	2050	9	.
850	2050	10	.

KENTUCKY POWER COMPANY
MANUFACTURING CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	ci_kpc
851	2050	11	.
852	2050	12	.
853	2051	1	.
854	2051	2	.
855	2051	3	.
856	2051	4	.
857	2051	5	.
858	2051	6	.
859	2051	7	.
860	2051	8	.
861	2051	9	.
862	2051	10	.
863	2051	11	.
864	2051	12	.
865	2052	1	.
866	2052	2	.
867	2052	3	.
868	2052	4	.
869	2052	5	.
870	2052	6	.
871	2052	7	.
872	2052	8	.
873	2052	9	.
874	2052	10	.
875	2052	11	.
876	2052	12	.
877	2053	1	.
878	2053	2	.
879	2053	3	.
880	2053	4	.
881	2053	5	.
882	2053	6	.
883	2053	7	.
884	2053	8	.
885	2053	9	.
886	2053	10	.
887	2053	11	.
888	2053	12	.
889	2054	1	.
890	2054	2	.
891	2054	3	.
892	2054	4	.
893	2054	5	.
894	2054	6	.
895	2054	7	.
896	2054	8	.
897	2054	9	.
898	2054	10	.
899	2054	11	.
900	2054	12	.

The MEANS Procedure

Variable	Label	Mean
YEAR	YEAR	2017.00
MONTH	MONTH	6.5000000
time	TREND	2027.46
d1	January	0.0833333
d2	February	0.0833333
d3	March	0.0833333
d4	April	0.0833333
d5	May	0.0833333
d6	June	0.0833333
d7	July	0.0833333
d8	August	0.0833333
d9	September	0.0833333
d10	October	0.0833333
d11	November	0.0833333
aug15on	BINARY VARIABLE-AUGUST 2015 ON	0.7166667
d17on	BINARY VARIABLE-2017 ON	0.6909091
may16on	BINARY VARIABLE-MAY 2016 ON	0.7030303

KENTUCKY POWER COMPANY
 MANUFACTURING CUSTOMERS
 EXOGENOUS VARIABLES

Obs	YEAR	MONTH	time	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	aug15on	d17on	may16on
201	1996	9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
202	1996	10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
203	1996	11	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
204	1996	12	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
205	1997	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
206	1997	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
207	1997	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
208	1997	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
209	1997	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
210	1997	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
211	1997	7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
212	1997	8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
213	1997	9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
214	1997	10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
215	1997	11	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
216	1997	12	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
217	1998	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
218	1998	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
219	1998	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
220	1998	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
221	1998	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
222	1998	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
223	1998	7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
224	1998	8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
225	1998	9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
226	1998	10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
227	1998	11	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
228	1998	12	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
229	1999	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
230	1999	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
231	1999	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
232	1999	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
233	1999	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
234	1999	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
235	1999	7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
236	1999	8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
237	1999	9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
238	1999	10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
239	1999	11	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
240	1999	12	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
241	2000	1	2000.00	1	0	0	0	0	0	0	0	0	0	0	0	0	0
242	2000	2	2000.08	0	1	0	0	0	0	0	0	0	0	0	0	0	0
243	2000	3	2000.17	0	0	1	0	0	0	0	0	0	0	0	0	0	0
244	2000	4	2000.25	0	0	0	1	0	0	0	0	0	0	0	0	0	0
245	2000	5	2000.33	0	0	0	0	1	0	0	0	0	0	0	0	0	0
246	2000	6	2000.42	0	0	0	0	0	1	0	0	0	0	0	0	0	0
247	2000	7	2000.50	0	0	0	0	0	0	1	0	0	0	0	0	0	0
248	2000	8	2000.58	0	0	0	0	0	0	0	1	0	0	0	0	0	0
249	2000	9	2000.67	0	0	0	0	0	0	0	0	1	0	0	0	0	0
250	2000	10	2000.75	0	0	0	0	0	0	0	0	0	1	0	0	0	0

KENTUCKY POWER COMPANY
 MANUFACTURING CUSTOMERS
 EXOGENOUS VARIABLES

Obs	YEAR	MONTH	time	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	aug15on	d17on	may16on
401	2013	5	2013.33	0	0	0	0	1	0	0	0	0	0	0	0	0	0
402	2013	6	2013.42	0	0	0	0	0	1	0	0	0	0	0	0	0	0
403	2013	7	2013.50	0	0	0	0	0	0	1	0	0	0	0	0	0	0
404	2013	8	2013.58	0	0	0	0	0	0	0	1	0	0	0	0	0	0
405	2013	9	2013.67	0	0	0	0	0	0	0	0	1	0	0	0	0	0
406	2013	10	2013.75	0	0	0	0	0	0	0	0	0	1	0	0	0	0
407	2013	11	2013.83	0	0	0	0	0	0	0	0	0	0	1	0	0	0
408	2013	12	2013.92	0	0	0	0	0	0	0	0	0	0	0	0	0	0
409	2014	1	2014.00	1	0	0	0	0	0	0	0	0	0	0	0	0	0
410	2014	2	2014.08	0	1	0	0	0	0	0	0	0	0	0	0	0	0
411	2014	3	2014.17	0	0	1	0	0	0	0	0	0	0	0	0	0	0
412	2014	4	2014.25	0	0	0	1	0	0	0	0	0	0	0	0	0	0
413	2014	5	2014.33	0	0	0	0	1	0	0	0	0	0	0	0	0	0
414	2014	6	2014.42	0	0	0	0	0	1	0	0	0	0	0	0	0	0
415	2014	7	2014.50	0	0	0	0	0	0	1	0	0	0	0	0	0	0
416	2014	8	2014.58	0	0	0	0	0	0	0	1	0	0	0	0	0	0
417	2014	9	2014.67	0	0	0	0	0	0	0	0	1	0	0	0	0	0
418	2014	10	2014.75	0	0	0	0	0	0	0	0	0	1	0	0	0	0
419	2014	11	2014.83	0	0	0	0	0	0	0	0	0	0	1	0	0	0
420	2014	12	2014.92	0	0	0	0	0	0	0	0	0	0	0	0	0	0
421	2015	1	2015.00	1	0	0	0	0	0	0	0	0	0	0	0	0	0
422	2015	2	2015.08	0	1	0	0	0	0	0	0	0	0	0	0	0	0
423	2015	3	2015.17	0	0	1	0	0	0	0	0	0	0	0	0	0	0
424	2015	4	2015.25	0	0	0	1	0	0	0	0	0	0	0	0	0	0
425	2015	5	2015.33	0	0	0	0	1	0	0	0	0	0	0	0	0	0
426	2015	6	2015.42	0	0	0	0	0	1	0	0	0	0	0	0	0	0
427	2015	7	2015.50	0	0	0	0	0	0	1	0	0	0	0	0	0	0
428	2015	8	2015.58	0	0	0	0	0	0	0	1	0	0	0	1	0	0
429	2015	9	2015.67	0	0	0	0	0	0	0	0	1	0	0	1	0	0
430	2015	10	2015.75	0	0	0	0	0	0	0	0	0	1	0	1	0	0
431	2015	11	2015.83	0	0	0	0	0	0	0	0	0	0	1	1	0	0
432	2015	12	2015.92	0	0	0	0	0	0	0	0	0	0	0	1	0	0
433	2016	1	2016.00	1	0	0	0	0	0	0	0	0	0	0	1	0	0
434	2016	2	2016.08	0	1	0	0	0	0	0	0	0	0	0	1	0	0
435	2016	3	2016.17	0	0	1	0	0	0	0	0	0	0	0	1	0	0
436	2016	4	2016.25	0	0	0	1	0	0	0	0	0	0	0	1	0	0
437	2016	5	2016.33	0	0	0	0	1	0	0	0	0	0	0	1	0	1
438	2016	6	2016.42	0	0	0	0	0	1	0	0	0	0	0	1	0	1
439	2016	7	2016.50	0	0	0	0	0	0	1	0	0	0	0	1	0	1
440	2016	8	2016.58	0	0	0	0	0	0	0	1	0	0	0	1	0	1
441	2016	9	2016.67	0	0	0	0	0	0	0	0	1	0	0	1	0	1
442	2016	10	2016.75	0	0	0	0	0	0	0	0	0	1	0	1	0	1
443	2016	11	2016.83	0	0	0	0	0	0	0	0	0	0	1	1	0	1
444	2016	12	2016.92	0	0	0	0	0	0	0	0	0	0	0	1	0	1
445	2017	1	2017.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
446	2017	2	2017.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
447	2017	3	2017.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
448	2017	4	2017.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
449	2017	5	2017.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
450	2017	6	2017.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1

KENTUCKY POWER COMPANY
 MANUFACTURING CUSTOMERS
 EXOGENOUS VARIABLES

Obs	YEAR	MONTH	time	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	aug15on	d17on	may16on
451	2017	7	2017.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
452	2017	8	2017.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
453	2017	9	2017.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
454	2017	10	2017.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
455	2017	11	2017.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
456	2017	12	2017.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
457	2018	1	2018.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
458	2018	2	2018.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
459	2018	3	2018.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
460	2018	4	2018.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
461	2018	5	2018.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
462	2018	6	2018.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
463	2018	7	2018.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
464	2018	8	2018.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
465	2018	9	2018.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
466	2018	10	2018.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
467	2018	11	2018.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
468	2018	12	2018.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
469	2019	1	2019.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
470	2019	2	2019.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
471	2019	3	2019.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
472	2019	4	2019.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
473	2019	5	2019.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
474	2019	6	2019.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
475	2019	7	2019.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
476	2019	8	2019.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
477	2019	9	2019.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
478	2019	10	2019.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
479	2019	11	2019.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
480	2019	12	2019.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
481	2020	1	2020.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
482	2020	2	2020.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
483	2020	3	2020.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
484	2020	4	2020.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
485	2020	5	2020.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
486	2020	6	2020.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
487	2020	7	2020.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
488	2020	8	2020.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
489	2020	9	2020.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
490	2020	10	2020.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
491	2020	11	2020.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
492	2020	12	2020.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
493	2021	1	2021.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
494	2021	2	2021.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
495	2021	3	2021.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
496	2021	4	2021.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
497	2021	5	2021.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
498	2021	6	2021.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
499	2021	7	2021.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
500	2021	8	2021.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1

KENTUCKY POWER COMPANY
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 EXOGENOUS VARIABLES

Obs	YEAR	MONTH	time	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	aug15on	d17on	may16on
501	2021	9	2021.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
502	2021	10	2021.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
503	2021	11	2021.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
504	2021	12	2021.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
505	2022	1	2022.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
506	2022	2	2022.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
507	2022	3	2022.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
508	2022	4	2022.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
509	2022	5	2022.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
510	2022	6	2022.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
511	2022	7	2022.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
512	2022	8	2022.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
513	2022	9	2022.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
514	2022	10	2022.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
515	2022	11	2022.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
516	2022	12	2022.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
517	2023	1	2023.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
518	2023	2	2023.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
519	2023	3	2023.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
520	2023	4	2023.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
521	2023	5	2023.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
522	2023	6	2023.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
523	2023	7	2023.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
524	2023	8	2023.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
525	2023	9	2023.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
526	2023	10	2023.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
527	2023	11	2023.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
528	2023	12	2023.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
529	2024	1	2024.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
530	2024	2	2024.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
531	2024	3	2024.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
532	2024	4	2024.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
533	2024	5	2024.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
534	2024	6	2024.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
535	2024	7	2024.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
536	2024	8	2024.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
537	2024	9	2024.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
538	2024	10	2024.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
539	2024	11	2024.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
540	2024	12	2024.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
541	2025	1	2025.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
542	2025	2	2025.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
543	2025	3	2025.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
544	2025	4	2025.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
545	2025	5	2025.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
546	2025	6	2025.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
547	2025	7	2025.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
548	2025	8	2025.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
549	2025	9	2025.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
550	2025	10	2025.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1

KENTUCKY POWER COMPANY
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Obs	YEAR	MONTH	time	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	aug15on	d17on	may16on
551	2025	11	2025.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
552	2025	12	2025.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
553	2026	1	2026.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
554	2026	2	2026.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
555	2026	3	2026.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
556	2026	4	2026.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
557	2026	5	2026.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
558	2026	6	2026.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
559	2026	7	2026.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
560	2026	8	2026.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
561	2026	9	2026.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
562	2026	10	2026.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
563	2026	11	2026.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
564	2026	12	2026.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
565	2027	1	2027.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
566	2027	2	2027.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
567	2027	3	2027.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
568	2027	4	2027.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
569	2027	5	2027.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
570	2027	6	2027.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
571	2027	7	2027.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
572	2027	8	2027.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
573	2027	9	2027.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
574	2027	10	2027.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
575	2027	11	2027.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
576	2027	12	2027.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
577	2028	1	2028.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
578	2028	2	2028.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
579	2028	3	2028.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
580	2028	4	2028.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
581	2028	5	2028.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
582	2028	6	2028.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
583	2028	7	2028.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
584	2028	8	2028.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
585	2028	9	2028.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
586	2028	10	2028.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
587	2028	11	2028.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
588	2028	12	2028.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
589	2029	1	2029.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
590	2029	2	2029.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
591	2029	3	2029.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
592	2029	4	2029.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
593	2029	5	2029.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
594	2029	6	2029.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
595	2029	7	2029.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
596	2029	8	2029.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
597	2029	9	2029.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
598	2029	10	2029.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
599	2029	11	2029.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
600	2029	12	2029.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1

KENTUCKY POWER COMPANY
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Obs	YEAR	MONTH	time	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	aug15on	d17on	may16on
601	2030	1	2030.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
602	2030	2	2030.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
603	2030	3	2030.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
604	2030	4	2030.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
605	2030	5	2030.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
606	2030	6	2030.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
607	2030	7	2030.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
608	2030	8	2030.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
609	2030	9	2030.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
610	2030	10	2030.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
611	2030	11	2030.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
612	2030	12	2030.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
613	2031	1	2031.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
614	2031	2	2031.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
615	2031	3	2031.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
616	2031	4	2031.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
617	2031	5	2031.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
618	2031	6	2031.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
619	2031	7	2031.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
620	2031	8	2031.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
621	2031	9	2031.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
622	2031	10	2031.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
623	2031	11	2031.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
624	2031	12	2031.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
625	2032	1	2032.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
626	2032	2	2032.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
627	2032	3	2032.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
628	2032	4	2032.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
629	2032	5	2032.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
630	2032	6	2032.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
631	2032	7	2032.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
632	2032	8	2032.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
633	2032	9	2032.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
634	2032	10	2032.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
635	2032	11	2032.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
636	2032	12	2032.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
637	2033	1	2033.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
638	2033	2	2033.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
639	2033	3	2033.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
640	2033	4	2033.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
641	2033	5	2033.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
642	2033	6	2033.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
643	2033	7	2033.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
644	2033	8	2033.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
645	2033	9	2033.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
646	2033	10	2033.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
647	2033	11	2033.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
648	2033	12	2033.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
649	2034	1	2034.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
650	2034	2	2034.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1

KENTUCKY POWER COMPANY
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Obs	YEAR	MONTH	time	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	aug15on	d17on	may16on
651	2034	3	2034.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
652	2034	4	2034.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
653	2034	5	2034.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
654	2034	6	2034.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
655	2034	7	2034.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
656	2034	8	2034.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
657	2034	9	2034.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
658	2034	10	2034.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
659	2034	11	2034.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
660	2034	12	2034.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
661	2035	1	2035.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
662	2035	2	2035.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
663	2035	3	2035.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
664	2035	4	2035.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
665	2035	5	2035.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
666	2035	6	2035.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
667	2035	7	2035.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
668	2035	8	2035.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
669	2035	9	2035.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
670	2035	10	2035.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
671	2035	11	2035.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
672	2035	12	2035.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
673	2036	1	2036.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
674	2036	2	2036.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
675	2036	3	2036.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
676	2036	4	2036.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
677	2036	5	2036.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
678	2036	6	2036.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
679	2036	7	2036.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
680	2036	8	2036.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
681	2036	9	2036.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
682	2036	10	2036.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
683	2036	11	2036.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
684	2036	12	2036.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
685	2037	1	2037.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
686	2037	2	2037.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
687	2037	3	2037.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
688	2037	4	2037.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
689	2037	5	2037.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
690	2037	6	2037.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
691	2037	7	2037.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
692	2037	8	2037.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
693	2037	9	2037.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
694	2037	10	2037.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
695	2037	11	2037.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
696	2037	12	2037.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
697	2038	1	2038.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
698	2038	2	2038.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
699	2038	3	2038.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
700	2038	4	2038.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1

KENTUCKY POWER COMPANY
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Obs	YEAR	MONTH	time	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	aug15on	d17on	may16on
701	2038	5	2038.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
702	2038	6	2038.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
703	2038	7	2038.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
704	2038	8	2038.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
705	2038	9	2038.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
706	2038	10	2038.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
707	2038	11	2038.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
708	2038	12	2038.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
709	2039	1	2039.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
710	2039	2	2039.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
711	2039	3	2039.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
712	2039	4	2039.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
713	2039	5	2039.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
714	2039	6	2039.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
715	2039	7	2039.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
716	2039	8	2039.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
717	2039	9	2039.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
718	2039	10	2039.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
719	2039	11	2039.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
720	2039	12	2039.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
721	2040	1	2040.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
722	2040	2	2040.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
723	2040	3	2040.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
724	2040	4	2040.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
725	2040	5	2040.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
726	2040	6	2040.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
727	2040	7	2040.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
728	2040	8	2040.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
729	2040	9	2040.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
730	2040	10	2040.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
731	2040	11	2040.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
732	2040	12	2040.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
733	2041	1	2041.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
734	2041	2	2041.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
735	2041	3	2041.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
736	2041	4	2041.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
737	2041	5	2041.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
738	2041	6	2041.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
739	2041	7	2041.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
740	2041	8	2041.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
741	2041	9	2041.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
742	2041	10	2041.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
743	2041	11	2041.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
744	2041	12	2041.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
745	2042	1	2042.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
746	2042	2	2042.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
747	2042	3	2042.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
748	2042	4	2042.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
749	2042	5	2042.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
750	2042	6	2042.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1

KENTUCKY POWER COMPANY
 MANUFACTURING CUSTOMERS
 EXOGENOUS VARIABLES

Obs	YEAR	MONTH	time	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	aug15on	d17on	may16on
751	2042	7	2042.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
752	2042	8	2042.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
753	2042	9	2042.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
754	2042	10	2042.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
755	2042	11	2042.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
756	2042	12	2042.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
757	2043	1	2043.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
758	2043	2	2043.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
759	2043	3	2043.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
760	2043	4	2043.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
761	2043	5	2043.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
762	2043	6	2043.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
763	2043	7	2043.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
764	2043	8	2043.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
765	2043	9	2043.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
766	2043	10	2043.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
767	2043	11	2043.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
768	2043	12	2043.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
769	2044	1	2044.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
770	2044	2	2044.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
771	2044	3	2044.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
772	2044	4	2044.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
773	2044	5	2044.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
774	2044	6	2044.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
775	2044	7	2044.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
776	2044	8	2044.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
777	2044	9	2044.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
778	2044	10	2044.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
779	2044	11	2044.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
780	2044	12	2044.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
781	2045	1	2045.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
782	2045	2	2045.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
783	2045	3	2045.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
784	2045	4	2045.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
785	2045	5	2045.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
786	2045	6	2045.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
787	2045	7	2045.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
788	2045	8	2045.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
789	2045	9	2045.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
790	2045	10	2045.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
791	2045	11	2045.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
792	2045	12	2045.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
793	2046	1	2046.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
794	2046	2	2046.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
795	2046	3	2046.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
796	2046	4	2046.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
797	2046	5	2046.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
798	2046	6	2046.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
799	2046	7	2046.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
800	2046	8	2046.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1

KENTUCKY POWER COMPANY
 MANUFACTURING CUSTOMERS
 EXOGENOUS VARIABLES

Obs	YEAR	MONTH	time	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	aug15on	d17on	may16on
801	2046	9	2046.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
802	2046	10	2046.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
803	2046	11	2046.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
804	2046	12	2046.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
805	2047	1	2047.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
806	2047	2	2047.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
807	2047	3	2047.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
808	2047	4	2047.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
809	2047	5	2047.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
810	2047	6	2047.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
811	2047	7	2047.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
812	2047	8	2047.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
813	2047	9	2047.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
814	2047	10	2047.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
815	2047	11	2047.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
816	2047	12	2047.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
817	2048	1	2048.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
818	2048	2	2048.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
819	2048	3	2048.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
820	2048	4	2048.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
821	2048	5	2048.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
822	2048	6	2048.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
823	2048	7	2048.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
824	2048	8	2048.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
825	2048	9	2048.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
826	2048	10	2048.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
827	2048	11	2048.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
828	2048	12	2048.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
829	2049	1	2049.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
830	2049	2	2049.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
831	2049	3	2049.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
832	2049	4	2049.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
833	2049	5	2049.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
834	2049	6	2049.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
835	2049	7	2049.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
836	2049	8	2049.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
837	2049	9	2049.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
838	2049	10	2049.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
839	2049	11	2049.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
840	2049	12	2049.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
841	2050	1	2050.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
842	2050	2	2050.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
843	2050	3	2050.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
844	2050	4	2050.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
845	2050	5	2050.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
846	2050	6	2050.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
847	2050	7	2050.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
848	2050	8	2050.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
849	2050	9	2050.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
850	2050	10	2050.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1

KENTUCKY POWER COMPANY
 MANUFACTURING CUSTOMERS
 EXOGENOUS VARIABLES

Obs	YEAR	MONTH	time	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	aug15on	d17on	may16on
851	2050	11	2050.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
852	2050	12	2050.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
853	2051	1	2051.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
854	2051	2	2051.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
855	2051	3	2051.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
856	2051	4	2051.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
857	2051	5	2051.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
858	2051	6	2051.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
859	2051	7	2051.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
860	2051	8	2051.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
861	2051	9	2051.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
862	2051	10	2051.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
863	2051	11	2051.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
864	2051	12	2051.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
865	2052	1	2052.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
866	2052	2	2052.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
867	2052	3	2052.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
868	2052	4	2052.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
869	2052	5	2052.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
870	2052	6	2052.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
871	2052	7	2052.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
872	2052	8	2052.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
873	2052	9	2052.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
874	2052	10	2052.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
875	2052	11	2052.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
876	2052	12	2052.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
877	2053	1	2053.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
878	2053	2	2053.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
879	2053	3	2053.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
880	2053	4	2053.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
881	2053	5	2053.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
882	2053	6	2053.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
883	2053	7	2053.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
884	2053	8	2053.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
885	2053	9	2053.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
886	2053	10	2053.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
887	2053	11	2053.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
888	2053	12	2053.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1
889	2054	1	2054.00	1	0	0	0	0	0	0	0	0	0	0	1	1	1
890	2054	2	2054.08	0	1	0	0	0	0	0	0	0	0	0	1	1	1
891	2054	3	2054.17	0	0	1	0	0	0	0	0	0	0	0	1	1	1
892	2054	4	2054.25	0	0	0	1	0	0	0	0	0	0	0	1	1	1
893	2054	5	2054.33	0	0	0	0	1	0	0	0	0	0	0	1	1	1
894	2054	6	2054.42	0	0	0	0	0	1	0	0	0	0	0	1	1	1
895	2054	7	2054.50	0	0	0	0	0	0	1	0	0	0	0	1	1	1
896	2054	8	2054.58	0	0	0	0	0	0	0	1	0	0	0	1	1	1
897	2054	9	2054.67	0	0	0	0	0	0	0	0	1	0	0	1	1	1
898	2054	10	2054.75	0	0	0	0	0	0	0	0	0	1	0	1	1	1
899	2054	11	2054.83	0	0	0	0	0	0	0	0	0	0	1	1	1	1
900	2054	12	2054.92	0	0	0	0	0	0	0	0	0	0	0	1	1	1

The SYSLIN Procedure
 Ordinary Least Squares Estimation

Model lci_kpc
 Dependent Variable lci_kpc
 Label INDUSTRIAL CUSTOMERS, LOG

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	15	1.721557	0.114770	329.29	<.0001
Error	212	0.073890	0.000349		
Corrected Total	227	1.795448			

Root MSE 0.01867 R-Square 0.95885
 Dependent Mean 7.22783 Adj R-Sq 0.95593
 Coeff Var 0.25830

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variable Label
Intercept	1	164.7946	4.631350	35.58	<.0001	Intercept
ltime	1	-20.7151	0.608998	-34.02	<.0001	TREND, LOG
d1	1	0.002686	0.006069	0.44	0.6585	January
d2	1	0.000340	0.006069	0.06	0.9553	February
d3	1	0.004412	0.006068	0.73	0.4680	March
d4	1	0.000316	0.006068	0.05	0.9586	April
d5	1	0.002632	0.006067	0.43	0.6648	May
d6	1	0.002493	0.006067	0.41	0.6816	June
d7	1	0.001072	0.006066	0.18	0.8600	July
d8	1	0.006357	0.006058	1.05	0.2952	August
d9	1	0.001374	0.006058	0.23	0.8207	September
d10	1	0.001110	0.006057	0.18	0.8548	October
d11	1	0.003265	0.006057	0.54	0.5904	November
aug15on	1	-0.06487	0.006879	-9.43	<.0001	BINARY VARIABLE-AUGUST 2015 ON
may16on	1	-0.03567	0.009173	-3.89	0.0001	BINARY VARIABLE-MAY 2016 ON
d17on	1	-0.00893	0.007684	-1.16	0.2468	BINARY VARIABLE-2017 ON

The SYSLIN Procedure
Ordinary Least Squares Estimation

Durbin-Watson	0.350233
Number of Observations	228
First-Order Autocorrelation	0.818044

KENTUCKY POWER COMPANY
 MANUFACTURING CUSTOMERS
 MODEL RESIDUALS

TREND

Residual Values
 Sum

2000.000000		*****	0.030391
2000.0833333	*		-0.002163
2000.1666667	****		-0.007976
2000.2500000			-0.000413
2000.3333333	*****		-0.011011
2000.4166667	*****		-0.020562
2000.5000000	*****		-0.012987
2000.5833333		***	0.006704
2000.6666667	*****		-0.027522
2000.7500000		***	-0.005830
2000.8333333	*****		-0.023006
2000.9166667	*****		-0.022220
2001.0000000		*****	-0.012067
2001.0833333		*****	-0.014829
2001.1666667	*****		-0.021370
2001.2500000		*****	-0.014410
2001.3333333		****	0.007837
2001.4166667		****	0.008188
2001.5000000			0.000658
2001.5833333		**	-0.003108
2001.6666667			0.000764
2001.7500000		**	0.004521
2001.8333333		**	0.003885
2001.9166667		*	-0.001217
2002.0000000		*****	-0.017718
2002.0833333			-0.000495
2002.1666667		**	0.003558
2002.2500000		**	-0.004728
2002.3333333		*****	0.036238
2002.4166667		***	-0.005181
2002.5000000		*	-0.002231
2002.5833333		*	0.001969
2002.6666667		*****	-0.016929
2002.7500000		*****	-0.021914
2002.8333333		**	-0.004314
2002.9166667		*****	-0.013646
2003.0000000		*****	-0.019543
2003.0833333		*****	-0.018379
2003.1666667		**	-0.003351
2003.2500000		****	0.007613
2003.3333333		*****	-0.023554
2003.4166667		*****	-0.023924
2003.5000000		*****	-0.026457
2003.5833333		*****	-0.030191
2003.6666667		*****	-0.030569
2003.7500000	*****		-0.039199
2003.8333333		*****	-0.027276
2003.9166667		**	0.003446
2004.0000000		**	-0.003100

KENTUCKY POWER COMPANY
 MANUFACTURING CUSTOMERS
 MODEL RESIDUALS

2004.0833333	*	-0.001246
2004.1666667	****	-0.008527
2004.2500000	*	-0.002890
2004.3333333	*	0.001750
2004.4166667	*****	-0.009477
2004.5000000	****	-0.007195
2004.5833333	*****	-0.012987
2004.6666667	****	-0.008513
2004.7500000	*****	-0.009446
2004.8333333	*****	-0.012115
2004.9166667	****	-0.007988
2005.0000000	***	-0.005011
2005.0833333	***	-0.006607
2005.1666667	**	0.003165
2005.2500000	*****	-0.010378
2005.3333333	*****	-0.015991
2005.4166667		0.000171
2005.5000000	***	-0.005099
2005.5833333	*	0.001443
2005.6666667	*	0.002503
2005.7500000	***	0.006364
2005.8333333	**	-0.003161
2005.9166667	**	0.004402
2006.0000000	***	0.006686
2006.0833333	**	0.003034
2006.1666667	*****	0.012814
2006.2500000	***	0.006155
2006.3333333	*	0.001256
2006.4166667	*****	0.011865
2006.5000000	*****	0.012780
2006.5833333	****	0.008355
2006.6666667	*****	0.012829
2006.7500000	*****	0.016006
2006.8333333	*****	0.014027
2006.9166667	*****	0.015413
2007.0000000	*****	0.014957
2007.0833333	*****	0.009220
2007.1666667	***	0.005316
2007.2500000	*	0.001940
2007.3333333	***	-0.005111
2007.4166667	*	0.002876
2007.5000000	*****	0.010020
2007.5833333	**	0.004902
2007.6666667	****	0.007966
2007.7500000	*	0.001412
2007.8333333	*	-0.001988
2007.9166667	*	-0.002792
2008.0000000	*	-0.001799
2008.0833333	**	0.004919
2008.1666667	***	0.005905
2008.2500000	*	0.002446
2008.3333333		0.000989

KENTUCKY POWER COMPANY
MANUFACTURING CUSTOMERS
MODEL RESIDUALS

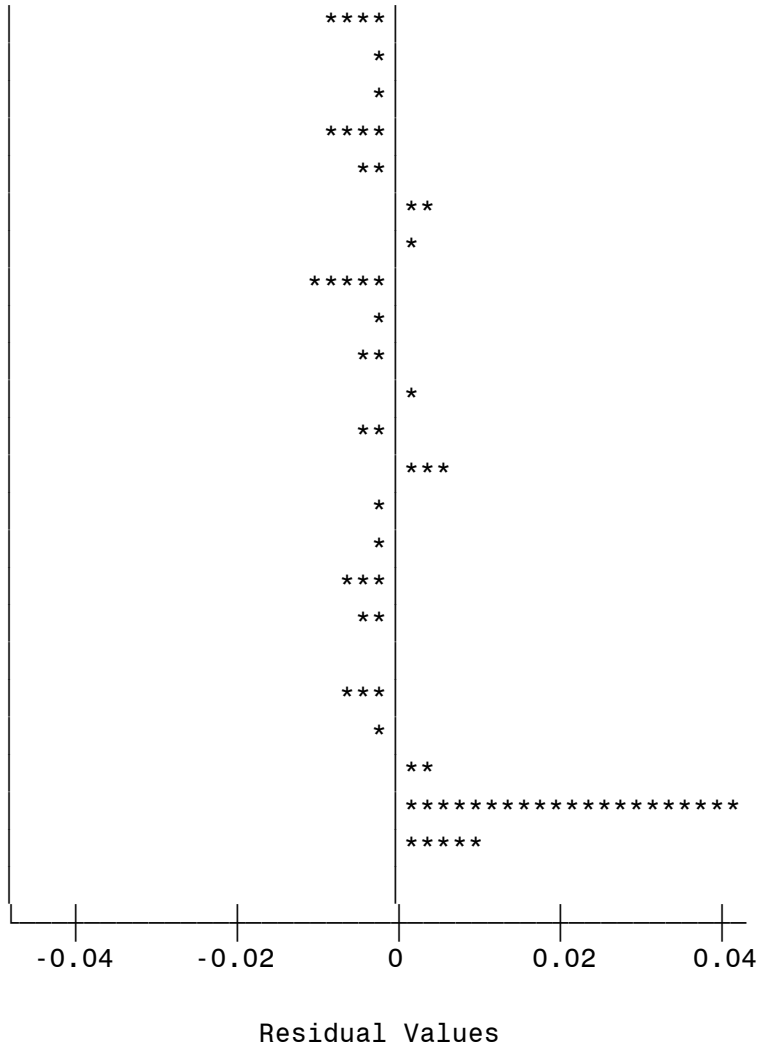
2008.4166667	***	0.006906
2008.5000000	*****	0.014080
2008.5833333	*	0.001251
2008.6666667	*****	0.020366
2008.7500000	*****	0.029094
2008.8333333	*****	0.024349
2008.9166667	*****	0.029164
2009.0000000	*****	0.025263
2009.0833333	*****	0.031922
2009.1666667	*****	0.029399
2009.2500000	*****	0.029519
2009.3333333	*****	0.021809
2009.4166667	*****	0.031826
2009.5000000	*****	0.021598
2009.5833333	*****	0.021359
2009.6666667	*****	0.035522
2009.7500000	*****	0.017119
2009.8333333	*****	0.020039
2009.9166667	*****	0.021354
2010.0000000	*****	0.025137
2010.0833333	*****	0.022028
2010.1666667	*****	0.032097
2010.2500000	*****	0.030084
2010.3333333	*****	0.027926
2010.4166667	*****	0.040059
2010.5000000	*****	0.034697
2010.5833333	*****	0.027477
2010.6666667	*****	0.025596
2010.7500000	*****	0.020357
2010.8333333	*****	0.025422
2010.9166667	*****	0.011771
2011.0000000	*****	0.026308
2011.0833333	*****	0.025269
2011.1666667	*****	0.030524
2011.2500000	*****	0.030547
2011.3333333	*****	0.028383
2011.4166667	*****	0.026550
2011.5000000	*****	0.018857
2011.5833333	*****	0.016575
2011.6666667	*****	0.023844
2011.7500000	*****	0.021394
2011.8333333	*****	0.020096
2011.9166667	*****	0.019196
2012.0000000	*****	0.010148
2012.0833333	***	0.005349
2012.1666667	*****	0.009413
2012.2500000	*****	0.009278
2012.3333333	****	0.007819
2012.4166667	**	0.003702
2012.5000000	***	0.006713
2012.5833333	****	0.008125
2012.6666667	*****	0.010319

KENTUCKY POWER COMPANY
 MANUFACTURING CUSTOMERS
 MODEL RESIDUALS

2012.7500000		***	0.006315
2012.8333333		*	-0.001612
2012.9166667		**	0.004725
2013.0000000		*	0.001420
2013.0833333		**	0.003885
2013.1666667	*****		-0.012722
2013.2500000		*	-0.002539
2013.3333333	*****		-0.013732
2013.4166667	*****		-0.014995
2013.5000000	*****		-0.019527
2013.5833333	*****		-0.027758
2013.6666667	*****		-0.022681
2013.7500000	*****		-0.027680
2013.8333333	*****		-0.029746
2013.9166667	*****		-0.026392
2014.0000000	*****		-0.028990
2014.0833333	*****		-0.024250
2014.1666667	*****		-0.024397
2014.2500000	*****		-0.026359
2014.3333333	*****		-0.017082
2014.4166667	*****		-0.025281
2014.5000000	*****		-0.022233
2014.5833333	*****		-0.029743
2014.6666667	*****		-0.027770
2014.7500000	*****		-0.020471
2014.8333333	*****		-0.035723
2014.9166667	*****		-0.036296
2015.0000000	*****		-0.029535
2015.0833333	*****		-0.042007
2015.1666667	*****		-0.038923
2015.2500000	*****		-0.036327
2015.3333333	*****		-0.046479
2015.4166667	*****		-0.041523
2015.5000000	*****		-0.034513
2015.5833333		*****	0.014854
2015.6666667		*****	0.011100
2015.7500000		***	0.006583
2015.8333333		*	0.002858
2015.9166667		*	-0.002785
2016.0000000	*****		-0.012825
2016.0833333		***	0.005919
2016.1666667	*****		-0.010369
2016.2500000	*****		-0.015333
2016.3333333		*****	0.013047
2016.4166667		*****	0.016546
2016.5000000		***	0.006244
2016.5833333		**	-0.005809
2016.6666667		**	-0.004231
2016.7500000		****	-0.008248
2016.8333333		*****	-0.010406
2016.9166667		****	-0.007144
2017.0000000		***	-0.006086

KENTUCKY POWER COMPANY
 MANUFACTURING CUSTOMERS
 MODEL RESIDUALS

2017.0833333	****	-0.007219
2017.1666667	*	-0.002647
2017.2500000	*	-0.002014
2017.3333333	****	-0.007813
2017.4166667	**	-0.004213
2017.5000000	**	0.004979
2017.5833333	*	0.002270
2017.6666667	*****	-0.010114
2017.7500000	*	-0.001143
2017.8333333	**	-0.003312
2017.9166667	*	0.001677
2018.0000000	**	-0.003635
2018.0833333	***	0.005651
2018.1666667	*	-0.001908
2018.2500000	*	-0.002191
2018.3333333	***	-0.006281
2018.4166667	**	-0.003533
2018.5000000		-0.000382
2018.5833333	***	-0.005687
2018.6666667	*	-0.002480
2018.7500000	**	0.004767
2018.8333333	*****	0.041983
2018.9166667	*****	0.009331



KENTUCKY POWER COMPANY
 MANUFACTURING CUSTOMERS
 ACTUAL AND FORECAST

YEAR	CUSTOMERS	GROWTH RATE
1980	.	.
1981	.	.
1982	.	.
1983	.	.
1984	.	.
1985	.	.
1986	.	.
1987	.	.
1988	.	.
1989	.	.
1990	.	.
1991	.	.
1992	.	.
1993	.	.
1994	.	.
1995	.	.
1996	.	.
1997	.	.
1998	.	.
1999	.	.
2000	1526.08	.
2001	1517.17	-0.6
2002	1501.17	-1.1
2003	1462.83	-2.6
2004	1465.83	0.2
2005	1457.25	-0.6
2006	1460.33	0.2
2007	1436.67	-1.6
2008	1432.50	-0.3
2009	1437.92	0.4
2010	1425.08	-0.9
2011	1406.33	-1.3
2012	1368.08	-2.7
2013	1323.75	-3.2
2014	1296.42	-2.1
2015	1257.58	-3.0
2016	1190.50	-5.3
2017	1153.58	-3.1
2018	1148.67	-0.4
2019	1133.50	-1.3
2020	1121.94	-1.0
2021	1110.50	-1.0
2022	1099.18	-1.0
2023	1087.98	-1.0
2024	1076.90	-1.0
2025	1065.94	-1.0
2026	1055.10	-1.0
2027	1044.37	-1.0
2028	1033.75	-1.0

KENTUCKY POWER COMPANY
MANUFACTURING CUSTOMERS
ACTUAL AND FORECAST

YEAR	CUSTOMERS	GROWTH RATE
2029	1023.25	-1
2030	1012.86	-1
2031	1002.59	-1
2032	992.42	-1
2033	982.36	-1
2034	972.40	-1
2035	962.55	-1
2036	952.81	-1
2037	943.17	-1
2038	933.63	-1
2039	924.19	-1
2040	914.86	-1
2041	905.62	-1
2042	896.48	-1
2043	887.43	-1
2044	878.48	-1
2045	869.63	-1
2046	860.87	-1
2047	852.20	-1
2048	843.62	-1
2049	835.14	-1
2050	826.74	-1
2051	818.43	-1
2052	810.21	-1
2053	802.08	-1
2054	794.03	-1

The MEANS Procedure

Variable	Label	Mean
YEAR	YEAR	2017.00
MONTH	MONTH	6.5000000
cu_kpc	OTHER RETAIL CUSTOMERS	399.2105263

KENTUCKY POWER COMPANY
OTHER ULTIMATE CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	cu_kpc
1	1980	1	.
2	1980	2	.
3	1980	3	.
4	1980	4	.
5	1980	5	.
6	1980	6	.
7	1980	7	.
8	1980	8	.
9	1980	9	.
10	1980	10	.
11	1980	11	.
12	1980	12	.
13	1981	1	.
14	1981	2	.
15	1981	3	.
16	1981	4	.
17	1981	5	.
18	1981	6	.
19	1981	7	.
20	1981	8	.
21	1981	9	.
22	1981	10	.
23	1981	11	.
24	1981	12	.
25	1982	1	.
26	1982	2	.
27	1982	3	.
28	1982	4	.
29	1982	5	.
30	1982	6	.
31	1982	7	.
32	1982	8	.
33	1982	9	.
34	1982	10	.
35	1982	11	.
36	1982	12	.
37	1983	1	.
38	1983	2	.
39	1983	3	.
40	1983	4	.
41	1983	5	.
42	1983	6	.
43	1983	7	.
44	1983	8	.
45	1983	9	.
46	1983	10	.
47	1983	11	.
48	1983	12	.
49	1984	1	.
50	1984	2	.

KENTUCKY POWER COMPANY
OTHER ULTIMATE CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	cu_kpc
51	1984	3	.
52	1984	4	.
53	1984	5	.
54	1984	6	.
55	1984	7	.
56	1984	8	.
57	1984	9	.
58	1984	10	.
59	1984	11	.
60	1984	12	.
61	1985	1	.
62	1985	2	.
63	1985	3	.
64	1985	4	.
65	1985	5	.
66	1985	6	.
67	1985	7	.
68	1985	8	.
69	1985	9	.
70	1985	10	.
71	1985	11	.
72	1985	12	.
73	1986	1	.
74	1986	2	.
75	1986	3	.
76	1986	4	.
77	1986	5	.
78	1986	6	.
79	1986	7	.
80	1986	8	.
81	1986	9	.
82	1986	10	.
83	1986	11	.
84	1986	12	.
85	1987	1	.
86	1987	2	.
87	1987	3	.
88	1987	4	.
89	1987	5	.
90	1987	6	.
91	1987	7	.
92	1987	8	.
93	1987	9	.
94	1987	10	.
95	1987	11	.
96	1987	12	.
97	1988	1	.
98	1988	2	.
99	1988	3	.
100	1988	4	.

KENTUCKY POWER COMPANY
OTHER ULTIMATE CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	cu_kpc
101	1988	5	.
102	1988	6	.
103	1988	7	.
104	1988	8	.
105	1988	9	.
106	1988	10	.
107	1988	11	.
108	1988	12	.
109	1989	1	.
110	1989	2	.
111	1989	3	.
112	1989	4	.
113	1989	5	.
114	1989	6	.
115	1989	7	.
116	1989	8	.
117	1989	9	.
118	1989	10	.
119	1989	11	.
120	1989	12	.
121	1990	1	.
122	1990	2	.
123	1990	3	.
124	1990	4	.
125	1990	5	.
126	1990	6	.
127	1990	7	.
128	1990	8	.
129	1990	9	.
130	1990	10	.
131	1990	11	.
132	1990	12	.
133	1991	1	.
134	1991	2	.
135	1991	3	.
136	1991	4	.
137	1991	5	.
138	1991	6	.
139	1991	7	.
140	1991	8	.
141	1991	9	.
142	1991	10	.
143	1991	11	.
144	1991	12	.
145	1992	1	.
146	1992	2	.
147	1992	3	.
148	1992	4	.
149	1992	5	.
150	1992	6	.

KENTUCKY POWER COMPANY
OTHER ULTIMATE CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	cu_kpc
151	1992	7	.
152	1992	8	.
153	1992	9	.
154	1992	10	.
155	1992	11	.
156	1992	12	.
157	1993	1	.
158	1993	2	.
159	1993	3	.
160	1993	4	.
161	1993	5	.
162	1993	6	.
163	1993	7	.
164	1993	8	.
165	1993	9	.
166	1993	10	.
167	1993	11	.
168	1993	12	.
169	1994	1	.
170	1994	2	.
171	1994	3	.
172	1994	4	.
173	1994	5	.
174	1994	6	.
175	1994	7	.
176	1994	8	.
177	1994	9	.
178	1994	10	.
179	1994	11	.
180	1994	12	.
181	1995	1	.
182	1995	2	.
183	1995	3	.
184	1995	4	.
185	1995	5	.
186	1995	6	.
187	1995	7	.
188	1995	8	.
189	1995	9	.
190	1995	10	.
191	1995	11	.
192	1995	12	.
193	1996	1	.
194	1996	2	.
195	1996	3	.
196	1996	4	.
197	1996	5	.
198	1996	6	.
199	1996	7	.
200	1996	8	.

KENTUCKY POWER COMPANY
 OTHER ULTIMATE CUSTOMERS
 ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	cu_kpc
201	1996	9	.
202	1996	10	.
203	1996	11	.
204	1996	12	.
205	1997	1	.
206	1997	2	.
207	1997	3	.
208	1997	4	.
209	1997	5	.
210	1997	6	.
211	1997	7	.
212	1997	8	.
213	1997	9	.
214	1997	10	.
215	1997	11	.
216	1997	12	.
217	1998	1	.
218	1998	2	.
219	1998	3	.
220	1998	4	.
221	1998	5	.
222	1998	6	.
223	1998	7	.
224	1998	8	.
225	1998	9	.
226	1998	10	.
227	1998	11	.
228	1998	12	.
229	1999	1	.
230	1999	2	.
231	1999	3	.
232	1999	4	.
233	1999	5	.
234	1999	6	.
235	1999	7	.
236	1999	8	.
237	1999	9	.
238	1999	10	.
239	1999	11	.
240	1999	12	.
241	2000	1	533
242	2000	2	530
243	2000	3	530
244	2000	4	532
245	2000	5	531
246	2000	6	534
247	2000	7	534
248	2000	8	532
249	2000	9	536
250	2000	10	532

KENTUCKY POWER COMPANY
OTHER ULTIMATE CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	cu_kpc
251	2000	11	532
252	2000	12	471
253	2001	1	471
254	2001	2	446
255	2001	3	446
256	2001	4	445
257	2001	5	446
258	2001	6	445
259	2001	7	446
260	2001	8	445
261	2001	9	444
262	2001	10	444
263	2001	11	444
264	2001	12	443
265	2002	1	441
266	2002	2	438
267	2002	3	439
268	2002	4	439
269	2002	5	439
270	2002	6	439
271	2002	7	439
272	2002	8	438
273	2002	9	500
274	2002	10	440
275	2002	11	440
276	2002	12	448
277	2003	1	451
278	2003	2	454
279	2003	3	455
280	2003	4	447
281	2003	5	447
282	2003	6	446
283	2003	7	446
284	2003	8	447
285	2003	9	445
286	2003	10	445
287	2003	11	445
288	2003	12	444
289	2004	1	443
290	2004	2	442
291	2004	3	441
292	2004	4	439
293	2004	5	439
294	2004	6	439
295	2004	7	442
296	2004	8	444
297	2004	9	444
298	2004	10	444
299	2004	11	444
300	2004	12	442

KENTUCKY POWER COMPANY
OTHER ULTIMATE CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	cu_kpc
301	2005	1	445
302	2005	2	441
303	2005	3	445
304	2005	4	451
305	2005	5	443
306	2005	6	444
307	2005	7	445
308	2005	8	385
309	2005	9	381
310	2005	10	381
311	2005	11	386
312	2005	12	382
313	2006	1	380
314	2006	2	381
315	2006	3	383
316	2006	4	381
317	2006	5	379
318	2006	6	380
319	2006	7	381
320	2006	8	381
321	2006	9	379
322	2006	10	379
323	2006	11	380
324	2006	12	380
325	2007	1	378
326	2007	2	376
327	2007	3	376
328	2007	4	374
329	2007	5	374
330	2007	6	373
331	2007	7	372
332	2007	8	365
333	2007	9	388
334	2007	10	377
335	2007	11	374
336	2007	12	373
337	2008	1	380
338	2008	2	379
339	2008	3	376
340	2008	4	383
341	2008	5	374
342	2008	6	373
343	2008	7	386
344	2008	8	380
345	2008	9	376
346	2008	10	379
347	2008	11	373
348	2008	12	384
349	2009	1	375
350	2009	2	376

KENTUCKY POWER COMPANY
OTHER ULTIMATE CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	cu_kpc
351	2009	3	380
352	2009	4	373
353	2009	5	372
354	2009	6	373
355	2009	7	370
356	2009	8	369
357	2009	9	379
358	2009	10	375
359	2009	11	366
360	2009	12	366
361	2010	1	362
362	2010	2	367
363	2010	3	363
364	2010	4	369
365	2010	5	372
366	2010	6	388
367	2010	7	406
368	2010	8	412
369	2010	9	411
370	2010	10	414
371	2010	11	417
372	2010	12	410
373	2011	1	407
374	2011	2	402
375	2011	3	411
376	2011	4	434
377	2011	5	413
378	2011	6	412
379	2011	7	411
380	2011	8	407
381	2011	9	407
382	2011	10	420
383	2011	11	407
384	2011	12	405
385	2012	1	405
386	2012	2	404
387	2012	3	404
388	2012	4	402
389	2012	5	401
390	2012	6	401
391	2012	7	399
392	2012	8	399
393	2012	9	398
394	2012	10	399
395	2012	11	399
396	2012	12	395
397	2013	1	393
398	2013	2	392
399	2013	3	391
400	2013	4	389

KENTUCKY POWER COMPANY
OTHER ULTIMATE CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	cu_kpc
401	2013	5	390
402	2013	6	388
403	2013	7	388
404	2013	8	387
405	2013	9	376
406	2013	10	376
407	2013	11	375
408	2013	12	373
409	2014	1	373
410	2014	2	374
411	2014	3	373
412	2014	4	372
413	2014	5	370
414	2014	6	370
415	2014	7	369
416	2014	8	369
417	2014	9	369
418	2014	10	365
419	2014	11	365
420	2014	12	365
421	2015	1	363
422	2015	2	364
423	2015	3	364
424	2015	4	364
425	2015	5	362
426	2015	6	310
427	2015	7	414
428	2015	8	359
429	2015	9	358
430	2015	10	357
431	2015	11	357
432	2015	12	352
433	2016	1	352
434	2016	2	351
435	2016	3	350
436	2016	4	352
437	2016	5	351
438	2016	6	350
439	2016	7	349
440	2016	8	347
441	2016	9	372
442	2016	10	347
443	2016	11	347
444	2016	12	346
445	2017	1	347
446	2017	2	347
447	2017	3	348
448	2017	4	346
449	2017	5	345
450	2017	6	345

KENTUCKY POWER COMPANY
OTHER ULTIMATE CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	cu_kpc
451	2017	7	345
452	2017	8	345
453	2017	9	341
454	2017	10	343
455	2017	11	343
456	2017	12	343
457	2018	1	342
458	2018	2	342
459	2018	3	342
460	2018	4	342
461	2018	5	341
462	2018	6	296
463	2018	7	378
464	2018	8	333
465	2018	9	332
466	2018	10	332
467	2018	11	331
468	2018	12	331
469	2019	1	.
470	2019	2	.
471	2019	3	.
472	2019	4	.
473	2019	5	.
474	2019	6	.
475	2019	7	.
476	2019	8	.
477	2019	9	.
478	2019	10	.
479	2019	11	.
480	2019	12	.
481	2020	1	.
482	2020	2	.
483	2020	3	.
484	2020	4	.
485	2020	5	.
486	2020	6	.
487	2020	7	.
488	2020	8	.
489	2020	9	.
490	2020	10	.
491	2020	11	.
492	2020	12	.
493	2021	1	.
494	2021	2	.
495	2021	3	.
496	2021	4	.
497	2021	5	.
498	2021	6	.
499	2021	7	.
500	2021	8	.

KENTUCKY POWER COMPANY
OTHER ULTIMATE CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	cu_kpc
501	2021	9	.
502	2021	10	.
503	2021	11	.
504	2021	12	.
505	2022	1	.
506	2022	2	.
507	2022	3	.
508	2022	4	.
509	2022	5	.
510	2022	6	.
511	2022	7	.
512	2022	8	.
513	2022	9	.
514	2022	10	.
515	2022	11	.
516	2022	12	.
517	2023	1	.
518	2023	2	.
519	2023	3	.
520	2023	4	.
521	2023	5	.
522	2023	6	.
523	2023	7	.
524	2023	8	.
525	2023	9	.
526	2023	10	.
527	2023	11	.
528	2023	12	.
529	2024	1	.
530	2024	2	.
531	2024	3	.
532	2024	4	.
533	2024	5	.
534	2024	6	.
535	2024	7	.
536	2024	8	.
537	2024	9	.
538	2024	10	.
539	2024	11	.
540	2024	12	.
541	2025	1	.
542	2025	2	.
543	2025	3	.
544	2025	4	.
545	2025	5	.
546	2025	6	.
547	2025	7	.
548	2025	8	.
549	2025	9	.
550	2025	10	.

KENTUCKY POWER COMPANY
OTHER ULTIMATE CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	cu_kpc
551	2025	11	.
552	2025	12	.
553	2026	1	.
554	2026	2	.
555	2026	3	.
556	2026	4	.
557	2026	5	.
558	2026	6	.
559	2026	7	.
560	2026	8	.
561	2026	9	.
562	2026	10	.
563	2026	11	.
564	2026	12	.
565	2027	1	.
566	2027	2	.
567	2027	3	.
568	2027	4	.
569	2027	5	.
570	2027	6	.
571	2027	7	.
572	2027	8	.
573	2027	9	.
574	2027	10	.
575	2027	11	.
576	2027	12	.
577	2028	1	.
578	2028	2	.
579	2028	3	.
580	2028	4	.
581	2028	5	.
582	2028	6	.
583	2028	7	.
584	2028	8	.
585	2028	9	.
586	2028	10	.
587	2028	11	.
588	2028	12	.
589	2029	1	.
590	2029	2	.
591	2029	3	.
592	2029	4	.
593	2029	5	.
594	2029	6	.
595	2029	7	.
596	2029	8	.
597	2029	9	.
598	2029	10	.
599	2029	11	.
600	2029	12	.

KENTUCKY POWER COMPANY
OTHER ULTIMATE CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	cu_kpc
601	2030	1	.
602	2030	2	.
603	2030	3	.
604	2030	4	.
605	2030	5	.
606	2030	6	.
607	2030	7	.
608	2030	8	.
609	2030	9	.
610	2030	10	.
611	2030	11	.
612	2030	12	.
613	2031	1	.
614	2031	2	.
615	2031	3	.
616	2031	4	.
617	2031	5	.
618	2031	6	.
619	2031	7	.
620	2031	8	.
621	2031	9	.
622	2031	10	.
623	2031	11	.
624	2031	12	.
625	2032	1	.
626	2032	2	.
627	2032	3	.
628	2032	4	.
629	2032	5	.
630	2032	6	.
631	2032	7	.
632	2032	8	.
633	2032	9	.
634	2032	10	.
635	2032	11	.
636	2032	12	.
637	2033	1	.
638	2033	2	.
639	2033	3	.
640	2033	4	.
641	2033	5	.
642	2033	6	.
643	2033	7	.
644	2033	8	.
645	2033	9	.
646	2033	10	.
647	2033	11	.
648	2033	12	.
649	2034	1	.
650	2034	2	.

KENTUCKY POWER COMPANY
OTHER ULTIMATE CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	cu_kpc
651	2034	3	.
652	2034	4	.
653	2034	5	.
654	2034	6	.
655	2034	7	.
656	2034	8	.
657	2034	9	.
658	2034	10	.
659	2034	11	.
660	2034	12	.
661	2035	1	.
662	2035	2	.
663	2035	3	.
664	2035	4	.
665	2035	5	.
666	2035	6	.
667	2035	7	.
668	2035	8	.
669	2035	9	.
670	2035	10	.
671	2035	11	.
672	2035	12	.
673	2036	1	.
674	2036	2	.
675	2036	3	.
676	2036	4	.
677	2036	5	.
678	2036	6	.
679	2036	7	.
680	2036	8	.
681	2036	9	.
682	2036	10	.
683	2036	11	.
684	2036	12	.
685	2037	1	.
686	2037	2	.
687	2037	3	.
688	2037	4	.
689	2037	5	.
690	2037	6	.
691	2037	7	.
692	2037	8	.
693	2037	9	.
694	2037	10	.
695	2037	11	.
696	2037	12	.
697	2038	1	.
698	2038	2	.
699	2038	3	.
700	2038	4	.

KENTUCKY POWER COMPANY
OTHER ULTIMATE CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	cu_kpc
701	2038	5	.
702	2038	6	.
703	2038	7	.
704	2038	8	.
705	2038	9	.
706	2038	10	.
707	2038	11	.
708	2038	12	.
709	2039	1	.
710	2039	2	.
711	2039	3	.
712	2039	4	.
713	2039	5	.
714	2039	6	.
715	2039	7	.
716	2039	8	.
717	2039	9	.
718	2039	10	.
719	2039	11	.
720	2039	12	.
721	2040	1	.
722	2040	2	.
723	2040	3	.
724	2040	4	.
725	2040	5	.
726	2040	6	.
727	2040	7	.
728	2040	8	.
729	2040	9	.
730	2040	10	.
731	2040	11	.
732	2040	12	.
733	2041	1	.
734	2041	2	.
735	2041	3	.
736	2041	4	.
737	2041	5	.
738	2041	6	.
739	2041	7	.
740	2041	8	.
741	2041	9	.
742	2041	10	.
743	2041	11	.
744	2041	12	.
745	2042	1	.
746	2042	2	.
747	2042	3	.
748	2042	4	.
749	2042	5	.
750	2042	6	.

KENTUCKY POWER COMPANY
OTHER ULTIMATE CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	cu_kpc
751	2042	7	.
752	2042	8	.
753	2042	9	.
754	2042	10	.
755	2042	11	.
756	2042	12	.
757	2043	1	.
758	2043	2	.
759	2043	3	.
760	2043	4	.
761	2043	5	.
762	2043	6	.
763	2043	7	.
764	2043	8	.
765	2043	9	.
766	2043	10	.
767	2043	11	.
768	2043	12	.
769	2044	1	.
770	2044	2	.
771	2044	3	.
772	2044	4	.
773	2044	5	.
774	2044	6	.
775	2044	7	.
776	2044	8	.
777	2044	9	.
778	2044	10	.
779	2044	11	.
780	2044	12	.
781	2045	1	.
782	2045	2	.
783	2045	3	.
784	2045	4	.
785	2045	5	.
786	2045	6	.
787	2045	7	.
788	2045	8	.
789	2045	9	.
790	2045	10	.
791	2045	11	.
792	2045	12	.
793	2046	1	.
794	2046	2	.
795	2046	3	.
796	2046	4	.
797	2046	5	.
798	2046	6	.
799	2046	7	.
800	2046	8	.

KENTUCKY POWER COMPANY
OTHER ULTIMATE CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	cu_kpc
801	2046	9	.
802	2046	10	.
803	2046	11	.
804	2046	12	.
805	2047	1	.
806	2047	2	.
807	2047	3	.
808	2047	4	.
809	2047	5	.
810	2047	6	.
811	2047	7	.
812	2047	8	.
813	2047	9	.
814	2047	10	.
815	2047	11	.
816	2047	12	.
817	2048	1	.
818	2048	2	.
819	2048	3	.
820	2048	4	.
821	2048	5	.
822	2048	6	.
823	2048	7	.
824	2048	8	.
825	2048	9	.
826	2048	10	.
827	2048	11	.
828	2048	12	.
829	2049	1	.
830	2049	2	.
831	2049	3	.
832	2049	4	.
833	2049	5	.
834	2049	6	.
835	2049	7	.
836	2049	8	.
837	2049	9	.
838	2049	10	.
839	2049	11	.
840	2049	12	.
841	2050	1	.
842	2050	2	.
843	2050	3	.
844	2050	4	.
845	2050	5	.
846	2050	6	.
847	2050	7	.
848	2050	8	.
849	2050	9	.
850	2050	10	.

KENTUCKY POWER COMPANY
OTHER ULTIMATE CUSTOMERS
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	cu_kpc
851	2050	11	.
852	2050	12	.
853	2051	1	.
854	2051	2	.
855	2051	3	.
856	2051	4	.
857	2051	5	.
858	2051	6	.
859	2051	7	.
860	2051	8	.
861	2051	9	.
862	2051	10	.
863	2051	11	.
864	2051	12	.
865	2052	1	.
866	2052	2	.
867	2052	3	.
868	2052	4	.
869	2052	5	.
870	2052	6	.
871	2052	7	.
872	2052	8	.
873	2052	9	.
874	2052	10	.
875	2052	11	.
876	2052	12	.
877	2053	1	.
878	2053	2	.
879	2053	3	.
880	2053	4	.
881	2053	5	.
882	2053	6	.
883	2053	7	.
884	2053	8	.
885	2053	9	.
886	2053	10	.
887	2053	11	.
888	2053	12	.
889	2054	1	.
890	2054	2	.
891	2054	3	.
892	2054	4	.
893	2054	5	.
894	2054	6	.
895	2054	7	.
896	2054	8	.
897	2054	9	.
898	2054	10	.
899	2054	11	.
900	2054	12	.

The MEANS Procedure

Variable	Label	Mean
YEAR	YEAR	2017.00
MONTH	MONTH	6.5000000
L_kpc	SERVICE AREA EMPLOYMENT	129.3775928
D010N	BINARY VARIABLE-2001 ON	0.9818182
d053on	BINARY VARIABLE-JULY 2005 ON	0.9000000
daug10on	BINARY VARIABLE-AUGUST 2010 ON	0.8075758
d1	January	0.0833333
d2	February	0.0833333
d3	March	0.0833333
d4	April	0.0833333
d5	May	0.0833333
d6	June	0.0833333
d7	July	0.0833333
d8	August	0.0833333
d9	September	0.0833333
d10	October	0.0833333
d11	November	0.0833333
d12on	BINARYT VARIABLE-2012 ON	0.7818182
jul13on	BINARY VARIABLE-JULY 2013 ON	0.7545455

KENTUCKY POWER COMPANY
 OTHER ULTIMATE CUSTOMERS
 EXOGENOUS VARIABLES

Obs	YEAR	MONTH	L_kpc	D010N	d053on	daug10on	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	d12on	ju113on	
201	1996	9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
202	1996	10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
203	1996	11	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
204	1996	12	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
205	1997	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
206	1997	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
207	1997	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
208	1997	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
209	1997	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
210	1997	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
211	1997	7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
212	1997	8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
213	1997	9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
214	1997	10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
215	1997	11	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
216	1997	12	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
217	1998	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
218	1998	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
219	1998	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
220	1998	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
221	1998	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
222	1998	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
223	1998	7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
224	1998	8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
225	1998	9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
226	1998	10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
227	1998	11	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
228	1998	12	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
229	1999	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
230	1999	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
231	1999	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
232	1999	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
233	1999	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
234	1999	6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
235	1999	7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
236	1999	8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
237	1999	9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
238	1999	10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
239	1999	11	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
240	1999	12	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
241	2000	1	141.665	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
242	2000	2	141.770	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
243	2000	3	141.894	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
244	2000	4	142.037	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
245	2000	5	142.199	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
246	2000	6	142.379	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
247	2000	7	142.575	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
248	2000	8	142.791	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
249	2000	9	143.020	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
250	2000	10	143.253	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0

KENTUCKY POWER COMPANY
OTHER ULTIMATE CUSTOMERS
EXOGENOUS VARIABLES

Obs	YEAR	MONTH	L_kpc	D010N	d053on	daug10on	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	d12on	ju13on
401	2013	5	133.495	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	0
402	2013	6	133.147	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	0
403	2013	7	132.832	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1
404	2013	8	132.545	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1
405	2013	9	132.296	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1
406	2013	10	132.077	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1
407	2013	11	131.886	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1
408	2013	12	131.720	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1
409	2014	1	131.573	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1
410	2014	2	131.451	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1
411	2014	3	131.348	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1
412	2014	4	131.256	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1
413	2014	5	131.174	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1
414	2014	6	131.106	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1
415	2014	7	131.043	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1
416	2014	8	130.985	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1
417	2014	9	130.929	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1
418	2014	10	130.863	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1
419	2014	11	130.790	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1
420	2014	12	130.697	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1
421	2015	1	130.585	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1
422	2015	2	130.457	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1
423	2015	3	130.294	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1
424	2015	4	130.094	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1
425	2015	5	129.852	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1
426	2015	6	129.568	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1
427	2015	7	129.234	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1
428	2015	8	128.848	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1
429	2015	9	128.427	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1
430	2015	10	127.977	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1
431	2015	11	127.510	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1
432	2015	12	127.034	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1
433	2016	1	126.548	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1
434	2016	2	126.092	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1
435	2016	3	125.654	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1
436	2016	4	125.239	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1
437	2016	5	124.862	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1
438	2016	6	124.534	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1
439	2016	7	124.265	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1
440	2016	8	124.051	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1
441	2016	9	123.896	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1
442	2016	10	123.782	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1
443	2016	11	123.707	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1
444	2016	12	123.663	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1
445	2017	1	123.638	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1
446	2017	2	123.630	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1
447	2017	3	123.622	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1
448	2017	4	123.618	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1
449	2017	5	123.601	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1
450	2017	6	123.572	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1

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Obs	YEAR	MONTH	L_kpc	D010N	d053on	daug10on	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	d12on	ju13on
451	2017	7	123.516	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1
452	2017	8	123.433	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1
453	2017	9	123.330	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1
454	2017	10	123.217	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1
455	2017	11	123.087	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1
456	2017	12	122.956	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1
457	2018	1	122.825	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1
458	2018	2	122.706	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1
459	2018	3	122.599	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1
460	2018	4	122.502	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1
461	2018	5	122.433	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1
462	2018	6	122.389	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1
463	2018	7	122.377	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1
464	2018	8	122.401	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1
465	2018	9	122.452	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1
466	2018	10	122.526	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1
467	2018	11	122.622	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1
468	2018	12	122.728	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1
469	2019	1	122.849	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1
470	2019	2	122.963	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1
471	2019	3	123.080	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1
472	2019	4	123.193	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1
473	2019	5	123.295	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1
474	2019	6	123.377	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1
475	2019	7	123.441	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1
476	2019	8	123.478	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1
477	2019	9	123.495	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1
478	2019	10	123.491	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1
479	2019	11	123.472	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1
480	2019	12	123.433	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1
481	2020	1	123.382	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1
482	2020	2	123.323	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1
483	2020	3	123.249	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1
484	2020	4	123.167	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1
485	2020	5	123.082	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1
486	2020	6	122.987	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1
487	2020	7	122.892	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1
488	2020	8	122.795	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1
489	2020	9	122.700	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1
490	2020	10	122.606	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1
491	2020	11	122.517	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1
492	2020	12	122.432	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1
493	2021	1	122.349	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1
494	2021	2	122.284	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1
495	2021	3	122.221	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1
496	2021	4	122.168	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1
497	2021	5	122.127	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1
498	2021	6	122.099	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1
499	2021	7	122.085	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1
500	2021	8	122.084	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1

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Obs	YEAR	MONTH	L_kpc	D010N	d053on	daug10on	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	d12on	ju13on
501	2021	9	122.096	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1
502	2021	10	122.119	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1
503	2021	11	122.149	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1
504	2021	12	122.185	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1
505	2022	1	122.230	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1
506	2022	2	122.273	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1
507	2022	3	122.320	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1
508	2022	4	122.366	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1
509	2022	5	122.411	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1
510	2022	6	122.451	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1
511	2022	7	122.485	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1
512	2022	8	122.511	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1
513	2022	9	122.535	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1
514	2022	10	122.549	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1
515	2022	11	122.561	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1
516	2022	12	122.570	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1
517	2023	1	122.575	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1
518	2023	2	122.576	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1
519	2023	3	122.578	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1
520	2023	4	122.580	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1
521	2023	5	122.579	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1
522	2023	6	122.583	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1
523	2023	7	122.585	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1
524	2023	8	122.589	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1
525	2023	9	122.596	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1
526	2023	10	122.603	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1
527	2023	11	122.611	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1
528	2023	12	122.622	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1
529	2024	1	122.633	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1
530	2024	2	122.647	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1
531	2024	3	122.657	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1
532	2024	4	122.668	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1
533	2024	5	122.676	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1
534	2024	6	122.690	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1
535	2024	7	122.701	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1
536	2024	8	122.710	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1
537	2024	9	122.719	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1
538	2024	10	122.725	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1
539	2024	11	122.735	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1
540	2024	12	122.739	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1
541	2025	1	122.746	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1
542	2025	2	122.751	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1
543	2025	3	122.756	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1
544	2025	4	122.761	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1
545	2025	5	122.765	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1
546	2025	6	122.769	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1
547	2025	7	122.770	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1
548	2025	8	122.774	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1
549	2025	9	122.777	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1
550	2025	10	122.780	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1

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Obs	YEAR	MONTH	L_kpc	D010N	d053on	daug10on	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	d12on	ju13on
701	2038	5	124.334	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1
702	2038	6	124.352	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1
703	2038	7	124.375	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1
704	2038	8	124.396	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1
705	2038	9	124.416	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1
706	2038	10	124.439	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1
707	2038	11	124.461	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1
708	2038	12	124.483	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1
709	2039	1	124.507	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1
710	2039	2	124.531	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1
711	2039	3	124.552	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1
712	2039	4	124.576	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1
713	2039	5	124.601	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1
714	2039	6	124.627	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1
715	2039	7	124.654	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1
716	2039	8	124.682	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1
717	2039	9	124.709	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1
718	2039	10	124.740	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1
719	2039	11	124.769	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1
720	2039	12	124.797	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1
721	2040	1	124.828	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1
722	2040	2	124.859	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1
723	2040	3	124.887	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1
724	2040	4	124.919	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1
725	2040	5	124.947	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1
726	2040	6	124.976	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1
727	2040	7	125.008	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1
728	2040	8	125.038	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1
729	2040	9	125.067	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1
730	2040	10	125.094	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1
731	2040	11	125.122	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1
732	2040	12	125.152	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1
733	2041	1	125.180	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1
734	2041	2	125.206	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1
735	2041	3	125.232	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1
736	2041	4	125.258	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1
737	2041	5	125.283	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1
738	2041	6	125.310	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1
739	2041	7	125.333	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1
740	2041	8	125.356	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1
741	2041	9	125.381	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1
742	2041	10	125.402	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1
743	2041	11	125.424	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1
744	2041	12	125.446	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1
745	2042	1	125.469	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1
746	2042	2	125.487	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1
747	2042	3	125.506	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1
748	2042	4	125.527	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1
749	2042	5	125.544	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1
750	2042	6	125.563	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1

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751	2042	7	125.579	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1
752	2042	8	125.596	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1
753	2042	9	125.613	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1
754	2042	10	125.628	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1
755	2042	11	125.645	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1
756	2042	12	125.660	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1
757	2043	1	125.676	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1
758	2043	2	125.692	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1
759	2043	3	125.705	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1
760	2043	4	125.719	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1
761	2043	5	125.738	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1
762	2043	6	125.751	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1
763	2043	7	125.766	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1
764	2043	8	125.780	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1
765	2043	9	125.796	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1
766	2043	10	125.813	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1
767	2043	11	125.829	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1
768	2043	12	125.843	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1
769	2044	1	125.861	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1
770	2044	2	125.875	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1
771	2044	3	125.891	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1
772	2044	4	125.909	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1
773	2044	5	125.926	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1
774	2044	6	125.941	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1
775	2044	7	125.957	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1
776	2044	8	125.974	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1
777	2044	9	125.990	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1
778	2044	10	126.004	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1
779	2044	11	126.022	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1
780	2044	12	126.035	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1
781	2045	1	126.053	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1
782	2045	2	126.068	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1
783	2045	3	126.083	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1
784	2045	4	126.100	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1
785	2045	5	126.116	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1
786	2045	6	126.133	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1
787	2045	7	126.147	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1
788	2045	8	126.162	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1
789	2045	9	126.181	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1
790	2045	10	126.195	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1
791	2045	11	126.212	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1
792	2045	12	126.226	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1
793	2046	1	126.243	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1
794	2046	2	126.258	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1
795	2046	3	126.275	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1
796	2046	4	126.290	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1
797	2046	5	126.305	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1
798	2046	6	126.323	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1
799	2046	7	126.338	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1
800	2046	8	126.353	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1

KENTUCKY POWER COMPANY
OTHER ULTIMATE CUSTOMERS
EXOGENOUS VARIABLES

Obs	YEAR	MONTH	L_kpc	D010N	d053on	daug10on	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	d12on	ju13on
801	2046	9	126.369	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1
802	2046	10	126.387	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1
803	2046	11	126.401	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1
804	2046	12	126.416	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1
805	2047	1	126.435	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1
806	2047	2	126.449	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1
807	2047	3	126.463	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1
808	2047	4	126.478	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1
809	2047	5	126.495	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1
810	2047	6	126.509	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1
811	2047	7	126.528	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1
812	2047	8	126.547	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1
813	2047	9	126.560	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1
814	2047	10	126.576	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1
815	2047	11	126.593	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1
816	2047	12	126.608	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1
817	2048	1	126.622	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1
818	2048	2	126.639	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1
819	2048	3	126.656	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1
820	2048	4	126.670	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1
821	2048	5	126.687	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1
822	2048	6	126.701	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1
823	2048	7	126.716	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1
824	2048	8	126.732	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1
825	2048	9	126.748	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1
826	2048	10	126.764	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1
827	2048	11	126.782	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1
828	2048	12	126.797	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1
829	2049	1	126.810	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1
830	2049	2	126.830	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1
831	2049	3	126.850	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1
832	2049	4	126.863	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1
833	2049	5	126.880	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1
834	2049	6	126.894	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1
835	2049	7	126.905	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1
836	2049	8	126.918	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1
837	2049	9	126.937	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1
838	2049	10	126.953	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1
839	2049	11	126.972	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1
840	2049	12	126.987	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1
841	2050	1	126.998	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1
842	2050	2	127.021	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1
843	2050	3	127.044	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1
844	2050	4	127.056	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1
845	2050	5	127.073	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1
846	2050	6	127.087	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1
847	2050	7	127.094	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1
848	2050	8	127.104	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1
849	2050	9	127.126	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1
850	2050	10	127.142	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1

KENTUCKY POWER COMPANY
OTHER ULTIMATE CUSTOMERS
MODEL ESTIMATION

The SYSLIN Procedure
Ordinary Least Squares Estimation

Model cu_kpc
Dependent Variable cu_kpc
Label OTHER RETAIL CUSTOMERS

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	18	484902.6	26939.03	230.06	<.0001
Error	209	24473.30	117.0971		
Corrected Total	227	509375.9			

Root MSE 10.82114 R-Square 0.95195
Dependent Mean 399.21053 Adj R-Sq 0.94782
Coeff Var 2.71064

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variable Label
Intercept	1	137.0006	41.58887	3.29	0.0012	Intercept
L_kpc	1	2.051456	0.339139	6.05	<.0001	SERVICE AREA EMPLOYMENT
D010N	1	-70.6200	7.026795	-10.05	<.0001	BINARY VARIABLE-2001 ON
d053on	1	-56.6609	4.975684	-11.39	<.0001	BINARY VARIABLE-JULY 2005 ON
daug10on	1	37.21321	4.393693	8.47	<.0001	BINARY VARIABLE-AUGUST 2010 ON
CU1	1	0.175129	0.066446	2.64	0.0090	OTHER RETAIL CUSTOMERS, LAG
d1	1	5.036817	3.521137	1.43	0.1541	January
d2	1	3.471919	3.519882	0.99	0.3251	February
d3	1	4.541152	3.517841	1.29	0.1982	March
d4	1	5.505741	3.518454	1.56	0.1191	April
d5	1	3.152192	3.520819	0.90	0.3717	May
d6	1	-0.63204	3.518450	-0.18	0.8576	June
d7	1	15.34309	3.514742	4.37	<.0001	July
d8	1	2.318898	3.566572	0.65	0.5163	August
d9	1	8.951468	3.511600	2.55	0.0115	September
d10	1	3.693072	3.529332	1.05	0.2966	October
d11	1	3.398527	3.511591	0.97	0.3343	November

KENTUCKY POWER COMPANY
 OTHER ULTIMATE CUSTOMERS
 MODEL ESTIMATION

The SYSLIN Procedure
 Ordinary Least Squares Estimation

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variable Label
d12on	1	-3.83669	3.860694	-0.99	0.3215	BINARYT VARIABLE-2012 ON
jul13on	1	-15.1082	4.151231	-3.64	0.0003	BINARY VARIABLE-JULY 2013 ON

Durbin-Watson	2.413256
Number of Observations	228
First-Order Autocorrelation	-0.20866

KENTUCKY POWER COMPANY
 OTHER ULTIMATE CUSTOMERS
 MODEL RESIDUALS

TREND

Residual Values
 Sum

2000.000000	****	7.34963
2000.0833333	***	5.34887
2000.1666667	**	4.55064
2000.2500000	***	5.29269
2000.3333333	***	5.96365
2000.4166667	*****	12.55375
2000.5000000	**	-4.34886
2000.5833333	***	6.23222
2000.6666667	**	3.48013
2000.7500000	**	3.56002
2000.8333333	**	4.05452
2000.9166667	*****	-54.03725
2001.0000000	*****	21.72620
2001.0833333	*	-2.17664
2001.1666667		0.68513
2001.2500000	*	-1.72667
2001.3333333	*	1.39581
2001.4166667	**	3.62950
2001.5000000	*****	-11.49258
2001.5833333		0.07338
2001.6666667	****	-7.60767
2001.7500000	*	-2.35672
2001.8333333	*	-2.19552
2001.9166667		0.12710
2002.0000000	***	-6.78382
2002.0833333	****	-7.85841
2002.1666667	****	-7.34687
2002.2500000	****	-8.39222
2002.3333333	***	-5.89301
2002.4166667	*	-1.92620
2002.5000000	*****	-17.67773
2002.5833333	***	-5.38684
2002.6666667	*****	50.45523
2002.7500000	*****	-14.81818
2002.8333333	**	-3.67742
2002.9166667	****	8.08217
2003.0000000	***	5.01358
2003.0833333	*****	9.39979
2003.1666667	*****	9.13956
2003.2500000		0.34038
2003.3333333	**	4.40678
2003.4166667	****	7.48233
2003.5000000	****	-8.06741
2003.5833333	***	6.18040
2003.6666667	*	-2.45293
2003.7500000	**	3.28702
2003.8333333	**	3.66978
2003.9166667	***	6.11139
2004.0000000		0.24354

KENTUCKY POWER COMPANY
 OTHER ULTIMATE CUSTOMERS
 MODEL RESIDUALS

2004.0833333		0.93844
2004.1666667	*	-1.06029
2004.2500000	**	-3.99540
2004.3333333	*	-1.49879
2004.4166667	*	2.03516
2004.5000000	*****	-11.24769
2004.5833333	*	2.88186
2004.6666667	**	-4.50511
2004.7500000		0.31017
2004.8333333		0.13904
2004.9166667	*	1.04727
2005.0000000	*	-1.14806
2005.0833333	**	-4.59474
2005.1666667	*	-1.45581
2005.2500000	*	2.38264
2005.3333333	**	-4.78847
2005.4166667		0.94752
2005.5000000	*****	42.04171
2005.5833333	***	-5.49079
2005.6666667	***	-5.95823
2005.7500000		-0.28857
2005.8333333	**	4.75364
2005.9166667	**	3.06933
2006.0000000	**	-3.42904
2006.0833333		-0.63081
2006.1666667		0.06328
2006.2500000	**	-3.26798
2006.3333333	*	-2.53135
2006.4166667	*	2.69546
2006.5000000	*****	-12.31531
2006.5833333		0.72455
2006.6666667	****	-7.68236
2006.7500000	*	-1.82138
2006.8333333		-0.27246
2006.9166667	**	3.20532
2007.0000000	**	-3.59147
2007.0833333	**	-3.47528
2007.1666667	**	-4.03424
2007.2500000	***	-6.88394
2007.3333333	**	-4.13295
2007.4166667	*	-1.38975
2007.5000000	*****	-18.31695
2007.5833333	*****	-12.34328
2007.6666667	**	4.97310
2007.7500000	***	-5.11854
2007.8333333	***	-6.24017
2007.9166667	**	-3.64039
2008.0000000	*	-1.79749
2008.0833333	*	-2.68415
2008.1666667	***	-6.72391
2008.2500000		-0.20004
2008.3333333	****	-7.97597

KENTUCKY POWER COMPANY
 OTHER ULTIMATE CUSTOMERS
 MODEL RESIDUALS

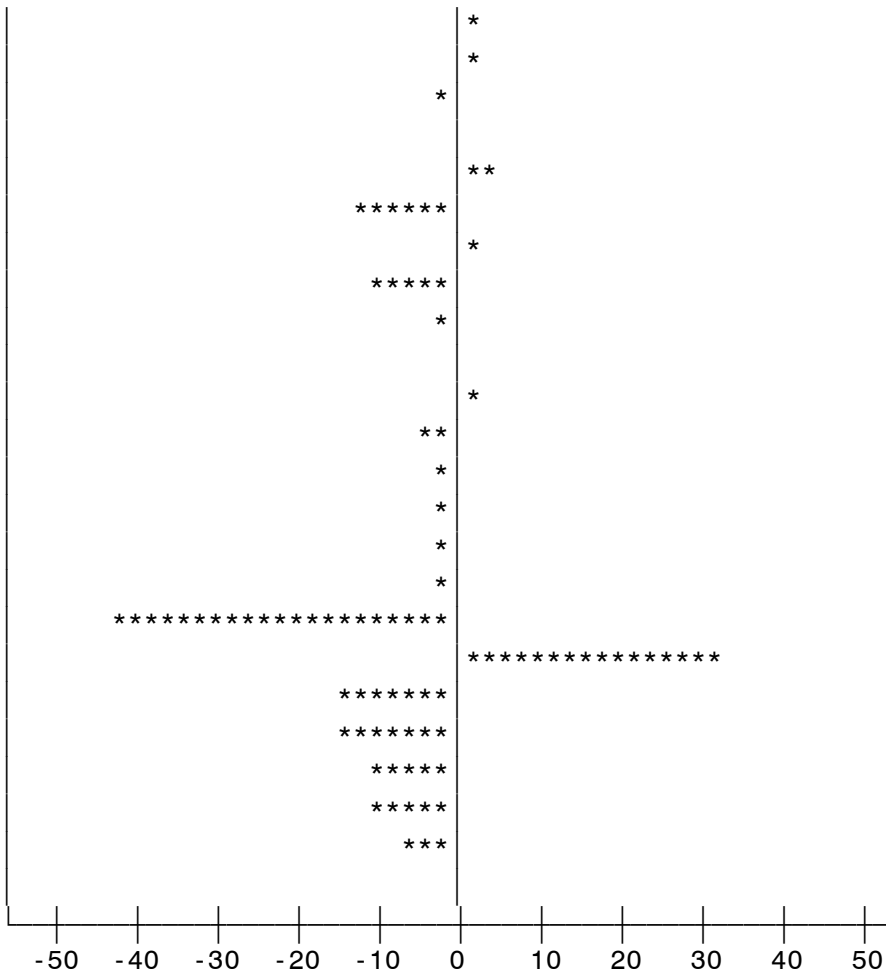
2008.4166667	**	-3.36120
2008.5000000	***	-5.72425
2008.5833333		-0.34898
2008.6666667	*****	-9.14917
2008.7500000		0.71238
2008.8333333	**	-4.50914
2008.9166667	*****	12.01512
2009.0000000	*	-2.81366
2009.0833333	*	2.41877
2009.1666667	***	6.25758
2009.2500000	*	-1.32846
2009.3333333	*	2.26031
2009.4166667	****	8.12436
2009.5000000	*****	-10.23609
2009.5833333	*	2.97611
2009.6666667	****	7.03974
2009.7500000	***	6.95919
2009.8333333		-0.74008
2009.9166667	**	4.44590
2010.0000000	**	-4.45552
2010.0833333	*	2.86323
2010.1666667	**	-3.08574
2010.2500000	*	2.59684
2010.3333333	***	6.81141
2010.4166667	*****	25.94717
2010.5000000	*****	25.03458
2010.5833333	**	3.53528
2010.6666667	***	-5.29987
2010.7500000	*	2.98800
2010.8333333	***	5.60740
2010.9166667	*	1.34925
2011.0000000	***	-5.56834
2011.0833333	****	-8.55601
2011.1666667		0.20526
2011.2500000	*****	20.65426
2011.3333333	*	-1.98323
2011.4166667	**	4.56692
2011.5000000	*****	-12.08948
2011.5833333	*	-2.68296
2011.6666667	****	-8.34627
2011.7500000	*****	10.23420
2011.8333333	**	-4.36636
2011.9166667		-0.24804
2012.0000000		-0.59735
2012.0833333		0.50092
2012.1666667		0.20379
2012.2500000	*	-2.11254
2012.3333333		0.28877
2012.4166667	***	5.00307
2012.5000000	*****	-12.17405
2012.5833333	*	2.05380
2012.6666667	**	-4.69869

KENTUCKY POWER COMPANY
 OTHER ULTIMATE CUSTOMERS
 MODEL RESIDUALS

2012.750000	*	2.62927
2012.833333	**	3.65953
2012.916667	**	3.96480
2013.000000	*	-1.44834
2013.083333		0.32227
2013.166667		-0.74100
2013.250000	*	-2.71192
2013.333333	*	1.76733
2013.416667	**	4.09035
2013.500000	**	4.21985
2013.583333	*****	16.83281
2013.666667		-0.11381
2013.750000	****	7.52027
2013.833333	****	7.20664
2013.916667	*****	9.12084
2014.000000	**	4.73584
2014.083333	****	7.55102
2014.166667	***	5.51796
2014.250000	**	3.91723
2014.333333	**	4.61413
2014.416667	****	8.88812
2014.500000	****	-7.95778
2014.583333	***	5.36053
2014.666667	*	-1.15716
2014.750000		0.23664
2014.833333	*	1.38145
2014.916667	**	4.97077
2015.000000	*	-1.83629
2015.083333	*	1.34145
2015.166667		0.43148
2015.250000		-0.12282
2015.333333		0.72718
2015.416667	*****	-46.55571
2015.500000	*****	51.26103
2015.583333	****	-8.13630
2015.666667	***	-5.27312
2015.750000		0.08356
2015.833333	*	1.51126
2015.916667		0.88628
2016.000000	*	-2.27789
2016.083333		-0.77752
2016.166667	*	-1.77309
2016.250000		0.28880
2016.333333	*	2.06549
2016.416667	***	5.69774
2016.500000	*****	-10.55043
2016.583333	*	1.08791
2016.666667	*****	20.12357
2016.750000	**	-3.76239
2016.833333	*	1.06424
2016.916667	**	3.55303
2017.000000		-0.25737

KENTUCKY POWER COMPANY
OTHER ULTIMATE CUSTOMERS
MODEL RESIDUALS

2017.0833333	*	1.14881
2017.1666667	*	1.09598
2017.2500000	*	-2.03553
2017.3333333		-0.29685
2017.4166667	**	3.72201
2017.5000000	*****	-12.13825
2017.5833333	*	1.05622
2017.6666667	*****	-9.36505
2017.7500000	*	-1.17432
2017.8333333		-0.96335
2017.9166667	*	2.70392
2018.0000000	**	-3.06415
2018.0833333	*	-1.08000
2018.1666667	*	-1.92973
2018.2500000	*	-2.69533
2018.3333333	*	-1.20023
2018.4166667	*****	-42.15060
2018.5000000	*****	31.77967
2018.5833333	*****	-14.60592
2018.6666667	*****	-14.46232
2018.7500000	*****	-9.18061
2018.8333333	*****	-10.08300
2018.9166667	***	-6.72680



Residual Values

The SIMLIN Procedure

Inverse Coefficient Matrix for Endogenous Variables

Variable	cu_kpc
cu_kpc	1.0000

Reduced Form for Lagged Endogenous Variables

Variable	CU1
cu_kpc	0.1751

Reduced Form for Exogenous Variables

Variable	L_kpc	D010N	d053on	daug10on	d1	d2
cu_kpc	2.0515	-70.6200	-56.6609	37.2132	5.0368	3.4719

Reduced Form for Exogenous Variables

Variable	d3	d4	d5	d6	d7	d8
cu_kpc	4.5412	5.5057	3.1522	-0.6320	15.3431	2.3189

Reduced Form for Exogenous Variables

Variable	d9	d10	d11	d12on	jul13on	Intercept
cu_kpc	8.9515	3.6931	3.3985	-3.8367	-15.1082	137.0006

KENTUCKY POWER COMPANY
OTHER ULTIMATE CUSTOMERS
MODEL SIMULATION

The SIMLIN Procedure

Fit Statistics

Variable	N	Mean Error	Mean Pct Error	Mean Abs Error	Mean Abs Pct Error	RMS Error	RMS Pct Error	Label
cu_kpc	228	0.001891	-0.0695	5.9688	1.50691	10.1336	2.5888	OTHER RETAIL CUSTOMERS

KENTUCKY POWER COMPANY
OTHER ULTIMATE CUSTOMERS
ACTUAL AND FORECAST

YEAR	CUSTOMERS	GROWTH RATE
1980	.	.
1981	.	.
1982	.	.
1983	.	.
1984	.	.
1985	.	.
1986	.	.
1987	.	.
1988	.	.
1989	.	.
1990	.	.
1991	.	.
1992	.	.
1993	.	.
1994	.	.
1995	.	.
1996	.	.
1997	.	.
1998	.	.
1999	.	.
2000	527.250	.
2001	447.083	-15.2
2002	445.000	-0.5
2003	447.667	0.6
2004	441.917	-1.3
2005	419.083	-5.2
2006	380.333	-9.2
2007	375.000	-1.4
2008	378.583	1.0
2009	372.833	-1.5
2010	390.917	4.9
2011	411.333	5.2
2012	400.500	-2.6
2013	384.833	-3.9
2014	369.500	-4.0
2015	360.333	-2.5
2016	351.167	-2.5
2017	344.833	-1.8
2018	336.833	-2.3
2019	331.000	-1.7
2020	331.000	0.0
2021	331.000	0.0
2022	331.000	0.0
2023	331.000	0.0
2024	331.000	0.0
2025	331.000	0.0
2026	331.000	0.0
2027	331.000	0.0
2028	331.000	0.0

KENTUCKY POWER COMPANY
OTHER ULTIMATE CUSTOMERS
ACTUAL AND FORECAST

YEAR	CUSTOMERS	GROWTH RATE
2029	331	0
2030	331	0
2031	331	0
2032	331	0
2033	331	0
2034	331	0
2035	331	0
2036	331	0
2037	331	0
2038	331	0
2039	331	0
2040	331	0
2041	331	0
2042	331	0
2043	331	0
2044	331	0
2045	331	0
2046	331	0
2047	331	0
2048	331	0
2049	331	0
2050	331	0
2051	331	0
2052	331	0
2053	331	0
2054	331	0

LONG-TERM RESIDENTIAL

Kentucky Power Company
 Residential Model Input Data

Year	Month	SalesPerHH	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	7-Feb	Sep-95	Aug-95
1995	1	1,844,397,517.86	1,041.39	0.00	662.68	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1995	2	1,596,350,328.23	1,400.50	0.00	582.48	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1995	3	1,254,741,611.82	957.52	0.00	563.96	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1995	4	968,155,387.32	352.16	16.15	560.03	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1995	5	905,534,412.93	126.05	65.51	542.42	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1995	6	960,439,592.03	8.07	294.85	552.41	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1995	7	1,379,927,028.27	0.00	700.99	528.49	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1995	8	1,533,806,987.23	0.00	1,093.33	505.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00
1995	9	915,975,408.13	1.00	859.62	534.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
1995	10	895,857,463.57	26.62	158.80	538.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
1995	11	1,498,882,470.13	402.31	14.75	555.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1995	12	1,967,901,146.64	990.55	1.01	637.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1996	1	2,076,798,617.87	1,575.02	0.00	665.76	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1996	2	1,961,229,679.54	1,570.03	0.00	586.72	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1996	3	1,540,773,591.60	1,077.41	0.00	565.62	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1996	4	1,352,304,482.67	744.44	19.36	563.95	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1996	5	960,242,182.05	162.53	193.23	544.90	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1996	6	988,971,148.58	22.35	415.90	554.83	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1996	7	1,190,706,251.20	0.00	797.11	529.62	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1996	8	1,142,380,692.84	0.00	732.48	506.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
1996	9	1,112,761,645.72	0.00	633.95	536.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
1996	10	879,169,425.21	49.62	116.18	543.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
1996	11	1,080,485,228.78	404.59	16.47	559.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1996	12	1,639,880,269.11	1,019.80	3.93	641.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1997	1	1,872,862,109.57	1,143.05	2.09	673.38	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1997	2	1,697,515,457.67	1,386.68	1.73	593.34	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1997	3	1,310,969,527.87	762.57	7.37	573.75	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1997	4	1,181,396,423.42	486.76	16.83	571.36	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1997	5	971,922,643.18	223.76	19.36	552.80	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1997	6	898,196,542.17	33.78	142.67	561.98	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1997	7	1,173,407,879.02	0.00	672.55	537.36	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1997	8	1,213,288,242.80	0.00	828.16	513.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
1997	9	1,055,187,091.32	0.00	448.89	544.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00

Kentucky Power Company
 Residential Model Input Data

Year	Month	SalesPerHH	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	7-Feb	Sep-95	Aug-95
2006	1	2,207,723,455.09	1,244.89	0.00	761.18	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2006	2	1,804,836,407.67	1,059.47	0.00	668.72	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2006	3	1,626,827,484.43	1,210.42	4.02	642.30	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2006	4	1,262,415,619.81	618.21	47.77	617.21	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2006	5	940,154,584.15	50.36	80.02	626.22	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2006	6	1,057,778,073.83	9.67	301.10	622.42	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2006	7	1,271,276,787.08	0.00	742.90	594.95	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2006	8	1,424,173,576.06	0.00	1,186.91	573.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2006	9	1,255,081,860.97	2.33	754.03	615.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2006	10	971,237,941.14	95.93	105.89	624.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2006	11	1,232,087,453.73	529.01	7.31	630.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2006	12	1,774,977,717.67	833.47	7.63	716.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2007	1	1,894,406,857.02	896.62	0.84	746.80	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2007	2	2,214,653,079.54	1,808.90	0.00	655.49	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
2007	3	1,845,838,373.91	1,523.58	6.42	640.24	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2007	4	1,270,902,877.67	525.40	83.45	654.97	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2007	5	1,045,100,110.54	199.39	145.52	624.82	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2007	6	1,145,911,905.28	8.16	512.53	618.72	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2007	7	1,271,357,530.66	0.00	836.69	588.31	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2007	8	1,344,388,712.93	0.00	983.58	577.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2007	9	1,445,614,073.19	0.00	1,086.63	611.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2007	10	1,068,750,060.73	16.86	504.86	617.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2007	11	1,140,305,733.77	330.09	85.84	649.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2007	12	1,690,170,524.83	929.85	0.00	719.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008	1	2,114,912,301.05	1,288.28	0.00	750.40	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008	2	2,006,611,403.69	1,568.53	0.00	657.43	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008	3	1,805,065,064.25	1,340.22	0.00	643.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008	4	1,341,179,216.32	604.56	4.12	654.01	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008	5	961,256,323.06	134.35	53.77	610.88	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008	6	1,065,972,952.47	9.11	316.71	622.38	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008	7	1,245,205,919.79	0.00	655.99	591.43	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008	8	1,302,137,681.46	0.00	800.83	581.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2008	9	1,237,861,165.76	0.00	749.05	610.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00

Kentucky Power Company
 Residential Model Input Data

Year	Month	SalesPerHH	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	7-Feb	Sep-95	Aug-95
2017	1	1,795,656,110.85	1,084.48	0.00	694.94	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2017	2	1,430,637,908.55	904.09	0.00	615.75	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2017	3	1,279,141,028.08	707.88	1.46	597.86	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2017	4	1,041,345,275.05	437.91	34.50	586.73	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2017	5	823,762,664.68	59.64	181.95	568.70	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2017	6	945,270,903.70	14.40	342.66	590.02	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2017	7	1,174,322,735.86	0.00	688.93	577.81	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2017	8	1,200,981,991.29	0.00	735.52	552.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2017	9	1,027,826,605.53	0.00	437.19	578.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2017	10	876,448,216.30	7.87	322.42	579.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2017	11	964,994,252.32	318.26	58.55	588.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2017	12	1,547,220,087.34	861.31	2.20	672.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2018	1	2,273,191,743.23	1,671.06	4.50	688.31	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2018	2	1,818,969,841.84	1,355.08	7.60	613.03	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2018	3	1,272,795,414.44	753.69	15.26	595.04	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2018	4	1,297,164,601.93	723.46	17.58	612.37	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2018	5	938,935,479.09	177.47	190.88	572.19	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2018	6	1,120,162,736.95	2.40	643.70	602.71	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2018	7	1,279,267,643.89	0.00	862.74	570.39	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2018	8	1,198,491,954.65	0.00	787.81	551.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2018	9	1,197,792,385.87	0.00	796.18	575.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2018	10	989,769,908.74	45.29	499.19	572.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2018	11	1,058,741,299.15	438.05	72.88	594.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2018	12	1,607,164,751.98	1,016.78	0.41	661.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2019	1	1,758,252,562.51	1,024.29	0.00	688.63	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2019	2		1,366.60	0.32	606.46	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2019	3		1,024.00	4.44	593.54	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2019	4		508.01	34.82	598.16	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2019	5		118.76	113.77	579.30	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2019	6		14.53	348.58	590.42	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2019	7		0.03	711.75	570.55	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2019	8		0.00	800.00	548.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2019	9		0.33	645.45	573.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00

Kentucky Power Company
 Residential Model Input Data

Year	Month	SalesPerHH	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	7-Feb	Sep-95	Aug-95
2028	1		1,215.37	0.45	673.69	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2028	2		1,306.01	0.32	594.20	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2028	3		978.80	4.36	582.11	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2028	4		485.66	34.23	587.55	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2028	5		113.56	111.85	569.86	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2028	6		13.90	342.72	581.62	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2028	7		0.03	699.76	562.72	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2028	8		0.00	786.61	540.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2028	9		0.31	634.81	565.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2028	10		42.04	217.64	568.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2028	11		314.77	30.04	575.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2028	12		818.42	3.02	654.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2029	1		1,212.04	0.45	675.51	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2029	2		1,302.36	0.32	595.81	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2029	3		976.00	4.37	583.70	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2029	4		484.25	34.33	589.20	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2029	5		113.22	112.17	571.45	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2029	6		13.85	343.68	583.23	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2029	7		0.03	701.70	564.33	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2029	8		0.00	788.74	542.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2029	9		0.31	636.49	566.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2029	10		41.90	218.20	570.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2029	11		313.70	30.11	576.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2029	12		815.59	3.03	656.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2030	1		1,208.06	0.45	674.55	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2030	2		1,298.01	0.32	595.04	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2030	3		972.68	4.38	583.01	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2030	4		482.58	34.40	588.63	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2030	5		112.82	112.40	571.06	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2030	6		13.80	344.38	583.01	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2030	7		0.03	703.09	564.21	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2030	8		0.00	790.27	542.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2030	9		0.31	637.70	566.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00

Kentucky Power Company
 Residential Model Input Data

Year	Month	SalesPerHH	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	7-Feb	Sep-95	Aug-95
2039	1		1,168.95	0.47	684.71	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2039	2		1,255.93	0.33	604.55	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2039	3		941.11	4.50	592.88	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2039	4		466.90	35.28	599.47	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2039	5		109.15	115.27	582.49	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2039	6		13.35	353.16	595.73	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2039	7		0.03	720.99	577.31	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2039	8		0.00	810.35	554.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2039	9		0.30	653.88	578.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2039	10		40.38	224.15	580.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2039	11		302.29	30.93	585.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2039	12		785.85	3.11	665.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2040	1		1,165.83	0.47	685.19	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2040	2		1,252.61	0.33	605.07	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2040	3		938.66	4.51	593.49	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2040	4		465.69	35.36	600.21	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2040	5		108.87	115.52	583.38	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2040	6		13.32	353.92	596.83	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2040	7		0.03	722.53	578.48	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2040	8		0.00	812.09	555.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2040	9		0.30	655.28	579.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2040	10		40.28	224.63	581.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2040	11		301.52	31.00	586.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2040	12		783.86	3.12	665.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2041	1		1,161.58	0.47	685.95	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2041	2		1,248.01	0.33	605.81	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2041	3		935.18	4.51	594.28	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2041	4		463.96	35.41	601.12	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2041	5		108.47	115.69	584.40	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2041	6		13.27	354.44	598.05	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2041	7		0.03	723.60	579.75	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2041	8		0.00	813.28	557.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2041	9		0.30	656.23	580.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00

Kentucky Power Company
 Residential Model Input Data

Year	Month	SalesPerHH	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	7-Feb	Sep-95	Aug-95
2050	1		1,127.29	0.47	704.65	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2050	2		1,211.09	0.33	622.72	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2050	3		907.46	4.57	611.27	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2050	4		450.16	35.84	618.93	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2050	5		105.23	117.10	602.35	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2050	6		12.87	358.71	617.13	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2050	7		0.03	732.25	598.95	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2050	8		0.00	822.90	575.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2050	9		0.29	663.93	599.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2050	10		38.91	227.56	599.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2050	11		291.19	31.40	604.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2050	12		756.86	3.16	684.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2051	1		1,128.01	0.47	707.03	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2051	2		1,211.87	0.33	624.85	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2051	3		908.04	4.58	613.40	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2051	4		450.44	35.92	621.15	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2051	5		105.30	117.34	604.57	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2051	6		12.88	359.46	619.46	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2051	7		0.03	733.77	601.28	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2051	8		0.00	824.59	577.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2051	9		0.29	665.28	601.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2051	10		38.93	228.02	602.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2051	11		291.32	31.46	606.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2051	12		757.20	3.16	686.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2052	1		1,128.78	0.47	709.45	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2052	2		1,212.68	0.34	627.03	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2052	3		908.64	4.59	615.58	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2052	4		450.73	35.99	623.42	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2052	5		105.36	117.59	606.83	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2052	6		12.89	360.21	621.82	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2052	7		0.03	735.27	603.64	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2052	8		0.00	826.26	579.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2052	9		0.29	666.60	603.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00

Kentucky Power Company
 Residential Model Input Data

Year	Month	Apr15on	Feb-95	Mar-95	Jan-96	Apr-95	d0610	Nov-95	Mar18on	XMissing	YMissing
2006	1	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0	0
2006	2	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0	0
2006	3	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0	0
2006	4	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0	0
2006	5	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0	0
2006	6	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0	0
2006	7	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0	0
2006	8	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0	0
2006	9	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0	0
2006	10	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0	0
2006	11	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0	0
2006	12	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0	0
2007	1	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0	0
2007	2	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0	0
2007	3	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0	0
2007	4	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0	0
2007	5	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0	0
2007	6	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0	0
2007	7	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0	0
2007	8	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0	0
2007	9	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0	0
2007	10	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0	0
2007	11	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0	0
2007	12	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0	0
2008	1	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0	0
2008	2	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0	0
2008	3	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0	0
2008	4	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0	0
2008	5	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0	0
2008	6	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0	0
2008	7	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0	0
2008	8	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0	0
2008	9	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0	0

Kentucky Power Company
 Residential Model Input Data

Year	Month	Apr15on	Feb-95	Mar-95	Jan-96	Apr-95	d0610	Nov-95	Mar18on	XMissing	YMissing
2017	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
2017	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
2017	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
2017	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
2017	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
2017	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
2017	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
2017	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
2017	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
2017	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
2017	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
2017	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
2018	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
2018	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
2018	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	0
2018	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	0
2018	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	0
2018	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	0
2018	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	0
2018	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	0
2018	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	0
2018	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	0
2018	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	0
2018	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	0
2019	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	0
2019	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2019	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2019	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2019	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2019	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2019	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2019	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2019	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1

Kentucky Power Company
 Residential Model Input Data

Year	Month	Apr15on	Feb-95	Mar-95	Jan-96	Apr-95	d0610	Nov-95	Mar18on	XMissing	YMissing
2019	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2019	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2019	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2020	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2020	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2020	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2020	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2020	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2020	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2020	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2020	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2020	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2020	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2020	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2020	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2021	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2021	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2021	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2021	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2021	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2021	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2021	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2021	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2021	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2021	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2021	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2021	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2022	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2022	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2022	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2022	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2022	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2022	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1

Kentucky Power Company
 Residential Model Input Data

Year	Month	Apr15on	Feb-95	Mar-95	Jan-96	Apr-95	d0610	Nov-95	Mar18on	XMissing	YMissing
2022	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2022	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2022	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2022	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2022	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2022	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2023	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2023	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2023	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2023	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2023	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2023	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2023	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2023	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2023	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2023	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2023	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2023	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2024	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2024	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2024	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2024	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2024	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2024	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2024	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2024	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2024	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2024	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2024	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2024	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2025	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2025	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2025	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1

Kentucky Power Company
 Residential Model Input Data

Year	Month	Apr15on	Feb-95	Mar-95	Jan-96	Apr-95	d0610	Nov-95	Mar18on	XMissing	YMissing
2025	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2025	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2025	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2025	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2025	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2025	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2025	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2025	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2025	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2026	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2026	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2026	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2026	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2026	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2026	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2026	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2026	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2026	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2026	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2026	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2026	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2027	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2027	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2027	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2027	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2027	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2027	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2027	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2027	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2027	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2027	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2027	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2027	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1

Kentucky Power Company
 Residential Model Input Data

Year	Month	Apr15on	Feb-95	Mar-95	Jan-96	Apr-95	d0610	Nov-95	Mar18on	XMissing	YMissing
2028	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2028	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2028	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2028	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2028	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2028	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2028	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2028	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2028	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2028	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2028	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2028	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2029	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2029	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2029	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2029	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2029	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2029	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2029	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2029	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2029	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2029	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2029	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2029	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2030	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2030	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2030	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2030	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2030	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2030	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2030	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2030	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2030	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1

Kentucky Power Company
 Residential Model Input Data

Year	Month	Apr15on	Feb-95	Mar-95	Jan-96	Apr-95	d0610	Nov-95	Mar18on	XMissing	YMissing
2030	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2030	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2030	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2031	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2031	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2031	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2031	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2031	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2031	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2031	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2031	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2031	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2031	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2031	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2031	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2032	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2032	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2032	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2032	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2032	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2032	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2032	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2032	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2032	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2032	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2032	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2032	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2033	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2033	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2033	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2033	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2033	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2033	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1

Kentucky Power Company
 Residential Model Input Data

Year	Month	Apr15on	Feb-95	Mar-95	Jan-96	Apr-95	d0610	Nov-95	Mar18on	XMissing	YMissing
2033	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2033	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2033	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2033	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2033	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2033	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2034	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2034	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2034	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2034	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2034	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2034	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2034	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2034	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2034	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2034	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2034	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2034	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2035	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2035	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2035	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2035	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2035	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2035	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2035	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2035	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2035	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2035	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2035	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2035	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2036	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2036	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2036	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1

Kentucky Power Company
 Residential Model Input Data

Year	Month	Apr15on	Feb-95	Mar-95	Jan-96	Apr-95	d0610	Nov-95	Mar18on	XMissing	YMissing
2036	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2036	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2036	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2036	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2036	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2036	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2036	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2036	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2036	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2037	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2037	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2037	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2037	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2037	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2037	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2037	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2037	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2037	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2037	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2037	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2037	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2038	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2038	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2038	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2038	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2038	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2038	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2038	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2038	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2038	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2038	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2038	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2038	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1

Kentucky Power Company
 Residential Model Input Data

Year	Month	Apr15on	Feb-95	Mar-95	Jan-96	Apr-95	d0610	Nov-95	Mar18on	XMissing	YMissing
2039	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2039	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2039	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2039	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2039	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2039	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2039	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2039	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2039	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2039	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2039	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2039	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2040	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2040	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2040	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2040	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2040	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2040	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2040	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2040	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2040	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2040	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2040	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2040	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2041	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2041	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2041	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2041	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2041	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2041	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2041	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2041	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2041	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1

Kentucky Power Company
 Residential Model Input Data

Year	Month	Apr15on	Feb-95	Mar-95	Jan-96	Apr-95	d0610	Nov-95	Mar18on	XMissing	YMissing
2041	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2041	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2041	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2042	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2042	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2042	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2042	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2042	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2042	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2042	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2042	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2042	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2042	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2042	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2042	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2043	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2043	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2043	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2043	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2043	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2043	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2043	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2043	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2043	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2043	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2043	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2043	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2044	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2044	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2044	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2044	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2044	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2044	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1

Kentucky Power Company
 Residential Model Input Data

Year	Month	Apr15on	Feb-95	Mar-95	Jan-96	Apr-95	d0610	Nov-95	Mar18on	XMissing	YMissing
2044	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2044	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2044	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2044	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2044	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2044	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2045	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2045	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2045	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2045	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2045	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2045	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2045	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2045	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2045	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2045	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2045	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2045	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2046	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2046	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2046	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2046	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2046	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2046	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2046	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2046	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2046	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2046	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2046	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2046	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2047	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2047	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2047	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1

Kentucky Power Company
 Residential Model Input Data

Year	Month	Apr15on	Feb-95	Mar-95	Jan-96	Apr-95	d0610	Nov-95	Mar18on	XMissing	YMissing
2047	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2047	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2047	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2047	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2047	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2047	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2047	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2047	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2047	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2048	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2048	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2048	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2048	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2048	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2048	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2048	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2048	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2048	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2048	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2048	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2048	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2049	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2049	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2049	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2049	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2049	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2049	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2049	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2049	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2049	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2049	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2049	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2049	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1

Kentucky Power Company
 Residential Model Input Data

Year	Month	Apr15on	Feb-95	Mar-95	Jan-96	Apr-95	d0610	Nov-95	Mar18on	XMissing	YMissing
2050	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2050	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2050	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2050	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2050	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2050	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2050	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2050	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2050	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2050	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2050	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2050	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2051	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2051	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2051	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2051	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2051	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2051	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2051	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2051	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2051	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2051	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2051	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2051	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2052	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2052	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2052	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2052	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2052	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2052	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2052	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2052	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2052	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1

Kentucky Power Company
 Residential Model Input Data

Year	Month	Apr15on	Feb-95	Mar-95	Jan-96	Apr-95	d0610	Nov-95	Mar18on	XMissing	YMissing
2052	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2052	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2052	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2053	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2053	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2053	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2053	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2053	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2053	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2053	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2053	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2053	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2053	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2053	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2053	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2054	1	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2054	2	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2054	3	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2054	4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2054	5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2054	6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2054	7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2054	8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2054	9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2054	10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2054	11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1
2054	12	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0	1

Kentucky Power Company
 Residential Model Coefficients

Variable	Coefficient	StdErr	T-Stat	P-Value	Definition
CONST	510121446.852	144663517.271	3.526	0.05%	Constant term
ResidentialVars.XHeat	600509.440	16533.054	36.322	0.00%	Residential Heating Component
ResidentialVars.XCool	414431.128	31594.233	13.117	0.00%	Residential Cooling Component
ResidentialVars.XOther	885098.116	209310.407	4.229	0.00%	Residential Other Component
BinaryVars.Jan	118776847.918	14384854.309	8.257	0.00%	January
BinaryVars.Feb	-94989532.968	20671787.481	-4.595	0.00%	February
BinaryVars.Mar	-142405434.362	21554997.257	-6.607	0.00%	March
BinaryVars.Apr	-174188268.836	22474228.513	-7.751	0.00%	April
BinaryVars.May	-214684102.411	28687122.315	-7.484	0.00%	May
BinaryVars.Jun	-167330976.506	30887803.929	-5.417	0.00%	June
BinaryVars.Jul	-79250430.848	40763005.648	-1.944	5.29%	July
BinaryVars.Aug	-79453118.892	45676988.457	-1.739	8.31%	August
BinaryVars.Sep	-121450485.595	38069077.467	-3.190	0.16%	September
BinaryVars.Oct	-211924372.074	29682906.583	-7.140	0.00%	October
BinaryVars.Nov	-181019560.385	23163398.175	-7.815	0.00%	November
BinaryVars.Feb07	101408090.940	42431827.723	2.390	1.76%	Binary Variable-February 2007
BinaryVars.Sep95	-357083484.979	46988643.528	-7.599	0.00%	Binary Variable-September 1995
BinaryVars.Aug95	105071114.011	47729873.736	2.201	2.86%	Binary Variable-August 1995
BinaryVars.Apr15on	-39977779.530	16241298.240	-2.461	1.45%	Binary Variable-April 2015 On
BinaryVars.feb95	-179638702.959	46800275.929	-3.838	0.02%	Binary Variable-February 1995
BinaryVars.mar95	-194295980.914	51160067.015	-3.798	0.02%	Binary Variable-March 1995
BinaryVars.jan96	-239543754.241	43477997.080	-5.510	0.00%	Binary Variable-January 1996
BinaryVars.apr95	-95308510.224	46988245.185	-2.028	4.35%	Binary Variable-April 1995
BinaryVars.d0610	39066658.001	13972774.567	2.796	0.56%	Binary Variable-2006 through 2010
BinaryVars.Nov95	296177859.646	42023812.716	7.048	0.00%	Binary Variable-November 1995
BinaryVars.Mar18on	-32950377.501	27967799.840	-1.178	23.98%	Binary Variable-March 2018 On
AR(1)	0.497	0.057	8.662	0.00%	AutoRegressive Term

Kentucky Power Company
 Residential Model Statistics

Model Statistics		Forecast Statistics	
Iterations	14	Forecast Observations	0
Adjusted Observations	288	Mean Abs. Dev. (MAD)	0.00
Deg. of Freedom for Error	261	Mean Abs. % Err. (MAPE)	0.00%
R-Squared	0.987	Avg. Forecast Error	0.00
Adjusted R-Squared	0.986	Mean % Error	0.00%
AIC	35.376	Root Mean-Square Error	0.00
BIC	35.719	Theil's Inequality Coefficient	0.0000
F-Statistic	767.357	-- Bias Proportion	0.00%
Prob (F-Statistic)	0.0000	-- Variance Proportion	0.00%
Log-Likelihood	-5,475.81	-- Covariance Proportion	0.00%
Model Sum of Squares	42,161,929,410,067,900,000.00		
Sum of Squared Errors	551,556,756,639,603,000.00		
Mean Squared Error	2,113,244,278,312,650.00		
Std. Error of Regression	45,970,036.74		
Mean Abs. Dev. (MAD)	30,226,983.56		
Mean Abs. % Err. (MAPE)	2.18%		
Durbin-Watson Statistic	1.887		
Durbin-H Statistic	#NA		
Ljung-Box Statistic	40.34		
Prob (Ljung-Box)	0.0197		
Skewness	0.668		
Kurtosis	7.493		
Jarque-Bera	263.696		
Prob (Jarque-Bera)	0.0000		

Kentucky Power Company
 Residential Model Output Data

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb
1995	1	510,121,446.852	625,365,919.126	0.000	586,533,247.057	118,776,847.918	0.000	0.000
1995	2	1,593,848,406.341	510,121,446.852	841,014,523.564	0.000	515,550,694.034	0.000	-94,989,532.968
1995	3	1,249,709,650.040	510,121,446.852	574,998,660.612	0.000	499,156,990.121	0.000	0.000
1995	4	958,034,911.716	510,121,446.852	211,477,673.275	6,691,132.770	495,678,478.954	0.000	0.000
1995	5	885,179,722.096	510,121,446.852	75,695,943.148	27,148,359.216	480,094,559.423	0.000	0.000
1995	6	972,267,073.184	510,121,446.852	4,844,547.451	122,194,400.428	488,934,371.858	0.000	0.000
1995	7	1,189,979,510.514	510,121,446.852	0.000	290,513,278.752	467,761,993.284	0.000	0.000
1995	8	1,530,880,050.431	510,121,446.852	0.000	453,110,138.777	447,172,720.999	0.000	0.000
1995	9	910,088,639.962	510,121,446.852	602,798.269	356,253,768.855	473,025,248.980	0.000	0.000
1995	10	884,017,768.396	510,121,446.852	15,985,706.477	65,810,571.788	476,923,527.583	0.000	0.000
1995	11	1,383,831,966.823	510,121,446.852	241,593,441.247	6,114,862.200	491,482,340.061	0.000	0.000
1995	12	1,736,507,137.393	510,121,446.852	594,834,826.455	416,828.469	564,303,246.839	0.000	0.000
1996	1	2,072,712,147.200	510,121,446.852	945,814,610.368	0.000	589,263,180.906	118,776,847.918	0.000
1996	2	1,953,010,812.131	510,121,446.852	942,816,348.898	0.000	519,304,782.322	0.000	-94,989,532.968
1996	3	1,557,087,986.603	510,121,446.852	646,992,736.416	0.000	500,625,366.344	0.000	0.000
1996	4	1,302,794,736.855	510,121,446.852	447,040,722.536	8,022,581.531	499,149,538.494	0.000	0.000
1996	5	986,311,878.368	510,121,446.852	97,599,766.053	80,078,556.738	482,290,514.008	0.000	0.000
1996	6	1,022,063,640.015	510,121,446.852	13,422,946.444	172,362,615.727	491,083,108.234	0.000	0.000
1996	7	1,214,722,355.946	510,121,446.852	0.000	330,346,977.077	468,762,684.252	0.000	0.000
1996	8	1,163,178,598.794	510,121,446.852	0.000	303,560,612.086	448,477,225.520	0.000	0.000
1996	9	1,106,540,554.485	510,121,446.852	0.000	262,730,450.024	475,189,298.963	0.000	0.000
1996	10	850,570,461.074	510,121,446.852	29,795,832.407	48,146,742.456	481,306,735.729	0.000	0.000
1996	11	1,084,743,452.249	510,121,446.852	242,961,216.867	6,824,265.459	495,055,209.893	0.000	0.000
1996	12	1,695,299,843.096	510,121,446.852	612,399,033.307	1,630,339.938	567,895,963.713	0.000	0.000
1997	1	1,886,245,890.996	510,121,446.852	686,413,226.465	865,545.005	596,006,443.694	118,776,847.918	0.000
1997	2	1,754,177,296.489	510,121,446.852	832,713,339.562	717,477.990	525,165,487.799	0.000	-94,989,532.968
1997	3	1,298,637,291.777	510,121,446.852	457,933,113.986	3,053,516.660	507,828,258.733	0.000	0.000
1997	4	1,128,211,451.835	510,121,446.852	292,304,396.466	6,975,280.008	505,707,922.131	0.000	0.000
1997	5	947,236,818.672	510,121,446.852	134,367,316.554	8,021,568.079	489,285,766.060	0.000	0.000
1997	6	941,891,929.680	510,121,446.852	20,283,099.426	59,128,729.983	497,409,408.214	0.000	0.000
1997	7	1,174,566,518.728	510,121,446.852	0.000	278,727,508.421	475,615,790.370	0.000	0.000
1997	8	1,222,871,070.172	510,121,446.852	0.000	343,216,411.620	454,856,587.285	0.000	0.000
1997	9	1,049,255,831.793	510,121,446.852	0.000	186,035,635.075	482,232,635.591	0.000	0.000

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Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb
1997	10	865,914,699.086	510,121,446.852	21,588,636.462	58,465,303.555	488,534,862.969	0.000	0.000
1997	11	1,123,129,274.998	510,121,446.852	294,360,089.839	16,595,502.912	485,862,529.353	0.000	0.000
1997	12	1,677,470,850.758	510,121,446.852	589,709,022.537	0.000	585,062,183.252	0.000	0.000
1998	1	1,906,060,944.861	510,121,446.852	639,456,052.838	0.000	606,278,973.884	118,776,847.918	0.000
1998	2	1,594,188,161.969	510,121,446.852	675,860,780.255	0.000	532,331,869.502	0.000	-94,989,532.968
1998	3	1,389,191,819.333	510,121,446.852	541,383,213.323	38,639.935	514,685,652.127	0.000	0.000
1998	4	1,197,903,174.950	510,121,446.852	316,068,353.290	49,014,575.449	512,049,283.242	0.000	0.000
1998	5	839,280,174.038	510,121,446.852	47,222,621.341	27,418,848.797	496,001,661.234	0.000	0.000
1998	6	1,035,685,111.907	510,121,446.852	1,046,537.581	157,480,690.091	504,067,239.627	0.000	0.000
1998	7	1,249,069,347.464	510,121,446.852	455,649.085	337,787,257.543	480,788,068.917	0.000	0.000
1998	8	1,238,629,355.864	510,121,446.852	0.000	349,792,861.944	461,255,537.404	0.000	0.000
1998	9	1,223,440,196.474	510,121,446.852	0.000	339,984,633.448	490,565,388.228	0.000	0.000
1998	10	1,009,348,705.709	510,121,446.852	8,789,035.436	207,395,281.402	494,897,418.127	0.000	0.000
1998	11	1,026,731,966.222	510,121,446.852	178,981,146.179	15,396,129.477	510,591,383.052	0.000	0.000
1998	12	1,455,495,816.648	510,121,446.852	339,391,973.435	3,239,930.766	580,285,843.067	0.000	0.000
1999	1	2,148,904,021.750	510,121,446.852	889,069,861.660	1,423,057.854	616,346,378.652	118,776,847.918	0.000
1999	2	1,505,911,232.465	510,121,446.852	618,984,996.010	0.000	541,133,257.759	0.000	-94,989,532.968
1999	3	1,577,226,425.770	510,121,446.852	740,171,658.108	0.000	523,581,690.981	0.000	0.000
1999	4	1,215,612,594.656	510,121,446.852	382,900,629.052	11,390,740.210	520,820,280.628	0.000	0.000
1999	5	869,020,449.970	510,121,446.852	45,999,435.876	38,471,372.607	502,787,201.868	0.000	0.000
1999	6	1,024,643,610.468	510,121,446.852	0.000	179,017,608.703	510,865,518.567	0.000	0.000
1999	7	1,309,734,876.931	510,121,446.852	0.000	417,685,395.060	488,597,379.274	0.000	0.000
1999	8	1,383,436,928.601	510,121,446.852	0.000	519,113,755.919	468,133,958.289	0.000	0.000
1999	9	1,134,373,971.736	510,121,446.852	187,585.007	264,042,868.120	496,619,843.864	0.000	0.000
1999	10	864,996,276.235	510,121,446.852	20,852,982.278	54,852,991.413	502,401,014.909	0.000	0.000
1999	11	1,030,284,173.824	510,121,446.852	172,630,050.215	3,051,051.794	513,388,754.233	0.000	0.000
1999	12	1,550,013,371.998	510,121,446.852	430,503,996.867	0.000	594,188,861.005	0.000	0.000
2000	1	2,034,985,360.476	510,121,446.852	797,075,173.395	0.000	625,626,235.178	118,776,847.918	0.000
2000	2	1,960,408,512.785	510,121,446.852	1,058,999,812.192	0.000	550,495,505.681	0.000	-94,989,532.968
2000	3	1,260,545,692.299	510,121,446.852	410,032,518.040	2,498,773.532	531,348,036.523	0.000	0.000
2000	4	1,099,313,518.710	510,121,446.852	226,271,887.583	5,801,700.835	529,161,372.910	0.000	0.000
2000	5	944,037,935.625	510,121,446.852	84,397,451.260	63,294,294.476	511,745,563.848	0.000	0.000
2000	6	1,058,215,258.355	510,121,446.852	191,513.607	175,983,377.266	517,795,793.875	0.000	0.000

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Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb
2000	7	1,257,010,344.739	510,121,446.852	0.000	323,552,661.536	496,925,686.274	0.000	0.000
2000	8	1,177,234,059.477	510,121,446.852	0.000	284,908,522.382	476,789,111.001	0.000	0.000
2000	9	1,143,304,885.988	510,121,446.852	978,353.190	248,659,562.956	508,177,643.867	0.000	0.000
2000	10	955,245,719.205	510,121,446.852	54,266,957.108	86,290,775.176	516,293,449.571	0.000	0.000
2000	11	1,068,298,399.785	510,121,446.852	185,471,889.196	11,947,100.784	528,871,985.740	0.000	0.000
2000	12	1,922,610,299.701	510,121,446.852	819,092,822.845	0.000	603,774,099.469	0.000	0.000
2001	1	2,455,873,454.755	510,121,446.852	1,230,209,203.260	0.000	641,817,866.600	118,776,847.918	0.000
2001	2	1,913,369,224.762	510,121,446.852	960,702,544.934	0.000	566,786,075.241	0.000	-94,989,532.968
2001	3	1,517,998,311.453	510,121,446.852	667,723,647.478	0.000	546,203,749.188	0.000	0.000
2001	4	1,352,252,693.325	510,121,446.852	456,534,167.928	47,806,014.945	542,606,040.030	0.000	0.000
2001	5	968,582,423.543	510,121,446.852	70,048,874.815	106,675,140.318	525,176,671.225	0.000	0.000
2001	6	988,152,518.222	510,121,446.852	4,155,736.521	115,075,814.849	534,869,751.249	0.000	0.000
2001	7	1,219,536,062.167	510,121,446.852	0.000	287,238,808.148	510,950,306.231	0.000	0.000
2001	8	1,317,414,033.692	510,121,446.852	0.000	416,857,722.735	487,679,342.245	0.000	0.000
2001	9	1,215,472,214.222	510,121,446.852	199,723.279	326,993,980.964	521,723,780.735	0.000	0.000
2001	10	936,330,746.508	510,121,446.852	41,114,404.130	79,457,409.919	526,039,294.521	0.000	0.000
2001	11	1,104,029,130.995	510,121,446.852	197,295,475.962	23,393,704.440	538,380,824.304	0.000	0.000
2001	12	1,413,942,097.553	510,121,446.852	256,357,816.400	738,840.949	615,353,046.805	0.000	0.000
2002	1	2,167,689,680.946	510,121,446.852	870,321,941.101	0.000	652,796,859.090	118,776,847.918	0.000
2002	2	1,666,989,799.201	510,121,446.852	717,478,945.995	0.000	573,582,522.720	0.000	-94,989,532.968
2002	3	1,549,918,000.892	510,121,446.852	640,813,079.687	1,479,121.665	556,696,234.776	0.000	0.000
2002	4	1,273,120,618.778	510,121,446.852	342,273,614.658	22,504,948.034	553,430,912.327	0.000	0.000
2002	5	1,005,762,354.197	510,121,446.852	90,809,926.013	63,987,504.389	534,805,347.432	0.000	0.000
2002	6	1,089,337,978.123	510,121,446.852	52,582,000.559	168,811,925.258	544,511,937.486	0.000	0.000
2002	7	1,332,480,381.780	510,121,446.852	0.000	386,036,239.725	518,267,942.847	0.000	0.000
2002	8	1,431,111,925.591	510,121,446.852	0.000	492,190,977.226	497,792,948.678	0.000	0.000
2002	9	1,351,717,789.958	510,121,446.852	0.000	432,947,482.555	527,793,152.366	0.000	0.000
2002	10	1,002,876,340.578	510,121,446.852	19,621,201.236	174,832,932.069	533,863,940.275	0.000	0.000
2002	11	1,127,948,868.924	510,121,446.852	241,965,442.937	17,409,850.561	549,489,474.479	0.000	0.000
2002	12	1,861,443,642.286	510,121,446.852	727,516,909.410	2,304,944.327	630,517,064.842	0.000	0.000
2003	1	2,152,238,419.537	510,121,446.852	873,000,399.149	0.000	665,143,253.249	118,776,847.918	0.000
2003	2	2,222,153,064.693	510,121,446.852	1,211,496,353.021	0.000	581,923,279.140	0.000	-94,989,532.968
2003	3	1,692,274,400.691	510,121,446.852	816,606,569.669	0.000	562,918,325.716	0.000	0.000

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Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb
2003	4	1,109,812,498.386	510,121,446.852	214,948,099.985	19,171,590.108	559,278,063.497	0.000	0.000
2003	5	938,268,964.921	510,121,446.852	46,532,423.451	47,800,949.190	541,391,117.652	0.000	0.000
2003	6	957,890,862.995	510,121,446.852	0.000	64,861,006.634	548,469,227.137	0.000	0.000
2003	7	1,222,041,776.393	510,121,446.852	0.000	272,306,148.692	522,925,863.536	0.000	0.000
2003	8	1,245,491,385.045	510,121,446.852	0.000	325,651,363.763	496,283,027.883	0.000	0.000
2003	9	1,233,825,379.581	510,121,446.852	0.000	312,339,392.680	537,158,539.907	0.000	0.000
2003	10	949,409,072.632	510,121,446.852	54,001,426.961	45,294,924.778	540,597,446.976	0.000	0.000
2003	11	1,054,174,068.603	510,121,446.852	149,106,250.443	10,666,590.072	550,885,994.164	0.000	0.000
2003	12	1,679,274,564.441	510,121,446.852	525,921,536.460	1,217,202.192	631,709,739.624	0.000	0.000
2004	1	2,181,923,322.522	510,121,446.852	854,432,011.233	957,541.069	668,462,029.343	118,776,847.918	0.000
2004	2	2,151,565,508.394	510,121,446.852	1,108,672,831.042	321,049.526	589,574,600.460	0.000	-94,989,532.968
2004	3	1,582,049,721.388	510,121,446.852	640,690,126.809	2,877,866.902	569,483,738.714	0.000	0.000
2004	4	1,286,399,125.321	510,121,446.852	353,030,940.206	15,907,185.254	575,307,855.104	0.000	0.000
2004	5	1,018,484,456.708	510,121,446.852	86,552,777.978	87,738,904.878	542,675,205.391	0.000	0.000
2004	6	1,147,565,817.050	510,121,446.852	6,022,586.420	241,524,254.767	558,315,026.715	0.000	0.000
2004	7	1,272,353,921.796	510,121,446.852	0.000	308,408,526.827	530,502,383.980	0.000	0.000
2004	8	1,252,233,983.680	510,121,446.852	0.000	305,520,475.556	505,906,044.577	0.000	0.000
2004	9	1,172,385,212.835	510,121,446.852	0.000	267,936,823.382	532,784,254.756	0.000	0.000
2004	10	928,326,238.696	510,121,446.852	14,791,751.176	79,656,936.644	549,897,776.171	0.000	0.000
2004	11	1,012,094,533.249	510,121,446.852	94,386,815.949	15,770,581.956	555,564,921.604	0.000	0.000
2004	12	1,597,952,740.667	510,121,446.852	436,646,108.035	2,297,603.320	645,862,700.760	0.000	0.000
2005	1	2,058,127,610.718	510,121,446.852	739,545,798.111	0.000	668,776,060.454	118,776,847.918	0.000
2005	2	1,931,995,680.400	510,121,446.852	903,963,758.022	0.000	596,565,330.119	0.000	-94,989,532.968
2005	3	1,729,686,952.196	510,121,446.852	764,920,356.142	0.000	580,244,163.468	0.000	0.000
2005	4	1,307,010,615.603	510,121,446.852	353,319,534.986	7,118,010.747	581,300,994.116	0.000	0.000
2005	5	983,032,405.815	510,121,446.852	101,310,543.995	26,058,046.926	544,684,284.595	0.000	0.000
2005	6	1,097,380,509.586	510,121,446.852	13,979,295.556	153,565,743.469	560,271,690.705	0.000	0.000
2005	7	1,398,591,427.904	510,121,446.852	0.000	436,106,200.226	532,298,259.521	0.000	0.000
2005	8	1,474,101,230.266	510,121,446.852	0.000	556,751,908.494	519,474,172.279	0.000	0.000
2005	9	1,328,894,660.665	510,121,446.852	0.000	418,955,998.207	544,543,779.901	0.000	0.000
2005	10	1,036,831,389.212	510,121,446.852	8,655,909.989	192,418,204.164	545,567,731.551	0.000	0.000
2005	11	1,126,565,647.821	510,121,446.852	219,333,894.094	12,168,634.308	571,477,742.237	0.000	0.000
2005	12	1,895,785,653.630	510,121,446.852	746,227,310.872	1,795,821.464	643,580,677.732	0.000	0.000

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Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb
2006	1	2,088,614,520.550	510,121,446.852	747,568,600.721	0.000	673,720,385.605	118,776,847.918	0.000
2006	2	1,741,207,725.628	510,121,446.852	636,218,861.616	0.000	591,886,277.179	0.000	-94,989,532.968
2006	3	1,764,738,383.109	510,121,446.852	726,870,958.620	1,665,396.276	568,495,095.859	0.000	0.000
2006	4	1,274,048,268.013	510,121,446.852	371,242,256.661	19,797,142.362	546,287,420.183	0.000	0.000
2006	5	927,356,559.372	510,121,446.852	30,243,095.742	33,160,737.116	554,264,900.210	0.000	0.000
2006	6	1,057,371,446.257	510,121,446.852	5,805,196.274	124,783,525.447	550,901,119.611	0.000	0.000
2006	7	1,301,637,117.806	510,121,446.852	0.000	307,882,866.383	526,585,478.107	0.000	0.000
2006	8	1,453,111,929.431	510,121,446.852	0.000	491,893,690.802	507,955,378.229	0.000	0.000
2006	9	1,263,456,683.261	510,121,446.852	1,397,185.833	312,492,713.687	544,407,627.029	0.000	0.000
2006	10	975,900,563.479	510,121,446.852	57,606,859.530	43,885,734.520	552,534,463.728	0.000	0.000
2006	11	1,236,877,631.090	510,121,446.852	317,677,574.720	3,029,662.377	557,972,290.712	0.000	0.000
2006	12	1,679,684,196.424	510,121,446.852	500,507,687.804	3,163,896.332	634,163,608.030	0.000	0.000
2007	1	1,911,462,737.759	510,121,446.852	538,427,513.879	346,539.873	660,992,071.952	118,776,847.918	0.000
2007	2	2,235,300,367.520	510,121,446.852	1,086,258,545.410	0.000	580,171,743.414	0.000	-94,989,532.968
2007	3	1,887,364,995.770	510,121,446.852	914,921,414.020	2,658,868.549	566,673,364.479	0.000	0.000
2007	4	1,282,329,551.462	510,121,446.852	315,505,203.099	34,583,317.766	579,713,982.831	0.000	0.000
2007	5	1,050,719,313.711	510,121,446.852	119,734,831.468	60,306,048.429	553,029,521.916	0.000	0.000
2007	6	1,135,617,773.393	510,121,446.852	4,902,148.738	212,406,356.383	547,626,543.078	0.000	0.000
2007	7	1,336,960,288.337	510,121,446.852	0.000	346,751,277.027	520,709,015.400	0.000	0.000
2007	8	1,356,004,565.897	510,121,446.852	0.000	407,624,204.100	511,481,222.116	0.000	0.000
2007	9	1,396,895,802.655	510,121,446.852	0.000	450,332,888.262	540,927,044.562	0.000	0.000
2007	10	1,116,401,940.223	510,121,446.852	10,121,701.075	209,231,357.001	546,551,196.784	0.000	0.000
2007	11	1,159,800,249.392	510,121,446.852	198,220,461.713	35,573,712.362	574,950,406.381	0.000	0.000
2007	12	1,725,819,947.820	510,121,446.852	558,381,769.671	0.000	636,451,568.405	0.000	0.000
2008	1	2,078,987,900.836	510,121,446.852	773,621,339.505	0.000	664,176,726.683	118,776,847.918	0.000
2008	2	1,982,549,582.846	510,121,446.852	941,914,547.520	0.000	581,887,365.349	0.000	-94,989,532.968
2008	3	1,794,941,664.986	510,121,446.852	804,816,019.648	0.000	569,117,391.305	0.000	0.000
2008	4	1,330,724,452.558	510,121,446.852	363,043,077.500	1,708,741.675	578,866,283.424	0.000	0.000
2008	5	989,372,429.641	510,121,446.852	80,678,603.109	22,284,651.064	540,687,520.719	0.000	0.000
2008	6	1,061,044,601.167	510,121,446.852	5,468,908.597	131,253,933.776	550,866,680.500	0.000	0.000
2008	7	1,263,550,130.814	510,121,446.852	0.000	271,862,913.276	523,476,695.038	0.000	0.000
2008	8	1,306,605,600.849	510,121,446.852	0.000	331,888,927.507	514,961,333.443	0.000	0.000
2008	9	1,271,208,381.993	510,121,446.852	0.000	310,428,878.708	540,225,332.056	0.000	0.000

Kentucky Power Company
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Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb
2008	10	986,142,211.303	510,121,446.852	13,099,565.427	118,482,751.212	537,448,340.560	0.000	0.000
2008	11	1,178,521,555.410	510,121,446.852	257,545,759.870	7,663,895.779	551,803,413.630	0.000	0.000
2008	12	2,018,821,068.642	510,121,446.852	835,799,598.114	0.000	624,067,671.504	0.000	0.000
2009	1	2,245,250,678.214	510,121,446.852	919,043,454.640	0.000	660,283,412.819	118,776,847.918	0.000
2009	2	2,162,470,149.427	510,121,446.852	1,123,490,975.128	0.000	586,190,262.458	0.000	-94,989,532.968
2009	3	1,724,639,178.704	510,121,446.852	726,307,178.386	4,848,687.736	553,957,993.418	0.000	0.000
2009	4	1,223,047,185.631	510,121,446.852	278,142,133.903	3,661,383.451	562,088,132.979	0.000	0.000
2009	5	1,049,153,530.647	510,121,446.852	72,032,138.380	70,270,652.533	547,307,557.678	0.000	0.000
2009	6	1,065,026,026.622	510,121,446.852	6,945,704.506	140,821,408.727	544,076,075.438	0.000	0.000
2009	7	1,220,328,481.204	510,121,446.852	0.000	241,110,291.925	518,736,504.022	0.000	0.000
2009	8	1,216,365,138.795	510,121,446.852	0.000	250,033,229.454	504,547,296.454	0.000	0.000
2009	9	1,178,843,867.270	510,121,446.852	0.000	241,098,828.677	528,137,868.389	0.000	0.000
2009	10	1,013,027,960.266	510,121,446.852	50,638,196.396	86,252,284.350	546,591,509.384	0.000	0.000
2009	11	1,119,253,987.282	510,121,446.852	201,771,194.874	3,550,111.083	554,021,962.874	0.000	0.000
2009	12	1,729,277,192.353	510,121,446.852	532,578,338.002	230,071.207	636,478,229.543	0.000	0.000
2010	1	2,383,355,052.052	510,121,446.852	1,094,677,777.565	0.000	653,164,380.772	118,776,847.918	0.000
2010	2	2,108,157,992.030	510,121,446.852	1,081,923,095.634	0.000	560,768,237.937	0.000	-94,989,532.968
2010	3	1,873,832,045.070	510,121,446.852	894,125,375.551	0.000	560,581,067.631	0.000	0.000
2010	4	1,217,340,298.382	510,121,446.852	208,512,585.297	27,850,221.389	564,160,975.730	0.000	0.000
2010	5	987,624,885.076	510,121,446.852	54,097,556.763	43,692,126.382	533,879,015.265	0.000	0.000
2010	6	1,136,093,638.154	510,121,446.852	8,746,496.671	212,542,186.988	543,278,600.424	0.000	0.000
2010	7	1,375,739,664.396	510,121,446.852	0.000	377,938,923.163	518,965,874.401	0.000	0.000
2010	8	1,444,750,542.698	510,121,446.852	0.000	441,060,358.508	502,672,651.398	0.000	0.000
2010	9	1,302,344,149.132	510,121,446.852	0.000	313,977,781.022	523,048,213.489	0.000	0.000
2010	10	1,018,844,972.885	510,121,446.852	16,957,443.134	117,110,780.489	535,558,148.542	0.000	0.000
2010	11	1,097,418,396.424	510,121,446.852	180,434,978.671	11,273,759.528	536,981,244.276	0.000	0.000
2010	12	1,902,877,689.122	510,121,446.852	735,388,178.527	0.000	626,047,085.534	0.000	0.000
2011	1	2,451,381,613.194	510,121,446.852	1,179,867,940.542	0.000	640,876,141.207	118,776,847.918	0.000
2011	2	2,115,883,960.205	510,121,446.852	1,074,447,700.200	0.000	559,907,901.113	0.000	-94,989,532.968
2011	3	1,478,238,523.770	510,121,446.852	562,643,168.397	1,781,998.548	556,129,219.466	0.000	0.000
2011	4	1,262,176,114.152	510,121,446.852	359,487,579.863	17,100,573.126	545,128,485.923	0.000	0.000
2011	5	959,987,374.338	510,121,446.852	69,472,837.584	51,234,077.470	553,950,033.294	0.000	0.000
2011	6	1,091,392,303.841	510,121,446.852	22,296,128.607	191,322,849.713	537,899,468.987	0.000	0.000

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Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb
2011	7	1,275,865,641.734	510,121,446.852	0.000	299,942,403.040	522,525,507.920	0.000	0.000
2011	8	1,392,527,026.074	510,121,446.852	0.000	444,698,026.642	507,213,221.729	0.000	0.000
2011	9	1,213,015,816.244	510,121,446.852	248,518.572	265,883,761.529	526,224,157.957	0.000	0.000
2011	10	933,901,585.823	510,121,446.852	43,666,650.411	47,347,127.820	537,588,313.017	0.000	0.000
2011	11	1,089,706,744.335	510,121,446.852	217,919,509.368	1,093,764.823	543,609,422.969	0.000	0.000
2011	12	1,544,682,918.106	510,121,446.852	398,209,958.130	1,641,463.154	619,943,199.158	0.000	0.000
2012	1	1,977,012,376.882	510,121,446.852	694,443,686.464	0.000	643,684,605.008	118,776,847.918	0.000
2012	2	1,707,325,421.336	510,121,446.852	725,624,451.460	0.000	581,768,467.066	0.000	-94,989,532.968
2012	3	1,455,628,787.984	510,121,446.852	519,841,291.981	9,779,904.613	558,958,525.758	0.000	0.000
2012	4	1,025,154,903.090	510,121,446.852	109,595,388.905	40,818,321.536	562,113,553.434	0.000	0.000
2012	5	943,958,652.642	510,121,446.852	74,533,530.595	59,444,960.348	550,013,522.095	0.000	0.000
2012	6	1,067,365,347.372	510,121,446.852	376,133.033	175,359,992.957	553,217,355.393	0.000	0.000
2012	7	1,371,367,627.553	510,121,446.852	0.000	392,222,007.181	536,653,066.060	0.000	0.000
2012	8	1,325,781,797.449	510,121,446.852	0.000	384,778,388.405	503,176,100.441	0.000	0.000
2012	9	1,204,464,282.811	510,121,446.852	895,364.175	270,278,678.706	539,156,284.896	0.000	0.000
2012	10	956,775,240.443	510,121,446.852	59,125,397.534	64,714,419.781	534,603,986.747	0.000	0.000
2012	11	1,189,703,783.520	510,121,446.852	308,614,243.127	8,344,324.584	551,510,707.930	0.000	0.000
2012	12	1,628,545,177.747	510,121,446.852	504,229,789.932	0.000	621,339,037.557	0.000	0.000
2013	1	2,068,331,129.316	510,121,446.852	787,129,874.385	0.000	641,490,497.649	118,776,847.918	0.000
2013	2	1,850,916,001.455	510,121,446.852	910,254,337.834	0.000	559,365,139.983	0.000	-94,989,532.968
2013	3	1,722,294,811.362	510,121,446.852	793,564,195.727	0.000	558,037,097.797	0.000	0.000
2013	4	1,454,779,795.572	510,121,446.852	513,914,364.271	18,951,238.886	562,693,585.943	0.000	0.000
2013	5	963,665,340.692	510,121,446.852	62,211,531.783	50,938,687.005	532,770,617.993	0.000	0.000
2013	6	1,076,087,066.694	510,121,446.852	10,884,114.436	186,785,739.316	543,465,374.757	0.000	0.000
2013	7	1,263,435,038.349	510,121,446.852	0.000	325,707,290.511	519,115,061.281	0.000	0.000
2013	8	1,228,710,780.108	510,121,446.852	0.000	305,096,550.176	503,601,406.889	0.000	0.000
2013	9	1,170,671,139.693	510,121,446.852	0.000	264,341,807.820	526,047,981.563	0.000	0.000
2013	10	942,009,355.682	510,121,446.852	15,160,770.148	104,264,067.960	535,418,302.067	0.000	0.000
2013	11	1,127,148,576.026	510,121,446.852	255,482,278.632	15,064,946.704	541,285,471.172	0.000	0.000
2013	12	1,809,236,014.902	510,121,446.852	690,104,903.189	447,638.898	618,159,808.294	0.000	0.000
2014	1	2,171,738,805.308	510,121,446.852	903,305,635.764	847,533.338	643,389,898.749	118,776,847.918	0.000
2014	2	2,237,266,617.808	510,121,446.852	1,201,731,187.061	0.000	554,612,112.751	0.000	-94,989,532.968
2014	3	1,851,088,553.457	510,121,446.852	857,652,217.539	0.000	552,391,855.042	0.000	0.000

Kentucky Power Company
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Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb
2014	4	1,311,932,526.869	510,121,446.852	411,812,369.174	6,610,376.841	531,295,691.440	0.000	0.000
2014	5	922,259,717.638	510,121,446.852	51,008,063.654	35,967,760.130	548,504,929.967	0.000	0.000
2014	6	1,039,476,206.034	510,121,446.852	14,065,446.111	138,727,952.217	536,053,915.447	0.000	0.000
2014	7	1,249,927,247.606	510,121,446.852	0.000	293,442,316.918	511,362,250.091	0.000	0.000
2014	8	1,142,402,334.781	510,121,446.852	0.000	207,667,076.319	502,827,486.748	0.000	0.000
2014	9	1,140,566,118.245	510,121,446.852	0.000	241,779,045.722	524,554,322.372	0.000	0.000
2014	10	913,080,978.996	510,121,446.852	25,576,690.582	61,411,506.720	522,593,132.177	0.000	0.000
2014	11	1,145,009,947.789	510,121,446.852	286,928,019.784	5,751,750.929	536,240,419.303	0.000	0.000
2014	12	1,854,853,360.531	510,121,446.852	733,970,053.006	18,418.701	631,890,014.291	0.000	0.000
2015	1	2,051,104,378.676	510,121,446.852	855,426,162.098	0.000	636,847,783.793	118,776,847.918	0.000
2015	2	2,007,008,715.584	510,121,446.852	1,067,964,200.433	0.000	560,736,083.288	0.000	-94,989,532.968
2015	3	2,062,096,135.116	510,121,446.852	1,116,525,304.714	0.000	551,214,879.686	0.000	0.000
2015	4	1,176,472,654.187	510,121,446.852	315,213,521.203	5,052,225.931	557,188,481.966	0.000	0.000
2015	5	901,756,245.321	510,121,446.852	76,600,625.362	54,553,877.295	524,895,242.404	0.000	0.000
2015	6	1,048,754,784.409	510,121,446.852	2,648,663.534	202,888,649.456	539,986,561.497	0.000	0.000
2015	7	1,223,578,311.825	510,121,446.852	0.000	288,579,553.467	524,055,009.673	0.000	0.000
2015	8	1,193,230,110.611	510,121,446.852	0.000	301,547,474.131	487,811,216.288	0.000	0.000
2015	9	1,127,687,550.288	510,121,446.852	0.000	229,965,408.738	517,834,175.706	0.000	0.000
2015	10	899,168,939.993	510,121,446.852	25,315,718.657	72,433,266.108	525,229,985.073	0.000	0.000
2015	11	976,389,340.901	510,121,446.852	146,406,375.409	5,009,589.513	525,464,289.027	0.000	0.000
2015	12	1,412,646,791.398	510,121,446.852	359,194,575.303	1,034,029.997	600,717,864.368	0.000	0.000
2016	1	1,768,489,597.592	510,121,446.852	584,737,618.933	0.000	626,364,630.922	118,776,847.918	0.000
2016	2	1,873,361,073.299	510,121,446.852	974,783,321.529	0.000	543,109,977.094	0.000	-94,989,532.968
2016	3	1,441,209,348.317	510,121,446.852	549,252,083.768	1,284,276.780	539,907,551.491	0.000	0.000
2016	4	1,067,104,041.277	510,121,446.852	196,236,538.803	9,508,866.223	547,348,725.415	0.000	0.000
2016	5	884,055,453.254	510,121,446.852	65,010,788.072	50,031,148.674	513,162,147.402	0.000	0.000
2016	6	994,339,786.489	510,121,446.852	15,162,305.162	168,924,897.447	525,567,245.410	0.000	0.000
2016	7	1,220,646,152.067	510,121,446.852	0.000	315,503,131.447	511,553,968.376	0.000	0.000
2016	8	1,317,833,660.070	510,121,446.852	0.000	422,644,355.018	491,467,281.930	0.000	0.000
2016	9	1,277,281,022.959	510,121,446.852	0.000	389,500,911.996	515,888,230.504	0.000	0.000
2016	10	984,155,201.117	510,121,446.852	2,531,524.975	185,643,432.686	518,971,127.760	0.000	0.000
2016	11	928,330,529.033	510,121,446.852	83,096,961.883	44,557,007.043	516,216,238.037	0.000	0.000
2016	12	1,531,027,981.461	510,121,446.852	489,207,032.747	1,843,342.838	596,816,563.397	0.000	0.000

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Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb
2017	1	1,832,182,110.014	510,121,446.852	651,239,468.317	0.000	615,094,402.133	118,776,847.918	0.000
2017	2	1,433,434,998.482	510,121,446.852	542,912,959.449	0.000	545,000,655.711	0.000	-94,989,532.968
2017	3	1,266,477,988.151	510,121,446.852	425,090,676.279	604,756.748	529,168,705.054	0.000	0.000
2017	4	1,090,812,880.490	510,121,446.852	262,970,330.626	14,296,305.806	519,311,853.677	0.000	0.000
2017	5	844,582,543.569	510,121,446.852	35,812,101.700	75,406,722.596	503,355,552.825	0.000	0.000
2017	6	952,689,064.056	510,121,446.852	8,645,244.560	142,007,818.152	522,229,769.110	0.000	0.000
2017	7	1,172,700,999.556	510,121,446.852	0.000	285,513,670.286	511,421,462.851	0.000	0.000
2017	8	1,178,068,668.929	510,121,446.852	0.000	304,820,383.220	489,272,849.143	0.000	0.000
2017	9	1,049,628,174.320	510,121,446.852	0.000	181,183,771.060	511,697,338.428	0.000	0.000
2017	10	902,711,243.102	510,121,446.852	4,726,425.726	133,620,842.199	512,980,141.999	0.000	0.000
2017	11	1,009,288,321.527	510,121,446.852	191,115,141.971	24,262,896.930	521,243,015.804	0.000	0.000
2017	12	1,553,573,703.107	510,121,446.852	517,224,841.053	911,834.125	595,499,210.953	0.000	0.000
2018	1	2,185,319,963.756	510,121,446.852	1,003,486,285.594	1,866,852.019	609,223,977.286	118,776,847.918	0.000
2018	2	1,769,284,906.109	510,121,446.852	813,739,673.108	3,150,871.206	542,587,742.831	0.000	-94,989,532.968
2018	3	1,322,315,886.664	510,121,446.852	452,595,897.430	6,326,197.278	526,672,679.428	0.000	0.000
2018	4	1,242,971,589.527	510,121,446.852	434,442,213.640	7,285,726.577	542,011,053.926	0.000	0.000
2018	5	939,701,238.578	510,121,446.852	106,570,666.432	79,107,203.669	506,444,651.798	0.000	0.000
2018	6	1,083,616,751.679	510,121,446.852	1,438,762.871	266,770,537.439	533,461,104.399	0.000	0.000
2018	7	1,244,521,723.455	510,121,446.852	0.000	357,545,078.708	504,854,541.535	0.000	0.000
2018	8	1,201,443,312.496	510,121,446.852	0.000	326,491,903.954	487,913,162.475	0.000	0.000
2018	9	1,167,860,974.136	510,121,446.852	0.000	329,962,716.796	509,055,649.197	0.000	0.000
2018	10	987,379,498.299	510,121,446.852	27,198,956.289	206,879,688.003	506,636,462.925	0.000	0.000
2018	11	1,087,058,621.776	510,121,446.852	263,051,444.260	30,204,340.539	525,802,571.054	0.000	0.000
2018	12	1,625,155,479.930	510,121,446.852	610,588,306.909	167,873.498	585,405,363.817	0.000	0.000
2019	1	1,767,543,544.335	510,121,446.852	615,092,861.008	0.000	609,502,469.180	118,776,847.918	0.000
2019	2	1,688,672,254.066	510,121,446.852	820,655,364.651	134,473.386	536,772,818.740	0.000	-94,989,532.968
2019	3	1,431,374,591.273	510,121,446.852	614,922,375.213	1,838,922.016	525,341,545.706	0.000	0.000
2019	4	1,109,192,058.461	510,121,446.852	305,065,168.300	14,430,771.748	529,433,751.128	0.000	0.000
2019	5	852,348,910.145	510,121,446.852	71,316,065.903	47,150,481.104	512,736,845.640	0.000	0.000
2019	6	944,954,157.972	510,121,446.852	8,725,399.758	144,463,692.386	522,580,780.377	0.000	0.000
2019	7	1,157,586,621.366	510,121,446.852	17,801.421	294,970,529.189	504,992,552.797	0.000	0.000
2019	8	1,174,651,890.735	510,121,446.852	0.000	331,543,053.467	485,536,285.673	0.000	0.000
2019	9	1,091,370,253.061	510,121,446.852	196,765.802	267,495,027.053	508,018,997.686	0.000	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb
2019	10	855,168,846.153	510,121,446.852	26,380,634.587	91,681,226.592	511,879,505.406	0.000	0.000
2019	11	985,055,990.180	510,121,446.852	197,428,446.425	12,649,999.085	518,824,418.637	0.000	0.000
2019	12	1,542,871,870.230	510,121,446.852	513,149,522.302	1,271,407.502	591,267,894.785	0.000	0.000
2020	1	1,920,591,967.085	510,121,446.852	758,001,486.869	188,791.837	606,436,644.130	118,776,847.918	0.000
2020	2	1,691,015,978.203	510,121,446.852	814,266,621.831	133,424.542	534,414,707.502	0.000	-94,989,532.968
2020	3	1,429,618,913.667	510,121,446.852	609,985,248.491	1,824,109.867	523,022,959.042	0.000	0.000
2020	4	1,106,933,736.922	510,121,446.852	302,516,293.578	14,310,178.187	527,102,870.251	0.000	0.000
2020	5	850,443,887.466	510,121,446.852	70,701,670.663	46,745,250.008	510,488,090.676	0.000	0.000
2020	6	942,004,185.765	510,121,446.852	8,648,259.983	143,193,596.227	520,300,171.017	0.000	0.000
2020	7	1,153,156,268.459	510,121,446.852	17,642.214	292,352,678.975	502,843,165.253	0.000	0.000
2020	8	1,169,829,470.425	510,121,446.852	0.000	328,615,008.025	483,474,329.734	0.000	0.000
2020	9	1,086,923,851.704	510,121,446.852	195,033.868	265,163,126.894	505,822,905.740	0.000	0.000
2020	10	851,954,228.853	510,121,446.852	26,155,639.428	90,904,322.701	509,625,358.436	0.000	0.000
2020	11	981,058,439.738	510,121,446.852	195,813,956.632	12,546,419.418	516,524,338.954	0.000	0.000
2020	12	1,536,280,223.249	510,121,446.852	509,165,269.301	1,261,421.611	588,660,244.854	0.000	0.000
2021	1	1,910,187,503.264	510,121,446.852	751,209,867.596	187,501.955	602,819,997.136	118,776,847.918	0.000
2021	2	1,680,885,257.603	510,121,446.852	807,196,913.271	132,544.889	531,352,043.168	0.000	-94,989,532.968
2021	3	1,421,597,293.995	510,121,446.852	604,852,330.172	1,812,487.747	520,144,620.903	0.000	0.000
2021	4	1,101,693,309.909	510,121,446.852	300,081,399.790	14,223,224.224	524,383,665.052	0.000	0.000
2021	5	847,186,504.963	510,121,446.852	70,161,197.567	46,476,345.198	508,039,774.857	0.000	0.000
2021	6	938,862,936.951	510,121,446.852	8,585,731.719	142,419,457.327	517,995,434.625	0.000	0.000
2021	7	1,149,499,487.272	510,121,446.852	17,517.875	290,825,723.249	500,713,387.192	0.000	0.000
2021	8	1,166,132,975.578	510,121,446.852	0.000	326,950,421.553	481,442,383.104	0.000	0.000
2021	9	1,083,522,408.561	510,121,446.852	193,735.256	263,877,439.260	503,708,429.823	0.000	0.000
2021	10	849,160,479.839	510,121,446.852	25,985,520.647	90,477,012.774	507,429,028.672	0.000	0.000
2021	11	977,455,018.910	510,121,446.852	194,563,952.256	12,489,010.803	514,228,326.416	0.000	0.000
2021	12	1,530,378,947.898	510,121,446.852	505,958,340.132	1,255,772.604	585,971,545.341	0.000	0.000
2022	1	1,906,705,798.732	510,121,446.852	748,999,500.336	187,266.940	601,548,893.717	118,776,847.918	0.000
2022	2	1,677,413,360.532	510,121,446.852	804,811,188.244	132,380.088	530,266,035.346	0.000	-94,989,532.968
2022	3	1,418,864,951.962	510,121,446.852	603,113,362.122	1,810,385.087	519,153,349.294	0.000	0.000
2022	4	1,099,876,411.874	510,121,446.852	299,212,273.446	14,206,677.108	523,452,440.334	0.000	0.000
2022	5	846,040,229.737	510,121,446.852	69,948,429.343	46,418,065.269	507,164,547.714	0.000	0.000
2022	6	937,759,656.541	510,121,446.852	8,558,211.796	142,221,998.590	517,117,132.839	0.000	0.000

Kentucky Power Company
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Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb
2022	7	1,148,217,698.787	510,121,446.852	17,458.973	290,385,522.064	499,871,858.777	0.000	0.000
2022	8	1,164,744,858.255	510,121,446.852	0.000	326,419,845.139	480,584,842.187	0.000	0.000
2022	9	1,082,081,662.412	510,121,446.852	193,040.787	263,419,477.933	502,726,339.465	0.000	0.000
2022	10	847,772,147.870	510,121,446.852	25,889,991.729	90,310,653.748	506,302,584.645	0.000	0.000
2022	11	975,366,986.467	510,121,446.852	193,809,860.590	12,463,739.358	512,919,657.082	0.000	0.000
2022	12	1,526,634,225.908	510,121,446.852	503,889,293.426	1,252,988.995	584,298,653.665	0.000	0.000
2023	1	1,901,477,208.703	510,121,446.852	745,290,965.974	186,857.785	600,029,247.203	118,776,847.918	0.000
2023	2	1,672,054,896.233	510,121,446.852	800,770,327.569	132,079.461	528,948,732.349	0.000	-94,989,532.968
2023	3	1,414,414,472.876	510,121,446.852	599,972,627.489	1,805,943.271	517,848,046.656	0.000	0.000
2023	4	1,096,998,129.668	510,121,446.852	297,630,872.549	14,170,441.605	522,191,794.529	0.000	0.000
2023	5	844,402,521.179	510,121,446.852	69,578,787.713	46,298,066.821	506,016,479.232	0.000	0.000
2023	6	936,236,381.517	510,121,446.852	8,512,737.254	141,847,591.820	516,013,739.126	0.000	0.000
2023	7	1,146,444,227.746	510,121,446.852	17,366.103	289,613,930.720	498,870,071.950	0.000	0.000
2023	8	1,162,862,193.171	510,121,446.852	0.000	325,533,092.442	479,588,929.799	0.000	0.000
2023	9	1,080,205,596.584	510,121,446.852	191,978.082	262,679,494.576	501,591,319.700	0.000	0.000
2023	10	846,074,928.474	510,121,446.852	25,744,425.104	90,049,317.884	505,012,267.738	0.000	0.000
2023	11	972,782,953.268	510,121,446.852	192,705,079.645	12,426,905.744	511,477,238.443	0.000	0.000
2023	12	1,521,970,547.898	510,121,446.852	500,997,398.577	1,249,240.568	582,530,618.932	0.000	0.000
2024	1	1,895,222,472.795	510,121,446.852	740,737,609.240	186,383.815	598,328,342.000	118,776,847.918	0.000
2024	2	1,665,669,802.342	510,121,446.852	795,847,711.385	131,740.362	527,486,593.741	0.000	-94,989,532.968
2024	3	1,409,425,538.110	510,121,446.852	596,336,784.496	1,801,427.757	516,499,470.396	0.000	0.000
2024	4	1,094,034,909.266	510,121,446.852	295,894,522.388	14,137,451.057	520,997,914.834	0.000	0.000
2024	5	842,845,025.373	510,121,446.852	69,178,527.842	46,193,479.562	504,963,830.558	0.000	0.000
2024	6	934,920,837.615	510,121,446.852	8,464,674.355	141,540,448.808	515,053,401.136	0.000	0.000
2024	7	1,145,017,799.617	510,121,446.852	17,269.848	289,011,749.137	498,045,921.658	0.000	0.000
2024	8	1,161,488,226.030	510,121,446.852	0.000	324,906,123.002	478,841,932.098	0.000	0.000
2024	9	1,078,949,155.866	510,121,446.852	190,991.222	262,213,034.384	500,802,326.033	0.000	0.000
2024	10	844,913,780.643	510,121,446.852	25,615,316.357	89,897,948.044	504,131,598.494	0.000	0.000
2024	11	970,873,157.143	510,121,446.852	191,771,306.606	12,407,548.444	510,520,572.656	0.000	0.000
2024	12	1,518,014,083.819	510,121,446.852	498,391,413.471	1,246,971.306	581,182,409.220	0.000	0.000
2025	1	1,890,384,943.037	510,121,446.852	737,087,112.966	186,225.427	597,141,466.904	118,776,847.918	0.000
2025	2	1,660,692,442.619	510,121,446.852	791,888,829.794	131,624.274	526,468,231.697	0.000	-94,989,532.968
2025	3	1,405,486,164.970	510,121,446.852	593,358,778.053	1,799,812.830	515,539,718.626	0.000	0.000

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Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb
2025	4	1,091,497,854.738	510,121,446.852	294,341,592.870	14,122,227.900	520,029,012.982	0.000	0.000
2025	5	841,574,655.226	510,121,446.852	68,816,482.046	46,144,329.516	504,104,656.253	0.000	0.000
2025	6	933,837,101.268	510,121,446.852	8,418,608.441	141,367,536.688	514,188,642.825	0.000	0.000
2025	7	1,143,784,122.041	510,121,446.852	17,171.933	288,608,269.584	497,215,821.550	0.000	0.000
2025	8	1,160,182,194.166	510,121,446.852	0.000	324,433,286.419	478,008,736.817	0.000	0.000
2025	9	1,077,592,296.725	510,121,446.852	189,887.757	261,820,931.854	499,838,672.887	0.000	0.000
2025	10	843,556,400.068	510,121,446.852	25,468,898.999	89,767,256.535	503,051,326.785	0.000	0.000
2025	11	968,552,299.793	510,121,446.852	190,679,861.215	12,389,695.374	509,309,013.768	0.000	0.000
2025	12	1,514,159,840.367	510,121,446.852	495,835,860.418	1,245,682.335	579,885,007.792	0.000	0.000
2026	1	1,885,716,882.365	510,121,446.852	733,421,224.443	186,133.434	596,139,386.748	118,776,847.918	0.000
2026	2	1,656,123,045.106	510,121,446.852	788,092,727.439	131,575.013	525,694,985.799	0.000	-94,989,532.968
2026	3	1,402,054,920.323	510,121,446.852	590,591,321.755	1,799,296.737	514,876,446.371	0.000	0.000
2026	4	1,089,652,007.378	510,121,446.852	293,022,782.918	14,119,850.431	519,504,353.043	0.000	0.000
2026	5	840,862,815.930	510,121,446.852	68,514,261.431	46,138,865.833	503,700,501.255	0.000	0.000
2026	6	933,588,008.094	510,121,446.852	8,384,384.806	141,382,945.048	513,958,364.925	0.000	0.000
2026	7	1,143,808,624.592	510,121,446.852	17,107.131	288,699,739.022	497,148,919.466	0.000	0.000
2026	8	1,160,224,638.173	510,121,446.852	0.000	324,544,991.021	477,939,476.222	0.000	0.000
2026	9	1,077,555,420.906	510,121,446.852	189,181.659	261,915,624.497	499,707,810.523	0.000	0.000
2026	10	843,251,169.036	510,121,446.852	25,374,459.050	89,801,220.055	502,806,572.183	0.000	0.000
2026	11	967,551,473.832	510,121,446.852	189,997,254.167	12,395,517.415	508,984,972.813	0.000	0.000
2026	12	1,511,949,387.613	510,121,446.852	494,088,214.249	1,246,310.673	579,421,572.869	0.000	0.000
2027	1	1,883,835,750.300	510,121,446.852	731,521,508.105	186,466.631	596,157,637.824	118,776,847.918	0.000
2027	2	1,654,181,640.453	510,121,446.852	786,076,808.473	131,815.123	525,769,260.003	0.000	-94,989,532.968
2027	3	1,400,738,807.626	510,121,446.852	589,127,176.306	1,802,695.115	515,021,080.745	0.000	0.000
2027	4	1,089,221,312.941	510,121,446.852	292,314,792.673	14,147,390.734	519,754,108.548	0.000	0.000
2027	5	841,112,081.667	510,121,446.852	68,349,722.524	46,229,991.933	504,023,179.798	0.000	0.000
2027	6	934,232,768.647	510,121,446.852	8,363,769.067	141,658,338.053	514,348,348.211	0.000	0.000
2027	7	1,144,770,787.670	510,121,446.852	17,063.658	289,246,066.178	497,564,798.860	0.000	0.000
2027	8	1,161,199,517.395	510,121,446.852	0.000	325,149,512.567	478,309,833.898	0.000	0.000
2027	9	1,078,376,245.692	510,121,446.852	188,698.333	262,407,622.493	500,037,120.638	0.000	0.000
2027	10	843,549,870.906	510,121,446.852	25,308,858.309	89,966,185.754	503,005,909.096	0.000	0.000
2027	11	967,111,016.303	510,121,446.852	189,484,730.457	12,417,213.471	509,035,342.939	0.000	0.000
2027	12	1,510,437,400.243	510,121,446.852	492,685,068.090	1,248,362.058	579,310,680.273	0.000	0.000

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2028	1	1,882,279,143.821	510,121,446.852	729,840,584.310	186,969.465	596,281,452.305	118,776,847.918	0.000
2028	2	1,652,534,895.040	510,121,446.852	784,272,406.394	132,170.362	525,926,561.429	0.000	-94,989,532.968
2028	3	1,399,597,915.414	510,121,446.852	587,775,947.725	1,807,550.288	515,226,561.941	0.000	0.000
2028	4	1,088,878,473.660	510,121,446.852	291,644,792.326	14,185,270.410	520,043,389.938	0.000	0.000
2028	5	841,432,502.364	510,121,446.852	68,191,599.410	46,352,962.710	504,378,752.832	0.000	0.000
2028	6	935,028,410.767	510,121,446.852	8,344,218.003	142,032,143.337	514,789,736.112	0.000	0.000
2028	7	1,146,021,032.123	510,121,446.852	17,023.368	290,003,144.928	498,058,004.854	0.000	0.000
2028	8	1,162,500,441.060	510,121,446.852	0.000	325,994,377.262	478,765,892.868	0.000	0.000
2028	9	1,079,452,036.691	510,121,446.852	188,243.843	263,085,090.103	500,435,898.518	0.000	0.000
2028	10	843,991,697.668	510,121,446.852	25,247,577.180	90,196,902.289	503,278,300.451	0.000	0.000
2028	11	966,829,673.130	510,121,446.852	189,022,164.375	12,448,831.714	509,184,947.604	0.000	0.000
2028	12	1,509,265,424.213	510,121,446.852	491,470,213.894	1,251,512.485	579,350,408.012	0.000	0.000
2029	1	1,881,895,236.105	510,121,446.852	727,843,130.523	187,540.292	597,894,427.551	118,776,847.918	0.000
2029	2	1,651,770,901.599	510,121,446.852	782,080,805.980	132,567.821	527,353,770.944	0.000	-94,989,532.968
2029	3	1,399,327,919.241	510,121,446.852	586,097,965.204	1,812,897.938	516,629,200.638	0.000	0.000
2029	4	1,089,527,141.430	510,121,446.852	290,796,881.657	14,226,650.348	521,498,588.440	0.000	0.000
2029	5	842,778,005.617	510,121,446.852	67,989,556.088	46,486,186.239	505,793,075.879	0.000	0.000
2029	6	936,834,430.261	510,121,446.852	8,318,972.797	142,433,378.157	516,219,765.993	0.000	0.000
2029	7	1,148,257,974.363	510,121,446.852	16,970.767	290,807,474.313	499,490,670.309	0.000	0.000
2029	8	1,164,765,108.617	510,121,446.852	0.000	326,879,428.770	480,145,508.918	0.000	0.000
2029	9	1,081,543,431.566	510,121,446.852	187,634.402	263,782,900.734	501,830,092.203	0.000	0.000
2029	10	845,463,424.590	510,121,446.852	25,163,942.923	90,430,439.053	504,600,124.866	0.000	0.000
2029	11	967,474,610.499	510,121,446.852	188,380,908.541	12,480,213.782	510,439,758.739	0.000	0.000
2029	12	1,508,874,664.997	510,121,446.852	489,767,859.753	1,254,591.797	580,658,923.625	0.000	0.000
2030	1	1,878,652,388.631	510,121,446.852	725,452,079.939	187,967.229	597,042,203.723	118,776,847.918	0.000
2030	2	1,648,471,836.991	510,121,446.852	779,466,843.711	132,862.865	526,668,373.561	0.000	-94,989,532.968
2030	3	1,396,733,856.432	510,121,446.852	584,104,383.706	1,816,836.198	516,024,781.068	0.000	0.000
2030	4	1,088,050,349.275	510,121,446.852	289,791,294.947	14,256,830.551	520,997,202.790	0.000	0.000
2030	5	842,283,596.021	510,121,446.852	67,750,511.885	46,582,373.783	505,441,522.942	0.000	0.000
2030	6	936,897,196.497	510,121,446.852	8,289,299.165	142,721,637.663	516,023,946.353	0.000	0.000
2030	7	1,148,723,927.188	510,121,446.852	16,909.401	291,383,375.817	499,380,782.996	0.000	0.000
2030	8	1,165,242,136.291	510,121,446.852	0.000	327,513,722.281	479,988,243.081	0.000	0.000
2030	9	1,081,743,433.196	510,121,446.852	186,939.290	264,284,776.083	501,528,913.596	0.000	0.000

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Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb
2030	10	845,036,206.550	510,121,446.852	25,069,704.010	90,599,312.828	504,098,271.965	0.000	0.000
2030	11	966,078,690.375	510,121,446.852	187,667,709.099	12,503,072.420	509,734,179.420	0.000	0.000
2030	12	1,506,030,470.534	510,121,446.852	487,892,563.055	1,256,841.569	579,687,776.088	0.000	0.000
2031	1	1,875,500,521.015	510,121,446.852	722,828,203.504	188,615.393	596,513,564.379	118,776,847.918	0.000
2031	2	1,645,286,555.292	510,121,446.852	776,661,476.545	133,322.344	526,287,999.550	0.000	-94,989,532.968
2031	3	1,394,361,024.237	510,121,446.852	582,012,835.418	1,823,138.931	515,737,194.428	0.000	0.000
2031	4	1,086,902,596.357	510,121,446.852	288,759,924.453	14,306,494.628	520,831,156.289	0.000	0.000
2031	5	842,192,077.324	510,121,446.852	67,510,657.228	46,745,164.020	505,427,068.665	0.000	0.000
2031	6	937,521,420.554	510,121,446.852	8,260,080.684	143,221,484.200	516,177,542.355	0.000	0.000
2031	7	1,149,983,237.590	510,121,446.852	16,849,943	292,404,174.858	499,619,353.816	0.000	0.000
2031	8	1,166,586,546.961	510,121,446.852	0.000	328,661,168.342	480,185,207.689	0.000	0.000
2031	9	1,082,770,750.018	510,121,446.852	186,285.901	265,212,295.453	501,629,364.437	0.000	0.000
2031	10	845,201,385.185	510,121,446.852	24,982,343.368	90,917,583.976	504,032,540.093	0.000	0.000
2031	11	965,242,644.951	510,121,446.852	187,016,256.332	12,547,075.020	509,505,584.162	0.000	0.000
2031	12	1,503,959,109.838	510,121,446.852	486,205,004.025	1,261,272.343	579,299,543.649	0.000	0.000
2032	1	1,872,662,656.846	510,121,446.852	719,985,532.994	189,171.426	596,517,814.685	118,776,847.918	0.000
2032	2	1,642,291,014.534	510,121,446.852	773,596,491.335	133,713.818	526,357,052.528	0.000	-94,989,532.968
2032	3	1,392,201,834.457	510,121,446.852	579,711,077.917	1,828,480.515	515,874,420.564	0.000	0.000
2032	4	1,086,033,895.150	510,121,446.852	287,613,202.266	14,348,213.191	521,067,458.707	0.000	0.000
2032	5	842,408,946.128	510,121,446.852	67,241,705.468	46,881,007.104	505,777,046.144	0.000	0.000
2032	6	938,400,487.092	510,121,446.852	8,227,085.638	143,636,540.951	516,674,547.187	0.000	0.000
2032	7	1,151,386,863.213	510,121,446.852	16,782.507	293,250,056.478	500,177,165.254	0.000	0.000
2032	8	1,168,042,328.515	510,121,446.852	0.000	329,610,517.525	480,691,640.060	0.000	0.000
2032	9	1,083,960,248.783	510,121,446.852	185,537.192	265,976,151.048	502,055,756.316	0.000	0.000
2032	10	845,641,815.167	510,121,446.852	24,881,817.939	91,179,181.146	504,311,898.335	0.000	0.000
2032	11	964,655,411.860	510,121,446.852	186,262,234.488	12,583,097.893	509,636,350.043	0.000	0.000
2032	12	1,502,018,811.826	510,121,446.852	484,240,150.623	1,264,883.553	579,320,487.829	0.000	0.000
2033	1	1,870,338,201.373	510,121,446.852	717,195,189.171	189,711.370	596,983,163.092	118,776,847.918	0.000
2033	2	1,639,750,814.861	510,121,446.852	770,587,936.039	134,093.845	526,825,028.123	0.000	-94,989,532.968
2033	3	1,390,460,709.266	510,121,446.852	577,448,431.203	1,833,653.688	516,390,768.914	0.000	0.000
2033	4	1,085,564,521.375	510,121,446.852	286,488,769.801	14,388,723.123	521,682,007.465	0.000	0.000
2033	5	842,978,941.296	510,121,446.852	66,978,385.525	47,013,093.972	506,478,274.388	0.000	0.000
2033	6	939,604,043.239	510,121,446.852	8,194,783.306	144,039,864.437	517,507,082.181	0.000	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb
2033	7	1,153,091,084.822	510,121,446.852	16,716.460	294,071,074.360	501,060,435.029	0.000	0.000
2033	8	1,169,786,749.889	510,121,446.852	0.000	330,529,238.473	481,517,340.487	0.000	0.000
2033	9	1,085,466,797.616	510,121,446.852	184,802.436	266,714,902.271	502,824,288.682	0.000	0.000
2033	10	846,425,535.880	510,121,446.852	24,782,885.901	91,431,117.009	504,942,615.222	0.000	0.000
2033	11	964,445,021.044	510,121,446.852	185,519,035.346	12,617,710.386	510,134,545.876	0.000	0.000
2033	12	1,500,525,102.438	510,121,446.852	482,301,775.923	1,268,348.655	579,761,688.038	0.000	0.000
2034	1	1,868,158,366.112	510,121,446.852	714,158,170.537	190,173.561	597,839,884.274	118,776,847.918	0.000
2034	2	1,637,286,106.490	510,121,446.852	767,318,354.097	134,419.536	527,629,576.004	0.000	-94,989,532.968
2034	3	1,388,853,125.712	510,121,446.852	574,996,372.847	1,838,103.138	517,230,794.267	0.000	0.000
2034	4	1,085,312,539.548	510,121,446.852	285,271,224.358	14,423,604.275	522,612,689.929	0.000	0.000
2034	5	843,796,273.520	510,121,446.852	66,693,649.036	47,127,050.358	507,466,386.715	0.000	0.000
2034	6	941,022,041.570	510,121,446.852	8,159,935.144	144,388,922.491	518,610,870.620	0.000	0.000
2034	7	1,154,952,649.655	510,121,446.852	16,645.399	294,784,312.542	502,208,832.741	0.000	0.000
2034	8	1,171,688,062.630	510,121,446.852	0.000	331,332,419.011	482,615,472.690	0.000	0.000
2034	9	1,087,178,467.267	510,121,446.852	184,018.240	267,364,012.945	503,887,631.856	0.000	0.000
2034	10	847,501,864.502	510,121,446.852	24,678,005.990	91,654,735.933	505,900,204.832	0.000	0.000
2034	11	964,541,432.554	510,121,446.852	184,734,866.770	12,648,641.579	510,984,194.769	0.000	0.000
2034	12	1,499,347,217.608	510,121,446.852	480,267,922.992	1,271,471.290	580,614,533.504	0.000	0.000
2035	1	1,866,951,852.539	510,121,446.852	711,650,301.075	190,713.345	599,140,700.379	118,776,847.918	0.000
2035	2	1,635,817,739.995	510,121,446.852	764,640,877.976	134,803.861	528,838,301.303	0.000	-94,989,532.968
2035	3	1,388,099,170.360	510,121,446.852	572,998,833.492	1,843,383.761	518,469,097.647	0.000	0.000
2035	4	1,085,709,608.000	510,121,446.852	284,285,722.379	14,465,295.794	523,953,568.841	0.000	0.000
2035	5	845,092,644.996	510,121,446.852	66,464,307.235	47,263,932.241	508,855,218.109	0.000	0.000
2035	6	942,929,771.543	510,121,446.852	8,131,979.797	144,809,893.411	520,125,585.019	0.000	0.000
2035	7	1,157,364,207.425	510,121,446.852	16,588.545	295,646,350.340	503,758,409.567	0.000	0.000
2035	8	1,174,148,371.091	510,121,446.852	0.000	332,304,318.710	484,103,881.451	0.000	0.000
2035	9	1,089,439,366.312	510,121,446.852	183,393.382	268,150,540.856	505,362,627.847	0.000	0.000
2035	10	849,056,062.229	510,121,446.852	24,594,291.120	91,924,572.696	507,268,280.665	0.000	0.000
2035	11	965,226,044.308	510,121,446.852	184,109,330.622	12,685,942.928	512,257,041.321	0.000	0.000
2035	12	1,499,050,288.350	510,121,446.852	478,639,355.071	1,275,213.067	581,942,430.390	0.000	0.000
2036	1	1,866,605,918.179	510,121,446.852	709,635,922.335	191,388.037	600,808,470.067	118,776,847.918	0.000
2036	2	1,635,177,645.500	510,121,446.852	762,479,191.993	135,280.880	530,359,415.773	0.000	-94,989,532.968
2036	3	1,388,028,187.046	510,121,446.852	571,381,300.994	1,849,909.790	520,009,120.802	0.000	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb
2036	4	1,086,595,652.944	510,121,446.852	283,483,070.776	14,516,471.894	525,591,089.288	0.000	0.000
2036	5	846,737,775.727	510,121,446.852	66,276,312.744	47,430,812.922	510,521,462.650	0.000	0.000
2036	6	945,207,128.103	510,121,446.852	8,108,936.557	145,320,173.761	521,915,704.470	0.000	0.000
2036	7	1,160,216,570.095	510,121,446.852	16,541.404	296,685,210.344	505,571,959.374	0.000	0.000
2036	8	1,177,047,639.866	510,121,446.852	0.000	333,465,975.734	485,841,493.202	0.000	0.000
2036	9	1,092,101,493.231	510,121,446.852	182,866.343	269,082,864.378	507,092,958.283	0.000	0.000
2036	10	850,932,413.517	510,121,446.852	24,523,188.650	92,242,339.134	508,897,967.986	0.000	0.000
2036	11	966,264,132.232	510,121,446.852	183,572,730.746	12,729,461.541	513,788,210.508	0.000	0.000
2036	12	1,499,278,613.943	510,121,446.852	477,236,253.354	1,279,563.196	583,569,507.571	0.000	0.000
2037	1	1,865,458,474.208	510,121,446.852	706,912,648.944	191,863.120	602,383,824.404	118,776,847.918	0.000
2037	2	1,633,646,954.569	510,121,446.852	759,523,074.239	135,611.539	531,784,511.937	0.000	-94,989,532.968
2037	3	1,387,228,832.042	510,121,446.852	569,144,356.119	1,854,363.310	521,442,257.153	0.000	0.000
2037	4	1,087,025,582.522	510,121,446.852	282,363,856.578	14,550,948.290	527,105,756.668	0.000	0.000
2037	5	848,123,093.227	510,121,446.852	66,012,747.926	47,542,135.711	512,059,022.179	0.000	0.000
2037	6	947,154,812.301	510,121,446.852	8,076,437.115	145,656,859.217	523,559,202.653	0.000	0.000
2037	7	1,162,558,641.373	510,121,446.852	16,474.615	297,363,995.164	507,235,312.621	0.000	0.000
2037	8	1,179,397,174.932	510,121,446.852	0.000	334,220,043.663	487,436,960.339	0.000	0.000
2037	9	1,094,280,719.110	510,121,446.852	182,117.469	269,683,372.888	508,672,424.526	0.000	0.000
2037	10	852,512,975.866	510,121,446.852	24,422,031.597	92,445,493.600	510,376,532.921	0.000	0.000
2037	11	966,916,478.009	510,121,446.852	182,810,590.711	12,757,164.793	515,174,993.068	0.000	0.000
2037	12	1,498,742,641.248	510,121,446.852	475,240,978.809	1,282,311.709	585,026,060.908	0.000	0.000
2038	1	1,864,746,896.309	510,121,446.852	704,406,625.746	192,356.017	604,177,776.806	118,776,847.918	0.000
2038	2	1,632,571,024.113	510,121,446.852	756,822,155.388	135,958.275	533,409,153.595	0.000	-94,989,532.968
2038	3	1,386,828,841.553	510,121,446.852	567,111,188.680	1,859,072.027	523,070,725.385	0.000	0.000
2038	4	1,087,763,262.434	510,121,446.852	281,351,563.353	14,587,690.137	528,818,987.957	0.000	0.000
2038	5	849,729,190.062	510,121,446.852	65,775,087.005	47,661,381.632	513,783,534.014	0.000	0.000
2038	6	949,318,107.250	510,121,446.852	8,047,226.555	146,019,539.591	525,389,027.789	0.000	0.000
2038	7	1,165,138,065.721	510,121,446.852	16,414.798	298,099,793.020	509,078,998.930	0.000	0.000
2038	8	1,181,987,563.752	510,121,446.852	0.000	335,040,934.974	489,206,457.849	0.000	0.000
2038	9	1,096,715,375.674	510,121,446.852	181,451.245	270,342,714.674	510,448,405.528	0.000	0.000
2038	10	854,337,225.899	510,121,446.852	24,332,389.640	92,670,312.494	512,065,606.017	0.000	0.000
2038	11	967,887,195.943	510,121,446.852	182,137,666.181	12,788,047.118	516,787,753.207	0.000	0.000
2038	12	1,498,725,701.116	510,121,446.852	473,487,597.818	1,285,404.088	586,759,409.388	0.000	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb
2039	1	1,864,168,586.917	510,121,446.852	701,968,467.335	192,804.231	606,037,177.611	118,776,847.918	0.000
2039	2	1,631,625,207.095	510,121,446.852	754,198,307.390	136,274.229	535,086,868.623	0.000	-94,989,532.968
2039	3	1,386,554,738.057	510,121,446.852	565,146,567.363	1,863,396.682	524,756,918.552	0.000	0.000
2039	4	1,088,591,337.600	510,121,446.852	280,377,535.356	14,621,655.816	530,587,125.442	0.000	0.000
2039	5	851,390,664.807	510,121,446.852	65,547,777.979	47,772,634.209	515,561,065.207	0.000	0.000
2039	6	951,520,904.448	510,121,446.852	8,019,510.581	146,362,030.960	527,277,049.592	0.000	0.000
2039	7	1,167,738,845.132	510,121,446.852	16,358.423	298,801,764.192	510,977,863.544	0.000	0.000
2039	8	1,184,614,286.473	510,121,446.852	0.000	335,835,346.923	491,038,768.621	0.000	0.000
2039	9	1,099,212,624.299	510,121,446.852	180,834.626	270,988,914.455	512,300,070.991	0.000	0.000
2039	10	856,260,671.425	510,121,446.852	24,250,263.302	92,893,945.575	513,847,544.801	0.000	0.000
2039	11	969,027,357.078	510,121,446.852	181,526,683.649	12,819,168.509	518,507,775.484	0.000	0.000
2039	12	1,499,022,192.813	510,121,446.852	471,910,330.328	1,288,561.852	588,630,010.810	0.000	0.000
2040	1	1,862,714,934.985	510,121,446.852	700,089,476.444	193,190.598	606,462,130.204	118,776,847.918	0.000
2040	2	1,630,094,473.115	510,121,446.852	752,205,827.970	136,551.783	535,548,336.509	0.000	-94,989,532.968
2040	3	1,385,619,433.681	510,121,446.852	563,671,385.130	1,867,247.039	525,292,946.052	0.000	0.000
2040	4	1,088,551,425.075	510,121,446.852	279,653,053.427	14,652,231.240	531,241,119.422	0.000	0.000
2040	5	852,108,257.328	510,121,446.852	65,379,917.245	47,873,551.209	516,345,601.463	0.000	0.000
2040	6	952,792,129.381	510,121,446.852	7,999,112.084	146,673,457.985	528,257,245.998	0.000	0.000
2040	7	1,169,412,607.872	510,121,446.852	16,317.027	299,440,844.363	512,012,587.509	0.000	0.000
2040	8	1,186,293,674.677	510,121,446.852	0.000	336,555,721.994	491,997,781.754	0.000	0.000
2040	9	1,100,667,241.448	510,121,446.852	180,378.356	271,569,237.985	513,174,820.880	0.000	0.000
2040	10	857,112,546.126	510,121,446.852	24,189,033.941	93,092,490.641	514,562,103.796	0.000	0.000
2040	11	969,154,594.138	510,121,446.852	181,067,785.021	12,846,499.024	519,066,580.656	0.000	0.000
2040	12	1,498,338,346.139	510,121,446.852	470,713,703.536	1,291,296.836	589,140,055.945	0.000	0.000
2041	1	1,860,836,766.832	510,121,446.852	697,537,361.631	193,500.109	607,135,767.351	118,776,847.918	0.000
2041	2	1,627,985,821.985	510,121,446.852	749,441,701.273	136,766.932	536,203,596.926	0.000	-94,989,532.968
2041	3	1,384,241,192.077	510,121,446.852	561,584,107.634	1,870,141.137	525,999,087.845	0.000	0.000
2041	4	1,088,337,835.255	510,121,446.852	278,610,675.228	14,674,616.198	532,047,522.843	0.000	0.000
2041	5	852,842,308.225	510,121,446.852	65,134,842.107	47,945,793.795	517,252,484.911	0.000	0.000
2041	6	954,059,727.415	510,121,446.852	7,968,978.611	146,892,439.221	529,335,996.267	0.000	0.000
2041	7	1,170,978,866.206	510,121,446.852	16,255.235	299,882,740.255	513,137,011.743	0.000	0.000
2041	8	1,187,832,569.179	510,121,446.852	0.000	337,047,530.752	493,044,867.497	0.000	0.000
2041	9	1,102,030,472.338	510,121,446.852	179,689.616	271,962,881.564	514,145,096.930	0.000	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb
2041	10	857,969,873.942	510,121,446.852	24,096,291.126	93,226,192.100	515,378,472.968	0.000	0.000
2041	11	969,143,459.804	510,121,446.852	180,370,760.159	12,864,783.099	519,734,187.109	0.000	0.000
2041	12	1,497,155,037.979	510,121,446.852	468,896,088.673	1,293,122.466	589,772,537.018	0.000	0.000
2042	1	1,859,508,131.347	510,121,446.852	695,164,359.555	193,813.953	608,179,820.099	118,776,847.918	0.000
2042	2	1,626,420,888.247	510,121,446.852	746,893,330.732	136,989.050	537,186,811.610	0.000	-94,989,532.968
2042	3	1,383,360,774.137	510,121,446.852	559,675,613.330	1,873,183.253	527,024,122.094	0.000	0.000
2042	4	1,088,544,081.989	510,121,446.852	277,665,642.394	14,698,593.189	533,174,825.421	0.000	0.000
2042	5	853,905,832.792	510,121,446.852	64,914,263.811	48,024,424.275	518,457,957.295	0.000	0.000
2042	6	955,640,466.855	510,121,446.852	7,942,041.986	147,134,330.705	530,701,780.849	0.000	0.000
2042	7	1,172,881,767.374	510,121,446.852	16,200.449	300,379,618.448	514,543,089.504	0.000	0.000
2042	8	1,189,722,987.551	510,121,446.852	0.000	337,608,212.758	494,374,603.863	0.000	0.000
2042	9	1,103,769,547.469	510,121,446.852	179,086.458	272,417,419.810	515,430,236.974	0.000	0.000
2042	10	859,207,156.549	510,121,446.852	24,015,667.330	93,383,062.615	516,539,508.857	0.000	0.000
2042	11	969,607,109.256	510,121,446.852	179,769,035.984	12,886,566.836	520,777,777.000	0.000	0.000
2042	12	1,496,676,332.029	510,121,446.852	467,336,475.312	1,295,325.989	590,851,240.907	0.000	0.000
2043	1	1,858,723,592.465	510,121,446.852	692,967,369.969	194,149.190	609,591,935.567	118,776,847.918	0.000
2043	2	1,625,365,667.438	510,121,446.852	744,537,796.671	137,226.946	538,486,886.967	0.000	-94,989,532.968
2043	3	1,382,930,862.067	510,121,446.852	557,913,120.463	1,876,444.657	528,353,441.487	0.000	0.000
2043	4	1,089,122,379.003	510,121,446.852	276,792,451.533	14,724,243.822	534,600,662.661	0.000	0.000
2043	5	855,261,265.969	510,121,446.852	64,710,125.868	48,108,214.780	519,933,737.910	0.000	0.000
2043	6	957,490,668.005	510,121,446.852	7,917,076.031	147,391,211.546	532,320,067.114	0.000	0.000
2043	7	1,175,049,075.764	510,121,446.852	16,149.527	300,904,242.611	516,185,824.652	0.000	0.000
2043	8	1,191,877,636.815	510,121,446.852	0.000	338,197,957.329	495,939,508.557	0.000	0.000
2043	9	1,105,788,544.173	510,121,446.852	178,523.552	272,893,680.065	516,973,536.329	0.000	0.000
2043	10	860,729,533.350	510,121,446.852	23,940,145.023	93,546,280.206	517,974,190.373	0.000	0.000
2043	11	970,395,801.125	510,121,446.852	179,202,405.898	12,909,004.203	522,110,661.587	0.000	0.000
2043	12	1,496,607,727.535	510,121,446.852	465,857,754.924	1,297,565.518	592,259,117.272	0.000	0.000
2044	1	1,858,643,906.636	510,121,446.852	691,103,557.461	194,550.045	611,375,661.390	118,776,847.918	0.000
2044	2	1,624,985,517.310	510,121,446.852	742,537,566.299	137,510.641	540,106,683.516	0.000	-94,989,532.968
2044	3	1,383,073,266.688	510,121,446.852	556,418,330.623	1,880,338.835	529,986,741.770	0.000	0.000
2044	4	1,090,134,916.674	510,121,446.852	276,052,431.181	14,754,908.502	536,322,556.005	0.000	0.000
2044	5	856,935,231.190	510,121,446.852	64,537,430.374	48,208,687.746	521,679,925.659	0.000	0.000
2044	6	959,645,722.395	510,121,446.852	7,895,937.058	147,698,835.376	534,188,636.645	0.000	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb
2044	7	1,177,556,272.988	510,121,446.852	16,106.331	301,530,588.456	518,066,719.227	0.000	0.000
2044	8	1,194,382,737.915	510,121,446.852	0.000	338,899,890.427	497,742,676.559	0.000	0.000
2044	9	1,108,160,061.022	510,121,446.852	178,044.908	273,459,298.167	518,779,913.720	0.000	0.000
2044	10	862,576,858.772	510,121,446.852	23,875,932.015	93,739,988.710	519,692,020.298	0.000	0.000
2044	11	971,583,143.089	510,121,446.852	178,721,926.254	12,935,742.340	523,751,745.058	0.000	0.000
2044	12	1,497,133,595.454	510,121,446.852	464,609,843.458	1,300,256.269	594,030,205.905	0.000	0.000
2045	1	1,858,115,957.398	510,121,446.852	688,704,900.126	194,814.950	613,246,104.582	118,776,847.918	0.000
2045	2	1,624,083,174.128	510,121,446.852	739,949,784.333	137,696.330	541,791,936.611	0.000	-94,989,532.968
2045	3	1,382,814,735.707	510,121,446.852	554,470,180.518	1,882,852.496	531,673,847.233	0.000	0.000
2045	4	1,090,951,141.810	510,121,446.852	275,082,937.244	14,774,506.229	538,088,677.352	0.000	0.000
2045	5	858,548,031.274	510,121,446.852	64,310,289.395	48,272,474.985	523,456,079.482	0.000	0.000
2045	6	961,696,200.954	510,121,446.852	7,868,083.252	147,893,511.706	536,072,292.681	0.000	0.000
2045	7	1,179,845,405.243	510,121,446.852	16,049.405	301,926,973.668	519,959,523.196	0.000	0.000
2045	8	1,196,647,246.224	510,121,446.852	0.000	339,344,888.550	499,562,186.744	0.000	0.000
2045	9	1,110,339,395.999	510,121,446.852	177,412.921	273,816,553.201	520,602,625.650	0.000	0.000
2045	10	864,354,890.454	510,121,446.852	23,790,990.963	93,862,041.342	521,432,940.401	0.000	0.000
2045	11	972,630,570.049	510,121,446.852	178,084,199.705	12,952,495.379	525,420,145.528	0.000	0.000
2045	12	1,497,274,032.057	510,121,446.852	462,947,945.622	1,301,933.662	595,830,862.951	0.000	0.000
2046	1	1,857,636,878.054	510,121,446.852	686,312,108.732	195,063.663	615,159,567.919	118,776,847.918	0.000
2046	2	1,623,225,342.255	510,121,446.852	737,370,116.349	137,871.018	543,513,598.035	0.000	-94,989,532.968
2046	3	1,382,600,797.044	510,121,446.852	552,530,711.339	1,885,226.154	533,397,004.090	0.000	0.000
2046	4	1,091,802,162.227	510,121,446.852	274,116,571.448	14,792,958.648	539,887,611.145	0.000	0.000
2046	5	860,179,718.991	510,121,446.852	64,083,322.640	48,332,135.460	525,255,073.480	0.000	0.000
2046	6	963,751,958.946	510,121,446.852	7,840,216.059	148,074,905.869	537,974,523.703	0.000	0.000
2046	7	1,182,123,312.924	510,121,446.852	15,992.361	302,294,433.586	521,870,028.004	0.000	0.000
2046	8	1,198,892,580.852	510,121,446.852	0.000	339,754,288.704	501,398,121.218	0.000	0.000
2046	9	1,112,513,887.756	510,121,446.852	176,778.123	274,144,904.330	522,449,401.075	0.000	0.000
2046	10	866,150,924.353	510,121,446.852	23,705,591.445	93,973,807.730	523,202,607.429	0.000	0.000
2046	11	973,706,160.489	510,121,446.852	177,442,458.536	12,967,777.133	527,122,195.384	0.000	0.000
2046	12	1,497,443,586.782	510,121,446.852	461,274,370.781	1,303,458.540	597,672,467.639	0.000	0.000
2047	1	1,857,314,296.818	510,121,446.852	683,975,439.341	195,307.881	617,173,411.857	118,776,847.918	0.000
2047	2	1,622,526,025.698	510,121,446.852	734,857,688.147	138,043.393	545,326,537.305	0.000	-94,989,532.968
2047	3	1,382,530,296.050	510,121,446.852	550,645,950.858	1,887,577.749	535,208,911.982	0.000	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb
2047	4	1,092,782,072.342	510,121,446.852	273,181,999.045	14,811,452.988	541,783,599.322	0.000	0.000
2047	5	861,915,428.829	510,121,446.852	63,864,600.506	48,392,430.123	527,149,210.789	0.000	0.000
2047	6	965,907,501.284	510,121,446.852	7,813,434.316	148,259,341.326	539,972,412.327	0.000	0.000
2047	7	1,184,503,969.732	510,121,446.852	15,937.644	302,669,544.144	523,875,628.970	0.000	0.000
2047	8	1,201,249,886.664	510,121,446.852	0.000	340,174,933.360	503,334,782.374	0.000	0.000
2047	9	1,114,803,170.073	510,121,446.852	176,170.680	274,481,510.028	524,402,685.138	0.000	0.000
2047	10	868,066,252.329	510,121,446.852	23,623,901.511	94,088,365.458	525,085,067.613	0.000	0.000
2047	11	974,935,245.187	510,121,446.852	176,829,424.132	12,983,484.852	528,948,606.766	0.000	0.000
2047	12	1,497,828,756.436	510,121,446.852	459,673,968.414	1,305,019.509	599,656,478.691	0.000	0.000
2048	1	1,857,202,975.589	510,121,446.852	681,779,176.470	195,569.042	619,258,092.337	118,776,847.918	0.000
2048	2	1,622,027,529.746	510,121,446.852	732,487,456.702	138,226.367	547,198,089.824	0.000	-94,989,532.968
2048	3	1,382,618,697.083	510,121,446.852	548,862,825.768	1,890,060.870	537,077,954.984	0.000	0.000
2048	4	1,093,849,350.985	510,121,446.852	272,290,140.519	14,830,592.849	543,723,596.630	0.000	0.000
2048	5	863,699,579.600	510,121,446.852	63,654,687.262	48,454,038.106	529,081,666.822	0.000	0.000
2048	6	968,087,355.249	510,121,446.852	7,787,497.616	148,443,634.263	541,993,910.054	0.000	0.000
2048	7	1,186,897,034.561	510,121,446.852	15,884.294	303,038,004.140	525,900,287.154	0.000	0.000
2048	8	1,203,598,324.026	510,121,446.852	0.000	340,578,125.674	505,280,027.422	0.000	0.000
2048	9	1,117,082,831.762	510,121,446.852	175,569.651	274,799,237.743	526,365,220.140	0.000	0.000
2048	10	869,977,428.719	510,121,446.852	23,542,487.622	94,194,249.536	526,971,773.813	0.000	0.000
2048	11	976,153,512.948	510,121,446.852	176,213,234.806	12,997,630.505	530,768,918.200	0.000	0.000
2048	12	1,498,182,875.793	510,121,446.852	458,055,687.344	1,306,397.758	601,627,500.869	0.000	0.000
2049	1	1,856,777,560.249	510,121,446.852	679,201,063.909	195,690.223	621,410,668.377	118,776,847.918	0.000
2049	2	1,621,175,666.409	510,121,446.852	729,705,774.851	138,310.204	549,127,824.501	0.000	-94,989,532.968
2049	3	1,382,451,886.245	510,121,446.852	546,770,499.193	1,891,185.758	539,002,345.834	0.000	0.000
2049	4	1,094,806,276.823	510,121,446.852	271,244,496.390	14,839,055.128	545,717,704.319	0.000	0.000
2049	5	865,462,556.992	510,121,446.852	63,408,729.201	48,480,695.780	531,063,944.600	0.000	0.000
2049	6	970,203,077.701	510,121,446.852	7,757,140.477	148,520,653.909	544,062,970.001	0.000	0.000
2049	7	1,189,115,668.697	510,121,446.852	15,821.907	303,187,089.499	527,969,898.318	0.000	0.000
2049	8	1,205,743,176.047	510,121,446.852	0.000	340,734,331.490	507,268,673.627	0.000	0.000
2049	9	1,119,208,874.173	510,121,446.852	174,868.284	274,917,334.578	528,373,867.085	0.000	0.000
2049	10	871,854,104.195	510,121,446.852	23,447,590.282	94,231,586.726	528,906,009.438	0.000	0.000
2049	11	977,310,408.630	510,121,446.852	175,495,907.834	13,002,300.675	532,638,470.684	0.000	0.000
2049	12	1,498,328,647.349	510,121,446.852	456,173,971.471	1,306,822.001	603,654,564.055	0.000	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb
2050	1	1,856,799,368.217	510,121,446.852	676,945,676.755	195,896.367	623,687,657.356	118,776,847.918	0.000
2050	2	1,620,777,062.849	510,121,446.852	727,269,782.851	138,453.918	551,165,069.226	0.000	-94,989,532.968
2050	3	1,382,647,225.492	510,121,446.852	544,936,389.955	1,893,126.932	541,029,853.145	0.000	0.000
2050	4	1,095,998,659.687	510,121,446.852	270,326,581.286	14,853,903.357	547,813,154.057	0.000	0.000
2050	5	867,370,764.959	510,121,446.852	63,192,537.426	48,528,152.898	533,140,887.224	0.000	0.000
2050	6	972,478,051.099	510,121,446.852	7,730,413.739	148,661,189.151	546,224,134.893	0.000	0.000
2050	7	1,191,550,232.165	510,121,446.852	15,766.902	303,465,432.795	530,126,173.494	0.000	0.000
2050	8	1,208,116,143.779	510,121,446.852	0.000	341,035,333.261	509,340,639.588	0.000	0.000
2050	9	1,121,540,613.242	510,121,446.852	174,248.003	275,151,870.268	530,471,690.744	0.000	0.000
2050	10	873,873,499.471	510,121,446.852	23,363,530.993	94,308,699.146	530,932,351.583	0.000	0.000
2050	11	978,649,195.081	510,121,446.852	174,859,436.180	13,012,439.733	534,603,589.730	0.000	0.000
2050	12	1,498,794,617.044	510,121,446.852	454,501,781.346	1,307,794.063	605,791,751.813	0.000	0.000
2051	1	1,859,339,835.392	510,121,446.852	677,383,382.063	196,318.709	625,789,996.880	118,776,847.918	0.000
2051	2	1,623,135,276.856	510,121,446.852	727,736,495.763	138,751.728	553,056,272.511	0.000	-94,989,532.968
2051	3	1,384,891,825.851	510,121,446.852	545,284,495.544	1,897,193.282	542,922,281.565	0.000	0.000
2051	4	1,098,167,352.570	510,121,446.852	270,494,863.771	14,885,570.905	549,781,896.908	0.000	0.000
2051	5	869,477,093.878	510,121,446.852	63,231,133.443	48,631,042.842	535,105,730.181	0.000	0.000
2051	6	974,853,310.768	510,121,446.852	7,734,961.123	148,972,992.000	548,283,044.330	0.000	0.000
2051	7	1,194,247,057.160	510,121,446.852	15,775.884	304,096,155.335	532,192,266.967	0.000	0.000
2051	8	1,210,804,140.891	510,121,446.852	0.000	341,735,457.653	511,328,512.309	0.000	0.000
2051	9	1,124,107,387.472	510,121,446.852	174,339.396	275,711,014.760	532,479,229.090	0.000	0.000
2051	10	876,006,701.528	510,121,446.852	23,375,202.689	94,497,960.697	532,864,620.393	0.000	0.000
2051	11	980,624,091.101	510,121,446.852	174,941,767.535	13,038,176.053	536,470,418.077	0.000	0.000
2051	12	1,501,022,815.674	510,121,446.852	454,703,514.557	1,310,345.132	607,815,666.164	0.000	0.000
2052	1	1,861,949,371.134	510,121,446.852	677,846,039.980	196,741.096	627,936,452.319	118,776,847.918	0.000
2052	2	1,625,553,680.223	510,121,446.852	728,226,340.073	139,049.041	554,984,534.255	0.000	-94,989,532.968
2052	3	1,387,185,431.702	510,121,446.852	545,647,125.946	1,901,245.539	544,849,204.756	0.000	0.000
2052	4	1,100,374,725.189	510,121,446.852	270,668,956.013	14,917,069.870	551,783,678.321	0.000	0.000
2052	5	871,613,954.928	510,121,446.852	63,270,754.365	48,733,189.859	537,100,823.293	0.000	0.000
2052	6	977,254,748.833	510,121,446.852	7,739,593.267	149,281,927.622	550,370,914.628	0.000	0.000
2052	7	1,196,963,447.787	510,121,446.852	15,784.962	304,719,893.812	534,284,910.039	0.000	0.000
2052	8	1,213,506,971.252	510,121,446.852	0.000	342,426,442.991	513,340,357.331	0.000	0.000
2052	9	1,126,688,969.273	510,121,446.852	174,430.094	276,261,732.767	534,510,002.185	0.000	0.000

Kentucky Power Company
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Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb
2052	10	878,157,872.107	510,121,446.852	23,386,664.353	94,683,973.651	534,818,316.355	0.000	0.000
2052	11	982,615,722.562	510,121,446.852	175,021,651.391	13,063,414.122	538,356,927.612	0.000	0.000
2052	12	1,503,262,586.894	510,121,446.852	454,896,783.760	1,312,841.470	609,859,671.841	0.000	0.000
2053	1	1,864,569,552.287	510,121,446.852	678,300,848.200	197,157.950	630,101,408.396	118,776,847.918	0.000
2053	2	1,627,979,353.856	510,121,446.852	728,707,294.788	139,342.371	556,928,959.843	0.000	-94,989,532.968
2053	3	1,389,487,635.291	510,121,446.852	546,002,723.860	1,905,242.225	546,791,813.746	0.000	0.000
2053	4	1,102,593,778.019	510,121,446.852	270,839,357.717	14,948,123.016	553,801,276.300	0.000	0.000
2053	5	873,763,537.367	510,121,446.852	63,309,459.218	48,833,845.876	539,111,044.862	0.000	0.000
2053	6	979,666,494.020	510,121,446.852	7,744,106.326	149,586,177.760	552,473,896.618	0.000	0.000
2053	7	1,199,684,848.936	510,121,446.852	15,793.783	305,333,840.450	536,392,355.730	0.000	0.000
2053	8	1,216,212,575.943	510,121,446.852	0.000	343,106,161.792	515,366,243.221	0.000	0.000
2053	9	1,129,275,223.987	510,121,446.852	174,517.663	276,803,161.924	536,554,740.173	0.000	0.000
2053	10	880,318,664.249	510,121,446.852	23,397,688.317	94,866,735.497	536,785,322.688	0.000	0.000
2053	11	984,616,207.138	510,121,446.852	175,098,121.747	13,088,193.989	540,256,161.966	0.000	0.000
2053	12	1,505,506,503.702	510,121,446.852	455,080,821.327	1,315,290.793	611,917,101.760	0.000	0.000
2054	1	1,867,202,191.710	510,121,446.852	678,755,036.694	197,571.923	632,279,445.354	118,776,847.918	0.000
2054	2	1,630,417,220.188	510,121,446.852	729,188,406.742	139,633.768	558,885,422.824	0.000	-94,989,532.968
2054	3	1,391,802,944.774	510,121,446.852	546,359,118.307	1,909,214.104	548,746,756.902	0.000	0.000
2054	4	1,104,826,659.196	510,121,446.852	271,010,540.523	14,978,995.732	555,832,101.954	0.000	0.000
2054	5	875,926,299.986	510,121,446.852	63,348,445.094	48,933,965.038	541,134,702.443	0.000	0.000
2054	6	982,091,013.037	510,121,446.852	7,748,665.497	149,888,936.474	554,591,097.750	0.000	0.000
2054	7	1,202,418,170.098	510,121,446.852	15,802.719	305,945,021.444	538,514,486.962	0.000	0.000
2054	8	1,218,929,941.529	510,121,446.852	0.000	343,783,051.072	517,406,719.527	0.000	0.000
2054	9	1,131,874,622.762	510,121,446.852	174,606.936	277,342,525.474	538,614,686.125	0.000	0.000
2054	10	882,494,276.624	510,121,446.852	23,408,967.656	95,048,856.275	538,767,534.945	0.000	0.000
2054	11	986,634,021.672	510,121,446.852	175,176,699.029	13,112,894.160	542,170,699.047	0.000	0.000
2054	12	1,507,773,471.635	510,121,446.852	455,270,809.672	1,317,732.922	613,991,639.219	0.000	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Mar	Apr	May	Jun	Jul	Aug	Sep
1995	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1995	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1995	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
1995	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
1995	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
1995	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
1995	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
1995	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
1995	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
1995	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1995	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1995	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1996	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1996	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1996	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
1996	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
1996	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
1996	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
1996	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
1996	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
1996	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
1996	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1996	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1996	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1997	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1997	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1997	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
1997	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
1997	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
1997	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
1997	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
1997	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
1997	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595

Kentucky Power Company
 Residential Model Output Data

Year	Month	Mar	Apr	May	Jun	Jul	Aug	Sep
1997	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1997	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1997	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1998	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1998	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1998	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
1998	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
1998	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
1998	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
1998	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
1998	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
1998	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
1998	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1998	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1998	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1999	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1999	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1999	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
1999	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
1999	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
1999	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
1999	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
1999	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
1999	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
1999	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1999	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1999	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2000	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2000	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2000	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2000	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2000	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2000	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Mar	Apr	May	Jun	Jul	Aug	Sep
2000	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2000	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2000	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
2000	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2000	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2000	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2001	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2001	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2001	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2001	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2001	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2001	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
2001	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2001	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2001	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
2001	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2001	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2001	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2002	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2002	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2002	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2002	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2002	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2002	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
2002	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2002	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2002	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
2002	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2002	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2002	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2003	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2003	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2003	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Mar	Apr	May	Jun	Jul	Aug	Sep
2006	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2006	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2006	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2006	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2006	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2006	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
2006	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2006	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2006	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
2006	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2006	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2006	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2007	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2007	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2007	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2007	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2007	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2007	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
2007	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2007	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2007	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
2007	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2007	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2007	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2008	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2008	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2008	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2008	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2008	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2008	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
2008	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2008	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2008	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595

Kentucky Power Company
 Residential Model Output Data

Year	Month	Mar	Apr	May	Jun	Jul	Aug	Sep
2008	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2008	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2008	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2009	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2009	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2009	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2009	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2009	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2009	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
2009	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2009	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2009	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
2009	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2009	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2009	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2010	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2010	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2010	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2010	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2010	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2010	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
2010	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2010	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2010	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
2010	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2010	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2010	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2011	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2011	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2011	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2011	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2011	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2011	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Mar	Apr	May	Jun	Jul	Aug	Sep
2011	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2011	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2011	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
2011	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2011	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2011	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2012	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2012	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2012	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2012	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2012	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2012	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
2012	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2012	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2012	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
2012	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2012	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2012	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2013	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2013	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2013	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2013	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2013	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2013	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
2013	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2013	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2013	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
2013	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2013	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2013	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2014	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2014	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2014	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Mar	Apr	May	Jun	Jul	Aug	Sep
2017	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2017	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2017	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2017	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2017	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2017	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
2017	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2017	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2017	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
2017	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2017	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2017	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2018	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2018	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2018	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
2018	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2018	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2018	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
2018	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2018	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2019	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2019	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2019	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2019	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2019	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2019	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
2019	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2019	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2019	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595

Kentucky Power Company
 Residential Model Output Data

Year	Month	Mar	Apr	May	Jun	Jul	Aug	Sep
2019	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2019	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2019	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2020	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2020	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2020	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2020	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2020	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2020	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
2020	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2020	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2020	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
2020	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2020	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2020	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2021	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2021	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2021	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2021	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2021	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2021	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
2021	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2021	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2021	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
2021	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2021	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2021	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2022	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2022	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2022	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2022	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2022	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2022	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Mar	Apr	May	Jun	Jul	Aug	Sep
2022	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2022	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2022	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
2022	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2022	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2022	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2023	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2023	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2023	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2023	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2023	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2023	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
2023	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2023	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2023	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
2023	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2023	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2023	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2024	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2024	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2024	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2024	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2024	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2024	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
2024	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2024	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2024	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
2024	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2024	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2024	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2025	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2025	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2025	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Mar	Apr	May	Jun	Jul	Aug	Sep
2028	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2028	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2028	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2028	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2028	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2028	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
2028	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2028	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2028	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
2028	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2028	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2028	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2029	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2029	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2029	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2029	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2029	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2029	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
2029	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2029	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2029	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
2029	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2029	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2029	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2030	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2030	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2030	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2030	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2030	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2030	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
2030	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2030	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2030	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595

Kentucky Power Company
 Residential Model Output Data

Year	Month	Mar	Apr	May	Jun	Jul	Aug	Sep
2030	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2030	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2030	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2031	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2031	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2031	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2031	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2031	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2031	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
2031	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2031	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2031	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
2031	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2031	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2031	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2032	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2032	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2032	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2032	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2032	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2032	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
2032	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2032	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2032	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
2032	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2032	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2032	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2033	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2033	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2033	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2033	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2033	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2033	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Mar	Apr	May	Jun	Jul	Aug	Sep
2033	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2033	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2033	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
2033	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2033	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2033	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2034	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2034	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2034	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2034	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2034	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2034	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
2034	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2034	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2034	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
2034	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2034	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2034	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2035	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2035	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2035	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2035	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2035	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2035	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
2035	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2035	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2035	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
2035	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2035	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2035	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2036	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2036	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2036	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Mar	Apr	May	Jun	Jul	Aug	Sep
2039	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2039	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2039	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2039	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2039	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2039	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
2039	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2039	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2039	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
2039	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2039	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2039	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2040	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2040	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2040	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2040	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2040	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2040	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
2040	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2040	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2040	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
2040	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2040	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2040	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2041	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2041	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2041	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2041	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2041	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2041	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
2041	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2041	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2041	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595

Kentucky Power Company
 Residential Model Output Data

Year	Month	Mar	Apr	May	Jun	Jul	Aug	Sep
2041	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2041	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2041	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2042	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2042	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2042	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2042	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2042	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2042	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
2042	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2042	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2042	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
2042	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2042	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2042	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2043	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2043	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2043	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2043	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2043	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2043	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
2043	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2043	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2043	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
2043	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2043	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2043	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2044	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2044	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2044	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2044	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2044	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2044	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Mar	Apr	May	Jun	Jul	Aug	Sep
2044	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2044	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2044	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
2044	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2044	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2044	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2045	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2045	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2045	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2045	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2045	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2045	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
2045	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2045	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2045	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
2045	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2045	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2045	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2046	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2046	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2046	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2046	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2046	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2046	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
2046	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2046	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2046	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
2046	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2046	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2046	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2047	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2047	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2047	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Mar	Apr	May	Jun	Jul	Aug	Sep
2050	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2050	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2050	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2050	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2050	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2050	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
2050	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2050	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2050	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
2050	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2050	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2050	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2051	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2051	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2051	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2051	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2051	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2051	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
2051	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2051	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2051	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595
2051	10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2051	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2051	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2052	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2052	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2052	3	-142,405,434.362	0.000	0.000	0.000	0.000	0.000	0.000
2052	4	0.000	-174,188,268.836	0.000	0.000	0.000	0.000	0.000
2052	5	0.000	0.000	-214,684,102.411	0.000	0.000	0.000	0.000
2052	6	0.000	0.000	0.000	-167,330,976.506	0.000	0.000	0.000
2052	7	0.000	0.000	0.000	0.000	-79,250,430.848	0.000	0.000
2052	8	0.000	0.000	0.000	0.000	0.000	-79,453,118.892	0.000
2052	9	0.000	0.000	0.000	0.000	0.000	0.000	-121,450,485.595

Kentucky Power Company
 Residential Model Output Data

Year	Month	Oct	Nov	7-Feb	Sep-95	Aug-95	Apr15on	Feb-95
2014	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2014	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2014	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2014	7	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2014	8	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2014	9	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2014	10	-211,924,372.074	0.000	0.000	0.000	0.000	0.000	0.000
2014	11	0.000	-181,019,560.385	0.000	0.000	0.000	0.000	0.000
2014	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2015	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2015	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2015	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2015	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2015	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2015	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2015	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2015	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2015	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2015	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2015	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2015	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2016	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2016	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2016	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2016	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2016	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2016	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2016	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2016	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2016	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2016	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2016	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2016	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Oct	Nov	7-Feb	Sep-95	Aug-95	Apr15on	Feb-95
2017	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2017	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2017	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2017	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2017	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2017	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2017	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2017	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2017	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2017	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2017	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2017	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2018	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2018	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2018	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2018	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2018	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2018	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2018	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2018	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2018	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2018	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2018	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2018	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2019	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2019	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2019	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2019	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2019	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2019	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2019	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2019	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2019	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Oct	Nov	7-Feb	Sep-95	Aug-95	Apr15on	Feb-95
2019	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2019	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2019	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2020	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2020	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2020	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2020	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2020	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2020	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2020	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2020	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2020	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2020	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2020	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2020	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2021	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2021	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2021	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2021	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2021	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2021	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2021	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2021	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2021	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2021	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2021	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2021	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2022	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2022	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2022	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2022	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2022	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2022	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Oct	Nov	7-Feb	Sep-95	Aug-95	Apr15on	Feb-95
2022	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2022	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2022	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2022	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2022	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2022	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2023	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2023	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2023	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2023	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2023	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2023	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2023	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2023	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2023	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2023	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2023	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2023	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2024	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2024	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2024	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2024	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2024	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2024	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2024	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2024	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2024	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2024	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2024	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2024	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2025	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2025	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2025	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Oct	Nov	7-Feb	Sep-95	Aug-95	Apr15on	Feb-95
2025	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2025	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2025	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2025	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2025	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2025	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2025	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2025	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2025	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2026	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2026	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2026	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2026	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2026	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2026	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2026	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2026	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2026	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2026	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2026	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2026	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2027	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2027	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2027	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2027	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2027	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2027	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2027	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2027	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2027	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2027	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2027	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2027	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Oct	Nov	7-Feb	Sep-95	Aug-95	Apr15on	Feb-95
2028	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2028	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2028	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2028	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2028	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2028	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2028	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2028	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2028	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2028	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2028	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2028	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2029	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2029	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2029	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2029	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2029	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2029	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2029	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2029	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2029	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2029	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2029	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2029	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2030	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2030	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2030	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2030	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2030	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2030	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2030	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2030	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2030	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Oct	Nov	7-Feb	Sep-95	Aug-95	Apr15on	Feb-95
2030	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2030	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2030	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2031	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2031	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2031	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2031	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2031	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2031	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2031	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2031	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2031	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2031	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2031	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2031	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2032	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2032	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2032	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2032	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2032	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2032	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2032	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2032	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2032	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2032	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2032	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2032	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2033	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2033	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2033	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2033	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2033	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2033	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Oct	Nov	7-Feb	Sep-95	Aug-95	Apr15on	Feb-95
2033	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2033	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2033	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2033	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2033	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2033	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2034	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2034	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2034	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2034	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2034	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2034	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2034	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2034	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2034	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2034	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2034	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2034	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2035	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2035	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2035	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2035	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2035	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2035	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2035	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2035	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2035	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2035	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2035	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2035	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2036	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2036	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2036	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Oct	Nov	7-Feb	Sep-95	Aug-95	Apr15on	Feb-95
2036	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2036	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2036	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2036	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2036	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2036	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2036	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2036	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2036	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2037	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2037	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2037	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2037	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2037	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2037	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2037	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2037	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2037	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2037	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2037	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2037	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2038	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2038	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2038	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2038	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2038	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2038	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2038	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2038	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2038	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2038	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2038	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2038	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Oct	Nov	7-Feb	Sep-95	Aug-95	Apr15on	Feb-95
2039	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2039	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2039	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2039	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2039	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2039	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2039	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2039	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2039	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2039	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2039	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2039	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2040	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2040	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2040	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2040	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2040	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2040	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2040	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2040	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2040	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2040	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2040	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2040	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2041	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2041	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2041	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2041	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2041	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2041	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2041	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2041	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2041	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Oct	Nov	7-Feb	Sep-95	Aug-95	Apr15on	Feb-95
2041	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2041	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2041	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2042	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2042	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2042	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2042	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2042	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2042	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2042	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2042	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2042	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2042	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2042	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2042	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2043	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2043	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2043	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2043	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2043	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2043	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2043	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2043	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2043	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2043	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2043	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2043	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2044	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2044	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2044	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2044	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2044	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2044	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Oct	Nov	7-Feb	Sep-95	Aug-95	Apr15on	Feb-95
2044	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2044	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2044	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2044	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2044	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2044	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2045	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2045	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2045	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2045	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2045	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2045	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2045	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2045	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2045	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2045	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2045	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2045	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2046	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2046	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2046	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2046	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2046	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2046	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2046	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2046	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2046	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2046	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2046	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2046	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2047	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2047	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2047	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Oct	Nov	7-Feb	Sep-95	Aug-95	Apr15on	Feb-95
2047	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2047	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2047	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2047	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2047	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2047	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2047	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2047	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2047	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2048	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2048	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2048	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2048	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2048	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2048	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2048	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2048	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2048	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2048	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2048	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2048	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2049	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2049	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2049	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2049	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2049	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2049	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2049	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2049	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2049	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2049	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2049	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2049	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Oct	Nov	7-Feb	Sep-95	Aug-95	Apr15on	Feb-95
2050	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2050	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2050	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2050	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2050	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2050	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2050	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2050	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2050	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2050	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2050	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2050	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2051	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2051	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2051	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2051	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2051	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2051	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2051	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2051	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2051	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2051	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2051	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2051	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2052	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2052	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2052	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2052	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2052	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2052	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2052	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2052	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2052	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Oct	Nov	7-Feb	Sep-95	Aug-95	Apr15on	Feb-95
2052	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2052	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2052	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2053	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2053	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2053	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2053	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2053	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2053	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2053	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2053	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2053	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2053	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2053	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2053	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2054	1	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2054	2	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2054	3	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2054	4	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2054	5	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2054	6	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2054	7	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2054	8	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2054	9	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2054	10	-211,924,372.074	0.000	0.000	0.000	0.000	-39,977,779.530	0.000
2054	11	0.000	-181,019,560.385	0.000	0.000	0.000	-39,977,779.530	0.000
2054	12	0.000	0.000	0.000	0.000	0.000	-39,977,779.530	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Mar-95	Jan-96	Apr-95	d0610	Nov-95	Mar18on	ARMA
2006	1	0.000	0.000	0.000	39,066,658.001	0.000	0.000	-639,418.548
2006	2	0.000	0.000	0.000	39,066,658.001	0.000	0.000	58,904,014.948
2006	3	0.000	0.000	0.000	39,066,658.001	0.000	0.000	60,924,261.863
2006	4	0.000	0.000	0.000	39,066,658.001	0.000	0.000	-38,278,387.211
2006	5	0.000	0.000	0.000	39,066,658.001	0.000	0.000	-24,816,176.140
2006	6	0.000	0.000	0.000	39,066,658.001	0.000	0.000	-5,975,523.422
2006	7	0.000	0.000	0.000	39,066,658.001	0.000	0.000	-2,768,900.689
2006	8	0.000	0.000	0.000	39,066,658.001	0.000	0.000	-16,472,125.562
2006	9	0.000	0.000	0.000	39,066,658.001	0.000	0.000	-22,578,462.547
2006	10	0.000	0.000	0.000	39,066,658.001	0.000	0.000	-15,390,227.078
2006	11	0.000	0.000	0.000	39,066,658.001	0.000	0.000	-9,970,441.188
2006	12	0.000	0.000	0.000	39,066,658.001	0.000	0.000	-7,339,100.595
2007	1	0.000	0.000	0.000	39,066,658.001	0.000	0.000	43,731,659.284
2007	2	0.000	0.000	0.000	39,066,658.001	0.000	0.000	13,263,415.870
2007	3	0.000	0.000	0.000	39,066,658.001	0.000	0.000	-3,671,321.770
2007	4	0.000	0.000	0.000	39,066,658.001	0.000	0.000	-22,472,788.251
2007	5	0.000	0.000	0.000	39,066,658.001	0.000	0.000	-16,855,090.545
2007	6	0.000	0.000	0.000	39,066,658.001	0.000	0.000	-11,174,403.153
2007	7	0.000	0.000	0.000	39,066,658.001	0.000	0.000	-437,678.095
2007	8	0.000	0.000	0.000	39,066,658.001	0.000	0.000	-32,835,846.280
2007	9	0.000	0.000	0.000	39,066,658.001	0.000	0.000	-22,101,749.427
2007	10	0.000	0.000	0.000	39,066,658.001	0.000	0.000	13,233,952.584
2007	11	0.000	0.000	0.000	39,066,658.001	0.000	0.000	-17,112,875.531
2007	12	0.000	0.000	0.000	39,066,658.001	0.000	0.000	-18,201,495.110
2008	1	0.000	0.000	0.000	39,066,658.001	0.000	0.000	-26,775,118.124
2008	2	0.000	0.000	0.000	39,066,658.001	0.000	0.000	4,549,098.092
2008	3	0.000	0.000	0.000	39,066,658.001	0.000	0.000	14,225,583.541
2008	4	0.000	0.000	0.000	39,066,658.001	0.000	0.000	12,106,513.941
2008	5	0.000	0.000	0.000	39,066,658.001	0.000	0.000	11,217,652.307
2008	6	0.000	0.000	0.000	39,066,658.001	0.000	0.000	-8,402,050.053
2008	7	0.000	0.000	0.000	39,066,658.001	0.000	0.000	-1,727,151.505
2008	8	0.000	0.000	0.000	39,066,658.001	0.000	0.000	-9,979,646.062
2008	9	0.000	0.000	0.000	39,066,658.001	0.000	0.000	-7,183,448.029

Kentucky Power Company
 Residential Model Output Data

Year	Month	Mar-95	Jan-96	Apr-95	d0610	Nov-95	Mar18on	ARMA
2017	1	0.000	0.000	0.000	0.000	0.000	0.000	-23,072,275.676
2017	2	0.000	0.000	0.000	0.000	0.000	0.000	-29,632,751.033
2017	3	0.000	0.000	0.000	0.000	0.000	0.000	-16,124,382.891
2017	4	0.000	0.000	0.000	0.000	0.000	0.000	-1,721,008.106
2017	5	0.000	0.000	0.000	0.000	0.000	0.000	-25,451,398.465
2017	6	0.000	0.000	0.000	0.000	0.000	0.000	-23,006,458.581
2017	7	0.000	0.000	0.000	0.000	0.000	0.000	-15,127,370.055
2017	8	0.000	0.000	0.000	0.000	0.000	0.000	-6,715,111.864
2017	9	0.000	0.000	0.000	0.000	0.000	0.000	8,053,883.105
2017	10	0.000	0.000	0.000	0.000	0.000	0.000	-6,835,462.070
2017	11	0.000	0.000	0.000	0.000	0.000	0.000	-16,456,840.115
2017	12	0.000	0.000	0.000	0.000	0.000	0.000	-30,205,850.347
2018	1	0.000	0.000	0.000	0.000	0.000	0.000	-18,177,666.384
2018	2	0.000	0.000	0.000	0.000	0.000	0.000	34,652,484.609
2018	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	41,933,257.067
2018	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-3,772,425.603
2018	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	25,069,529.268
2018	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	12,084,033.653
2018	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	24,179,244.238
2018	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	29,298,075.137
2018	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	13,099,803.916
2018	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	21,395,473.333
2018	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	11,826,536.486
2018	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-8,199,354.114
2019	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-13,021,923.593
2019	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-11,094,159.566
2019	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-5,516,107.122
2019	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-2,742,653.700
2019	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-1,363,669.913
2019	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-678,027.864
2019	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-337,121.015
2019	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-167,619.333
2019	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-83,341.707

Kentucky Power Company
 Residential Model Output Data

Year	Month	Mar-95	Jan-96	Apr-95	d0610	Nov-95	Mar18on	ARMA
2019	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-41,438.180
2019	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-20,603.403
2019	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-10,244.181
2020	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-5,093.491
2020	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-2,532.525
2020	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-1,259.192
2020	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-626.081
2020	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-311.293
2020	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-154.777
2020	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-76.956
2020	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-38.263
2020	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-19.025
2020	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-9.459
2020	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-4.703
2020	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-2.338
2021	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-1.163
2021	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.578
2021	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.287
2021	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.143
2021	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.071
2021	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.035
2021	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.018
2021	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.009
2021	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.004
2021	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.002
2021	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.001
2021	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.001
2022	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2022	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2022	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2022	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2022	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2022	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Mar-95	Jan-96	Apr-95	d0610	Nov-95	Mar18on	ARMA
2022	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2022	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2022	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2022	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2022	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2022	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2023	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2023	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2023	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2023	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2023	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2023	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2023	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2023	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2023	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2023	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2023	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2023	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2024	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2024	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2024	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2024	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2024	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2024	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2024	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2024	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2024	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2024	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2024	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2024	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2025	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2025	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2025	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Mar-95	Jan-96	Apr-95	d0610	Nov-95	Mar18on	ARMA
2025	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2025	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2025	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2025	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2025	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2025	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2025	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2025	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2025	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2026	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2026	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2026	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2026	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2026	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2026	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2026	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2026	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2026	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2026	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2026	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2026	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2027	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2027	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2027	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2027	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2027	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2027	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2027	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2027	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2027	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2027	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2027	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2027	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Mar-95	Jan-96	Apr-95	d0610	Nov-95	Mar18on	ARMA
2028	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2028	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2028	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2028	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2028	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2028	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2028	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2028	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2028	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2028	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2028	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2028	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2029	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2029	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2029	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2029	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2029	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2029	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2029	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2029	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2029	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2029	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2029	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2029	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2030	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2030	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2030	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2030	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2030	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2030	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2030	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2030	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2030	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Mar-95	Jan-96	Apr-95	d0610	Nov-95	Mar18on	ARMA
2030	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2030	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2030	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2031	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2031	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2031	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2031	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2031	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2031	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2031	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2031	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2031	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2031	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2031	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2031	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2032	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2032	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2032	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2032	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2032	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2032	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2032	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2032	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2032	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2032	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2032	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2032	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2033	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2033	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2033	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2033	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2033	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2033	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Mar-95	Jan-96	Apr-95	d0610	Nov-95	Mar18on	ARMA
2033	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2033	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2033	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2033	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2033	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2033	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2034	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2034	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2034	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2034	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2034	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2034	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2034	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2034	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2034	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2034	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2034	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2034	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2035	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2035	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2035	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2035	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2035	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2035	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2035	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2035	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2035	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2035	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2035	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2035	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2036	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2036	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2036	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Mar-95	Jan-96	Apr-95	d0610	Nov-95	Mar18on	ARMA
2036	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2036	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2036	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2036	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2036	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2036	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2036	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2036	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2036	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2037	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2037	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2037	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2037	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2037	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2037	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2037	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2037	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2037	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2037	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2037	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2037	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2038	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2038	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2038	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2038	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2038	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2038	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2038	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2038	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2038	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2038	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2038	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2038	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Mar-95	Jan-96	Apr-95	d0610	Nov-95	Mar18on	ARMA
2039	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2039	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2039	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2039	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2039	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2039	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2039	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2039	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2039	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2039	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2039	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2039	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2040	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2040	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2040	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2040	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2040	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2040	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2040	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2040	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2040	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2040	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2040	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2040	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2041	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2041	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2041	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2041	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2041	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2041	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2041	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2041	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2041	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Mar-95	Jan-96	Apr-95	d0610	Nov-95	Mar18on	ARMA
2041	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2041	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2041	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2042	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2042	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2042	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2042	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2042	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2042	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2042	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2042	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2042	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2042	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2042	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2042	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2043	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2043	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2043	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2043	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2043	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2043	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2043	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2043	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2043	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2043	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2043	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2043	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2044	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2044	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2044	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2044	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2044	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2044	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Mar-95	Jan-96	Apr-95	d0610	Nov-95	Mar18on	ARMA
2044	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2044	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2044	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2044	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2044	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2044	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2045	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2045	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2045	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2045	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2045	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2045	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2045	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2045	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2045	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2045	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2045	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2045	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2046	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2046	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2046	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2046	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2046	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2046	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2046	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2046	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2046	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2046	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2046	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2046	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2047	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2047	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2047	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Mar-95	Jan-96	Apr-95	d0610	Nov-95	Mar18on	ARMA
2047	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2047	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2047	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2047	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2047	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2047	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2047	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2047	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2047	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2048	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2048	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2048	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2048	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2048	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2048	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2048	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2048	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2048	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2048	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2048	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2048	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2049	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2049	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2049	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2049	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2049	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2049	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2049	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2049	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2049	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2049	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2049	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2049	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Mar-95	Jan-96	Apr-95	d0610	Nov-95	Mar18on	ARMA
2050	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2050	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2050	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2050	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2050	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2050	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2050	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2050	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2050	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2050	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2050	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2050	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2051	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2051	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2051	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2051	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2051	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2051	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2051	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2051	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2051	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2051	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2051	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2051	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2052	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2052	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2052	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2052	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2052	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2052	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2052	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2052	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2052	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	Mar-95	Jan-96	Apr-95	d0610	Nov-95	Mar18on	ARMA
2052	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2052	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2052	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2053	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2053	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2053	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2053	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2053	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2053	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2053	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2053	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2053	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2053	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2053	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2053	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2054	1	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2054	2	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2054	3	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2054	4	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2054	5	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2054	6	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2054	7	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2054	8	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2054	9	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000
2054	10	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2054	11	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	-0.000
2054	12	0.000	0.000	0.000	0.000	0.000	-32,950,377.501	0.000

Kentucky Power Company
 Residential Model Output Data

Year	Month	X-Missing	Lighting Share	Lighting Use	Heating Use	Cooling Use	Lighting Use	Other Use
1995	1	0.000	0.205008773					
1995	2	0.000	0.205008773	154,337,550.5	841,014,523.6	0.0	154,337,550.5	598,496,332.3
1995	3	0.000	0.205008773	138,321,672.0	574,998,660.6	0.0	138,321,672.0	536,389,317.4
1995	4	0.000	0.205008773	151,679,042.4	211,477,673.3	6,691,132.8	151,679,042.4	588,187,063.2
1995	5	0.000	0.205008773	160,385,624.4	75,695,943.1	27,148,359.2	160,385,624.4	621,949,795.3
1995	6	0.000	0.205008773	173,279,180.8	4,844,547.5	122,194,400.4	173,279,180.8	671,948,944.5
1995	7	0.000	0.205008773	184,398,468.4	0.0	290,513,278.8	184,398,468.4	715,067,763.3
1995	8	0.000	0.205008773	220,952,287.1	0.0	453,110,138.8	220,952,287.1	856,817,624.6
1995	9	0.000	0.205008773	113,417,428.4	602,798.3	356,253,768.9	113,417,428.4	439,814,644.5
1995	10	0.000	0.205008773	164,462,443.3	15,985,706.5	65,810,571.8	164,462,443.3	637,759,046.8
1995	11	0.000	0.205008773	232,915,318.1	241,593,441.2	6,114,862.2	232,915,318.1	903,208,345.3
1995	12	0.000	0.205008773	233,967,386.0	594,834,826.5	416,828.5	233,967,386.0	907,288,096.4
1996	1	0.000	0.208344211	234,782,578.3	945,814,610.4	0.0	234,782,578.3	892,114,958.5
1996	2	0.000	0.208344211	210,468,168.5	942,816,348.9	0.0	210,468,168.5	799,726,294.7
1996	3	0.000	0.208344211	189,613,076.9	646,992,736.4	0.0	189,613,076.9	720,482,173.3
1996	4	0.000	0.208344211	176,619,936.6	447,040,722.5	8,022,581.5	176,619,936.6	671,111,496.2
1996	5	0.000	0.208344211	168,474,120.2	97,599,766.1	80,078,556.7	168,474,120.2	640,159,435.4
1996	6	0.000	0.208344211	174,233,696.4	13,422,946.4	172,362,615.7	174,233,696.4	662,044,381.5
1996	7	0.000	0.208344211	184,254,490.6	0.0	330,346,977.1	184,254,490.6	700,120,888.2
1996	8	0.000	0.208344211	179,096,431.3	0.0	303,560,612.1	179,096,431.3	680,521,555.4
1996	9	0.000	0.208344211	175,802,950.5	0.0	262,730,450.0	175,802,950.5	668,007,153.9
1996	10	0.000	0.208344211	160,972,547.4	29,795,832.4	48,146,742.5	160,972,547.4	611,655,338.8
1996	11	0.000	0.208344211	173,958,659.5	242,961,216.9	6,824,265.5	173,958,659.5	660,999,310.4
1996	12	0.000	0.208344211	225,276,443.0	612,399,033.3	1,630,339.9	225,276,443.0	855,994,026.8
1997	1	0.000	0.210885921	252,845,285.4	686,413,226.5	865,545.0	252,845,285.4	946,121,834.1
1997	2	0.000	0.210885921	194,172,469.3	832,713,339.6	717,478.0	194,172,469.3	726,574,009.6
1997	3	0.000	0.210885921	176,648,731.2	457,933,114.0	3,053,516.7	176,648,731.2	661,001,929.9
1997	4	0.000	0.210885921	174,810,041.0	292,304,396.5	6,975,280.0	174,810,041.0	654,121,734.4
1997	5	0.000	0.210885921	169,731,097.9	134,367,316.6	8,021,568.1	169,731,097.9	635,116,836.1
1997	6	0.000	0.210885921	181,884,910.4	20,283,099.4	59,128,730.0	181,884,910.4	680,595,189.9
1997	7	0.000	0.210885921	188,919,834.9	0.0	278,727,508.4	188,919,834.9	706,919,175.5
1997	8	0.000	0.210885921	185,506,782.9	0.0	343,216,411.6	185,506,782.9	694,147,875.6
1997	9	0.000	0.210885921	182,040,986.3	0.0	186,035,635.1	182,040,986.3	681,179,210.4

Kentucky Power Company
 Residential Model Output Data

Year	Month	X-Missing	Lighting Share	Lighting Use	Heating Use	Cooling Use	Lighting Use	Other Use
1997	10	0.000	0.210885921	165,726,970.0	21,588,636.5	58,465,303.6	165,726,970.0	620,133,789.0
1997	11	0.000	0.210885921	171,275,995.1	294,360,089.8	16,595,502.9	171,275,995.1	640,897,687.2
1997	12	0.000	0.210885921	229,393,655.1	589,709,022.5	0.0	229,393,655.1	858,368,173.1
1998	1	0.000	0.213034808	269,830,929.6	639,456,052.8	0.0	269,830,929.6	996,773,962.4
1998	2	0.000	0.213034808	195,635,697.2	675,860,780.3	0.0	195,635,697.2	722,691,684.5
1998	3	0.000	0.213034808	180,604,511.7	541,383,213.3	38,639.9	180,604,511.7	667,165,454.4
1998	4	0.000	0.213034808	177,419,701.0	316,068,353.3	49,014,575.4	177,419,701.0	655,400,545.2
1998	5	0.000	0.213034808	162,894,659.2	47,222,621.3	27,418,848.8	162,894,659.2	601,744,044.7
1998	6	0.000	0.213034808	186,865,161.2	1,046,537.6	157,480,690.1	186,865,161.2	690,292,723.0
1998	7	0.000	0.213034808	194,037,735.7	455,649.1	337,787,257.5	194,037,735.7	716,788,705.2
1998	8	0.000	0.213034808	189,353,111.6	0.0	349,792,861.9	189,353,111.6	699,483,382.4
1998	9	0.000	0.213034808	188,206,786.0	0.0	339,984,633.4	188,206,786.0	695,248,777.0
1998	10	0.000	0.213034808	168,971,623.1	8,789,035.4	207,395,281.4	168,971,623.1	624,192,765.8
1998	11	0.000	0.213034808	177,320,521.4	178,981,146.2	15,396,129.5	177,320,521.4	655,034,169.1
1998	12	0.000	0.213034808	237,078,749.6	339,391,973.4	3,239,930.8	237,078,749.6	875,785,162.9
1999	1	0.000	0.214072668	269,391,422.7	889,069,861.7	1,423,057.9	269,391,422.7	989,019,679.6
1999	2	0.000	0.214072668	189,866,666.2	618,984,996.0	0.0	189,866,666.2	697,059,570.3
1999	3	0.000	0.214072668	179,190,547.8	740,171,658.1	0.0	179,190,547.8	657,864,219.9
1999	4	0.000	0.214072668	175,822,426.4	382,900,629.1	11,390,740.2	175,822,426.4	645,498,799.0
1999	5	0.000	0.214072668	167,950,635.3	45,999,435.9	38,471,372.6	167,950,635.3	616,599,006.2
1999	6	0.000	0.214072668	181,025,414.7	0.0	179,017,608.7	181,025,414.7	664,600,587.0
1999	7	0.000	0.214072668	190,963,413.0	0.0	417,685,395.1	190,963,413.0	701,086,068.9
1999	8	0.000	0.214072668	185,027,968.0	0.0	519,113,755.9	185,027,968.0	679,295,204.7
1999	9	0.000	0.214072668	186,273,945.0	187,585.0	264,042,868.1	186,273,945.0	683,869,573.6
1999	10	0.000	0.214072668	168,965,481.3	20,852,982.3	54,852,991.4	168,965,481.3	620,324,821.3
1999	11	0.000	0.214072668	182,947,160.1	172,630,050.2	3,051,051.8	182,947,160.1	671,655,911.8
1999	12	0.000	0.214072668	239,656,359.3	430,503,996.9	0.0	239,656,359.3	879,853,015.8
2000	1	0.000	0.215333042	266,562,966.2	797,075,173.4	0.0	266,562,966.2	971,347,220.9
2000	2	0.000	0.215333042	194,103,077.5	1,058,999,812.2	0.0	194,103,077.5	707,305,623.1
2000	3	0.000	0.215333042	182,605,520.5	410,032,518.0	2,498,773.5	182,605,520.5	665,408,880.3
2000	4	0.000	0.215333042	186,745,412.2	226,271,887.6	5,801,700.8	186,745,412.2	680,494,518.1
2000	5	0.000	0.215333042	171,479,647.5	84,397,451.3	63,294,294.5	171,479,647.5	624,866,542.4
2000	6	0.000	0.215333042	189,932,435.4	191,513.6	175,983,377.3	189,932,435.4	692,107,932.1

Kentucky Power Company
 Residential Model Output Data

Year	Month	X-Missing	Lighting Share	Lighting Use	Heating Use	Cooling Use	Lighting Use	Other Use
2000	7	0.000	0.215333042	201,004,282.4	0.0	323,552,661.5	201,004,282.4	732,453,400.8
2000	8	0.000	0.215333042	192,147,172.3	0.0	284,908,522.4	192,147,172.3	700,178,364.8
2000	9	0.000	0.215333042	192,436,027.1	978,353.2	248,659,563.0	192,436,027.1	701,230,942.8
2000	10	0.000	0.215333042	175,429,242.4	54,266,957.1	86,290,775.2	175,429,242.4	639,258,744.5
2000	11	0.000	0.215333042	187,529,112.4	185,471,889.2	11,947,100.8	187,529,112.4	683,350,297.4
2000	12	0.000	0.215333042	237,623,775.1	819,092,822.8	0.0	237,623,775.1	865,893,701.8
2001	1	0.000	0.215987556	264,728,226.5	1,230,209,203.3	0.0	264,728,226.5	960,936,025.0
2001	2	0.000	0.215987556	205,764,148.1	960,702,544.9	0.0	205,764,148.1	746,902,531.7
2001	3	0.000	0.215987556	183,648,746.8	667,723,647.5	0.0	183,648,746.8	666,625,917.2
2001	4	0.000	0.215987556	183,138,551.0	456,534,167.9	47,806,014.9	183,138,551.0	664,773,959.4
2001	5	0.000	0.215987556	171,031,562.5	70,048,874.8	106,675,140.3	171,031,562.5	620,826,845.9
2001	6	0.000	0.215987556	187,676,116.2	4,155,736.5	115,075,814.8	187,676,116.2	681,244,850.6
2001	7	0.000	0.215987556	201,364,605.6	0.0	287,238,808.1	201,364,605.6	730,932,648.4
2001	8	0.000	0.215987556	194,508,956.9	0.0	416,857,722.7	194,508,956.9	706,047,354.1
2001	9	0.000	0.215987556	191,857,104.6	199,723.3	326,993,981.0	191,857,104.6	696,421,405.3
2001	10	0.000	0.215987556	176,193,778.3	41,114,404.1	79,457,409.9	176,193,778.3	639,565,154.1
2001	11	0.000	0.215987556	190,790,437.3	197,295,476.0	23,393,704.4	190,790,437.3	692,549,513.3
2001	12	0.000	0.215987556	249,864,219.6	256,357,816.4	738,840.9	249,864,219.6	906,981,220.6
2002	1	0.000	0.217304575	281,923,945.7	870,321,941.1	0.0	281,923,945.7	1,015,443,794.1
2002	2	0.000	0.217304575	206,333,052.7	717,478,946.0	0.0	206,333,052.7	743,177,800.5
2002	3	0.000	0.217304575	197,231,238.9	640,813,079.7	1,479,121.7	197,231,238.9	710,394,560.6
2002	4	0.000	0.217304575	197,386,884.7	342,273,614.7	22,504,948.0	197,386,884.7	710,955,171.4
2002	5	0.000	0.217304575	184,918,571.4	90,809,926.0	63,987,504.4	184,918,571.4	666,046,352.4
2002	6	0.000	0.217304575	188,608,213.7	52,582,000.6	168,811,925.3	188,608,213.7	679,335,838.6
2002	7	0.000	0.217304575	205,666,642.3	0.0	386,036,239.7	205,666,642.3	740,777,499.7
2002	8	0.000	0.217304575	204,031,817.9	0.0	492,190,977.2	204,031,817.9	734,889,130.4
2002	9	0.000	0.217304575	199,652,991.4	0.0	432,947,482.6	199,652,991.4	719,117,316.0
2002	10	0.000	0.217304575	175,673,844.4	19,621,201.2	174,832,932.1	175,673,844.4	632,748,362.9
2002	11	0.000	0.217304575	188,745,011.9	241,965,442.9	17,409,850.6	188,745,011.9	679,828,563.5
2002	12	0.000	0.217304575	245,906,592.2	727,516,909.4	2,304,944.3	245,906,592.2	885,715,196.4
2003	1	0.000	0.215174319	275,259,170.2	873,000,399.1	0.0	275,259,170.2	1,003,978,850.2
2003	2	0.000	0.215174319	217,467,369.9	1,211,496,353.0	0.0	217,467,369.9	793,189,341.7
2003	3	0.000	0.215174319	188,421,229.4	816,606,569.7	0.0	188,421,229.4	687,246,601.6

Kentucky Power Company
 Residential Model Output Data

Year	Month	X-Missing	Lighting Share	Lighting Use	Heating Use	Cooling Use	Lighting Use	Other Use
2003	4	0.000	0.215174319	188,426,603.9	214,948,100.0	19,171,590.1	188,426,603.9	687,266,204.4
2003	5	0.000	0.215174319	181,593,266.6	46,532,423.5	47,800,949.2	181,593,266.6	662,342,325.7
2003	6	0.000	0.215174319	192,157,091.4	0.0	64,861,006.6	192,157,091.4	700,872,764.9
2003	7	0.000	0.215174319	204,358,717.2	0.0	272,306,148.7	204,358,717.2	745,376,910.5
2003	8	0.000	0.215174319	197,925,950.4	0.0	325,651,363.8	197,925,950.4	721,914,070.9
2003	9	0.000	0.215174319	198,280,119.9	0.0	312,339,392.7	198,280,119.9	723,205,867.0
2003	10	0.000	0.215174319	182,922,426.0	54,001,427.0	45,294,924.8	182,922,426.0	667,190,294.9
2003	11	0.000	0.215174319	192,452,175.4	149,106,250.4	10,666,590.1	192,452,175.4	701,949,052.7
2003	12	0.000	0.215174319	247,910,042.0	525,921,536.5	1,217,202.2	247,910,042.0	904,225,783.8
2004	1	0.000	0.213022357	282,581,350.4	854,432,011.2	957,541.1	282,581,350.4	1,043,952,419.8
2004	2	0.000	0.213022357	222,091,065.6	1,108,672,831.0	321,049.5	222,091,065.6	820,480,562.3
2004	3	0.000	0.213022357	199,917,589.7	640,690,126.8	2,877,866.9	199,917,589.7	738,564,138.0
2004	4	0.000	0.213022357	195,439,704.7	353,030,940.2	15,907,185.3	195,439,704.7	722,021,295.2
2004	5	0.000	0.213022357	179,831,934.5	86,552,778.0	87,738,904.9	179,831,934.5	664,360,839.4
2004	6	0.000	0.213022357	191,724,163.6	6,022,586.4	241,524,254.8	191,724,163.6	708,294,812.2
2004	7	0.000	0.213022357	205,341,920.1	0.0	308,408,526.8	205,341,920.1	758,603,474.9
2004	8	0.000	0.213022357	201,671,143.0	0.0	305,520,475.6	201,671,143.0	745,042,365.2
2004	9	0.000	0.213022357	192,667,727.8	0.0	267,936,823.4	192,667,727.8	711,780,661.7
2004	10	0.000	0.213022357	177,634,561.4	14,791,751.2	79,656,936.6	177,634,561.4	656,242,989.5
2004	11	0.000	0.213022357	192,132,774.5	94,386,815.9	15,770,582.0	192,132,774.5	709,804,360.9
2004	12	0.000	0.213022357	246,894,835.3	436,646,108.0	2,297,603.3	246,894,835.3	912,114,194.0
2005	1	0.000	0.210974688	278,187,387.0	739,545,798.1	0.0	278,187,387.0	1,040,394,425.6
2005	2	0.000	0.210974688	216,888,714.5	903,963,758.0	0.0	216,888,714.5	811,143,207.9
2005	3	0.000	0.210974688	203,541,332.0	764,920,356.1	0.0	203,541,332.0	761,225,264.1
2005	4	0.000	0.210974688	199,702,958.4	353,319,535.0	7,118,010.7	199,702,958.4	746,870,111.4
2005	5	0.000	0.210974688	180,523,406.7	101,310,544.0	26,058,046.9	180,523,406.7	675,140,408.2
2005	6	0.000	0.210974688	196,171,748.6	13,979,295.6	153,565,743.5	196,171,748.6	733,663,721.9
2005	7	0.000	0.210974688	203,060,021.0	0.0	436,106,200.2	203,060,021.0	759,425,206.7
2005	8	0.000	0.210974688	193,537,487.3	0.0	556,751,908.5	193,537,487.3	723,811,834.5
2005	9	0.000	0.210974688	191,974,025.8	0.0	418,955,998.2	191,974,025.8	717,964,636.7
2005	10	0.000	0.210974688	176,323,630.7	8,655,910.0	192,418,204.2	176,323,630.7	659,433,644.4
2005	11	0.000	0.210974688	188,835,662.7	219,333,894.1	12,168,634.3	188,835,662.7	706,227,456.7
2005	12	0.000	0.210974688	242,148,840.3	746,227,310.9	1,795,821.5	242,148,840.3	905,613,681.0

Kentucky Power Company
 Residential Model Output Data

Year	Month	X-Missing	Lighting Share	Lighting Use	Heating Use	Cooling Use	Lighting Use	Other Use
2006	1	0.000	0.203979965	273,546,500.5	747,568,600.7	0.0	273,546,500.5	1,067,499,419.4
2006	2	0.000	0.203979965	225,395,590.4	636,218,861.6	0.0	225,395,590.4	879,593,273.7
2006	3	0.000	0.203979965	211,364,454.0	726,870,958.6	1,665,396.3	211,364,454.0	824,837,574.2
2006	4	0.000	0.203979965	180,116,118.6	371,242,256.7	19,797,142.4	180,116,118.6	702,892,750.4
2006	5	0.000	0.203979965	176,229,047.3	30,243,095.7	33,160,737.1	176,229,047.3	687,723,679.2
2006	6	0.000	0.203979965	189,045,108.2	5,805,196.3	124,783,525.4	189,045,108.2	737,737,616.4
2006	7	0.000	0.203979965	202,705,957.9	0.0	307,882,866.4	202,705,957.9	791,048,293.5
2006	8	0.000	0.203979965	196,069,263.2	0.0	491,893,690.8	196,069,263.2	765,148,975.5
2006	9	0.000	0.203979965	193,692,599.8	1,397,185.8	312,492,713.7	193,692,599.8	755,874,184.0
2006	10	0.000	0.203979965	178,361,707.4	57,606,859.5	43,885,734.5	178,361,707.4	696,046,262.0
2006	11	0.000	0.203979965	186,880,405.4	317,677,574.7	3,029,662.4	186,880,405.4	729,289,988.6
2006	12	0.000	0.203979965	239,883,012.1	500,507,687.8	3,163,896.3	239,883,012.1	936,129,600.2
2007	1	0.000	0.197121037	270,585,817.3	538,427,513.9	346,539.9	270,585,817.3	1,102,102,866.7
2007	2	0.000	0.197121037	226,500,315.9	1,086,258,545.4	0.0	226,500,315.9	922,541,506.2
2007	3	0.000	0.197121037	191,164,968.7	914,921,414.0	2,658,868.5	191,164,968.7	778,619,744.5
2007	4	0.000	0.197121037	183,764,319.0	315,505,203.1	34,583,317.8	183,764,319.0	748,476,711.6
2007	5	0.000	0.197121037	171,629,036.1	119,734,831.5	60,306,048.4	171,629,036.1	699,049,397.7
2007	6	0.000	0.197121037	181,018,075.6	4,902,148.7	212,406,356.4	181,018,075.6	737,291,192.7
2007	7	0.000	0.197121037	195,191,027.5	0.0	346,751,277.0	195,191,027.5	795,017,983.8
2007	8	0.000	0.197121037	186,945,720.7	0.0	407,624,204.1	186,945,720.7	761,434,641.1
2007	9	0.000	0.197121037	186,587,463.6	0.0	450,332,888.3	186,587,463.6	759,975,450.8
2007	10	0.000	0.197121037	176,827,206.2	10,121,701.1	209,231,357.0	176,827,206.2	720,221,676.0
2007	11	0.000	0.197121037	182,535,278.2	198,220,461.7	35,573,712.4	182,535,278.2	743,470,797.2
2007	12	0.000	0.197121037	230,126,624.7	558,381,769.7	0.0	230,126,624.7	937,311,553.4
2008	1	0.000	0.190697507	248,930,149.6	773,621,339.5	0.0	248,930,149.6	1,056,436,411.8
2008	2	0.000	0.190697507	198,446,507.4	941,914,547.5	0.0	198,446,507.4	842,188,527.9
2008	3	0.000	0.190697507	188,814,492.6	804,816,019.6	0.0	188,814,492.6	801,311,152.7
2008	4	0.000	0.190697507	184,208,573.5	363,043,077.5	1,708,741.7	184,208,573.5	781,764,059.9
2008	5	0.000	0.190697507	169,036,020.4	80,678,603.1	22,284,651.1	169,036,020.4	717,373,155.1
2008	6	0.000	0.190697507	176,265,855.5	5,468,908.6	131,253,933.8	176,265,855.5	748,055,903.3
2008	7	0.000	0.190697507	189,112,280.6	0.0	271,862,913.3	189,112,280.6	802,574,937.0
2008	8	0.000	0.190697507	185,876,040.1	0.0	331,888,927.5	185,876,040.1	788,840,633.3
2008	9	0.000	0.190697507	183,218,256.5	0.0	310,428,878.7	183,218,256.5	777,561,246.8

Kentucky Power Company
 Residential Model Output Data

Year	Month	X-Missing	Lighting Share	Lighting Use	Heating Use	Cooling Use	Lighting Use	Other Use
2008	10	0.000	0.190697507	162,962,441.9	13,099,565.4	118,482,751.2	162,962,441.9	691,597,452.8
2008	11	0.000	0.190697507	174,166,302.8	257,545,759.9	7,663,895.8	174,166,302.8	739,145,596.9
2008	12	0.000	0.190697507	225,599,245.7	835,799,598.1	0.0	225,599,245.7	957,422,224.8
2009	1	0.000	0.185623591	246,175,347.2	919,043,454.6	0.0	246,175,347.2	1,080,031,876.4
2009	2	0.000	0.185623591	192,859,045.3	1,123,490,975.1	0.0	192,859,045.3	846,120,129.0
2009	3	0.000	0.185623591	184,413,940.1	726,307,178.4	4,848,687.7	184,413,940.1	809,069,372.5
2009	4	0.000	0.185623591	174,717,029.7	278,142,133.9	3,661,383.5	174,717,029.7	766,526,638.6
2009	5	0.000	0.185623591	168,332,890.8	72,032,138.4	70,270,652.5	168,332,890.8	738,517,848.9
2009	6	0.000	0.185623591	170,264,893.4	6,945,704.5	140,821,408.7	170,264,893.4	746,994,020.0
2009	7	0.000	0.185623591	181,765,996.6	0.0	241,110,291.9	181,765,996.6	797,452,192.6
2009	8	0.000	0.185623591	179,373,999.1	0.0	250,033,229.5	179,373,999.1	786,957,910.3
2009	9	0.000	0.185623591	174,067,601.5	0.0	241,098,828.7	174,067,601.5	763,677,437.1
2009	10	0.000	0.185623591	162,631,785.1	50,638,196.4	86,252,284.4	162,631,785.1	713,505,694.4
2009	11	0.000	0.185623591	169,647,466.2	201,771,194.9	3,550,111.1	169,647,466.2	744,285,215.1
2009	12	0.000	0.185623591	222,092,832.0	532,578,338.0	230,071.2	222,092,832.0	974,375,951.1
2010	1	0.000	0.16211423	208,912,924.4	1,094,677,777.6	0.0	208,912,924.4	1,079,764,350.1
2010	2	0.000	0.16211423	166,367,280.3	1,081,923,095.6	0.0	166,367,280.3	859,867,616.1
2010	3	0.000	0.16211423	158,824,392.6	894,125,375.6	0.0	158,824,392.6	820,882,276.9
2010	4	0.000	0.16211423	159,030,411.0	208,512,585.3	27,850,221.4	159,030,411.0	821,947,080.7
2010	5	0.000	0.16211423	144,254,948.8	54,097,556.8	43,692,126.4	144,254,948.8	745,580,253.1
2010	6	0.000	0.16211423	148,302,901.1	8,746,496.7	212,542,187.0	148,302,901.1	766,502,053.4
2010	7	0.000	0.16211423	161,757,699.1	0.0	377,938,923.2	161,757,699.1	836,043,042.1
2010	8	0.000	0.16211423	162,712,461.7	0.0	441,060,358.5	162,712,461.7	840,977,722.5
2010	9	0.000	0.16211423	160,228,253.0	0.0	313,977,781.0	160,228,253.0	828,138,115.1
2010	10	0.000	0.16211423	143,434,901.7	16,957,443.1	117,110,780.5	143,434,901.7	741,341,847.6
2010	11	0.000	0.16211423	146,828,424.1	180,434,978.7	11,273,759.5	146,828,424.1	758,881,234.1
2010	12	0.000	0.16211423	189,266,663.4	735,388,178.5	0.0	189,266,663.4	978,222,847.2
2011	1	0.000	0.153842258	195,612,534.9	1,179,867,940.5	0.0	195,612,534.9	1,075,901,137.8
2011	2	0.000	0.153842258	160,216,906.1	1,074,447,700.2	0.0	160,216,906.1	881,219,353.9
2011	3	0.000	0.153842258	140,583,110.5	562,643,168.4	1,781,998.5	140,583,110.5	773,230,246.4
2011	4	0.000	0.153842258	136,240,851.9	359,487,579.9	17,100,573.1	136,240,851.9	749,347,109.3
2011	5	0.000	0.153842258	129,116,801.2	69,472,837.6	51,234,077.5	129,116,801.2	710,163,658.1
2011	6	0.000	0.153842258	135,038,630.7	22,296,128.6	191,322,849.7	135,038,630.7	742,734,694.9

Kentucky Power Company
 Residential Model Output Data

Year	Month	X-Missing	Lighting Share	Lighting Use	Heating Use	Cooling Use	Lighting Use	Other Use
2011	7	0.000	0.153842258	150,138,235.0	0.0	299,942,403.0	150,138,235.0	825,785,003.7
2011	8	0.000	0.153842258	145,816,153.8	0.0	444,698,026.6	145,816,153.8	802,012,845.7
2011	9	0.000	0.153842258	145,670,701.5	248,518.6	265,883,761.5	145,670,701.5	801,212,834.6
2011	10	0.000	0.153842258	129,671,763.8	43,666,650.4	47,347,127.8	129,671,763.8	713,216,043.8
2011	11	0.000	0.153842258	133,949,449.7	217,919,509.4	1,093,764.8	133,949,449.7	736,744,020.4
2011	12	0.000	0.153842258	176,123,462.8	398,209,958.1	1,641,463.2	176,123,462.8	968,708,034.0
2012	1	0.000	0.150272062	192,734,241.6	694,443,686.5	0.0	192,734,241.6	1,089,834,448.8
2012	2	0.000	0.150272062	147,522,228.9	725,624,451.5	0.0	147,522,228.9	834,178,741.0
2012	3	0.000	0.150272062	139,153,070.0	519,841,292.0	9,779,904.6	139,153,070.0	786,854,521.3
2012	4	0.000	0.150272062	131,449,162.6	109,595,388.9	40,818,321.5	131,449,162.6	743,292,030.0
2012	5	0.000	0.150272062	121,717,389.0	74,533,530.6	59,444,960.3	121,717,389.0	688,262,772.7
2012	6	0.000	0.150272062	133,986,961.5	376,133.0	175,359,993.0	133,986,961.5	757,642,259.9
2012	7	0.000	0.150272062	147,138,231.2	0.0	392,222,007.2	147,138,231.2	832,007,389.1
2012	8	0.000	0.150272062	141,406,522.5	0.0	384,778,388.4	141,406,522.5	799,596,886.6
2012	9	0.000	0.150272062	140,247,448.7	895,364.2	270,278,678.7	140,247,448.7	793,042,791.3
2012	10	0.000	0.150272062	125,166,923.4	59,125,397.5	64,714,419.8	125,166,923.4	707,768,499.7
2012	11	0.000	0.150272062	131,149,223.0	308,614,243.1	8,344,324.6	131,149,223.0	741,595,992.8
2012	12	0.000	0.150272062	168,953,191.5	504,229,789.9	0.0	168,953,191.5	955,362,196.3
2013	1	0.000	0.136284001	174,607,232.6	787,129,874.4	0.0	174,607,232.6	1,106,594,022.3
2013	2	0.000	0.136284001	128,197,134.8	910,254,337.8	0.0	128,197,134.8	812,464,528.9
2013	3	0.000	0.136284001	126,571,123.8	793,564,195.7	0.0	126,571,123.8	802,159,491.8
2013	4	0.000	0.136284001	125,642,154.4	513,914,364.3	18,951,238.9	125,642,154.4	796,272,038.0
2013	5	0.000	0.136284001	115,911,603.4	62,211,531.8	50,938,687.0	115,911,603.4	734,603,518.5
2013	6	0.000	0.136284001	119,714,212.0	10,884,114.4	186,785,739.3	119,714,212.0	758,703,000.9
2013	7	0.000	0.136284001	127,797,289.0	0.0	325,707,290.5	127,797,289.0	809,930,458.9
2013	8	0.000	0.136284001	125,873,842.3	0.0	305,096,550.2	125,873,842.3	797,740,387.6
2013	9	0.000	0.136284001	123,518,187.2	0.0	264,341,807.8	123,518,187.2	782,811,144.6
2013	10	0.000	0.136284001	112,105,108.9	15,160,770.1	104,264,068.0	112,105,108.9	710,479,408.7
2013	11	0.000	0.136284001	116,741,059.0	255,482,278.6	15,064,946.7	116,741,059.0	739,860,291.7
2013	12	0.000	0.136284001	152,458,659.1	690,104,903.2	447,638.9	152,458,659.1	966,224,813.7
2014	1	0.000	0.131238259	166,355,732.6	903,305,635.8	847,533.3	166,355,732.6	1,101,229,903.6
2014	2	0.000	0.131238259	135,901,867.5	1,201,731,187.1	0.0	135,901,867.5	899,633,563.2
2014	3	0.000	0.131238259	130,376,855.6	857,652,217.5	0.0	130,376,855.6	863,059,480.3

Kentucky Power Company
 Residential Model Output Data

Year	Month	X-Missing	Lighting Share	Lighting Use	Heating Use	Cooling Use	Lighting Use	Other Use
2014	4	0.000	0.131238259	117,262,668.4	411,812,369.2	6,610,376.8	117,262,668.4	776,247,112.4
2014	5	0.000	0.131238259	109,621,204.4	51,008,063.7	35,967,760.1	109,621,204.4	725,662,689.5
2014	6	0.000	0.131238259	116,366,708.4	14,065,446.1	138,727,952.2	116,366,708.4	770,316,099.3
2014	7	0.000	0.131238259	125,527,417.5	0.0	293,442,316.9	125,527,417.5	830,957,513.2
2014	8	0.000	0.131238259	122,673,028.4	0.0	207,667,076.3	122,673,028.4	812,062,230.1
2014	9	0.000	0.131238259	117,955,251.0	0.0	241,779,045.7	117,955,251.0	780,831,821.5
2014	10	0.000	0.131238259	108,414,978.8	25,576,690.6	61,411,506.7	108,414,978.8	717,677,802.9
2014	11	0.000	0.131238259	111,858,328.9	286,928,019.8	5,751,750.9	111,858,328.9	740,471,848.2
2014	12	0.000	0.131238259	147,100,357.1	733,970,053.0	18,418.7	147,100,357.1	973,764,531.7
2015	1	0.000	0.121556256	145,342,167.9	855,426,162.1	0.0	145,342,167.9	1,050,336,048.7
2015	2	0.000	0.121556256	114,146,735.9	1,067,964,200.4	0.0	114,146,735.9	824,897,779.3
2015	3	0.000	0.121556256	114,940,050.3	1,116,525,304.7	0.0	114,940,050.3	830,630,780.1
2015	4	0.000	0.121556256	104,077,306.3	315,213,521.2	5,052,225.9	104,077,306.3	752,129,600.7
2015	5	0.000	0.121556256	93,671,463.0	76,600,625.4	54,553,877.3	93,671,463.0	676,930,279.6
2015	6	0.000	0.121556256	102,498,359.2	2,648,663.5	202,888,649.5	102,498,359.2	740,719,112.3
2015	7	0.000	0.121556256	113,654,948.8	0.0	288,579,553.5	113,654,948.8	821,343,809.5
2015	8	0.000	0.121556256	108,389,603.2	0.0	301,547,474.1	108,389,603.2	783,293,033.3
2015	9	0.000	0.121556256	109,123,742.8	0.0	229,965,408.7	109,123,742.8	788,598,398.7
2015	10	0.000	0.121556256	97,417,609.6	25,315,718.7	72,433,266.1	97,417,609.6	704,002,345.7
2015	11	0.000	0.121556256	100,280,675.2	146,406,375.4	5,009,589.5	100,280,675.2	724,692,700.8
2015	12	0.000	0.121556256	127,928,014.9	359,194,575.3	1,034,030.0	127,928,014.9	924,490,171.2
2016	1	0.000	0.116081898	137,412,176.4	584,737,618.9	0.0	137,412,176.4	1,046,339,802.3
2016	2	0.000	0.116081898	104,308,610.9	974,783,321.5	0.0	104,308,610.9	794,269,140.9
2016	3	0.000	0.116081898	103,391,010.9	549,252,083.8	1,284,276.8	103,391,010.9	787,281,976.9
2016	4	0.000	0.116081898	99,988,145.3	196,236,538.8	9,508,866.2	99,988,145.3	761,370,491.0
2016	5	0.000	0.116081898	89,268,548.5	65,010,788.1	50,031,148.7	89,268,548.5	679,744,968.0
2016	6	0.000	0.116081898	94,055,657.7	15,162,305.2	168,924,897.4	94,055,657.7	716,196,926.1
2016	7	0.000	0.116081898	105,070,719.7	0.0	315,503,131.4	105,070,719.7	800,072,300.9
2016	8	0.000	0.116081898	103,915,273.5	0.0	422,644,355.0	103,915,273.5	791,274,031.5
2016	9	0.000	0.116081898	103,055,200.2	0.0	389,500,912.0	103,055,200.2	784,724,910.7
2016	10	0.000	0.116081898	92,398,897.4	2,531,525.0	185,643,432.7	92,398,897.4	703,581,346.1
2016	11	0.000	0.116081898	92,944,054.7	83,096,961.9	44,557,007.0	92,944,054.7	707,732,505.4
2016	12	0.000	0.116081898	120,722,574.3	489,207,032.7	1,843,342.8	120,722,574.3	919,255,031.6

Kentucky Power Company
 Residential Model Output Data

Year	Month	X-Missing	Lighting Share	Lighting Use	Heating Use	Cooling Use	Lighting Use	Other Use
2017	1	0.000	0.111839311	132,075,811.8	651,239,468.3	0.0	132,075,811.8	1,048,866,829.9
2017	2	0.000	0.111839311	99,595,371.6	542,912,959.4	0.0	99,595,371.6	790,926,667.5
2017	3	0.000	0.111839311	94,032,542.0	425,090,676.3	604,756.7	94,032,542.0	746,750,013.2
2017	4	0.000	0.111839311	90,986,451.7	262,970,330.6	14,296,305.8	90,986,451.7	722,559,792.4
2017	5	0.000	0.111839311	82,018,893.3	35,812,101.7	75,406,722.6	82,018,893.3	651,344,825.9
2017	6	0.000	0.111839311	89,699,154.1	8,645,244.6	142,007,818.2	89,699,154.1	712,336,847.3
2017	7	0.000	0.111839311	99,222,419.9	0.0	285,513,670.3	99,222,419.9	787,964,909.3
2017	8	0.000	0.111839311	97,663,486.9	0.0	304,820,383.2	97,663,486.9	775,584,798.8
2017	9	0.000	0.111839311	97,126,224.0	0.0	181,183,771.1	97,126,224.0	771,318,179.3
2017	10	0.000	0.111839311	85,485,940.6	4,726,425.7	133,620,842.2	85,485,940.6	678,878,034.6
2017	11	0.000	0.111839311	88,790,379.3	191,115,142.0	24,262,896.9	88,790,379.3	705,119,903.4
2017	12	0.000	0.111839311	115,802,564.1	517,224,841.1	911,834.1	115,802,564.1	919,634,463.8
2018	1	0.000	0.108873173	128,466,732.7	1,003,486,285.6	1,866,852.0	128,466,732.7	1,051,500,093.4
2018	2	0.000	0.108873173	103,690,196.4	813,739,673.1	3,150,871.2	103,690,196.4	848,704,165.4
2018	3	0.000	0.108873173	94,000,421.9	452,595,897.4	6,326,197.3	94,000,421.9	769,393,370.1
2018	4	0.000	0.108873173	87,233,938.7	434,442,213.6	7,285,726.6	87,233,938.7	714,009,710.7
2018	5	0.000	0.108873173	82,092,916.8	106,570,666.4	79,107,203.7	82,092,916.8	671,930,451.6
2018	6	0.000	0.108873173	88,775,996.7	1,438,762.9	266,770,537.4	88,775,996.7	726,631,454.6
2018	7	0.000	0.108873173	96,567,961.9	0.0	357,545,078.7	96,567,961.9	790,408,682.8
2018	8	0.000	0.108873173	95,258,736.3	0.0	326,491,904.0	95,258,736.3	779,692,672.2
2018	9	0.000	0.108873173	91,224,642.1	0.0	329,962,716.8	91,224,642.1	746,673,615.2
2018	10	0.000	0.108873173	82,014,254.4	27,198,956.3	206,879,688.0	82,014,254.4	671,286,599.6
2018	11	0.000	0.108873173	86,423,833.8	263,051,444.3	30,204,340.5	86,423,833.8	707,379,003.2
2018	12	0.000	0.108873173	110,440,870.7	610,588,306.9	167,873.5	110,440,870.7	903,958,428.8
2019	1	0.000	0.105227981	121,270,058.9	615,092,861.0	0.0	121,270,058.9	1,031,180,624.4
2019	2	0.000	0.105227981	91,325,514.6	820,655,364.7	134,473.4	91,325,514.6	776,556,901.4
2019	3	0.000	0.105227981	85,720,112.4	614,922,375.2	1,838,922.0	85,720,112.4	728,893,181.6
2019	4	0.000	0.105227981	83,098,128.3	305,065,168.3	14,430,771.7	83,098,128.3	706,597,990.1
2019	5	0.000	0.105227981	77,224,959.6	71,316,065.9	47,150,481.1	77,224,959.6	656,657,403.6
2019	6	0.000	0.105227981	83,315,839.5	8,725,399.8	144,463,692.4	83,315,839.5	708,449,226.3
2019	7	0.000	0.105227981	90,769,476.8	17,801.4	294,970,529.2	90,769,476.8	771,828,814.0
2019	8	0.000	0.105227981	88,718,640.9	0.0	331,543,053.5	88,718,640.9	754,390,196.3
2019	9	0.000	0.105227981	86,674,021.6	196,765.8	267,495,027.1	86,674,021.6	737,004,438.6

Kentucky Power Company
 Residential Model Output Data

Year	Month	X-Missing	Lighting Share	Lighting Use	Heating Use	Cooling Use	Lighting Use	Other Use
2019	10	0.000	0.105227981	77,564,280.0	26,380,634.6	91,681,226.6	77,564,280.0	659,542,705.0
2019	11	0.000	0.105227981	81,549,322.5	197,428,446.4	12,649,999.1	81,549,322.5	693,428,222.1
2019	12	0.000	0.105227981	108,221,816.3	513,149,522.3	1,271,407.5	108,221,816.3	920,229,124.1
2020	1	0.000	0.099075964	115,166,067.4	758,001,486.9	188,791.8	115,166,067.4	1,047,235,621.0
2020	2	0.000	0.099075964	86,851,568.2	814,266,621.8	133,424.5	86,851,568.2	789,764,363.7
2020	3	0.000	0.099075964	81,025,269.8	609,985,248.5	1,824,109.9	81,025,269.8	736,784,285.6
2020	4	0.000	0.099075964	78,280,638.7	302,516,293.6	14,310,178.2	78,280,638.7	711,826,626.5
2020	5	0.000	0.099075964	72,622,380.8	70,701,670.7	46,745,250.0	72,622,380.8	660,374,586.0
2020	6	0.000	0.099075964	78,286,094.2	8,648,260.0	143,193,596.2	78,286,094.2	711,876,235.3
2020	7	0.000	0.099075964	85,283,197.2	17,642.2	292,352,679.0	85,283,197.2	775,502,750.1
2020	8	0.000	0.099075964	83,344,133.5	0.0	328,615,008.0	83,344,133.5	757,870,328.9
2020	9	0.000	0.099075964	81,397,412.5	195,033.9	265,163,126.9	81,397,412.5	740,168,278.4
2020	10	0.000	0.099075964	72,810,357.6	26,155,639.4	90,904,322.7	72,810,357.6	662,083,909.1
2020	11	0.000	0.099075964	76,555,805.2	195,813,956.6	12,546,419.4	76,555,805.2	696,142,258.4
2020	12	0.000	0.099075964	101,637,427.3	509,165,269.3	1,261,421.6	101,637,427.3	924,216,105.1
2021	1	0.000	0.095561415	110,735,625.4	751,209,867.6	187,502.0	110,735,625.4	1,048,054,508.3
2021	2	0.000	0.095561415	83,478,228.7	807,196,913.3	132,544.9	83,478,228.7	790,077,570.8
2021	3	0.000	0.095561415	77,876,100.9	604,852,330.2	1,812,487.7	77,876,100.9	737,056,375.2
2021	4	0.000	0.095561415	75,243,977.3	300,081,399.8	14,223,224.2	75,243,977.3	712,144,708.5
2021	5	0.000	0.095561415	69,812,292.9	70,161,197.6	46,476,345.2	69,812,292.9	660,736,669.3
2021	6	0.000	0.095561415	75,288,801.6	8,585,731.7	142,419,457.3	75,288,801.6	712,568,946.3
2021	7	0.000	0.095561415	82,054,406.3	17,517.9	290,825,723.2	82,054,406.3	776,601,839.9
2021	8	0.000	0.095561415	80,193,472.7	0.0	326,950,421.6	80,193,472.7	758,989,081.3
2021	9	0.000	0.095561415	78,307,919.8	193,735.3	263,877,439.3	78,307,919.8	741,143,314.2
2021	10	0.000	0.095561415	70,017,652.9	25,985,520.6	90,477,012.8	70,017,652.9	662,680,293.5
2021	11	0.000	0.095561415	73,620,710.9	194,563,952.3	12,489,010.8	73,620,710.9	696,781,344.9
2021	12	0.000	0.095561415	97,775,079.9	505,958,340.1	1,255,772.6	97,775,079.9	925,389,755.3
2022	1	0.000	0.09358864	108,330,632.4	748,999,500.3	187,266.9	108,330,632.4	1,049,188,399.0
2022	2	0.000	0.09358864	81,653,261.7	804,811,188.2	132,380.1	81,653,261.7	790,816,530.5
2022	3	0.000	0.09358864	76,175,650.8	603,113,362.1	1,810,385.1	76,175,650.8	737,765,554.0
2022	4	0.000	0.09358864	73,603,484.6	299,212,273.4	14,206,677.1	73,603,484.6	712,853,976.7
2022	5	0.000	0.09358864	68,289,172.8	69,948,429.3	46,418,065.3	68,289,172.8	661,384,562.3
2022	6	0.000	0.09358864	73,652,336.4	8,558,211.8	142,221,998.6	73,652,336.4	713,327,109.7

Kentucky Power Company
 Residential Model Output Data

Year	Month	X-Missing	Lighting Share	Lighting Use	Heating Use	Cooling Use	Lighting Use	Other Use
2022	7	0.000	0.09358864	80,281,713.2	17,459.0	290,385,522.1	80,281,713.2	777,533,004.6
2022	8	0.000	0.09358864	78,457,698.2	0.0	326,419,845.1	78,457,698.2	759,867,314.9
2022	9	0.000	0.09358864	76,599,414.4	193,040.8	263,419,477.9	76,599,414.4	741,869,729.3
2022	10	0.000	0.09358864	68,466,782.3	25,889,991.7	90,310,653.7	68,466,782.3	663,104,720.1
2022	11	0.000	0.09358864	71,978,404.4	193,809,860.6	12,463,739.4	71,978,404.4	697,114,982.1
2022	12	0.000	0.09358864	95,600,042.2	503,889,293.4	1,252,989.0	95,600,042.2	925,891,901.3
2023	1	0.000	0.092307076	106,706,922.9	745,290,966.0	186,857.8	106,706,922.9	1,049,292,462.1
2023	2	0.000	0.092307076	80,413,538.9	800,770,327.6	132,079.5	80,413,538.9	790,738,950.3
2023	3	0.000	0.092307076	75,012,043.8	599,972,627.5	1,805,943.3	75,012,043.8	737,623,858.3
2023	4	0.000	0.092307076	72,479,222.0	297,630,872.5	14,170,441.6	72,479,222.0	712,717,593.5
2023	5	0.000	0.092307076	67,248,074.0	69,578,787.7	46,298,066.8	67,248,074.0	661,277,592.7
2023	6	0.000	0.092307076	72,541,920.4	8,512,737.3	141,847,591.8	72,541,920.4	713,334,132.1
2023	7	0.000	0.092307076	79,089,896.2	17,366.1	289,613,930.7	79,089,896.2	777,723,034.7
2023	8	0.000	0.092307076	77,291,400.8	0.0	325,533,092.4	77,291,400.8	760,037,699.9
2023	9	0.000	0.092307076	75,445,723.0	191,978.1	262,679,494.6	75,445,723.0	741,888,401.0
2023	10	0.000	0.092307076	67,410,120.8	25,744,425.1	90,049,317.9	67,410,120.8	662,871,064.7
2023	11	0.000	0.092307076	70,859,616.1	192,705,079.6	12,426,905.7	70,859,616.1	696,791,351.8
2023	12	0.000	0.092307076	94,127,732.2	500,997,398.6	1,249,240.6	94,127,732.2	925,596,176.6
2024	1	0.000	0.091299896	105,387,331.3	740,737,609.2	186,383.8	105,387,331.3	1,048,911,148.5
2024	2	0.000	0.091299896	79,402,638.6	795,847,711.4	131,740.4	79,402,638.6	790,287,711.9
2024	3	0.000	0.091299896	74,070,448.6	596,336,784.5	1,801,427.8	74,070,448.6	737,216,877.3
2024	4	0.000	0.091299896	71,579,386.6	295,894,522.4	14,137,451.1	71,579,386.6	712,423,549.2
2024	5	0.000	0.091299896	66,418,211.0	69,178,527.8	46,193,479.6	66,418,211.0	661,054,807.0
2024	6	0.000	0.091299896	71,662,723.2	8,464,674.4	141,540,448.8	71,662,723.2	713,252,991.3
2024	7	0.000	0.091299896	78,151,686.7	17,269.8	289,011,749.1	78,151,686.7	777,837,093.9
2024	8	0.000	0.091299896	76,379,859.1	0.0	324,906,123.0	76,379,859.1	760,202,243.9
2024	9	0.000	0.091299896	74,550,485.6	190,991.2	262,213,034.4	74,550,485.6	741,994,644.7
2024	10	0.000	0.091299896	66,594,191.3	25,615,316.4	89,897,948.0	66,594,191.3	662,806,324.9
2024	11	0.000	0.091299896	69,999,110.1	191,771,306.6	12,407,548.4	69,999,110.1	696,695,192.0
2024	12	0.000	0.091299896	92,977,595.5	498,391,413.5	1,246,971.3	92,977,595.5	925,398,103.5
2025	1	0.000	0.090736866	104,629,733.1	737,087,113.0	186,225.4	104,629,733.1	1,048,481,871.5
2025	2	0.000	0.090736866	78,820,573.8	791,888,829.8	131,624.3	78,820,573.8	789,851,414.7
2025	3	0.000	0.090736866	73,526,584.5	593,358,778.1	1,799,812.8	73,526,584.5	736,800,989.6

Kentucky Power Company
 Residential Model Output Data

Year	Month	X-Missing	Lighting Share	Lighting Use	Heating Use	Cooling Use	Lighting Use	Other Use
2025	4	0.000	0.090736866	71,050,054.2	294,341,592.9	14,122,227.9	71,050,054.2	711,983,979.8
2025	5	0.000	0.090736866	65,930,663.0	68,816,482.0	46,144,329.5	65,930,663.0	660,683,180.7
2025	6	0.000	0.090736866	71,142,326.5	8,418,608.4	141,367,536.7	71,142,326.5	712,908,629.6
2025	7	0.000	0.090736866	77,594,418.6	17,171.9	288,608,269.6	77,594,418.6	777,564,261.9
2025	8	0.000	0.090736866	75,833,236.6	0.0	324,433,286.4	75,833,236.6	759,915,671.1
2025	9	0.000	0.090736866	74,003,307.2	189,887.8	261,820,931.9	74,003,307.2	741,578,169.9
2025	10	0.000	0.090736866	66,085,496.4	25,468,899.0	89,767,256.5	66,085,496.4	662,234,748.1
2025	11	0.000	0.090736866	69,457,505.1	190,679,861.2	12,389,695.4	69,457,505.1	696,025,238.1
2025	12	0.000	0.090736866	92,286,497.2	495,835,860.4	1,245,682.3	92,286,497.2	924,791,800.4
2026	1	0.000	0.090315587	104,053,448.4	733,421,224.4	186,133.4	104,053,448.4	1,048,056,076.1
2026	2	0.000	0.090315587	78,384,784.7	788,092,727.4	131,575.0	78,384,784.7	789,513,957.9
2026	3	0.000	0.090315587	73,125,307.0	590,591,321.8	1,799,296.7	73,125,307.0	736,538,994.8
2026	4	0.000	0.090315587	70,672,793.7	293,022,782.9	14,119,850.4	70,672,793.7	711,836,580.3
2026	5	0.000	0.090315587	65,588,054.6	68,514,261.4	46,138,865.8	65,588,054.6	660,621,634.1
2026	6	0.000	0.090315587	70,791,224.9	8,384,384.8	141,382,945.0	70,791,224.9	713,029,453.3
2026	7	0.000	0.090315587	77,228,116.2	17,107.1	288,699,739.0	77,228,116.2	777,863,662.2
2026	8	0.000	0.090315587	75,474,898.2	0.0	324,544,991.0	75,474,898.2	760,204,749.0
2026	9	0.000	0.090315587	73,647,901.2	189,181.7	261,915,624.5	73,647,901.2	741,802,713.5
2026	10	0.000	0.090315587	65,756,565.5	25,374,459.1	89,801,220.1	65,756,565.5	662,318,924.4
2026	11	0.000	0.090315587	69,105,757.6	189,997,254.2	12,395,517.4	69,105,757.6	696,052,944.6
2026	12	0.000	0.090315587	91,816,168.5	494,088,214.2	1,246,310.7	91,816,168.5	924,798,694.2
2027	1	0.000	0.089958198	103,643,339.0	731,521,508.1	186,466.6	103,643,339.0	1,048,484,436.6
2027	2	0.000	0.089958198	78,081,288.8	786,076,808.5	131,815.1	78,081,288.8	789,891,728.0
2027	3	0.000	0.089958198	72,848,952.9	589,127,176.3	1,802,695.1	72,848,952.9	736,959,983.3
2027	4	0.000	0.089958198	70,415,601.0	292,314,792.7	14,147,390.7	70,415,601.0	712,343,528.5
2027	5	0.000	0.089958198	65,357,542.8	68,349,722.5	46,229,991.9	65,357,542.8	661,174,824.4
2027	6	0.000	0.089958198	70,546,178.2	8,363,769.1	141,658,338.1	70,546,178.2	713,664,483.3
2027	7	0.000	0.089958198	76,959,927.6	17,063.7	289,246,066.2	76,959,927.6	778,547,730.3
2027	8	0.000	0.089958198	75,209,552.2	0.0	325,149,512.6	75,209,552.2	760,840,452.7
2027	9	0.000	0.089958198	73,386,092.3	188,698.3	262,407,622.5	73,386,092.3	742,393,832.6
2027	10	0.000	0.089958198	65,514,291.3	25,308,858.3	89,966,185.8	65,514,291.3	662,760,535.5
2027	11	0.000	0.089958198	68,836,829.5	189,484,730.5	12,417,213.5	68,836,829.5	696,372,242.9
2027	12	0.000	0.089958198	91,442,865.8	492,685,068.1	1,248,362.1	91,442,865.8	925,061,104.3

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Year	Month	X-Missing	Lighting Share	Lighting Use	Heating Use	Cooling Use	Lighting Use	Other Use
2028	1	0.000	0.089598688	103,240,230.7	729,840,584.3	186,969.5	103,240,230.7	1,049,011,359.3
2028	2	0.000	0.089598688	77,783,337.6	784,272,406.4	132,170.4	77,783,337.6	790,346,980.7
2028	3	0.000	0.089598688	72,576,229.1	587,775,947.7	1,807,550.3	72,576,229.1	737,438,188.3
2028	4	0.000	0.089598688	70,160,110.3	291,644,792.3	14,185,270.4	70,160,110.3	712,888,300.6
2028	5	0.000	0.089598688	65,128,205.8	68,191,599.4	46,352,962.7	65,128,205.8	661,759,734.5
2028	6	0.000	0.089598688	70,303,794.2	8,344,218.0	142,032,143.3	70,303,794.2	714,348,255.2
2028	7	0.000	0.089598688	76,696,554.3	17,023.4	290,003,144.9	76,696,554.3	779,304,309.5
2028	8	0.000	0.089598688	74,949,845.8	0.0	325,994,377.3	74,949,845.8	761,556,218.0
2028	9	0.000	0.089598688	73,128,541.0	188,243.8	263,085,090.1	73,128,541.0	743,050,161.8
2028	10	0.000	0.089598688	65,276,874.9	25,247,577.2	90,196,902.3	65,276,874.9	663,270,343.3
2028	11	0.000	0.089598688	68,575,133.3	189,022,164.4	12,448,831.7	68,575,133.3	696,783,543.7
2028	12	0.000	0.089598688	91,080,981.6	491,470,213.9	1,251,512.5	91,080,981.6	925,462,716.2
2029	1	0.000	0.089274867	103,011,106.2	727,843,130.5	187,540.3	103,011,106.2	1,050,853,459.1
2029	2	0.000	0.089274867	77,629,633.1	782,080,806.0	132,567.8	77,629,633.1	791,927,894.7
2029	3	0.000	0.089274867	72,439,150.2	586,097,965.2	1,812,897.9	72,439,150.2	738,977,905.9
2029	4	0.000	0.089274867	70,036,455.8	290,796,881.7	14,226,650.3	70,036,455.8	714,467,153.7
2029	5	0.000	0.089274867	65,019,088.0	67,989,556.1	46,486,186.2	65,019,088.0	663,283,175.2
2029	6	0.000	0.089274867	70,177,373.5	8,318,972.8	142,433,378.2	70,177,373.5	715,904,705.8
2029	7	0.000	0.089274867	76,547,264.7	16,970.8	290,807,474.3	76,547,264.7	780,886,264.6
2029	8	0.000	0.089274867	74,802,133.0	0.0	326,879,428.8	74,802,133.0	763,083,546.8
2029	9	0.000	0.089274867	72,988,712.0	187,634.4	263,782,900.7	72,988,712.0	744,584,184.4
2029	10	0.000	0.089274867	65,158,962.1	25,163,942.9	90,430,439.1	65,158,962.1	664,710,080.6
2029	11	0.000	0.089274867	68,439,317.6	188,380,908.5	12,480,213.8	68,439,317.6	698,174,170.6
2029	12	0.000	0.089274867	90,868,621.5	489,767,859.8	1,254,591.8	90,868,621.5	926,983,592.0
2030	1	0.000	0.085692735	98,804,780.9	725,452,079.9	187,967.2	98,804,780.9	1,054,207,560.5
2030	2	0.000	0.085692735	74,456,029.2	779,466,843.7	132,862.9	74,456,029.2	794,416,101.3
2030	3	0.000	0.085692735	69,480,752.3	584,104,383.7	1,816,836.2	69,480,752.3	741,331,884.2
2030	4	0.000	0.085692735	67,183,294.7	289,791,294.9	14,256,830.6	67,183,294.7	716,818,929.0
2030	5	0.000	0.085692735	62,380,087.3	67,750,511.9	46,582,373.8	62,380,087.3	665,570,623.1
2030	6	0.000	0.085692735	67,344,742.9	8,289,299.2	142,721,637.7	67,344,742.9	718,541,516.7
2030	7	0.000	0.085692735	73,466,407.6	16,909.4	291,383,375.8	73,466,407.6	783,857,234.4
2030	8	0.000	0.085692735	71,787,238.9	0.0	327,513,722.3	71,787,238.9	765,941,175.1
2030	9	0.000	0.085692735	70,034,248.7	186,939.3	264,284,776.1	70,034,248.7	747,237,469.1

Kentucky Power Company
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Year	Month	X-Missing	Lighting Share	Lighting Use	Heating Use	Cooling Use	Lighting Use	Other Use
2030	10	0.000	0.085692735	62,501,469.3	25,069,704.0	90,599,312.8	62,501,469.3	666,865,720.5
2030	11	0.000	0.085692735	65,632,743.4	187,667,709.1	12,503,072.4	65,632,743.4	700,275,165.4
2030	12	0.000	0.085692735	87,139,319.6	487,892,563.1	1,256,841.6	87,139,319.6	929,741,746.3
2031	1	0.000	0.082415805	94,982,871.8	722,828,203.5	188,615.4	94,982,871.8	1,057,500,830.4
2031	2	0.000	0.082415805	71,577,447.0	776,661,476.5	133,322.3	71,577,447.0	796,914,309.4
2031	3	0.000	0.082415805	66,800,074.2	582,012,835.4	1,823,138.9	66,800,074.2	743,724,975.6
2031	4	0.000	0.082415805	64,600,489.3	288,759,924.5	14,306,494.6	64,600,489.3	719,235,687.9
2031	5	0.000	0.082415805	59,993,452.3	67,510,657.2	46,745,164.0	59,993,452.3	667,942,803.7
2031	6	0.000	0.082415805	64,782,107.3	8,260,080.7	143,221,484.2	64,782,107.3	721,257,748.4
2031	7	0.000	0.082415805	70,676,679.9	16,849.9	292,404,174.9	70,676,679.9	786,885,532.9
2031	8	0.000	0.082415805	69,058,294.4	0.0	328,661,168.3	69,058,294.4	768,867,084.2
2031	9	0.000	0.082415805	67,364,385.1	186,285.9	265,212,295.5	67,364,385.1	750,007,783.6
2031	10	0.000	0.082415805	60,105,966.5	24,982,343.4	90,917,584.0	60,105,966.5	669,195,491.3
2031	11	0.000	0.082415805	63,104,076.8	187,016,256.3	12,547,075.0	63,104,076.8	702,575,236.8
2031	12	0.000	0.082415805	83,775,074.9	486,205,004.0	1,261,272.3	83,775,074.9	932,717,758.6
2032	1	0.000	0.079572045	91,705,823.7	719,985,533.0	189,171.4	91,705,823.7	1,060,782,128.8
2032	2	0.000	0.079572045	69,113,160.1	773,596,491.3	133,713.8	69,113,160.1	799,447,649.2
2032	3	0.000	0.079572045	64,506,055.4	579,711,077.9	1,828,480.5	64,506,055.4	746,156,220.6
2032	4	0.000	0.079572045	62,390,250.9	287,613,202.3	14,348,213.2	62,390,250.9	721,682,228.8
2032	5	0.000	0.079572045	57,951,225.2	67,241,705.5	46,881,007.1	57,951,225.2	670,335,008.3
2032	6	0.000	0.079572045	62,586,346.8	8,227,085.6	143,636,541.0	62,586,346.8	723,950,513.7
2032	7	0.000	0.079572045	68,282,365.5	16,782.5	293,250,056.5	68,282,365.5	789,837,658.7
2032	8	0.000	0.079572045	66,715,734.1	0.0	329,610,517.5	66,715,734.1	771,716,076.9
2032	9	0.000	0.079572045	65,073,904.2	185,537.2	265,976,151.0	65,073,904.2	752,724,656.4
2032	10	0.000	0.079572045	58,054,237.8	24,881,817.9	91,179,181.1	58,054,237.8	671,526,578.3
2032	11	0.000	0.079572045	60,937,074.4	186,262,234.5	12,583,097.9	60,937,074.4	704,873,005.1
2032	12	0.000	0.079572045	80,886,080.5	484,240,150.6	1,264,883.6	80,886,080.5	935,627,697.2
2033	1	0.000	0.077258308	89,075,221.7	717,195,189.2	189,711.4	89,075,221.7	1,063,878,079.2
2033	2	0.000	0.077258308	67,139,693.9	770,587,936.0	134,093.8	67,139,693.9	801,889,091.1
2033	3	0.000	0.077258308	62,670,288.3	577,448,431.2	1,833,653.7	62,670,288.3	748,508,336.1
2033	4	0.000	0.077258308	60,623,592.4	286,488,769.8	14,388,723.1	60,623,592.4	724,063,436.0
2033	5	0.000	0.077258308	56,320,338.1	66,978,385.5	47,013,094.0	56,320,338.1	672,667,123.7
2033	6	0.000	0.077258308	60,830,827.6	8,194,783.3	144,039,864.4	60,830,827.6	726,538,567.9

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 Residential Model Output Data

Year	Month	X-Missing	Lighting Share	Lighting Use	Heating Use	Cooling Use	Lighting Use	Other Use
2033	7	0.000	0.077258308	66,365,141.4	16,716.5	294,071,074.4	66,365,141.4	792,638,152.6
2033	8	0.000	0.077258308	64,839,615.6	0.0	330,529,238.5	64,839,615.6	774,417,895.8
2033	9	0.000	0.077258308	63,241,108.9	184,802.4	266,714,902.3	63,241,108.9	755,325,984.0
2033	10	0.000	0.077258308	56,414,907.8	24,782,885.9	91,431,117.0	56,414,907.8	673,796,625.2
2033	11	0.000	0.077258308	59,203,681.0	185,519,035.3	12,617,710.4	59,203,681.0	707,104,594.3
2033	12	0.000	0.077258308	78,568,221.3	482,301,775.9	1,268,348.7	78,568,221.3	938,386,756.6
2034	1	0.000	0.075531112	87,148,554.3	714,158,170.5	190,173.6	87,148,554.3	1,066,661,467.7
2034	2	0.000	0.075531112	65,699,479.1	767,318,354.1	134,419.5	65,699,479.1	804,133,853.8
2034	3	0.000	0.075531112	61,332,671.8	574,996,372.8	1,838,103.1	61,332,671.8	750,685,977.9
2034	4	0.000	0.075531112	59,338,579.5	285,271,224.4	14,423,604.3	59,338,579.5	726,279,131.4
2034	5	0.000	0.075531112	55,135,867.0	66,693,649.0	47,127,050.4	55,135,867.0	674,839,707.1
2034	6	0.000	0.075531112	59,554,256.6	8,159,935.1	144,388,922.5	59,554,256.6	728,918,927.4
2034	7	0.000	0.075531112	64,968,214.0	16,645.4	294,784,312.5	64,968,214.0	795,183,477.7
2034	8	0.000	0.075531112	63,472,996.4	0.0	331,332,419.0	63,472,996.4	776,882,647.2
2034	9	0.000	0.075531112	61,907,598.5	184,018.2	267,364,012.9	61,907,598.5	757,722,837.6
2034	10	0.000	0.075531112	55,226,017.1	24,678,006.0	91,654,735.9	55,226,017.1	675,943,105.5
2034	11	0.000	0.075531112	57,944,291.3	184,734,866.8	12,648,641.6	57,944,291.3	709,213,632.9
2034	12	0.000	0.075531112	76,876,156.9	480,267,923.0	1,271,471.3	76,876,156.9	940,931,666.4
2035	1	0.000	0.073936217	85,404,525.7	711,650,301.1	190,713.3	85,404,525.7	1,069,706,312.4
2035	2	0.000	0.073936217	64,401,554.7	764,640,878.0	134,803.9	64,401,554.7	806,640,503.4
2035	3	0.000	0.073936217	60,129,142.7	572,998,833.5	1,843,383.8	60,129,142.7	753,127,810.4
2035	4	0.000	0.073936217	58,184,741.2	284,285,722.4	14,465,295.8	58,184,741.2	728,773,848.7
2035	5	0.000	0.073936217	54,074,317.5	66,464,307.2	47,263,932.2	54,074,317.5	677,290,088.0
2035	6	0.000	0.073936217	58,408,716.8	8,131,979.8	144,809,893.4	58,408,716.8	731,579,181.6
2035	7	0.000	0.073936217	63,710,932.1	16,588.5	295,646,350.3	63,710,932.1	797,990,336.5
2035	8	0.000	0.073936217	62,242,764.6	0.0	332,304,318.7	62,242,764.6	779,601,287.7
2035	9	0.000	0.073936217	60,709,429.5	183,393.4	268,150,540.9	60,709,429.5	760,396,002.6
2035	10	0.000	0.073936217	54,161,029.4	24,594,291.1	91,924,572.7	54,161,029.4	678,376,169.1
2035	11	0.000	0.073936217	56,814,864.3	184,109,330.6	12,685,942.9	56,814,864.3	711,615,906.4
2035	12	0.000	0.073936217	75,351,039.9	478,639,355.1	1,275,213.1	75,351,039.9	943,784,680.3
2036	1	0.000	0.072529476	83,900,546.0	709,635,922.3	191,388.0	83,900,546.0	1,072,878,061.8
2036	2	0.000	0.072529476	63,286,549.5	762,479,192.0	135,280.9	63,286,549.5	809,276,623.2
2036	3	0.000	0.072529476	59,096,797.5	571,381,301.0	1,849,909.8	59,096,797.5	755,700,178.7

Kentucky Power Company
 Residential Model Output Data

Year	Month	X-Missing	Lighting Share	Lighting Use	Heating Use	Cooling Use	Lighting Use	Other Use
2036	4	0.000	0.072529476	57,196,462.4	283,483,070.8	14,516,471.9	57,196,462.4	731,399,647.8
2036	5	0.000	0.072529476	53,166,328.7	66,276,312.7	47,430,812.9	53,166,328.7	679,864,321.3
2036	6	0.000	0.072529476	57,427,244.5	8,108,936.6	145,320,173.8	57,427,244.5	734,350,773.3
2036	7	0.000	0.072529476	62,630,277.1	16,541.4	296,685,210.3	62,630,277.1	800,884,541.3
2036	8	0.000	0.072529476	61,184,535.8	0.0	333,465,975.7	61,184,535.8	782,397,128.3
2036	9	0.000	0.072529476	59,679,846.5	182,866.3	269,082,864.4	59,679,846.5	763,155,916.0
2036	10	0.000	0.072529476	53,248,739.3	24,523,188.6	92,242,339.1	53,248,739.3	680,918,146.4
2036	11	0.000	0.072529476	55,844,935.8	183,572,730.7	12,729,461.5	55,844,935.8	714,117,004.1
2036	12	0.000	0.072529476	74,035,390.5	477,236,253.4	1,279,563.2	74,035,390.5	946,727,406.8
2037	1	0.000	0.071295445	82,585,361.5	706,912,648.9	191,863.1	82,585,361.5	1,075,768,600.6
2037	2	0.000	0.071295445	62,311,382.8	759,523,074.2	135,611.5	62,311,382.8	811,676,886.0
2037	3	0.000	0.071295445	58,193,489.3	569,144,356.1	1,854,363.3	58,193,489.3	758,036,623.3
2037	4	0.000	0.071295445	56,331,299.7	282,363,856.6	14,550,948.3	56,331,299.7	733,779,478.0
2037	5	0.000	0.071295445	52,371,367.6	66,012,747.9	47,542,135.7	52,371,367.6	682,196,842.0
2037	6	0.000	0.071295445	56,567,340.3	8,076,437.1	145,656,859.2	56,567,340.3	736,854,175.7
2037	7	0.000	0.071295445	61,683,263.0	16,474.6	297,363,995.2	61,683,263.0	803,494,908.6
2037	8	0.000	0.071295445	60,257,279.9	0.0	334,220,043.7	60,257,279.9	784,919,851.4
2037	9	0.000	0.071295445	58,777,050.8	182,117.5	269,683,372.9	58,777,050.8	765,638,177.9
2037	10	0.000	0.071295445	52,448,170.0	24,422,031.6	92,445,493.6	52,448,170.0	683,197,280.7
2037	11	0.000	0.071295445	54,993,650.6	182,810,590.7	12,757,164.8	54,993,650.6	716,355,071.9
2037	12	0.000	0.071295445	72,879,583.8	475,240,978.8	1,282,311.7	72,879,583.8	949,339,767.0
2038	1	0.000	0.070202182	81,444,914.7	704,406,625.7	192,356.0	81,444,914.7	1,078,702,999.8
2038	2	0.000	0.070202182	61,469,936.6	756,822,155.4	135,958.3	61,469,936.6	814,142,973.8
2038	3	0.000	0.070202182	57,415,456.7	567,111,188.7	1,859,072.0	57,415,456.7	760,443,124.1
2038	4	0.000	0.070202182	55,587,773.0	281,351,563.4	14,587,690.1	55,587,773.0	736,236,236.0
2038	5	0.000	0.070202182	51,689,355.4	65,775,087.0	47,661,381.6	51,689,355.4	684,603,366.0
2038	6	0.000	0.070202182	55,828,379.2	8,047,226.6	146,019,539.6	55,828,379.2	739,422,962.0
2038	7	0.000	0.070202182	60,866,826.0	16,414.8	298,099,793.0	60,866,826.0	806,155,031.9
2038	8	0.000	0.070202182	59,457,501.1	0.0	335,040,935.0	59,457,501.1	787,489,127.6
2038	9	0.000	0.070202182	58,000,425.4	181,451.2	270,342,714.7	58,000,425.4	768,190,784.3
2038	10	0.000	0.070202182	51,762,492.2	24,332,389.6	92,670,312.5	51,762,492.2	685,572,031.5
2038	11	0.000	0.070202182	54,263,582.5	182,137,666.2	12,788,047.1	54,263,582.5	718,697,900.2
2038	12	0.000	0.070202182	71,883,713.4	473,487,597.8	1,285,404.1	71,883,713.4	952,068,985.8

Kentucky Power Company
 Residential Model Output Data

Year	Month	X-Missing	Lighting Share	Lighting Use	Heating Use	Cooling Use	Lighting Use	Other Use
2039	1	0.000	0.069204387	80,416,004.3	701,968,467.3	192,804.2	80,416,004.3	1,081,591,311.0
2039	2	0.000	0.069204387	60,712,360.2	754,198,307.4	136,274.2	60,712,360.2	816,578,265.2
2039	3	0.000	0.069204387	56,716,094.0	565,146,567.4	1,863,396.7	56,716,094.0	762,828,680.0
2039	4	0.000	0.069204387	54,920,058.3	280,377,535.4	14,621,655.8	54,920,058.3	738,672,088.2
2039	5	0.000	0.069204387	51,077,699.6	65,547,778.0	47,772,634.2	51,077,699.6	686,992,553.0
2039	6	0.000	0.069204387	55,165,541.2	8,019,510.6	146,362,031.0	55,165,541.2	741,973,821.7
2039	7	0.000	0.069204387	60,133,126.2	16,358.4	298,801,764.2	60,133,126.2	808,787,596.3
2039	8	0.000	0.069204387	58,739,226.5	0.0	335,835,346.9	58,739,226.5	790,039,713.1
2039	9	0.000	0.069204387	57,304,199.9	180,834.6	270,988,914.5	57,304,199.9	770,738,675.4
2039	10	0.000	0.069204387	51,150,101.9	24,250,263.3	92,893,945.6	51,150,101.9	687,966,360.6
2039	11	0.000	0.069204387	53,611,358.9	181,526,683.6	12,819,168.5	53,611,358.9	721,070,146.0
2039	12	0.000	0.069204387	70,991,473.0	471,910,330.3	1,288,561.9	70,991,473.0	954,831,827.6
2040	1	0.000	0.066094649	76,830,552.5	700,089,476.4	193,190.6	76,830,552.5	1,085,601,715.4
2040	2	0.000	0.066094649	58,014,716.4	752,205,828.0	136,551.8	58,014,716.4	819,737,377.0
2040	3	0.000	0.066094649	54,202,952.6	563,671,385.1	1,867,247.0	54,202,952.6	765,877,848.9
2040	4	0.000	0.066094649	52,495,419.7	279,653,053.4	14,652,231.2	52,495,419.7	741,750,720.7
2040	5	0.000	0.066094649	48,834,347.8	65,379,917.2	47,873,551.2	48,834,347.8	690,020,441.1
2040	6	0.000	0.066094649	52,751,432.0	7,999,112.1	146,673,458.0	52,751,432.0	745,368,127.3
2040	7	0.000	0.066094649	57,499,399.7	16,317.0	299,440,844.4	57,499,399.7	812,456,046.8
2040	8	0.000	0.066094649	56,163,131.6	0.0	336,555,722.0	56,163,131.6	793,574,821.1
2040	9	0.000	0.066094649	54,787,019.3	180,378.4	271,569,238.0	54,787,019.3	774,130,605.8
2040	10	0.000	0.066094649	48,898,871.6	24,189,033.9	93,092,490.6	48,898,871.6	690,932,150.0
2040	11	0.000	0.066094649	51,239,236.0	181,067,785.0	12,846,499.0	51,239,236.0	724,001,074.0
2040	12	0.000	0.066094649	67,835,142.1	470,713,703.5	1,291,296.8	67,835,142.1	958,498,203.7
2041	1	0.000	0.063431255	73,777,266.8	697,537,361.6	193,500.1	73,777,266.8	1,089,328,638.3
2041	2	0.000	0.063431255	55,718,480.5	749,441,701.3	136,766.9	55,718,480.5	822,688,873.3
2041	3	0.000	0.063431255	52,063,545.6	561,584,107.6	1,870,141.1	52,063,545.6	768,723,397.7
2041	4	0.000	0.063431255	50,431,180.3	278,610,675.2	14,674,616.2	50,431,180.3	744,621,363.5
2041	5	0.000	0.063431255	46,924,011.0	65,134,842.1	47,945,793.8	46,924,011.0	692,837,661.3
2041	6	0.000	0.063431255	50,694,151.4	7,968,978.6	146,892,439.2	50,694,151.4	748,504,158.1
2041	7	0.000	0.063431255	55,253,689.1	16,255.2	299,882,740.3	55,253,689.1	815,826,181.7
2041	8	0.000	0.063431255	53,966,362.4	0.0	337,047,530.8	53,966,362.4	796,818,676.0
2041	9	0.000	0.063431255	52,640,830.7	179,689.6	271,962,881.6	52,640,830.7	777,247,070.4

Kentucky Power Company
 Residential Model Output Data

Year	Month	X-Missing	Lighting Share	Lighting Use	Heating Use	Cooling Use	Lighting Use	Other Use
2041	10	0.000	0.063431255	46,980,193.2	24,096,291.1	93,226,192.1	46,980,193.2	693,667,197.5
2041	11	0.000	0.063431255	49,216,812.6	180,370,760.2	12,864,783.1	49,216,812.6	726,691,103.9
2041	12	0.000	0.063431255	65,141,730.8	468,896,088.7	1,293,122.5	65,141,730.8	961,824,096.0
2042	1	0.000	0.061204064	71,250,708.9	695,164,359.6	193,814.0	71,250,708.9	1,092,899,249.0
2042	2	0.000	0.061204064	53,822,276.9	746,893,330.7	136,989.1	53,822,276.9	825,568,291.6
2042	3	0.000	0.061204064	50,298,233.1	559,675,613.3	1,873,183.3	50,298,233.1	771,513,744.5
2042	4	0.000	0.061204064	48,729,442.5	277,665,642.4	14,698,593.2	48,729,442.5	747,450,403.9
2042	5	0.000	0.061204064	45,350,200.8	64,914,263.8	48,024,424.3	45,350,200.8	695,616,944.0
2042	6	0.000	0.061204064	48,997,776.3	7,942,042.0	147,134,330.7	48,997,776.3	751,566,317.9
2042	7	0.000	0.061204064	53,399,686.1	16,200.4	300,379,618.4	53,399,686.1	819,086,262.4
2042	8	0.000	0.061204064	52,152,887.4	0.0	337,608,212.8	52,152,887.4	799,961,887.3
2042	9	0.000	0.061204064	50,871,168.2	179,086.5	272,417,419.8	50,871,168.2	780,301,873.0
2042	10	0.000	0.061204064	45,401,690.6	24,015,667.3	93,383,062.6	45,401,690.6	696,406,736.0
2042	11	0.000	0.061204064	47,552,589.9	179,769,036.0	12,886,566.8	47,552,589.9	729,398,916.5
2042	12	0.000	0.061204064	62,920,503.5	467,336,475.3	1,295,326.0	62,920,503.5	965,124,027.2
2043	1	0.000	0.059440602	69,281,711.8	692,967,370.0	194,149.2	69,281,711.8	1,096,280,361.5
2043	2	0.000	0.059440602	52,348,782.4	744,537,796.7	137,226.9	52,348,782.4	828,341,861.4
2043	3	0.000	0.059440602	48,928,014.6	557,913,120.5	1,876,444.7	48,928,014.6	774,213,282.4
2043	4	0.000	0.059440602	47,410,162.3	276,792,451.5	14,724,243.8	47,410,162.3	750,195,521.3
2043	5	0.000	0.059440602	44,131,254.7	64,710,125.9	48,108,214.8	44,131,254.7	698,311,670.6
2043	6	0.000	0.059440602	47,682,203.9	7,917,076.0	147,391,211.5	47,682,203.9	754,500,176.5
2043	7	0.000	0.059440602	51,958,735.5	16,149.5	300,904,242.6	51,958,735.5	822,169,948.1
2043	8	0.000	0.059440602	50,743,234.4	0.0	338,197,957.3	50,743,234.4	802,936,445.1
2043	9	0.000	0.059440602	49,497,160.9	178,523.6	272,893,680.1	49,497,160.9	783,219,179.6
2043	10	0.000	0.059440602	44,178,818.1	23,940,145.0	93,546,280.2	44,178,818.1	699,064,290.0
2043	11	0.000	0.059440602	46,261,693.1	179,202,405.9	12,909,004.2	46,261,693.1	732,022,698.0
2043	12	0.000	0.059440602	61,191,271.2	465,857,754.9	1,297,565.5	61,191,271.2	968,261,135.9
2044	1	0.000	0.058184465	67,921,390.9	691,103,557.5	194,550.0	67,921,390.9	1,099,424,408.2
2044	2	0.000	0.058184465	51,336,761.0	742,537,566.3	137,510.6	51,336,761.0	830,973,679.3
2044	3	0.000	0.058184465	47,989,068.8	556,418,330.6	1,880,338.8	47,989,068.8	776,785,528.5
2044	4	0.000	0.058184465	46,508,447.5	276,052,431.2	14,754,908.5	46,508,447.5	752,819,129.5
2044	5	0.000	0.058184465	43,300,245.5	64,537,430.4	48,208,687.7	43,300,245.5	700,888,867.6
2044	6	0.000	0.058184465	46,783,274.4	7,895,937.1	147,698,835.4	46,783,274.4	757,267,675.5

Kentucky Power Company
 Residential Model Output Data

Year	Month	X-Missing	Lighting Share	Lighting Use	Heating Use	Cooling Use	Lighting Use	Other Use
2044	7	0.000	0.058184465	50,970,148.7	16,106.3	301,530,588.5	50,970,148.7	825,039,429.5
2044	8	0.000	0.058184465	49,775,811.9	0.0	338,899,890.4	49,775,811.9	805,707,035.6
2044	9	0.000	0.058184465	48,556,258.0	178,044.9	273,459,298.2	48,556,258.0	785,966,460.0
2044	10	0.000	0.058184465	43,345,153.7	23,875,932.0	93,739,988.7	43,345,153.7	701,615,784.3
2044	11	0.000	0.058184465	45,379,546.6	178,721,926.3	12,935,742.3	45,379,546.6	734,545,927.9
2044	12	0.000	0.058184465	60,001,187.5	464,609,843.5	1,300,256.3	60,001,187.5	971,222,308.2
2045	1	0.000	0.057204554	66,884,493.2	688,704,900.1	194,815.0	66,884,493.2	1,102,331,749.2
2045	2	0.000	0.057204554	50,568,579.0	739,949,784.3	137,696.3	50,568,579.0	833,427,114.5
2045	3	0.000	0.057204554	47,277,372.7	554,470,180.5	1,882,852.5	47,277,372.7	779,184,329.9
2045	4	0.000	0.057204554	45,826,207.4	275,082,937.2	14,774,506.2	45,826,207.4	755,267,491.0
2045	5	0.000	0.057204554	42,672,610.1	64,310,289.4	48,272,475.0	42,672,610.1	703,292,656.8
2045	6	0.000	0.057204554	46,103,129.3	7,868,083.3	147,893,511.7	46,103,129.3	759,831,476.7
2045	7	0.000	0.057204554	50,220,013.8	16,049.4	301,926,973.7	50,220,013.8	827,682,368.3
2045	8	0.000	0.057204554	49,041,598.6	0.0	339,344,888.5	49,041,598.6	808,260,759.0
2045	9	0.000	0.057204554	47,842,766.9	177,412.9	273,816,553.2	47,842,766.9	788,502,662.9
2045	10	0.000	0.057204554	42,714,746.4	23,790,991.0	93,862,041.3	42,714,746.4	703,987,111.7
2045	11	0.000	0.057204554	44,710,728.7	178,084,199.7	12,952,495.4	44,710,728.7	736,883,146.3
2045	12	0.000	0.057204554	59,093,685.5	462,947,945.6	1,301,933.7	59,093,685.5	973,930,467.3
2046	1	0.000	0.056351371	65,994,764.7	686,312,108.7	195,063.7	65,994,764.7	1,105,134,941.0
2046	2	0.000	0.056351371	49,911,387.4	737,370,116.3	137,871.0	49,911,387.4	835,805,967.5
2046	3	0.000	0.056351371	46,669,352.4	552,530,711.3	1,885,226.2	46,669,352.4	781,515,507.2
2046	4	0.000	0.056351371	45,244,100.7	274,116,571.4	14,792,958.6	45,244,100.7	757,648,531.4
2046	5	0.000	0.056351371	42,137,541.4	64,083,322.6	48,332,135.5	42,137,541.4	705,626,719.5
2046	6	0.000	0.056351371	45,522,713.4	7,840,216.1	148,074,905.9	45,522,713.4	762,314,123.6
2046	7	0.000	0.056351371	49,578,662.5	15,992.4	302,294,433.6	49,578,662.5	830,234,224.4
2046	8	0.000	0.056351371	48,413,620.8	0.0	339,754,288.7	48,413,620.8	810,724,671.4
2046	9	0.000	0.056351371	47,233,280.1	176,778.1	274,144,904.3	47,233,280.1	790,958,925.2
2046	10	0.000	0.056351371	42,177,396.7	23,705,591.4	93,973,807.7	42,177,396.7	706,294,128.5
2046	11	0.000	0.056351371	44,139,799.4	177,442,458.5	12,967,777.1	44,139,799.4	739,156,125.4
2046	12	0.000	0.056351371	58,316,104.4	461,274,370.8	1,303,458.5	58,316,104.4	976,549,653.1
2047	1	0.000	0.055616051	65,245,611.5	683,975,439.3	195,307.9	65,245,611.5	1,107,897,938.1
2047	2	0.000	0.055616051	49,360,930.1	734,857,688.1	138,043.4	49,360,930.1	838,169,364.1
2047	3	0.000	0.055616051	46,161,142.5	550,645,950.9	1,887,577.7	46,161,142.5	783,835,624.9

Kentucky Power Company
 Residential Model Output Data

Year	Month	X-Missing	Lighting Share	Lighting Use	Heating Use	Cooling Use	Lighting Use	Other Use
2047	4	0.000	0.055616051	44,759,165.0	273,181,999.0	14,811,453.0	44,759,165.0	760,029,455.4
2047	5	0.000	0.055616051	41,693,039.7	63,864,600.5	48,392,430.1	41,693,039.7	707,965,358.5
2047	6	0.000	0.055616051	45,039,809.4	7,813,434.3	148,259,341.3	45,039,809.4	764,794,916.2
2047	7	0.000	0.055616051	49,043,262.0	15,937.6	302,669,544.1	49,043,262.0	832,775,225.9
2047	8	0.000	0.055616051	47,889,588.5	0.0	340,174,933.4	47,889,588.5	813,185,364.8
2047	9	0.000	0.055616051	46,725,574.4	176,170.7	274,481,510.0	46,725,574.4	793,419,915.0
2047	10	0.000	0.055616051	41,731,725.5	23,623,901.5	94,088,365.5	41,731,725.5	708,622,259.8
2047	11	0.000	0.055616051	43,665,403.9	176,829,424.1	12,983,484.9	43,665,403.9	741,456,932.3
2047	12	0.000	0.055616051	57,665,489.6	459,673,968.4	1,305,019.5	57,665,489.6	979,184,278.9
2048	1	0.000	0.054958599	64,588,897.5	681,779,176.5	195,569.0	64,588,897.5	1,110,639,332.6
2048	2	0.000	0.054958599	48,880,279.8	732,487,456.7	138,226.4	48,880,279.8	840,521,566.9
2048	3	0.000	0.054958599	45,718,179.8	548,862,825.8	1,890,060.9	45,718,179.8	786,147,630.6
2048	4	0.000	0.054958599	44,336,674.9	272,290,140.5	14,830,592.8	44,336,674.9	762,391,942.7
2048	5	0.000	0.054958599	41,306,380.7	63,654,687.3	48,454,038.1	41,306,380.7	710,284,473.5
2048	6	0.000	0.054958599	44,618,481.0	7,787,497.6	148,443,634.3	44,618,481.0	767,237,742.4
2048	7	0.000	0.054958599	48,574,781.4	15,884.3	303,038,004.1	48,574,781.4	835,268,364.7
2048	8	0.000	0.054958599	47,430,381.4	0.0	340,578,125.7	47,430,381.4	815,589,817.0
2048	9	0.000	0.054958599	46,281,077.6	175,569.7	274,799,237.7	46,281,077.6	795,826,946.8
2048	10	0.000	0.054958599	41,342,094.8	23,542,487.6	94,194,249.5	41,342,094.8	710,898,596.7
2048	11	0.000	0.054958599	43,249,265.7	176,213,234.8	12,997,630.5	43,249,265.7	743,693,381.9
2048	12	0.000	0.054958599	57,092,135.7	458,055,687.3	1,306,397.8	57,092,135.7	981,728,655.0
2049	1	0.000	0.054354349	63,995,766.7	679,201,063.9	195,690.2	63,995,766.7	1,113,385,039.4
2049	2	0.000	0.054354349	48,447,747.4	729,705,774.9	138,310.2	48,447,747.4	842,883,833.9
2049	3	0.000	0.054354349	45,320,123.2	546,770,499.2	1,891,185.8	45,320,123.2	788,470,078.1
2049	4	0.000	0.054354349	43,957,596.9	271,244,496.4	14,839,055.1	43,957,596.9	764,765,128.4
2049	5	0.000	0.054354349	40,959,976.7	63,408,729.2	48,480,695.8	40,959,976.7	712,613,155.3
2049	6	0.000	0.054354349	44,240,378.5	7,757,140.5	148,520,653.9	44,240,378.5	769,684,904.8
2049	7	0.000	0.054354349	48,153,210.8	15,821.9	303,187,089.5	48,153,210.8	837,759,546.5
2049	8	0.000	0.054354349	47,016,992.2	0.0	340,734,331.5	47,016,992.2	817,991,852.3
2049	9	0.000	0.054354349	45,881,411.8	174,868.3	274,917,334.6	45,881,411.8	798,235,259.6
2049	10	0.000	0.054354349	40,992,686.9	23,447,590.3	94,231,586.7	40,992,686.9	713,182,240.3
2049	11	0.000	0.054354349	42,875,373.3	175,495,907.8	13,002,300.7	42,875,373.3	745,936,826.9
2049	12	0.000	0.054354349	56,574,607.0	456,173,971.5	1,306,822.0	56,574,607.0	984,273,246.9

Kentucky Power Company
 Residential Model Output Data

Year	Month	X-Missing	Lighting Share	Lighting Use	Heating Use	Cooling Use	Lighting Use	Other Use
2050	1	0.000	0.053816714	63,485,305.8	676,945,676.8	195,896.4	63,485,305.8	1,116,172,489.3
2050	2	0.000	0.053816714	48,078,174.3	727,269,782.9	138,453.9	48,078,174.3	845,290,651.7
2050	3	0.000	0.053816714	44,980,962.3	544,936,390.0	1,893,126.9	44,980,962.3	790,836,746.3
2050	4	0.000	0.053816714	43,635,569.6	270,326,581.3	14,853,903.4	43,635,569.6	767,182,605.4
2050	5	0.000	0.053816714	40,666,603.7	63,192,537.4	48,528,152.9	40,666,603.7	714,983,470.9
2050	6	0.000	0.053816714	43,919,090.7	7,730,413.7	148,661,189.2	43,919,090.7	772,167,357.5
2050	7	0.000	0.053816714	47,792,956.9	15,766.9	303,465,432.8	47,792,956.9	840,276,075.6
2050	8	0.000	0.053816714	46,663,439.7	0.0	341,035,333.3	46,663,439.7	820,417,370.8
2050	9	0.000	0.053816714	45,540,483.2	174,248.0	275,151,870.3	45,540,483.2	800,674,011.8
2050	10	0.000	0.053816714	40,696,267.2	23,363,531.0	94,308,699.1	40,696,267.2	715,505,002.1
2050	11	0.000	0.053816714	42,557,036.6	174,859,436.2	13,012,439.7	42,557,036.6	748,220,282.6
2050	12	0.000	0.053816714	56,130,027.4	454,501,781.3	1,307,794.1	56,130,027.4	986,855,014.2
2051	1	0.000	0.053160263	62,822,679.9	677,383,382.1	196,318.7	62,822,679.9	1,118,937,454.7
2051	2	0.000	0.053160263	47,592,258.9	727,736,495.8	138,751.7	47,592,258.9	847,667,770.5
2051	3	0.000	0.053160263	44,532,891.5	545,284,495.5	1,897,193.3	44,532,891.5	793,177,245.6
2051	4	0.000	0.053160263	43,207,966.6	270,494,863.8	14,885,570.9	43,207,966.6	769,578,951.3
2051	5	0.000	0.053160263	40,275,008.5	63,231,133.4	48,631,042.8	40,275,008.5	717,339,909.1
2051	6	0.000	0.053160263	43,492,822.6	7,734,961.1	148,972,992.0	43,492,822.6	774,652,535.0
2051	7	0.000	0.053160263	47,319,817.7	15,775.9	304,096,155.3	47,319,817.7	842,815,308.3
2051	8	0.000	0.053160263	46,199,920.0	0.0	341,735,457.7	46,199,920.0	822,868,763.2
2051	9	0.000	0.053160263	45,091,706.6	174,339.4	275,711,014.8	45,091,706.6	803,130,326.7
2051	10	0.000	0.053160263	40,302,578.5	23,375,202.7	94,497,960.7	40,302,578.5	717,830,959.6
2051	11	0.000	0.053160263	42,137,171.6	174,941,767.5	13,038,176.1	42,137,171.6	750,506,975.9
2051	12	0.000	0.053160263	55,552,951.2	454,703,514.6	1,310,345.1	55,552,951.2	989,456,004.7
2052	1	0.000	0.052510184	62,167,153.2	677,846,040.0	196,741.1	62,167,153.2	1,121,739,436.8
2052	2	0.000	0.052510184	47,111,522.5	728,226,340.1	139,049.0	47,111,522.5	850,076,768.6
2052	3	0.000	0.052510184	44,089,496.8	545,647,125.9	1,901,245.5	44,089,496.8	795,547,563.4
2052	4	0.000	0.052510184	42,784,704.8	270,668,956.0	14,917,069.9	42,784,704.8	772,003,994.5
2052	5	0.000	0.052510184	39,887,261.7	63,270,754.4	48,733,189.9	39,887,261.7	719,722,749.1
2052	6	0.000	0.052510184	43,070,598.0	7,739,593.3	149,281,927.6	43,070,598.0	777,162,630.0
2052	7	0.000	0.052510184	46,851,044.6	15,785.0	304,719,893.8	46,851,044.6	845,376,724.4
2052	8	0.000	0.052510184	45,740,599.1	0.0	342,426,443.0	45,740,599.1	825,339,929.2
2052	9	0.000	0.052510184	44,646,931.6	174,430.1	276,261,732.8	44,646,931.6	805,605,874.9

Kentucky Power Company
 Residential Model Output Data

Year	Month	X-Missing	Lighting Share	Lighting Use	Heating Use	Cooling Use	Lighting Use	Other Use
2052	10	0.000	0.052510184	39,912,320.7	23,386,664.4	94,683,973.7	39,912,320.7	720,174,913.4
2052	11	0.000	0.052510184	41,720,951.2	175,021,651.4	13,063,414.1	41,720,951.2	752,809,705.8
2052	12	0.000	0.052510184	54,980,944.0	454,896,783.8	1,312,841.5	54,980,944.0	992,072,017.7
2053	1	0.000	0.051866624	61,517,526.5	678,300,848.2	197,158.0	61,517,526.5	1,124,554,019.6
2053	2	0.000	0.051866624	46,634,978.2	728,707,294.8	139,342.4	46,634,978.2	852,497,738.4
2053	3	0.000	0.051866624	43,649,896.0	546,002,723.9	1,905,242.2	43,649,896.0	797,929,773.2
2053	4	0.000	0.051866624	42,364,984.8	270,839,357.7	14,948,123.0	42,364,984.8	774,441,312.4
2053	5	0.000	0.051866624	39,502,670.0	63,309,459.2	48,833,845.9	39,502,670.0	722,117,562.3
2053	6	0.000	0.051866624	42,651,802.7	7,744,106.3	149,586,177.8	42,651,802.7	779,684,407.2
2053	7	0.000	0.051866624	46,386,148.0	15,793.8	305,333,840.4	46,386,148.0	847,949,066.7
2053	8	0.000	0.051866624	45,285,081.8	0.0	343,106,161.8	45,285,081.8	827,821,332.3
2053	9	0.000	0.051866624	44,205,796.0	174,517.7	276,803,161.9	44,205,796.0	808,091,748.4
2053	10	0.000	0.051866624	39,525,180.5	23,397,688.3	94,866,735.5	39,525,180.5	722,529,059.9
2053	11	0.000	0.051866624	41,308,129.5	175,098,121.7	13,088,194.0	41,308,129.5	755,121,761.9
2053	12	0.000	0.051866624	54,413,813.9	455,080,821.3	1,315,290.8	54,413,813.9	994,696,577.7
2054	1	0.000	0.05122966	60,873,622.2	678,755,036.7	197,571.9	60,873,622.2	1,127,375,960.9
2054	2	0.000	0.05122966	46,162,492.3	729,188,406.7	139,633.8	46,162,492.3	854,926,687.3
2054	3	0.000	0.05122966	43,213,991.4	546,359,118.3	1,909,214.1	43,213,991.4	800,320,620.9
2054	4	0.000	0.05122966	41,948,747.4	271,010,540.5	14,978,995.7	41,948,747.4	776,888,375.5
2054	5	0.000	0.05122966	39,121,216.9	63,348,445.1	48,933,965.0	39,121,216.9	724,522,673.0
2054	6	0.000	0.05122966	42,236,468.0	7,748,665.5	149,888,936.5	42,236,468.0	782,216,943.1
2054	7	0.000	0.05122966	45,925,205.1	15,802.7	305,945,021.4	45,925,205.1	850,532,140.9
2054	8	0.000	0.05122966	44,833,477.7	0.0	343,783,051.1	44,833,477.7	830,313,412.8
2054	9	0.000	0.05122966	43,768,443.8	174,606.9	277,342,525.5	43,768,443.8	810,589,046.6
2054	10	0.000	0.05122966	39,141,327.7	23,408,967.7	95,048,856.3	39,141,327.7	724,895,125.0
2054	11	0.000	0.05122966	40,898,913.7	175,176,699.0	13,112,894.2	40,898,913.7	757,445,514.8
2054	12	0.000	0.05122966	53,851,846.5	455,270,809.7	1,317,732.9	53,851,846.5	997,333,082.5

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Actual Usage	Heating Use	Cooling Use	Lighting Use	Other Use
1995	1						
1995	2	1,593,848,406.3	1,596,350,328.2	841,014,523.6	0.0	154,337,550.5	600,998,254.2
1995	3	1,249,709,650.0	1,254,741,611.8	574,998,660.6	0.0	138,321,672.0	541,421,279.2
1995	4	958,034,911.7	968,155,387.3	211,477,673.3	6,691,132.8	151,679,042.4	598,307,538.8
1995	5	885,179,722.1	905,534,412.9	75,695,943.1	27,148,359.2	160,385,624.4	642,304,486.2
1995	6	972,267,073.2	960,439,592.0	4,844,547.5	122,194,400.4	173,279,180.8	660,121,463.4
1995	7	1,189,979,510.5	1,379,927,028.3	0.0	290,513,278.8	184,398,468.4	905,015,281.1
1995	8	1,530,880,050.4	1,533,806,987.2	0.0	453,110,138.8	220,952,287.1	859,744,561.4
1995	9	910,088,640.0	915,975,408.1	602,798.3	356,253,768.9	113,417,428.4	445,701,412.6
1995	10	884,017,768.4	895,857,463.6	15,985,706.5	65,810,571.8	164,462,443.3	649,598,742.0
1995	11	1,383,831,966.8	1,498,882,470.1	241,593,441.2	6,114,862.2	232,915,318.1	1,018,258,848.6
1995	12	1,736,507,137.4	1,967,901,146.6	594,834,826.5	416,828.5	233,967,386.0	1,138,682,105.7
1996	1	2,072,712,147.2	2,076,798,617.9	945,814,610.4	0.0	234,782,578.3	896,201,429.2
1996	2	1,953,010,812.1	1,961,229,679.5	942,816,348.9	0.0	210,468,168.5	807,945,162.1
1996	3	1,557,087,986.6	1,540,773,591.6	646,992,736.4	0.0	189,613,076.9	704,167,778.3
1996	4	1,302,794,736.9	1,352,304,482.7	447,040,722.5	8,022,581.5	176,619,936.6	720,621,242.0
1996	5	986,311,878.4	960,242,182.1	97,599,766.1	80,078,556.7	168,474,120.2	614,089,739.1
1996	6	1,022,063,640.0	988,971,148.6	13,422,946.4	172,362,615.7	174,233,696.4	628,951,890.0
1996	7	1,214,722,355.9	1,190,706,251.2	0.0	330,346,977.1	184,254,490.6	676,104,783.5
1996	8	1,163,178,598.8	1,142,380,692.8	0.0	303,560,612.1	179,096,431.3	659,723,649.5
1996	9	1,106,540,554.5	1,112,761,645.7	0.0	262,730,450.0	175,802,950.5	674,228,245.2
1996	10	850,570,461.1	879,169,425.2	29,795,832.4	48,146,742.5	160,972,547.4	640,254,302.9
1996	11	1,084,743,452.2	1,080,485,228.8	242,961,216.9	6,824,265.5	173,958,659.5	656,741,086.9
1996	12	1,695,299,843.1	1,639,880,269.1	612,399,033.3	1,630,339.9	225,276,443.0	800,574,452.8
1997	1	1,886,245,891.0	1,872,862,109.6	686,413,226.5	865,545.0	252,845,285.4	932,738,052.7
1997	2	1,754,177,296.5	1,697,515,457.7	832,713,339.6	717,478.0	194,172,469.3	669,912,170.8
1997	3	1,298,637,291.8	1,310,969,527.9	457,933,114.0	3,053,516.7	176,648,731.2	673,334,166.0
1997	4	1,128,211,451.8	1,181,396,423.4	292,304,396.5	6,975,280.0	174,810,041.0	707,306,706.0
1997	5	947,236,818.7	971,922,643.2	134,367,316.6	8,021,568.1	169,731,097.9	659,802,660.6
1997	6	941,891,929.7	898,196,542.2	20,283,099.4	59,128,730.0	181,884,910.4	636,899,802.4
1997	7	1,174,566,518.7	1,173,407,879.0	0.0	278,727,508.4	188,919,834.9	705,760,535.7
1997	8	1,222,871,070.2	1,213,288,242.8	0.0	343,216,411.6	185,506,782.9	684,565,048.3
1997	9	1,049,255,831.8	1,055,187,091.3	0.0	186,035,635.1	182,040,986.3	687,110,469.9

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Actual Usage	Heating Use	Cooling Use	Lighting Use	Other Use
1997	10	865,914,699.1	861,173,071.0	21,588,636.5	58,465,303.6	165,726,970.0	615,392,160.9
1997	11	1,123,129,275.0	1,110,993,058.7	294,360,089.8	16,595,502.9	171,275,995.1	628,761,470.9
1997	12	1,677,470,850.8	1,748,100,828.4	589,709,022.5	0.0	229,393,655.1	928,998,150.8
1998	1	1,906,060,944.9	1,816,033,319.3	639,456,052.8	0.0	269,830,929.6	906,746,336.9
1998	2	1,594,188,162.0	1,553,672,256.1	675,860,780.3	0.0	195,635,697.2	682,175,778.7
1998	3	1,389,191,819.3	1,393,328,817.6	541,383,213.3	38,639.9	180,604,511.7	671,302,452.7
1998	4	1,197,903,174.9	1,159,163,821.8	316,068,353.3	49,014,575.4	177,419,701.0	616,661,192.0
1998	5	839,280,174.0	927,021,092.2	47,222,621.3	27,418,848.8	162,894,659.2	689,484,962.8
1998	6	1,035,685,111.9	1,003,710,299.0	1,046,537.6	157,480,690.1	186,865,161.2	658,317,910.1
1998	7	1,249,069,347.5	1,243,692,577.8	455,649.1	337,787,257.5	194,037,735.7	711,411,935.5
1998	8	1,238,629,355.9	1,250,202,535.7	0.0	349,792,861.9	189,353,111.6	711,056,562.2
1998	9	1,223,440,196.5	1,219,361,559.8	0.0	339,984,633.4	188,206,786.0	691,170,140.4
1998	10	1,009,348,705.7	994,519,240.3	8,789,035.4	207,395,281.4	168,971,623.1	609,363,300.4
1998	11	1,026,731,966.2	1,079,235,975.8	178,981,146.2	15,396,129.5	177,320,521.4	707,538,178.7
1998	12	1,455,495,816.6	1,459,519,909.4	339,391,973.4	3,239,930.8	237,078,749.6	879,809,255.6
1999	1	2,148,904,021.7	1,996,281,053.4	889,069,861.7	1,423,057.9	269,391,422.7	836,396,711.2
1999	2	1,505,911,232.5	1,466,155,153.4	618,984,996.0	0.0	189,866,666.2	657,303,491.2
1999	3	1,577,226,425.8	1,560,206,994.7	740,171,658.1	0.0	179,190,547.8	640,844,788.8
1999	4	1,215,612,594.7	1,223,541,450.5	382,900,629.1	11,390,740.2	175,822,426.4	653,427,654.8
1999	5	869,020,450.0	866,545,204.6	45,999,435.9	38,471,372.6	167,950,635.3	614,123,760.8
1999	6	1,024,643,610.5	977,527,859.2	0.0	179,017,608.7	181,025,414.7	617,484,835.8
1999	7	1,309,734,876.9	1,267,808,366.3	0.0	417,685,395.1	190,963,413.0	659,159,558.2
1999	8	1,383,436,928.6	1,387,451,366.7	0.0	519,113,755.9	185,027,968.0	683,309,642.7
1999	9	1,134,373,971.7	1,126,778,698.7	187,585.0	264,042,868.1	186,273,945.0	676,274,300.6
1999	10	864,996,276.2	900,664,947.0	20,852,982.3	54,852,991.4	168,965,481.3	655,993,492.0
1999	11	1,030,284,173.8	1,048,740,561.2	172,630,050.2	3,051,051.8	182,947,160.1	690,112,299.2
1999	12	1,550,013,372.0	1,501,399,041.6	430,503,996.9	0.0	239,656,359.3	831,238,685.4
2000	1	2,034,985,360.5	1,922,441,095.7	797,075,173.4	0.0	266,562,966.2	858,802,956.2
2000	2	1,960,408,512.8	1,921,954,652.8	1,058,999,812.2	0.0	194,103,077.5	668,851,763.1
2000	3	1,260,545,692.3	1,315,910,191.7	410,032,518.0	2,498,773.5	182,605,520.5	720,773,379.7
2000	4	1,099,313,518.7	1,075,373,007.3	226,271,887.6	5,801,700.8	186,745,412.2	656,554,006.6
2000	5	944,037,935.6	998,023,787.9	84,397,451.3	63,294,294.5	171,479,647.5	678,852,394.7
2000	6	1,058,215,258.4	1,048,146,689.2	191,513.6	175,983,377.3	189,932,435.4	682,039,362.9

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Actual Usage	Heating Use	Cooling Use	Lighting Use	Other Use
2000	7	1,257,010,344.7	1,220,915,630.4	0.0	323,552,661.5	201,004,282.4	696,358,686.4
2000	8	1,177,234,059.5	1,185,966,961.3	0.0	284,908,522.4	192,147,172.3	708,911,266.7
2000	9	1,143,304,886.0	1,146,883,663.9	978,353.2	248,659,563.0	192,436,027.1	704,809,720.7
2000	10	955,245,719.2	981,004,259.7	54,266,957.1	86,290,775.2	175,429,242.4	665,017,285.0
2000	11	1,068,298,399.8	1,034,520,178.6	185,471,889.2	11,947,100.8	187,529,112.4	649,572,076.2
2000	12	1,922,610,299.7	1,842,378,621.1	819,092,822.8	0.0	237,623,775.1	785,662,023.1
2001	1	2,455,873,454.8	2,442,094,256.8	1,230,209,203.3	0.0	264,728,226.5	947,156,827.1
2001	2	1,913,369,224.8	1,814,615,610.7	960,702,544.9	0.0	205,764,148.1	648,148,917.6
2001	3	1,517,998,311.5	1,520,046,059.2	667,723,647.5	0.0	183,648,746.8	668,673,664.9
2001	4	1,352,252,693.3	1,325,045,263.9	456,534,167.9	47,806,014.9	183,138,551.0	637,566,529.9
2001	5	968,582,423.5	979,761,380.4	70,048,874.8	106,675,140.3	171,031,562.5	632,005,802.7
2001	6	988,152,518.2	977,736,682.2	4,155,736.5	115,075,814.8	187,676,116.2	670,829,014.6
2001	7	1,219,536,062.2	1,193,277,616.7	0.0	287,238,808.1	201,364,605.6	704,674,203.0
2001	8	1,317,414,033.7	1,290,724,565.9	0.0	416,857,722.7	194,508,956.9	679,357,886.3
2001	9	1,215,472,214.2	1,220,538,371.8	199,723.3	326,993,981.0	191,857,104.6	701,487,562.9
2001	10	936,330,746.5	976,700,738.2	41,114,404.1	79,457,409.9	176,193,778.3	679,935,145.8
2001	11	1,104,029,131.0	1,151,266,076.8	197,295,476.0	23,393,704.4	190,790,437.3	739,786,459.1
2001	12	1,413,942,097.6	1,414,092,324.5	256,357,816.4	738,840.9	249,864,219.6	907,131,447.6
2002	1	2,167,689,680.9	2,073,169,675.9	870,321,941.1	0.0	281,923,945.7	920,923,789.1
2002	2	1,666,989,799.2	1,672,431,977.0	717,478,946.0	0.0	206,333,052.7	748,619,978.4
2002	3	1,549,918,000.9	1,604,873,500.7	640,813,079.7	1,479,121.7	197,231,238.9	765,350,060.5
2002	4	1,273,120,618.8	1,295,819,825.4	342,273,614.7	22,504,948.0	197,386,884.7	733,654,378.0
2002	5	1,005,762,354.2	946,106,018.9	90,809,926.0	63,987,504.4	184,918,571.4	606,390,017.1
2002	6	1,089,337,978.1	1,103,276,437.5	52,582,000.6	168,811,925.3	188,608,213.7	693,274,298.0
2002	7	1,332,480,381.8	1,356,212,003.1	0.0	386,036,239.7	205,666,642.3	764,509,121.0
2002	8	1,431,111,925.6	1,425,290,539.7	0.0	492,190,977.2	204,031,817.9	729,067,744.6
2002	9	1,351,717,790.0	1,301,868,519.2	0.0	432,947,482.6	199,652,991.4	669,268,045.2
2002	10	1,002,876,340.6	1,006,367,078.6	19,621,201.2	174,832,932.1	175,673,844.4	636,239,100.9
2002	11	1,127,948,868.9	1,119,831,951.3	241,965,442.9	17,409,850.6	188,745,011.9	671,711,645.8
2002	12	1,861,443,642.3	1,840,687,068.1	727,516,909.4	2,304,944.3	245,906,592.2	864,958,622.2
2003	1	2,152,238,419.5	2,194,397,728.1	873,000,399.1	0.0	275,259,170.2	1,046,138,158.8
2003	2	2,222,153,064.7	2,098,001,263.4	1,211,496,353.0	0.0	217,467,369.9	669,037,540.4
2003	3	1,692,274,400.7	1,707,984,851.4	816,606,569.7	0.0	188,421,229.4	702,957,052.3

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Actual Usage	Heating Use	Cooling Use	Lighting Use	Other Use
2003	4	1,109,812,498.4	1,143,625,004.3	214,948,100.0	19,171,590.1	188,426,603.9	721,078,710.3
2003	5	938,268,964.9	934,722,031.2	46,532,423.5	47,800,949.2	181,593,266.6	658,795,392.0
2003	6	957,890,863.0	947,952,593.0	0.0	64,861,006.6	192,157,091.4	690,934,494.9
2003	7	1,222,041,776.4	1,211,800,499.5	0.0	272,306,148.7	204,358,717.2	735,135,633.7
2003	8	1,245,491,385.0	1,243,866,913.9	0.0	325,651,363.8	197,925,950.4	720,289,599.7
2003	9	1,233,825,379.6	1,260,932,394.3	0.0	312,339,392.7	198,280,119.9	750,312,881.7
2003	10	949,409,072.6	967,079,428.8	54,001,427.0	45,294,924.8	182,922,426.0	684,860,651.1
2003	11	1,054,174,068.6	1,060,485,719.8	149,106,250.4	10,666,590.1	192,452,175.4	708,260,703.9
2003	12	1,679,274,564.4	1,727,644,432.2	525,921,536.5	1,217,202.2	247,910,042.0	952,595,651.5
2004	1	2,181,923,322.5	2,228,905,324.8	854,432,011.2	957,541.1	282,581,350.4	1,090,934,422.0
2004	2	2,151,565,508.4	2,116,278,744.3	1,108,672,831.0	321,049.5	222,091,065.6	785,193,798.2
2004	3	1,582,049,721.4	1,593,277,528.0	640,690,126.8	2,877,866.9	199,917,589.7	749,791,944.6
2004	4	1,286,399,125.3	1,292,407,886.9	353,030,940.2	15,907,185.3	195,439,704.7	728,030,056.8
2004	5	1,018,484,456.7	1,010,218,988.8	86,552,778.0	87,738,904.9	179,831,934.5	656,095,371.4
2004	6	1,147,565,817.1	1,153,825,211.5	6,022,586.4	241,524,254.8	191,724,163.6	714,554,206.6
2004	7	1,272,353,921.8	1,290,174,059.4	0.0	308,408,526.8	205,341,920.1	776,423,612.5
2004	8	1,252,233,983.7	1,207,890,210.0	0.0	305,520,475.6	201,671,143.0	700,698,591.5
2004	9	1,172,385,212.8	1,160,797,780.4	0.0	267,936,823.4	192,667,727.8	700,193,229.3
2004	10	928,326,238.7	977,278,137.3	14,791,751.2	79,656,936.6	177,634,561.4	705,194,888.1
2004	11	1,012,094,533.2	1,000,907,938.5	94,386,815.9	15,770,582.0	192,132,774.5	698,617,766.1
2004	12	1,597,952,740.7	1,636,977,562.4	436,646,108.0	2,297,603.3	246,894,835.3	951,139,015.7
2005	1	2,058,127,610.7	2,070,072,946.9	739,545,798.1	0.0	278,187,387.0	1,052,339,761.7
2005	2	1,931,995,680.4	1,949,462,576.6	903,963,758.0	0.0	216,888,714.5	828,610,104.1
2005	3	1,729,686,952.2	1,771,887,800.4	764,920,356.1	0.0	203,541,332.0	803,426,112.3
2005	4	1,307,010,615.6	1,308,930,626.7	353,319,535.0	7,118,010.7	199,702,958.4	748,790,122.6
2005	5	983,032,405.8	1,021,337,500.5	101,310,544.0	26,058,046.9	180,523,406.7	713,445,502.9
2005	6	1,097,380,509.6	1,069,231,422.6	13,979,295.6	153,565,743.5	196,171,748.6	705,514,634.9
2005	7	1,398,591,427.9	1,333,320,854.8	0.0	436,106,200.2	203,060,021.0	694,154,633.6
2005	8	1,474,101,230.3	1,460,080,863.3	0.0	556,751,908.5	193,537,487.3	709,791,467.5
2005	9	1,328,894,660.7	1,336,065,753.1	0.0	418,955,998.2	191,974,025.8	725,135,729.1
2005	10	1,036,831,389.2	1,033,743,952.1	8,655,910.0	192,418,204.2	176,323,630.7	656,346,207.3
2005	11	1,126,565,647.8	1,120,136,249.4	219,333,894.1	12,168,634.3	188,835,662.7	699,798,058.3
2005	12	1,895,785,653.6	1,900,439,239.2	746,227,310.9	1,795,821.5	242,148,840.3	910,267,266.6

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Actual Usage	Heating Use	Cooling Use	Lighting Use	Other Use
2006	1	2,088,614,520.5	2,207,723,455.1	747,568,600.7	0.0	273,546,500.5	1,186,608,353.9
2006	2	1,741,207,725.6	1,804,836,407.7	636,218,861.6	0.0	225,395,590.4	943,221,955.7
2006	3	1,764,738,383.1	1,626,827,484.4	726,870,958.6	1,665,396.3	211,364,454.0	686,926,675.6
2006	4	1,274,048,268.0	1,262,415,619.8	371,242,256.7	19,797,142.4	180,116,118.6	691,260,102.2
2006	5	927,356,559.4	940,154,584.1	30,243,095.7	33,160,737.1	176,229,047.3	700,521,703.9
2006	6	1,057,371,446.3	1,057,778,073.8	5,805,196.3	124,783,525.4	189,045,108.2	738,144,243.9
2006	7	1,301,637,117.8	1,271,276,787.1	0.0	307,882,866.4	202,705,957.9	760,687,962.8
2006	8	1,453,111,929.4	1,424,173,576.1	0.0	491,893,690.8	196,069,263.2	736,210,622.1
2006	9	1,263,456,683.3	1,255,081,861.0	1,397,185.8	312,492,713.7	193,692,599.8	747,499,361.7
2006	10	975,900,563.5	971,237,941.1	57,606,859.5	43,885,734.5	178,361,707.4	691,383,639.7
2006	11	1,236,877,631.1	1,232,087,453.7	317,677,574.7	3,029,662.4	186,880,405.4	724,499,811.3
2006	12	1,679,684,196.4	1,774,977,717.7	500,507,687.8	3,163,896.3	239,883,012.1	1,031,423,121.5
2007	1	1,911,462,737.8	1,894,406,857.0	538,427,513.9	346,539.9	270,585,817.3	1,085,046,985.9
2007	2	2,235,300,367.5	2,214,653,079.5	1,086,258,545.4	0.0	226,500,315.9	901,894,218.2
2007	3	1,887,364,995.8	1,845,838,373.9	914,921,414.0	2,658,868.5	191,164,968.7	737,093,122.7
2007	4	1,282,329,551.5	1,270,902,877.7	315,505,203.1	34,583,317.8	183,764,319.0	737,050,037.8
2007	5	1,050,719,313.7	1,045,100,110.5	119,734,831.5	60,306,048.4	171,629,036.1	693,430,194.6
2007	6	1,135,617,773.4	1,145,911,905.3	4,902,148.7	212,406,356.4	181,018,075.6	747,585,324.6
2007	7	1,336,960,288.3	1,271,357,530.7	0.0	346,751,277.0	195,191,027.5	729,415,226.1
2007	8	1,356,004,565.9	1,344,388,712.9	0.0	407,624,204.1	186,945,720.7	749,818,788.1
2007	9	1,396,895,802.7	1,445,614,073.2	0.0	450,332,888.3	186,587,463.6	808,693,721.3
2007	10	1,116,401,940.2	1,068,750,060.7	10,121,701.1	209,231,357.0	176,827,206.2	672,569,796.5
2007	11	1,159,800,249.4	1,140,305,733.8	198,220,461.7	35,573,712.4	182,535,278.2	723,976,281.5
2007	12	1,725,819,947.8	1,690,170,524.8	558,381,769.7	0.0	230,126,624.7	901,662,130.4
2008	1	2,078,987,900.8	2,114,912,301.1	773,621,339.5	0.0	248,930,149.6	1,092,360,812.0
2008	2	1,982,549,582.8	2,006,611,403.7	941,914,547.5	0.0	198,446,507.4	866,250,348.8
2008	3	1,794,941,665.0	1,805,065,064.2	804,816,019.6	0.0	188,814,492.6	811,434,552.0
2008	4	1,330,724,452.6	1,341,179,216.3	363,043,077.5	1,708,741.7	184,208,573.5	792,218,823.7
2008	5	989,372,429.6	961,256,323.1	80,678,603.1	22,284,651.1	169,036,020.4	689,257,048.5
2008	6	1,061,044,601.2	1,065,972,952.5	5,468,908.6	131,253,933.8	176,265,855.5	752,984,254.6
2008	7	1,263,550,130.8	1,245,205,919.8	0.0	271,862,913.3	189,112,280.6	784,230,725.9
2008	8	1,306,605,600.8	1,302,137,681.5	0.0	331,888,927.5	185,876,040.1	784,372,713.9
2008	9	1,271,208,382.0	1,237,861,165.8	0.0	310,428,878.7	183,218,256.5	744,214,030.6

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Actual Usage	Heating Use	Cooling Use	Lighting Use	Other Use
2008	10	986,142,211.3	992,899,481.5	13,099,565.4	118,482,751.2	162,962,441.9	698,354,723.0
2008	11	1,178,521,555.4	1,204,822,669.8	257,545,759.9	7,663,895.8	174,166,302.8	765,446,711.4
2008	12	2,018,821,068.6	2,004,950,168.6	835,799,598.1	0.0	225,599,245.7	943,551,324.8
2009	1	2,245,250,678.2	2,244,456,669.8	919,043,454.6	0.0	246,175,347.2	1,079,237,867.9
2009	2	2,162,470,149.4	2,229,732,803.4	1,123,490,975.1	0.0	192,859,045.3	913,382,783.0
2009	3	1,724,639,178.7	1,700,254,596.7	726,307,178.4	4,848,687.7	184,413,940.1	784,684,790.5
2009	4	1,223,047,185.6	1,269,251,033.0	278,142,133.9	3,661,383.5	174,717,029.7	812,730,486.0
2009	5	1,049,153,530.6	1,006,668,358.8	72,032,138.4	70,270,652.5	168,332,890.8	696,032,677.1
2009	6	1,065,026,026.6	1,054,682,149.7	6,945,704.5	140,821,408.7	170,264,893.4	736,650,143.1
2009	7	1,220,328,481.2	1,213,794,441.9	0.0	241,110,291.9	181,765,996.6	790,918,153.4
2009	8	1,216,365,138.8	1,187,851,010.7	0.0	250,033,229.5	179,373,999.1	758,443,782.1
2009	9	1,178,843,867.3	1,181,452,121.3	0.0	241,098,828.7	174,067,601.5	766,285,691.2
2009	10	1,013,027,960.3	1,004,137,336.3	50,638,196.4	86,252,284.4	162,631,785.1	704,615,070.4
2009	11	1,119,253,987.3	1,149,238,021.2	201,771,194.9	3,550,111.1	169,647,466.2	774,269,249.0
2009	12	1,729,277,192.4	1,653,206,192.2	532,578,338.0	230,071.2	222,092,832.0	898,304,950.9
2010	1	2,383,355,052.1	2,438,469,823.7	1,094,677,777.6	0.0	208,912,924.4	1,134,879,121.7
2010	2	2,108,157,992.0	2,121,714,378.1	1,081,923,095.6	0.0	166,367,280.3	873,424,002.2
2010	3	1,873,832,045.1	1,945,592,070.6	894,125,375.6	0.0	158,824,392.6	892,642,302.4
2010	4	1,217,340,298.4	1,218,668,892.7	208,512,585.3	27,850,221.4	159,030,411.0	823,275,675.0
2010	5	987,624,885.1	945,395,138.8	54,097,556.8	43,692,126.4	144,254,948.8	703,350,506.8
2010	6	1,136,093,638.2	1,164,318,712.7	8,746,496.7	212,542,187.0	148,302,901.1	794,727,127.9
2010	7	1,375,739,664.4	1,429,758,865.0	0.0	377,938,923.2	161,757,699.1	890,062,242.7
2010	8	1,444,750,542.7	1,489,051,092.2	0.0	441,060,358.5	162,712,461.7	885,278,272.0
2010	9	1,302,344,149.1	1,288,807,601.6	0.0	313,977,781.0	160,228,253.0	814,601,567.6
2010	10	1,018,844,972.9	1,008,016,131.2	16,957,443.1	117,110,780.5	143,434,901.7	730,513,005.9
2010	11	1,097,418,396.4	1,081,280,184.2	180,434,978.7	11,273,759.5	146,828,424.1	742,743,021.9
2010	12	1,902,877,689.1	1,914,121,373.7	735,388,178.5	0.0	189,266,663.4	989,466,531.8
2011	1	2,451,381,613.2	2,583,180,891.9	1,179,867,940.5	0.0	195,612,534.9	1,207,700,416.5
2011	2	2,115,883,960.2	2,029,311,108.0	1,074,447,700.2	0.0	160,216,906.1	794,646,501.7
2011	3	1,478,238,523.8	1,497,373,823.2	562,643,168.4	1,781,998.5	140,583,110.5	792,365,545.8
2011	4	1,262,176,114.2	1,237,322,480.4	359,487,579.9	17,100,573.1	136,240,851.9	724,493,475.5
2011	5	959,987,374.3	964,228,311.9	69,472,837.6	51,234,077.5	129,116,801.2	714,404,595.6
2011	6	1,091,392,303.8	1,139,615,319.9	22,296,128.6	191,322,849.7	135,038,630.7	790,957,710.9

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Actual Usage	Heating Use	Cooling Use	Lighting Use	Other Use
2011	7	1,275,865,641.7	1,273,345,535.3	0.0	299,942,403.0	150,138,235.0	823,264,897.3
2011	8	1,392,527,026.1	1,446,915,636.9	0.0	444,698,026.6	145,816,153.8	856,401,456.5
2011	9	1,213,015,816.2	1,195,311,998.4	248,518.6	265,883,761.5	145,670,701.5	783,509,016.7
2011	10	933,901,585.8	922,740,827.3	43,666,650.4	47,347,127.8	129,671,763.8	702,055,285.3
2011	11	1,089,706,744.3	1,121,424,115.5	217,919,509.4	1,093,764.8	133,949,449.7	768,461,391.6
2011	12	1,544,682,918.1	1,549,999,788.0	398,209,958.1	1,641,463.2	176,123,462.8	974,024,903.9
2012	1	1,977,012,376.9	1,936,457,076.3	694,443,686.5	0.0	192,734,241.6	1,049,279,148.2
2012	2	1,707,325,421.3	1,721,183,448.9	725,624,451.5	0.0	147,522,228.9	848,036,768.6
2012	3	1,455,628,788.0	1,409,422,938.4	519,841,292.0	9,779,904.6	139,153,070.0	740,648,671.8
2012	4	1,025,154,903.1	977,120,699.8	109,595,388.9	40,818,321.5	131,449,162.6	695,257,826.8
2012	5	943,958,652.6	970,622,977.5	74,533,530.6	59,444,960.3	121,717,389.0	714,927,097.6
2012	6	1,067,365,347.4	1,095,117,537.0	376,133.0	175,359,993.0	133,986,961.5	785,394,449.5
2012	7	1,371,367,627.6	1,374,144,445.2	0.0	392,222,007.2	147,138,231.2	834,784,206.7
2012	8	1,325,781,797.4	1,329,610,153.2	0.0	384,778,388.4	141,406,522.5	803,425,242.3
2012	9	1,204,464,282.8	1,199,271,521.1	895,364.2	270,278,678.7	140,247,448.7	787,850,029.6
2012	10	956,775,240.4	940,817,771.8	59,125,397.5	64,714,419.8	125,166,923.4	691,811,031.1
2012	11	1,189,703,783.5	1,183,200,730.2	308,614,243.1	8,344,324.6	131,149,223.0	735,092,939.5
2012	12	1,628,545,177.7	1,657,436,622.2	504,229,789.9	0.0	168,953,191.5	984,253,640.8
2013	1	2,068,331,129.3	1,989,467,918.3	787,129,874.4	0.0	174,607,232.6	1,027,730,811.3
2013	2	1,850,916,001.5	1,890,739,839.5	910,254,337.8	0.0	128,197,134.8	852,288,366.9
2013	3	1,722,294,811.4	1,766,153,678.4	793,564,195.7	0.0	126,571,123.8	846,018,358.8
2013	4	1,454,779,795.6	1,476,357,193.2	513,914,364.3	18,951,238.9	125,642,154.4	817,849,435.6
2013	5	963,665,340.7	925,592,889.9	62,211,531.8	50,938,687.0	115,911,603.4	696,531,067.7
2013	6	1,076,087,066.7	1,059,271,380.2	10,884,114.4	186,785,739.3	119,714,212.0	741,887,314.4
2013	7	1,263,435,038.3	1,254,262,697.7	0.0	325,707,290.5	127,797,289.0	800,758,118.2
2013	8	1,228,710,780.1	1,222,492,848.7	0.0	305,096,550.2	125,873,842.3	791,522,456.2
2013	9	1,170,671,139.7	1,156,875,156.7	0.0	264,341,807.8	123,518,187.2	769,015,161.6
2013	10	942,009,355.7	925,313,385.6	15,160,770.1	104,264,068.0	112,105,108.9	693,783,438.6
2013	11	1,127,148,576.0	1,121,631,236.2	255,482,278.6	15,064,946.7	116,741,059.0	734,342,951.8
2013	12	1,809,236,014.9	1,809,375,873.4	690,104,903.2	447,638.9	152,458,659.1	966,364,672.2
2014	1	2,171,738,805.3	2,308,763,001.6	903,305,635.8	847,533.3	166,355,732.6	1,238,254,099.9
2014	2	2,237,266,617.8	2,318,955,621.7	1,201,731,187.1	0.0	135,901,867.5	981,322,567.1
2014	3	1,851,088,553.5	1,830,617,039.8	857,652,217.5	0.0	130,376,855.6	842,587,966.7

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Actual Usage	Heating Use	Cooling Use	Lighting Use	Other Use
2014	4	1,311,932,526.9	1,268,237,621.6	411,812,369.2	6,610,376.8	117,262,668.4	732,552,207.2
2014	5	922,259,717.6	946,682,966.7	51,008,063.7	35,967,760.1	109,621,204.4	750,085,938.5
2014	6	1,039,476,206.0	1,060,301,158.1	14,065,446.1	138,727,952.2	116,366,708.4	791,141,051.4
2014	7	1,249,927,247.6	1,238,168,389.3	0.0	293,442,316.9	125,527,417.5	819,198,654.9
2014	8	1,142,402,334.8	1,112,124,329.2	0.0	207,667,076.3	122,673,028.4	781,784,224.5
2014	9	1,140,566,118.2	1,165,669,026.2	0.0	241,779,045.7	117,955,251.0	805,934,729.5
2014	10	913,080,979.0	881,608,022.0	25,576,690.6	61,411,506.7	108,414,978.8	686,204,845.9
2014	11	1,145,009,947.8	1,115,491,458.0	286,928,019.8	5,751,750.9	111,858,328.9	710,953,358.4
2014	12	1,854,853,360.5	1,735,077,353.9	733,970,053.0	18,418.7	147,100,357.1	853,988,525.1
2015	1	2,051,104,378.7	2,047,111,752.7	855,426,162.1	0.0	145,342,167.9	1,046,343,422.7
2015	2	2,007,008,715.6	2,097,411,237.8	1,067,964,200.4	0.0	114,146,735.9	915,300,301.6
2015	3	2,062,096,135.1	2,041,616,647.6	1,116,525,304.7	0.0	114,940,050.3	810,151,292.5
2015	4	1,176,472,654.2	1,153,793,972.4	315,213,521.2	5,052,225.9	104,077,306.3	729,450,918.9
2015	5	901,756,245.3	912,350,444.7	76,600,625.4	54,553,877.3	93,671,463.0	687,524,479.1
2015	6	1,048,754,784.4	1,088,662,754.9	2,648,663.5	202,888,649.5	102,498,359.2	780,627,082.8
2015	7	1,223,578,311.8	1,230,037,563.0	0.0	288,579,553.5	113,654,948.8	827,803,060.7
2015	8	1,193,230,110.6	1,242,789,121.3	0.0	301,547,474.1	108,389,603.2	832,852,044.0
2015	9	1,127,687,550.3	1,132,635,924.8	0.0	229,965,408.7	109,123,742.8	793,546,773.3
2015	10	899,168,940.0	902,084,847.4	25,315,718.7	72,433,266.1	97,417,609.6	706,918,253.1
2015	11	976,389,340.9	928,910,552.8	146,406,375.4	5,009,589.5	100,280,675.2	677,213,912.7
2015	12	1,412,646,791.4	1,367,669,687.7	359,194,575.3	1,034,030.0	127,928,014.9	879,513,067.5
2016	1	1,768,489,597.6	1,760,428,969.9	584,737,618.9	0.0	137,412,176.4	1,038,279,174.6
2016	2	1,873,361,073.3	1,939,360,432.8	974,783,321.5	0.0	104,308,610.9	860,268,500.4
2016	3	1,441,209,348.3	1,454,493,920.0	549,252,083.8	1,284,276.8	103,391,010.9	800,566,548.6
2016	4	1,067,104,041.3	1,049,837,537.2	196,236,538.8	9,508,866.2	99,988,145.3	744,103,986.9
2016	5	884,055,453.3	847,205,376.0	65,010,788.1	50,031,148.7	89,268,548.5	642,894,890.8
2016	6	994,339,786.5	1,017,889,044.1	15,162,305.2	168,924,897.4	94,055,657.7	739,746,183.8
2016	7	1,220,646,152.1	1,244,159,627.8	0.0	315,503,131.4	105,070,719.7	823,585,776.6
2016	8	1,317,833,660.1	1,351,460,101.9	0.0	422,644,355.0	103,915,273.5	824,900,473.3
2016	9	1,277,281,023.0	1,291,872,972.9	0.0	389,500,912.0	103,055,200.2	799,316,860.7
2016	10	984,155,201.1	955,985,437.1	2,531,525.0	185,643,432.7	92,398,897.4	675,411,582.1
2016	11	928,330,529.0	878,726,052.1	83,096,961.9	44,557,007.0	92,944,054.7	658,128,028.4
2016	12	1,531,027,981.5	1,511,606,955.6	489,207,032.7	1,843,342.8	120,722,574.3	899,834,005.8

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Actual Usage	Heating Use	Cooling Use	Lighting Use	Other Use
2017	1	1,832,182,110.0	1,795,656,110.8	651,239,468.3	0.0	132,075,811.8	1,012,340,830.8
2017	2	1,433,434,998.5	1,430,637,908.6	542,912,959.4	0.0	99,595,371.6	788,129,577.5
2017	3	1,266,477,988.2	1,279,141,028.1	425,090,676.3	604,756.7	94,032,542.0	759,413,053.1
2017	4	1,090,812,880.5	1,041,345,275.1	262,970,330.6	14,296,305.8	90,986,451.7	673,092,186.9
2017	5	844,582,543.6	823,762,664.7	35,812,101.7	75,406,722.6	82,018,893.3	630,524,947.1
2017	6	952,689,064.1	945,270,903.7	8,645,244.6	142,007,818.2	89,699,154.1	704,918,686.9
2017	7	1,172,700,999.6	1,174,322,735.9	0.0	285,513,670.3	99,222,419.9	789,586,645.6
2017	8	1,178,068,668.9	1,200,981,991.3	0.0	304,820,383.2	97,663,486.9	798,498,121.2
2017	9	1,049,628,174.3	1,027,826,605.5	0.0	181,183,771.1	97,126,224.0	749,516,610.5
2017	10	902,711,243.1	876,448,216.3	4,726,425.7	133,620,842.2	85,485,940.6	652,615,007.8
2017	11	1,009,288,321.5	964,994,252.3	191,115,142.0	24,262,896.9	88,790,379.3	660,825,834.1
2017	12	1,553,573,703.1	1,547,220,087.3	517,224,841.1	911,834.1	115,802,564.1	913,280,848.0
2018	1	2,185,319,963.8	2,273,191,743.2	1,003,486,285.6	1,866,852.0	128,466,732.7	1,139,371,872.9
2018	2	1,769,284,906.1	1,818,969,841.8	813,739,673.1	3,150,871.2	103,690,196.4	898,389,101.2
2018	3	1,322,315,886.7	1,272,795,414.4	452,595,897.4	6,326,197.3	94,000,421.9	719,872,897.8
2018	4	1,242,971,589.5	1,297,164,601.9	434,442,213.6	7,285,726.6	87,233,938.7	768,202,723.1
2018	5	939,701,238.6	938,935,479.1	106,570,666.4	79,107,203.7	82,092,916.8	671,164,692.1
2018	6	1,083,616,751.7	1,120,162,737.0	1,438,762.9	266,770,537.4	88,775,996.7	763,177,439.9
2018	7	1,244,521,723.5	1,279,267,643.9	0.0	357,545,078.7	96,567,961.9	825,154,603.3
2018	8	1,201,443,312.5	1,198,491,954.7	0.0	326,491,904.0	95,258,736.3	776,741,314.4
2018	9	1,167,860,974.1	1,197,792,385.9	0.0	329,962,716.8	91,224,642.1	776,605,026.9
2018	10	987,379,498.3	989,769,908.7	27,198,956.3	206,879,688.0	82,014,254.4	673,677,010.1
2018	11	1,087,058,621.8	1,058,741,299.1	263,051,444.3	30,204,340.5	86,423,833.8	679,061,680.5
2018	12	1,625,155,479.9	1,607,164,752.0	610,588,306.9	167,873.5	110,440,870.7	885,967,700.9
2019	1	1,767,543,544.3	1,758,252,562.5	615,092,861.0	0.0	121,270,058.9	1,021,889,642.6
2019	2	1,688,672,254.1	0.0	820,655,364.7	134,473.4	91,325,514.6	776,556,901.4
2019	3	1,431,374,591.3	614,922,375.2	1,838,922.0	1,838,922.0	85,720,112.4	728,893,181.6
2019	4	1,109,192,058.5	305,065,168.3	14,430,771.7	14,430,771.7	83,098,128.3	706,597,990.1
2019	5	852,348,910.1	71,316,065.9	47,150,481.1	47,150,481.1	77,224,959.6	656,657,403.6
2019	6	944,954,158.0	8,725,399.8	144,463,692.4	144,463,692.4	83,315,839.5	708,449,226.3
2019	7	1,157,586,621.4	17,801.4	294,970,529.2	294,970,529.2	90,769,476.8	771,828,814.0
2019	8	1,174,651,890.7	0.0	331,543,053.5	331,543,053.5	88,718,640.9	754,390,196.3
2019	9	1,091,370,253.1	196,765.8	267,495,027.1	267,495,027.1	86,674,021.6	737,004,438.6

Kentucky Power Company
Residential Model Output Data

Year	Month	Total Usage	Actual Usage	Heating Use	Cooling Use	Lighting Use	Other Use
2019	10	855,168,846.2		26,380,634.6	91,681,226.6	77,564,280.0	659,542,705.0
2019	11	985,055,990.2		197,428,446.4	12,649,999.1	81,549,322.5	693,428,222.1
2019	12	1,542,871,870.2		513,149,522.3	1,271,407.5	108,221,816.3	920,229,124.1
2020	1	1,920,591,967.1		758,001,486.9	188,791.8	115,166,067.4	1,047,235,621.0
2020	2	1,691,015,978.2		814,266,621.8	133,424.5	86,851,568.2	789,764,363.7
2020	3	1,429,618,913.7		609,985,248.5	1,824,109.9	81,025,269.8	736,784,285.6
2020	4	1,106,933,736.9		302,516,293.6	14,310,178.2	78,280,638.7	711,826,626.5
2020	5	850,443,887.5		70,701,670.7	46,745,250.0	72,622,380.8	660,374,586.0
2020	6	942,004,185.8		8,648,260.0	143,193,596.2	78,286,094.2	711,876,235.3
2020	7	1,153,156,268.5		17,642.2	292,352,679.0	85,283,197.2	775,502,750.1
2020	8	1,169,829,470.4		0.0	328,615,008.0	83,344,133.5	757,870,328.9
2020	9	1,086,923,851.7		195,033.9	265,163,126.9	81,397,412.5	740,168,278.4
2020	10	851,954,228.9		26,155,639.4	90,904,322.7	72,810,357.6	662,083,909.1
2020	11	981,058,439.7		195,813,956.6	12,546,419.4	76,555,805.2	696,142,258.4
2020	12	1,536,280,223.2		509,165,269.3	1,261,421.6	101,637,427.3	924,216,105.1
2021	1	1,910,187,503.3		751,209,867.6	187,502.0	110,735,625.4	1,048,054,508.3
2021	2	1,680,885,257.6		807,196,913.3	132,544.9	83,478,228.7	790,077,570.8
2021	3	1,421,597,294.0		604,852,330.2	1,812,487.7	77,876,100.9	737,056,375.2
2021	4	1,101,693,309.9		300,081,399.8	14,223,224.2	75,243,977.3	712,144,708.5
2021	5	847,186,505.0		70,161,197.6	46,476,345.2	69,812,292.9	660,736,669.3
2021	6	938,862,937.0		8,585,731.7	142,419,457.3	75,288,801.6	712,568,946.3
2021	7	1,149,499,487.3		17,517.9	290,825,723.2	82,054,406.3	776,601,839.9
2021	8	1,166,132,975.6		0.0	326,950,421.6	80,193,472.7	758,989,081.3
2021	9	1,083,522,408.6		193,735.3	263,877,439.3	78,307,919.8	741,143,314.2
2021	10	849,160,479.8		25,985,520.6	90,477,012.8	70,017,652.9	662,680,293.5
2021	11	977,455,018.9		194,563,952.3	12,489,010.8	73,620,710.9	696,781,344.9
2021	12	1,530,378,947.9		505,958,340.1	1,255,772.6	97,775,079.9	925,389,755.3
2022	1	1,906,705,798.7		748,999,500.3	187,266.9	108,330,632.4	1,049,188,399.0
2022	2	1,677,413,360.5		804,811,188.2	132,380.1	81,653,261.7	790,816,530.5
2022	3	1,418,864,952.0		603,113,362.1	1,810,385.1	76,175,650.8	737,765,554.0
2022	4	1,099,876,411.9		299,212,273.4	14,206,677.1	73,603,484.6	712,853,976.7
2022	5	846,040,229.7		69,948,429.3	46,418,065.3	68,289,172.8	661,384,562.3
2022	6	937,759,656.5		8,558,211.8	142,221,998.6	73,652,336.4	713,327,109.7

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Actual Usage	Heating Use	Cooling Use	Lighting Use	Other Use
2022	7	1,148,217,698.8		17,459.0	290,385,522.1	80,281,713.2	777,533,004.6
2022	8	1,164,744,858.3		0.0	326,419,845.1	78,457,698.2	759,867,314.9
2022	9	1,082,081,662.4		193,040.8	263,419,477.9	76,599,414.4	741,869,729.3
2022	10	847,772,147.9		25,889,991.7	90,310,653.7	68,466,782.3	663,104,720.1
2022	11	975,366,986.5		193,809,860.6	12,463,739.4	71,978,404.4	697,114,982.1
2022	12	1,526,634,225.9		503,889,293.4	1,252,989.0	95,600,042.2	925,891,901.3
2023	1	1,901,477,208.7		745,290,966.0	186,857.8	106,706,922.9	1,049,292,462.1
2023	2	1,672,054,896.2		800,770,327.6	132,079.5	80,413,538.9	790,738,950.3
2023	3	1,414,414,472.9		599,972,627.5	1,805,943.3	75,012,043.8	737,623,858.3
2023	4	1,096,998,129.7		297,630,872.5	14,170,441.6	72,479,222.0	712,717,593.5
2023	5	844,402,521.2		69,578,787.7	46,298,066.8	67,248,074.0	661,277,592.7
2023	6	936,236,381.5		8,512,737.3	141,847,591.8	72,541,920.4	713,334,132.1
2023	7	1,146,444,227.7		17,366.1	289,613,930.7	79,089,896.2	777,723,034.7
2023	8	1,162,862,193.2		0.0	325,533,092.4	77,291,400.8	760,037,699.9
2023	9	1,080,205,596.6		191,978.1	262,679,494.6	75,445,723.0	741,888,401.0
2023	10	846,074,928.5		25,744,425.1	90,049,317.9	67,410,120.8	662,871,064.7
2023	11	972,782,953.3		192,705,079.6	12,426,905.7	70,859,616.1	696,791,351.8
2023	12	1,521,970,547.9		500,997,398.6	1,249,240.6	94,127,732.2	925,596,176.6
2024	1	1,895,222,472.8		740,737,609.2	186,383.8	105,387,331.3	1,048,911,148.5
2024	2	1,665,669,802.3		795,847,711.4	131,740.4	79,402,638.6	790,287,711.9
2024	3	1,409,425,538.1		596,336,784.5	1,801,427.8	74,070,448.6	737,216,877.3
2024	4	1,094,034,909.3		295,894,522.4	14,137,451.1	71,579,386.6	712,423,549.2
2024	5	842,845,025.4		69,178,527.8	46,193,479.6	66,418,211.0	661,054,807.0
2024	6	934,920,837.6		8,464,674.4	141,540,448.8	71,662,723.2	713,252,991.3
2024	7	1,145,017,799.6		17,269.8	289,011,749.1	78,151,686.7	777,837,093.9
2024	8	1,161,488,226.0		0.0	324,906,123.0	76,379,859.1	760,202,243.9
2024	9	1,078,949,155.9		190,991.2	262,213,034.4	74,550,485.6	741,994,644.7
2024	10	844,913,780.6		25,615,316.4	89,897,948.0	66,594,191.3	662,806,324.9
2024	11	970,873,157.1		191,771,306.6	12,407,548.4	69,999,110.1	696,695,192.0
2024	12	1,518,014,083.8		498,391,413.5	1,246,971.3	92,977,595.5	925,398,103.5
2025	1	1,890,384,943.0		737,087,113.0	186,225.4	104,629,733.1	1,048,481,871.5
2025	2	1,660,692,442.6		791,888,829.8	131,624.3	78,820,573.8	789,851,414.7
2025	3	1,405,486,165.0		593,358,778.1	1,799,812.8	73,526,584.5	736,800,989.6

Kentucky Power Company
Residential Model Output Data

Year	Month	Total Usage	Actual Usage	Heating Use	Cooling Use	Lighting Use	Other Use
2025	4	1,091,497,854.7		294,341,592.9	14,122,227.9	71,050,054.2	711,983,979.8
2025	5	841,574,655.2		68,816,482.0	46,144,329.5	65,930,663.0	660,683,180.7
2025	6	933,837,101.3		8,418,608.4	141,367,536.7	71,142,326.5	712,908,629.6
2025	7	1,143,784,122.0		17,171.9	288,608,269.6	77,594,418.6	777,564,261.9
2025	8	1,160,182,194.2		0.0	324,433,286.4	75,833,236.6	759,915,671.1
2025	9	1,077,592,296.7		189,887.8	261,820,931.9	74,003,307.2	741,578,169.9
2025	10	843,556,400.1		25,468,899.0	89,767,256.5	66,085,496.4	662,234,748.1
2025	11	968,552,299.8		190,679,861.2	12,389,695.4	69,457,505.1	696,025,238.1
2025	12	1,514,159,840.4		495,835,860.4	1,245,682.3	92,286,497.2	924,791,800.4
2026	1	1,885,716,882.4		733,421,224.4	186,133.4	104,053,448.4	1,048,056,076.1
2026	2	1,656,123,045.1		788,092,727.4	131,575.0	78,384,784.7	789,513,957.9
2026	3	1,402,054,920.3		590,591,321.8	1,799,296.7	73,125,307.0	736,538,994.8
2026	4	1,089,652,007.4		293,022,782.9	14,119,850.4	70,672,793.7	711,836,580.3
2026	5	840,862,815.9		68,514,261.4	46,138,865.8	65,588,054.6	660,621,634.1
2026	6	933,588,008.1		8,384,384.8	141,382,945.0	70,791,224.9	713,029,453.3
2026	7	1,143,808,624.6		17,107.1	288,699,739.0	77,228,116.2	777,863,662.2
2026	8	1,160,224,638.2		0.0	324,544,991.0	75,474,898.2	760,204,749.0
2026	9	1,077,555,420.9		189,181.7	261,915,624.5	73,647,901.2	741,802,713.5
2026	10	843,251,169.0		25,374,459.1	89,801,220.1	65,756,565.5	662,318,924.4
2026	11	967,551,473.8		189,997,254.2	12,395,517.4	69,105,757.6	696,052,944.6
2026	12	1,511,949,387.6		494,088,214.2	1,246,310.7	91,816,168.5	924,798,694.2
2027	1	1,883,835,750.3		731,521,508.1	186,466.6	103,643,339.0	1,048,484,436.6
2027	2	1,654,181,640.5		786,076,808.5	131,815.1	78,081,288.8	789,891,728.0
2027	3	1,400,738,807.6		589,127,176.3	1,802,695.1	72,848,952.9	736,959,983.3
2027	4	1,089,221,312.9		292,314,792.7	14,147,390.7	70,415,601.0	712,343,528.5
2027	5	841,112,081.7		68,349,722.5	46,229,991.9	65,357,542.8	661,174,824.4
2027	6	934,232,768.6		8,363,769.1	141,658,338.1	70,546,178.2	713,664,483.3
2027	7	1,144,770,787.7		17,063.7	289,246,066.2	76,959,927.6	778,547,730.3
2027	8	1,161,199,517.4		0.0	325,149,512.6	75,209,552.2	760,840,452.7
2027	9	1,078,376,245.7		188,698.3	262,407,622.5	73,386,092.3	742,393,832.6
2027	10	843,549,870.9		25,308,858.3	89,966,185.8	65,514,291.3	662,760,535.5
2027	11	967,111,016.3		189,484,730.5	12,417,213.5	68,836,829.5	696,372,242.9
2027	12	1,510,437,400.2		492,685,068.1	1,248,362.1	91,442,865.8	925,061,104.3

Kentucky Power Company
Residential Model Output Data

Year	Month	Total Usage	Actual Usage	Heating Use	Cooling Use	Lighting Use	Other Use
2028	1	1,882,279,143.8		729,840,584.3	186,969.5	103,240,230.7	1,049,011,359.3
2028	2	1,652,534,895.0		784,272,406.4	132,170.4	77,783,337.6	790,346,980.7
2028	3	1,399,597,915.4		587,775,947.7	1,807,550.3	72,576,229.1	737,438,188.3
2028	4	1,088,878,473.7		291,644,792.3	14,185,270.4	70,160,110.3	712,888,300.6
2028	5	841,432,502.4		68,191,599.4	46,352,962.7	65,128,205.8	661,759,734.5
2028	6	935,028,410.8		8,344,218.0	142,032,143.3	70,303,794.2	714,348,255.2
2028	7	1,146,021,032.1		17,023.4	290,003,144.9	76,696,554.3	779,304,309.5
2028	8	1,162,500,441.1		0.0	325,994,377.3	74,949,845.8	761,556,218.0
2028	9	1,079,452,036.7		188,243.8	263,085,090.1	73,128,541.0	743,050,161.8
2028	10	843,991,697.7		25,247,577.2	90,196,902.3	65,276,874.9	663,270,343.3
2028	11	966,829,673.1		189,022,164.4	12,448,831.7	68,575,133.3	696,783,543.7
2028	12	1,509,265,424.2		491,470,213.9	1,251,512.5	91,080,981.6	925,462,716.2
2029	1	1,881,895,236.1		727,843,130.5	187,540.3	103,011,106.2	1,050,853,459.1
2029	2	1,651,770,901.6		782,080,806.0	132,567.8	77,629,633.1	791,927,894.7
2029	3	1,399,327,919.2		586,097,965.2	1,812,897.9	72,439,150.2	738,977,905.9
2029	4	1,089,527,141.4		290,796,881.7	14,226,650.3	70,036,455.8	714,467,153.7
2029	5	842,778,005.6		67,989,556.1	46,486,186.2	65,019,088.0	663,283,175.2
2029	6	936,834,430.3		8,318,972.8	142,433,378.2	70,177,373.5	715,904,705.8
2029	7	1,148,257,974.4		16,970.8	290,807,474.3	76,547,264.7	780,886,264.6
2029	8	1,164,765,108.6		0.0	326,879,428.8	74,802,133.0	763,083,546.8
2029	9	1,081,543,431.6		187,634.4	263,782,900.7	72,988,712.0	744,584,184.4
2029	10	845,463,424.6		25,163,942.9	90,430,439.1	65,158,962.1	664,710,080.6
2029	11	967,474,610.5		188,380,908.5	12,480,213.8	68,439,317.6	698,174,170.6
2029	12	1,508,874,665.0		489,767,859.8	1,254,591.8	90,868,621.5	926,983,592.0
2030	1	1,878,652,388.6		725,452,079.9	187,967.2	98,804,780.9	1,054,207,560.5
2030	2	1,648,471,837.0		779,466,843.7	132,862.9	74,456,029.2	794,416,101.3
2030	3	1,396,733,856.4		584,104,383.7	1,816,836.2	69,480,752.3	741,331,884.2
2030	4	1,088,050,349.3		289,791,294.9	14,256,830.6	67,183,294.7	716,818,929.0
2030	5	842,283,596.0		67,750,511.9	46,582,373.8	62,380,087.3	665,570,623.1
2030	6	936,897,196.5		8,289,299.2	142,721,637.7	67,344,742.9	718,541,516.7
2030	7	1,148,723,927.2		16,909.4	291,383,375.8	73,466,407.6	783,857,234.4
2030	8	1,165,242,136.3		0.0	327,513,722.3	71,787,238.9	765,941,175.1
2030	9	1,081,743,433.2		186,939.3	264,284,776.1	70,034,248.7	747,237,469.1

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Actual Usage	Heating Use	Cooling Use	Lighting Use	Other Use
2030	10	845,036,206.6		25,069,704.0	90,599,312.8	62,501,469.3	666,865,720.5
2030	11	966,078,690.4		187,667,709.1	12,503,072.4	65,632,743.4	700,275,165.4
2030	12	1,506,030,470.5		487,892,563.1	1,256,841.6	87,139,319.6	929,741,746.3
2031	1	1,875,500,521.0		722,828,203.5	188,615.4	94,982,871.8	1,057,500,830.4
2031	2	1,645,286,555.3		776,661,476.5	133,322.3	71,577,447.0	796,914,309.4
2031	3	1,394,361,024.2		582,012,835.4	1,823,138.9	66,800,074.2	743,724,975.6
2031	4	1,086,902,596.4		288,759,924.5	14,306,494.6	64,600,489.3	719,235,687.9
2031	5	842,192,077.3		67,510,657.2	46,745,164.0	59,993,452.3	667,942,803.7
2031	6	937,521,420.6		8,260,080.7	143,221,484.2	64,782,107.3	721,257,748.4
2031	7	1,149,983,237.6		16,849.9	292,404,174.9	70,676,679.9	786,885,532.9
2031	8	1,166,586,547.0		0.0	328,661,168.3	69,058,294.4	768,867,084.2
2031	9	1,082,770,750.0		186,285.9	265,212,295.5	67,364,385.1	750,007,783.6
2031	10	845,201,385.2		24,982,343.4	90,917,584.0	60,105,966.5	669,195,491.3
2031	11	965,242,645.0		187,016,256.3	12,547,075.0	63,104,076.8	702,575,236.8
2031	12	1,503,959,109.8		486,205,004.0	1,261,272.3	83,775,074.9	932,717,758.6
2032	1	1,872,662,656.8		719,985,533.0	189,171.4	91,705,823.7	1,060,782,128.8
2032	2	1,642,291,014.5		773,596,491.3	133,713.8	69,113,160.1	799,447,649.2
2032	3	1,392,201,834.5		579,711,077.9	1,828,480.5	64,506,055.4	746,156,220.6
2032	4	1,086,033,895.2		287,613,202.3	14,348,213.2	62,390,250.9	721,682,228.8
2032	5	842,408,946.1		67,241,705.5	46,881,007.1	57,951,225.2	670,335,008.3
2032	6	938,400,487.1		8,227,085.6	143,636,541.0	62,586,346.8	723,950,513.7
2032	7	1,151,386,863.2		16,782.5	293,250,056.5	68,282,365.5	789,837,658.7
2032	8	1,168,042,328.5		0.0	329,610,517.5	66,715,734.1	771,716,076.9
2032	9	1,083,960,248.8		185,537.2	265,976,151.0	65,073,904.2	752,724,656.4
2032	10	845,641,815.2		24,881,817.9	91,179,181.1	58,054,237.8	671,526,578.3
2032	11	964,655,411.9		186,262,234.5	12,583,097.9	60,937,074.4	704,873,005.1
2032	12	1,502,018,811.8		484,240,150.6	1,264,883.6	80,886,080.5	935,627,697.2
2033	1	1,870,338,201.4		717,195,189.2	189,711.4	89,075,221.7	1,063,878,079.2
2033	2	1,639,750,814.9		770,587,936.0	134,093.8	67,139,693.9	801,889,091.1
2033	3	1,390,460,709.3		577,448,431.2	1,833,653.7	62,670,288.3	748,508,336.1
2033	4	1,085,564,521.4		286,488,769.8	14,388,723.1	60,623,592.4	724,063,436.0
2033	5	842,978,941.3		66,978,385.5	47,013,094.0	56,320,338.1	672,667,123.7
2033	6	939,604,043.2		8,194,783.3	144,039,864.4	60,830,827.6	726,538,567.9

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Actual Usage	Heating Use	Cooling Use	Lighting Use	Other Use
2033	7	1,153,091,084.8		16,716.5	294,071,074.4	66,365,141.4	792,638,152.6
2033	8	1,169,786,749.9		0.0	330,529,238.5	64,839,615.6	774,417,895.8
2033	9	1,085,466,797.6		184,802.4	266,714,902.3	63,241,108.9	755,325,984.0
2033	10	846,425,535.9		24,782,885.9	91,431,117.0	56,414,907.8	673,796,625.2
2033	11	964,445,021.0		185,519,035.3	12,617,710.4	59,203,681.0	707,104,594.3
2033	12	1,500,525,102.4		482,301,775.9	1,268,348.7	78,568,221.3	938,386,756.6
2034	1	1,868,158,366.1		714,158,170.5	190,173.6	87,148,554.3	1,066,661,467.7
2034	2	1,637,286,106.5		767,318,354.1	134,419.5	65,699,479.1	804,133,853.8
2034	3	1,388,853,125.7		574,996,372.8	1,838,103.1	61,332,671.8	750,685,977.9
2034	4	1,085,312,539.5		285,271,224.4	14,423,604.3	59,338,579.5	726,279,131.4
2034	5	843,796,273.5		66,693,649.0	47,127,050.4	55,135,867.0	674,839,707.1
2034	6	941,022,041.6		8,159,935.1	144,388,922.5	59,554,256.6	728,918,927.4
2034	7	1,154,952,649.7		16,645.4	294,784,312.5	64,968,214.0	795,183,477.7
2034	8	1,171,688,062.6		0.0	331,332,419.0	63,472,996.4	776,882,647.2
2034	9	1,087,178,467.3		184,018.2	267,364,012.9	61,907,598.5	757,722,837.6
2034	10	847,501,864.5		24,678,006.0	91,654,735.9	55,226,017.1	675,943,105.5
2034	11	964,541,432.6		184,734,866.8	12,648,641.6	57,944,291.3	709,213,632.9
2034	12	1,499,347,217.6		480,267,923.0	1,271,471.3	76,876,156.9	940,931,666.4
2035	1	1,866,951,852.5		711,650,301.1	190,713.3	85,404,525.7	1,069,706,312.4
2035	2	1,635,817,740.0		764,640,878.0	134,803.9	64,401,554.7	806,640,503.4
2035	3	1,388,099,170.4		572,998,833.5	1,843,383.8	60,129,142.7	753,127,810.4
2035	4	1,085,709,608.0		284,285,722.4	14,465,295.8	58,184,741.2	728,773,848.7
2035	5	845,092,645.0		66,464,307.2	47,263,932.2	54,074,317.5	677,290,088.0
2035	6	942,929,771.5		8,131,979.8	144,809,893.4	58,408,716.8	731,579,181.6
2035	7	1,157,364,207.4		16,588.5	295,646,350.3	63,710,932.1	797,990,336.5
2035	8	1,174,148,371.1		0.0	332,304,318.7	62,242,764.6	779,601,287.7
2035	9	1,089,439,366.3		183,393.4	268,150,540.9	60,709,429.5	760,396,002.6
2035	10	849,056,062.2		24,594,291.1	91,924,572.7	54,161,029.4	678,376,169.1
2035	11	965,226,044.3		184,109,330.6	12,685,942.9	56,814,864.3	711,615,906.4
2035	12	1,499,050,288.3		478,639,355.1	1,275,213.1	75,351,039.9	943,784,680.3
2036	1	1,866,605,918.2		709,635,922.3	191,388.0	83,900,546.0	1,072,878,061.8
2036	2	1,635,177,645.5		762,479,192.0	135,280.9	63,286,549.5	809,276,623.2
2036	3	1,388,028,187.0		571,381,301.0	1,849,909.8	59,096,797.5	755,700,178.7

Kentucky Power Company
Residential Model Output Data

Year	Month	Total Usage	Actual Usage	Heating Use	Cooling Use	Lighting Use	Other Use
2036	4	1,086,595,652.9		283,483,070.8	14,516,471.9	57,196,462.4	731,399,647.8
2036	5	846,737,775.7		66,276,312.7	47,430,812.9	53,166,328.7	679,864,321.3
2036	6	945,207,128.1		8,108,936.6	145,320,173.8	57,427,244.5	734,350,773.3
2036	7	1,160,216,570.1		16,541.4	296,685,210.3	62,630,277.1	800,884,541.3
2036	8	1,177,047,639.9		0.0	333,465,975.7	61,184,535.8	782,397,128.3
2036	9	1,092,101,493.2		182,866.3	269,082,864.4	59,679,846.5	763,155,916.0
2036	10	850,932,413.5		24,523,188.6	92,242,339.1	53,248,739.3	680,918,146.4
2036	11	966,264,132.2		183,572,730.7	12,729,461.5	55,844,935.8	714,117,004.1
2036	12	1,499,278,613.9		477,236,253.4	1,279,563.2	74,035,390.5	946,727,406.8
2037	1	1,865,458,474.2		706,912,648.9	191,863.1	82,585,361.5	1,075,768,600.6
2037	2	1,633,646,954.6		759,523,074.2	135,611.5	62,311,382.8	811,676,886.0
2037	3	1,387,228,832.0		569,144,356.1	1,854,363.3	58,193,489.3	758,036,623.3
2037	4	1,087,025,582.5		282,363,856.6	14,550,948.3	56,331,299.7	733,779,478.0
2037	5	848,123,093.2		66,012,747.9	47,542,135.7	52,371,367.6	682,196,842.0
2037	6	947,154,812.3		8,076,437.1	145,656,859.2	56,567,340.3	736,854,175.7
2037	7	1,162,558,641.4		16,474.6	297,363,995.2	61,683,263.0	803,494,908.6
2037	8	1,179,397,174.9		0.0	334,220,043.7	60,257,279.9	784,919,851.4
2037	9	1,094,280,719.1		182,117.5	269,683,372.9	58,777,050.8	765,638,177.9
2037	10	852,512,975.9		24,422,031.6	92,445,493.6	52,448,170.0	683,197,280.7
2037	11	966,916,478.0		182,810,590.7	12,757,164.8	54,993,650.6	716,355,071.9
2037	12	1,498,742,641.2		475,240,978.8	1,282,311.7	72,879,583.8	949,339,767.0
2038	1	1,864,746,896.3		704,406,625.7	192,356.0	81,444,914.7	1,078,702,999.8
2038	2	1,632,571,024.1		756,822,155.4	135,958.3	61,469,936.6	814,142,973.8
2038	3	1,386,828,841.6		567,111,188.7	1,859,072.0	57,415,456.7	760,443,124.1
2038	4	1,087,763,262.4		281,351,563.4	14,587,690.1	55,587,773.0	736,236,236.0
2038	5	849,729,190.1		65,775,087.0	47,661,381.6	51,689,355.4	684,603,366.0
2038	6	949,318,107.2		8,047,226.6	146,019,539.6	55,828,379.2	739,422,962.0
2038	7	1,165,138,065.7		16,414.8	298,099,793.0	60,866,826.0	806,155,031.9
2038	8	1,181,987,563.8		0.0	335,040,935.0	59,457,501.1	787,489,127.6
2038	9	1,096,715,375.7		181,451.2	270,342,714.7	58,000,425.4	768,190,784.3
2038	10	854,337,225.9		24,332,389.6	92,670,312.5	51,762,492.2	685,572,031.5
2038	11	967,887,195.9		182,137,666.2	12,788,047.1	54,263,582.5	718,697,900.2
2038	12	1,498,725,701.1		473,487,597.8	1,285,404.1	71,883,713.4	952,068,985.8

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Actual Usage	Heating Use	Cooling Use	Lighting Use	Other Use
2039	1	1,864,168,586.9		701,968,467.3	192,804.2	80,416,004.3	1,081,591,311.0
2039	2	1,631,625,207.1		754,198,307.4	136,274.2	60,712,360.2	816,578,265.2
2039	3	1,386,554,738.1		565,146,567.4	1,863,396.7	56,716,094.0	762,828,680.0
2039	4	1,088,591,337.6		280,377,535.4	14,621,655.8	54,920,058.3	738,672,088.2
2039	5	851,390,664.8		65,547,778.0	47,772,634.2	51,077,699.6	686,992,553.0
2039	6	951,520,904.4		8,019,510.6	146,362,031.0	55,165,541.2	741,973,821.7
2039	7	1,167,738,845.1		16,358.4	298,801,764.2	60,133,126.2	808,787,596.3
2039	8	1,184,614,286.5		0.0	335,835,346.9	58,739,226.5	790,039,713.1
2039	9	1,099,212,624.3		180,834.6	270,988,914.5	57,304,199.9	770,738,675.4
2039	10	856,260,671.4		24,250,263.3	92,893,945.6	51,150,101.9	687,966,360.6
2039	11	969,027,357.1		181,526,683.6	12,819,168.5	53,611,358.9	721,070,146.0
2039	12	1,499,022,192.8		471,910,330.3	1,288,561.9	70,991,473.0	954,831,827.6
2040	1	1,862,714,935.0		700,089,476.4	193,190.6	76,830,552.5	1,085,601,715.4
2040	2	1,630,094,473.1		752,205,828.0	136,551.8	58,014,716.4	819,737,377.0
2040	3	1,385,619,433.7		563,671,385.1	1,867,247.0	54,202,952.6	765,877,848.9
2040	4	1,088,551,425.1		279,653,053.4	14,652,231.2	52,495,419.7	741,750,720.7
2040	5	852,108,257.3		65,379,917.2	47,873,551.2	48,834,347.8	690,020,441.1
2040	6	952,792,129.4		7,999,112.1	146,673,458.0	52,751,432.0	745,368,127.3
2040	7	1,169,412,607.9		16,317.0	299,440,844.4	57,499,399.7	812,456,046.8
2040	8	1,186,293,674.7		0.0	336,555,722.0	56,163,131.6	793,574,821.1
2040	9	1,100,667,241.4		180,378.4	271,569,238.0	54,787,019.3	774,130,605.8
2040	10	857,112,546.1		24,189,033.9	93,092,490.6	48,898,871.6	690,932,150.0
2040	11	969,154,594.1		181,067,785.0	12,846,499.0	51,239,236.0	724,001,074.0
2040	12	1,498,338,346.1		470,713,703.5	1,291,296.8	67,835,142.1	958,498,203.7
2041	1	1,860,836,766.8		697,537,361.6	193,500.1	73,777,266.8	1,089,328,638.3
2041	2	1,627,985,822.0		749,441,701.3	136,766.9	55,718,480.5	822,688,873.3
2041	3	1,384,241,192.1		561,584,107.6	1,870,141.1	52,063,545.6	768,723,397.7
2041	4	1,088,337,835.3		278,610,675.2	14,674,616.2	50,431,180.3	744,621,363.5
2041	5	852,842,308.2		65,134,842.1	47,945,793.8	46,924,011.0	692,837,661.3
2041	6	954,059,727.4		7,968,978.6	146,892,439.2	50,694,151.4	748,504,158.1
2041	7	1,170,978,866.2		16,255.2	299,882,740.3	55,253,689.1	815,826,181.7
2041	8	1,187,832,569.2		0.0	337,047,530.8	53,966,362.4	796,818,676.0
2041	9	1,102,030,472.3		179,689.6	271,962,881.6	52,640,830.7	777,247,070.4

Kentucky Power Company
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Year	Month	Total Usage	Actual Usage	Heating Use	Cooling Use	Lighting Use	Other Use
2041	10	857,969,873.9		24,096,291.1	93,226,192.1	46,980,193.2	693,667,197.5
2041	11	969,143,459.8		180,370,760.2	12,864,783.1	49,216,812.6	726,691,103.9
2041	12	1,497,155,038.0		468,896,088.7	1,293,122.5	65,141,730.8	961,824,096.0
2042	1	1,859,508,131.3		695,164,359.6	193,814.0	71,250,708.9	1,092,899,249.0
2042	2	1,626,420,888.2		746,893,330.7	136,989.1	53,822,276.9	825,568,291.6
2042	3	1,383,360,774.1		559,675,613.3	1,873,183.3	50,298,233.1	771,513,744.5
2042	4	1,088,544,082.0		277,665,642.4	14,698,593.2	48,729,442.5	747,450,403.9
2042	5	853,905,832.8		64,914,263.8	48,024,424.3	45,350,200.8	695,616,944.0
2042	6	955,640,466.9		7,942,042.0	147,134,330.7	48,997,776.3	751,566,317.9
2042	7	1,172,881,767.4		16,200.4	300,379,618.4	53,399,686.1	819,086,262.4
2042	8	1,189,722,987.6		0.0	337,608,212.8	52,152,887.4	799,961,887.3
2042	9	1,103,769,547.5		179,086.5	272,417,419.8	50,871,168.2	780,301,873.0
2042	10	859,207,156.5		24,015,667.3	93,383,062.6	45,401,690.6	696,406,736.0
2042	11	969,607,109.3		179,769,036.0	12,886,566.8	47,552,589.9	729,398,916.5
2042	12	1,496,676,332.0		467,336,475.3	1,295,326.0	62,920,503.5	965,124,027.2
2043	1	1,858,723,592.5		692,967,370.0	194,149.2	69,281,711.8	1,096,280,361.5
2043	2	1,625,365,667.4		744,537,796.7	137,226.9	52,348,782.4	828,341,861.4
2043	3	1,382,930,862.1		557,913,120.5	1,876,444.7	48,928,014.6	774,213,282.4
2043	4	1,089,122,379.0		276,792,451.5	14,724,243.8	47,410,162.3	750,195,521.3
2043	5	855,261,266.0		64,710,125.9	48,108,214.8	44,131,254.7	698,311,670.6
2043	6	957,490,668.0		7,917,076.0	147,391,211.5	47,682,203.9	754,500,176.5
2043	7	1,175,049,075.8		16,149.5	300,904,242.6	51,958,735.5	822,169,948.1
2043	8	1,191,877,636.8		0.0	338,197,957.3	50,743,234.4	802,936,445.1
2043	9	1,105,788,544.2		178,523.6	272,893,680.1	49,497,160.9	783,219,179.6
2043	10	860,729,533.4		23,940,145.0	93,546,280.2	44,178,818.1	699,064,290.0
2043	11	970,395,801.1		179,202,405.9	12,909,004.2	46,261,693.1	732,022,698.0
2043	12	1,496,607,727.5		465,857,754.9	1,297,565.5	61,191,271.2	968,261,135.9
2044	1	1,858,643,906.6		691,103,557.5	194,550.0	67,921,390.9	1,099,424,408.2
2044	2	1,624,985,517.3		742,537,566.3	137,510.6	51,336,761.0	830,973,679.3
2044	3	1,383,073,266.7		556,418,330.6	1,880,338.8	47,989,068.8	776,785,528.5
2044	4	1,090,134,916.7		276,052,431.2	14,754,908.5	46,508,447.5	752,819,129.5
2044	5	856,935,231.2		64,537,430.4	48,208,687.7	43,300,245.5	700,888,867.6
2044	6	959,645,722.4		7,895,937.1	147,698,835.4	46,783,274.4	757,267,675.5

Kentucky Power Company
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Year	Month	Total Usage	Actual Usage	Heating Use	Cooling Use	Lighting Use	Other Use
2044	7	1,177,556,273.0		16,106.3	301,530,588.5	50,970,148.7	825,039,429.5
2044	8	1,194,382,737.9		0.0	338,899,890.4	49,775,811.9	805,707,035.6
2044	9	1,108,160,061.0		178,044.9	273,459,298.2	48,556,258.0	785,966,460.0
2044	10	862,576,858.8		23,875,932.0	93,739,988.7	43,345,153.7	701,615,784.3
2044	11	971,583,143.1		178,721,926.3	12,935,742.3	45,379,546.6	734,545,927.9
2044	12	1,497,133,595.5		464,609,843.5	1,300,256.3	60,001,187.5	971,222,308.2
2045	1	1,858,115,957.4		688,704,900.1	194,815.0	66,884,493.2	1,102,331,749.2
2045	2	1,624,083,174.1		739,949,784.3	137,696.3	50,568,579.0	833,427,114.5
2045	3	1,382,814,735.7		554,470,180.5	1,882,852.5	47,277,372.7	779,184,329.9
2045	4	1,090,951,141.8		275,082,937.2	14,774,506.2	45,826,207.4	755,267,491.0
2045	5	858,548,031.3		64,310,289.4	48,272,475.0	42,672,610.1	703,292,656.8
2045	6	961,696,201.0		7,868,083.3	147,893,511.7	46,103,129.3	759,831,476.7
2045	7	1,179,845,405.2		16,049.4	301,926,973.7	50,220,013.8	827,682,368.3
2045	8	1,196,647,246.2		0.0	339,344,888.5	49,041,598.6	808,260,759.0
2045	9	1,110,339,396.0		177,412.9	273,816,553.2	47,842,766.9	788,502,662.9
2045	10	864,354,890.5		23,790,991.0	93,862,041.3	42,714,746.4	703,987,111.7
2045	11	972,630,570.0		178,084,199.7	12,952,495.4	44,710,728.7	736,883,146.3
2045	12	1,497,274,032.1		462,947,945.6	1,301,933.7	59,093,685.5	973,930,467.3
2046	1	1,857,636,878.1		686,312,108.7	195,063.7	65,994,764.7	1,105,134,941.0
2046	2	1,623,225,342.3		737,370,116.3	137,871.0	49,911,387.4	835,805,967.5
2046	3	1,382,600,797.0		552,530,711.3	1,885,226.2	46,669,352.4	781,515,507.2
2046	4	1,091,802,162.2		274,116,571.4	14,792,958.6	45,244,100.7	757,648,531.4
2046	5	860,179,719.0		64,083,322.6	48,332,135.5	42,137,541.4	705,626,719.5
2046	6	963,751,958.9		7,840,216.1	148,074,905.9	45,522,713.4	762,314,123.6
2046	7	1,182,123,312.9		15,992.4	302,294,433.6	49,578,662.5	830,234,224.4
2046	8	1,198,892,580.9		0.0	339,754,288.7	48,413,620.8	810,724,671.4
2046	9	1,112,513,887.8		176,778.1	274,144,904.3	47,233,280.1	790,958,925.2
2046	10	866,150,924.4		23,705,591.4	93,973,807.7	42,177,396.7	706,294,128.5
2046	11	973,706,160.5		177,442,458.5	12,967,777.1	44,139,799.4	739,156,125.4
2046	12	1,497,443,586.8		461,274,370.8	1,303,458.5	58,316,104.4	976,549,653.1
2047	1	1,857,314,296.8		683,975,439.3	195,307.9	65,245,611.5	1,107,897,938.1
2047	2	1,622,526,025.7		734,857,688.1	138,043.4	49,360,930.1	838,169,364.1
2047	3	1,382,530,296.0		550,645,950.9	1,887,577.7	46,161,142.5	783,835,624.9

Kentucky Power Company
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Year	Month	Total Usage	Actual Usage	Heating Use	Cooling Use	Lighting Use	Other Use
2047	4	1,092,782,072.3		273,181,999.0	14,811,453.0	44,759,165.0	760,029,455.4
2047	5	861,915,428.8		63,864,600.5	48,392,430.1	41,693,039.7	707,965,358.5
2047	6	965,907,501.3		7,813,434.3	148,259,341.3	45,039,809.4	764,794,916.2
2047	7	1,184,503,969.7		15,937.6	302,669,544.1	49,043,262.0	832,775,225.9
2047	8	1,201,249,886.7		0.0	340,174,933.4	47,889,588.5	813,185,364.8
2047	9	1,114,803,170.1		176,170.7	274,481,510.0	46,725,574.4	793,419,915.0
2047	10	868,066,252.3		23,623,901.5	94,088,365.5	41,731,725.5	708,622,259.8
2047	11	974,935,245.2		176,829,424.1	12,983,484.9	43,665,403.9	741,456,932.3
2047	12	1,497,828,756.4		459,673,968.4	1,305,019.5	57,665,489.6	979,184,278.9
2048	1	1,857,202,975.6		681,779,176.5	195,569.0	64,588,897.5	1,110,639,332.6
2048	2	1,622,027,529.7		732,487,456.7	138,226.4	48,880,279.8	840,521,566.9
2048	3	1,382,618,697.1		548,862,825.8	1,890,060.9	45,718,179.8	786,147,630.6
2048	4	1,093,849,351.0		272,290,140.5	14,830,592.8	44,336,674.9	762,391,942.7
2048	5	863,699,579.6		63,654,687.3	48,454,038.1	41,306,380.7	710,284,473.5
2048	6	968,087,355.2		7,787,497.6	148,443,634.3	44,618,481.0	767,237,742.4
2048	7	1,186,897,034.6		15,884.3	303,038,004.1	48,574,781.4	835,268,364.7
2048	8	1,203,598,324.0		0.0	340,578,125.7	47,430,381.4	815,589,817.0
2048	9	1,117,082,831.8		175,569.7	274,799,237.7	46,281,077.6	795,826,946.8
2048	10	869,977,428.7		23,542,487.6	94,194,249.5	41,342,094.8	710,898,596.7
2048	11	976,153,512.9		176,213,234.8	12,997,630.5	43,249,265.7	743,693,381.9
2048	12	1,498,182,875.8		458,055,687.3	1,306,397.8	57,092,135.7	981,728,655.0
2049	1	1,856,777,560.2		679,201,063.9	195,690.2	63,995,766.7	1,113,385,039.4
2049	2	1,621,175,666.4		729,705,774.9	138,310.2	48,447,747.4	842,883,833.9
2049	3	1,382,451,886.2		546,770,499.2	1,891,185.8	45,320,123.2	788,470,078.1
2049	4	1,094,806,276.8		271,244,496.4	14,839,055.1	43,957,596.9	764,765,128.4
2049	5	865,462,557.0		63,408,729.2	48,480,695.8	40,959,976.7	712,613,155.3
2049	6	970,203,077.7		7,757,140.5	148,520,653.9	44,240,378.5	769,684,904.8
2049	7	1,189,115,668.7		15,821.9	303,187,089.5	48,153,210.8	837,759,546.5
2049	8	1,205,743,176.0		0.0	340,734,331.5	47,016,992.2	817,991,852.3
2049	9	1,119,208,874.2		174,868.3	274,917,334.6	45,881,411.8	798,235,259.6
2049	10	871,854,104.2		23,447,590.3	94,231,586.7	40,992,686.9	713,182,240.3
2049	11	977,310,408.6		175,495,907.8	13,002,300.7	42,875,373.3	745,936,826.9
2049	12	1,498,328,647.3		456,173,971.5	1,306,822.0	56,574,607.0	984,273,246.9

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Actual Usage	Heating Use	Cooling Use	Lighting Use	Other Use
2050	1	1,856,799,368.2		676,945,676.8	195,896.4	63,485,305.8	1,116,172,489.3
2050	2	1,620,777,062.8		727,269,782.9	138,453.9	48,078,174.3	845,290,651.7
2050	3	1,382,647,225.5		544,936,390.0	1,893,126.9	44,980,962.3	790,836,746.3
2050	4	1,095,998,659.7		270,326,581.3	14,853,903.4	43,635,569.6	767,182,605.4
2050	5	867,370,765.0		63,192,537.4	48,528,152.9	40,666,603.7	714,983,470.9
2050	6	972,478,051.1		7,730,413.7	148,661,189.2	43,919,090.7	772,167,357.5
2050	7	1,191,550,232.2		15,766.9	303,465,432.8	47,792,956.9	840,276,075.6
2050	8	1,208,116,143.8		0.0	341,035,333.3	46,663,439.7	820,417,370.8
2050	9	1,121,540,613.2		174,248.0	275,151,870.3	45,540,483.2	800,674,011.8
2050	10	873,873,499.5		23,363,531.0	94,308,699.1	40,696,267.2	715,505,002.1
2050	11	978,649,195.1		174,859,436.2	13,012,439.7	42,557,036.6	748,220,282.6
2050	12	1,498,794,617.0		454,501,781.3	1,307,794.1	56,130,027.4	986,855,014.2
2051	1	1,859,339,835.4		677,383,382.1	196,318.7	62,822,679.9	1,118,937,454.7
2051	2	1,623,135,276.9		727,736,495.8	138,751.7	47,592,258.9	847,667,770.5
2051	3	1,384,891,825.9		545,284,495.5	1,897,193.3	44,532,891.5	793,177,245.6
2051	4	1,098,167,352.6		270,494,863.8	14,885,570.9	43,207,966.6	769,578,951.3
2051	5	869,477,093.9		63,231,133.4	48,631,042.8	40,275,008.5	717,339,909.1
2051	6	974,853,310.8		7,734,961.1	148,972,992.0	43,492,822.6	774,652,535.0
2051	7	1,194,247,057.2		15,775.9	304,096,155.3	47,319,817.7	842,815,308.3
2051	8	1,210,804,140.9		0.0	341,735,457.7	46,199,920.0	822,868,763.2
2051	9	1,124,107,387.5		174,339.4	275,711,014.8	45,091,706.6	803,130,326.7
2051	10	876,006,701.5		23,375,202.7	94,497,960.7	40,302,578.5	717,830,959.6
2051	11	980,624,091.1		174,941,767.5	13,038,176.1	42,137,171.6	750,506,975.9
2051	12	1,501,022,815.7		454,703,514.6	1,310,345.1	55,552,951.2	989,456,004.7
2052	1	1,861,949,371.1		677,846,040.0	196,741.1	62,167,153.2	1,121,739,436.8
2052	2	1,625,553,680.2		728,226,340.1	139,049.0	47,111,522.5	850,076,768.6
2052	3	1,387,185,431.7		545,647,125.9	1,901,245.5	44,089,496.8	795,547,563.4
2052	4	1,100,374,725.2		270,668,956.0	14,917,069.9	42,784,704.8	772,003,994.5
2052	5	871,613,954.9		63,270,754.4	48,733,189.9	39,887,261.7	719,722,749.1
2052	6	977,254,748.8		7,739,593.3	149,281,927.6	43,070,598.0	777,162,630.0
2052	7	1,196,963,447.8		15,785.0	304,719,893.8	46,851,044.6	845,376,724.4
2052	8	1,213,506,971.3		0.0	342,426,443.0	45,740,599.1	825,339,929.2
2052	9	1,126,688,969.3		174,430.1	276,261,732.8	44,646,931.6	805,605,874.9

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Actual Usage	Heating Use	Cooling Use	Lighting Use	Other Use
2052	10	878,157,872.1		23,386,664.4	94,683,973.7	39,912,320.7	720,174,913.4
2052	11	982,615,722.6		175,021,651.4	13,063,414.1	41,720,951.2	752,809,705.8
2052	12	1,503,262,586.9		454,896,783.8	1,312,841.5	54,980,944.0	992,072,017.7
2053	1	1,864,569,552.3		678,300,848.2	197,158.0	61,517,526.5	1,124,554,019.6
2053	2	1,627,979,353.9		728,707,294.8	139,342.4	46,634,978.2	852,497,738.4
2053	3	1,389,487,635.3		546,002,723.9	1,905,242.2	43,649,896.0	797,929,773.2
2053	4	1,102,593,778.0		270,839,357.7	14,948,123.0	42,364,984.8	774,441,312.4
2053	5	873,763,537.4		63,309,459.2	48,833,845.9	39,502,670.0	722,117,562.3
2053	6	979,666,494.0		7,744,106.3	149,586,177.8	42,651,802.7	779,684,407.2
2053	7	1,199,684,848.9		15,793.8	305,333,840.4	46,386,148.0	847,949,066.7
2053	8	1,216,212,575.9		0.0	343,106,161.8	45,285,081.8	827,821,332.3
2053	9	1,129,275,224.0		174,517.7	276,803,161.9	44,205,796.0	808,091,748.4
2053	10	880,318,664.2		23,397,688.3	94,866,735.5	39,525,180.5	722,529,059.9
2053	11	984,616,207.1		175,098,121.7	13,088,194.0	41,308,129.5	755,121,761.9
2053	12	1,505,506,503.7		455,080,821.3	1,315,290.8	54,413,813.9	994,696,577.7
2054	1	1,867,202,191.7		678,755,036.7	197,571.9	60,873,622.2	1,127,375,960.9
2054	2	1,630,417,220.2		729,188,406.7	139,633.8	46,162,492.3	854,926,687.3
2054	3	1,391,802,944.8		546,359,118.3	1,909,214.1	43,213,991.4	800,320,620.9
2054	4	1,104,826,659.2		271,010,540.5	14,978,995.7	41,948,747.4	776,888,375.5
2054	5	875,926,300.0		63,348,445.1	48,933,965.0	39,121,216.9	724,522,673.0
2054	6	982,091,013.0		7,748,665.5	149,888,936.5	42,236,468.0	782,216,943.1
2054	7	1,202,418,170.1		15,802.7	305,945,021.4	45,925,205.1	850,532,140.9
2054	8	1,218,929,941.5		0.0	343,783,051.1	44,833,477.7	830,313,412.8
2054	9	1,131,874,622.8		174,606.9	277,342,525.5	43,768,443.8	810,589,046.6
2054	10	882,494,276.6		23,408,967.7	95,048,856.3	39,141,327.7	724,895,125.0
2054	11	986,634,021.7		175,176,699.0	13,112,894.2	40,898,913.7	757,445,514.8
2054	12	1,507,773,471.6		455,270,809.7	1,317,732.9	53,851,846.5	997,333,082.5

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Customers	Heating	Cooling	Lighting	Other	Total Energy
1995	1							
1995	2	1,596,350,328.2	139.08	116,969.1	0.0	21,465.4	83,587.4	222,022.0
1995	3	1,254,741,611.8	139.04	79,944.9	0.0	19,231.6	75,276.5	174,453.0
1995	4	968,155,387.3	138.96	29,386.1	929.8	21,076.7	83,138.4	134,531.0
1995	5	905,534,412.9	139.00	10,522.0	3,773.7	22,294.1	89,282.3	125,872.0
1995	6	960,439,592.0	139.13	674.0	17,000.8	24,108.2	91,842.0	133,625.0
1995	7	1,379,927,028.3	139.23	0.0	40,448.7	25,674.2	126,007.1	192,130.0
1995	8	1,533,806,987.2	139.48	0.0	63,201.2	30,819.1	119,919.8	213,940.0
1995	9	915,975,408.1	139.72	84.2	49,776.1	15,846.8	62,273.8	127,981.0
1995	10	895,857,463.6	139.87	2,235.9	9,204.7	23,002.7	90,856.8	125,300.0
1995	11	1,498,882,470.1	140.04	33,833.0	856.3	32,617.7	142,598.0	209,905.0
1995	12	1,967,901,146.6	140.41	83,520.8	58.5	32,851.4	159,882.4	276,313.0
1996	1	2,076,798,617.9	140.80	133,167.9	0.0	33,056.7	126,182.5	292,407.0
1996	2	1,961,229,679.5	140.27	132,244.1	0.0	29,521.3	113,326.4	275,091.9
1996	3	1,540,773,591.6	140.89	91,152.9	0.0	26,714.0	99,208.1	217,075.0
1996	4	1,352,304,482.7	140.59	62,847.7	1,127.9	24,830.3	101,309.3	190,115.1
1996	5	960,242,182.1	140.51	13,713.7	11,251.8	23,672.3	86,285.7	134,923.6
1996	6	988,971,148.6	140.62	1,887.5	24,237.1	24,500.2	88,441.3	139,066.2
1996	7	1,190,706,251.2	140.66	0.0	46,466.9	25,917.4	95,101.6	167,485.9
1996	8	1,142,380,692.8	140.73	0.0	42,718.6	25,203.3	92,839.6	160,761.5
1996	9	1,112,761,645.7	141.00	0.0	37,043.9	24,787.5	95,063.5	156,894.9
1996	10	879,169,425.2	141.08	4,203.5	6,792.4	22,709.5	90,325.2	124,030.6
1996	11	1,080,485,228.8	141.36	34,344.0	964.7	24,590.1	92,834.3	152,733.1
1996	12	1,639,880,269.1	141.65	86,746.9	230.9	31,910.6	113,402.2	232,290.7
1997	1	1,872,862,109.6	141.83	97,354.0	122.8	35,861.0	132,290.2	265,628.0
1997	2	1,697,515,457.7	141.84	118,111.2	101.8	27,541.2	95,019.7	240,773.9
1997	3	1,310,969,527.9	141.57	64,830.5	432.3	25,008.5	95,325.3	185,596.6
1997	4	1,181,396,423.4	141.36	41,321.3	986.1	24,711.8	99,987.7	167,006.9
1997	5	971,922,643.2	141.35	18,992.1	1,133.8	23,990.6	93,259.8	137,376.4
1997	6	898,196,542.2	141.48	2,869.6	8,365.3	25,732.3	90,106.0	127,073.3
1997	7	1,173,407,879.0	141.52	0.0	39,444.1	26,735.0	99,875.7	166,054.8
1997	8	1,213,288,242.8	141.81	0.0	48,671.9	26,306.9	97,078.9	172,057.6
1997	9	1,055,187,091.3	141.92	0.0	26,402.2	25,835.3	97,514.7	149,752.2

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Customers	Heating	Cooling	Lighting	Other	Total Energy
1997	10	861,173,071.0	141.99	3,065.3	8,301.4	23,531.2	87,378.3	122,276.2
1997	11	1,110,993,058.7	151.13	44,485.2	2,508.0	25,884.1	95,021.6	167,898.8
1997	12	1,748,100,828.4	138.58	81,723.1	0.0	31,789.8	128,742.4	242,255.3
1998	1	1,816,033,319.3	142.74	91,276.0	0.0	38,515.7	129,429.0	259,220.6
1998	2	1,553,672,256.1	142.47	96,290.6	0.0	27,872.4	97,190.3	221,353.2
1998	3	1,393,328,817.6	142.61	77,208.8	5.5	25,756.7	95,737.1	198,708.2
1998	4	1,159,163,821.8	142.77	45,125.4	6,997.9	25,330.4	88,041.3	165,495.0
1998	5	927,021,092.2	142.28	6,718.8	3,901.2	23,176.7	98,099.9	131,896.6
1998	6	1,003,710,299.0	142.26	148.9	22,402.7	26,582.9	93,650.3	142,784.8
1998	7	1,243,692,577.8	142.40	64.9	48,099.9	27,630.4	101,302.9	177,098.1
1998	8	1,250,202,535.7	142.60	0.0	49,881.2	27,002.1	101,398.1	178,281.4
1998	9	1,219,361,559.8	142.46	0.0	48,432.5	26,811.0	98,460.6	173,704.2
1998	10	994,519,240.3	142.64	1,253.7	29,583.5	24,102.6	86,921.4	141,861.2
1998	11	1,079,235,975.8	142.90	25,575.7	2,200.0	25,338.4	101,104.4	154,218.5
1998	12	1,459,519,909.4	143.05	48,549.3	463.5	33,913.6	125,855.0	208,781.4
1999	1	1,996,281,053.4	143.20	127,312.1	203.8	38,576.0	119,769.5	285,861.5
1999	2	1,466,155,153.4	143.17	88,618.8	0.0	27,182.8	94,104.8	209,906.5
1999	3	1,560,206,994.7	143.34	106,094.0	0.0	25,684.6	91,856.8	223,635.4
1999	4	1,223,541,450.5	143.20	54,829.5	1,631.1	25,176.9	93,567.6	175,205.0
1999	5	866,545,204.6	142.92	6,574.1	5,498.2	24,003.0	87,768.7	123,844.0
1999	6	977,527,859.2	142.95	0.0	25,590.7	25,877.8	88,270.1	139,738.6
1999	7	1,267,808,366.3	142.96	0.0	59,710.2	27,299.2	94,230.2	181,239.5
1999	8	1,387,451,366.7	143.05	0.0	74,259.2	26,468.3	97,747.4	198,474.9
1999	9	1,126,778,698.7	143.10	26.8	37,784.3	26,655.6	96,774.2	161,240.9
1999	10	900,664,947.0	143.24	2,987.0	7,857.3	24,203.1	93,966.5	129,013.9
1999	11	1,048,740,561.2	143.40	24,754.8	437.5	26,234.3	98,960.7	150,387.3
1999	12	1,501,399,041.6	143.57	61,809.2	0.0	34,408.4	119,344.3	215,561.9
2000	1	1,922,441,095.7	143.87	114,674.4	0.0	38,350.1	123,555.1	276,579.7
2000	2	1,921,954,652.8	143.93	152,426.1	0.0	27,938.0	96,270.5	276,634.6
2000	3	1,315,910,191.7	143.86	58,988.1	359.5	26,270.0	103,691.9	189,309.5
2000	4	1,075,373,007.3	143.46	32,461.2	832.3	26,790.7	94,189.9	154,274.1
2000	5	998,023,787.9	143.43	12,105.5	9,078.6	24,596.0	97,370.5	143,150.5
2000	6	1,048,146,689.2	143.30	27.4	25,218.9	27,217.9	97,738.3	150,202.6

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Customers	Heating	Cooling	Lighting	Other	Total Energy
2000	7	1,220,915,630.4	143.30	0.0	46,364.4	28,803.5	99,786.8	174,954.8
2000	8	1,185,966,961.3	143.44	0.0	40,866.7	27,561.2	101,684.8	170,112.7
2000	9	1,146,883,663.9	143.54	140.4	35,692.8	27,622.5	101,169.1	164,624.8
2000	10	981,004,259.7	143.67	7,796.6	12,397.6	25,204.3	95,544.4	140,942.8
2000	11	1,034,520,178.6	143.79	26,669.2	1,717.9	26,965.0	93,402.6	148,754.7
2000	12	1,842,378,621.1	144.23	118,134.5	0.0	34,271.5	113,312.9	265,718.9
2001	1	2,442,094,256.8	144.22	177,424.5	0.0	38,179.9	136,601.8	352,206.2
2001	2	1,814,615,610.7	144.27	138,603.4	0.0	29,686.2	93,510.4	261,800.0
2001	3	1,520,046,059.2	144.12	96,231.7	0.0	26,467.3	96,368.6	219,067.5
2001	4	1,325,045,263.9	143.98	65,730.9	6,883.0	26,367.9	91,795.6	190,777.4
2001	5	979,761,380.4	143.93	10,082.3	15,354.0	24,616.9	90,965.9	141,019.0
2001	6	977,736,682.2	143.85	597.8	16,553.5	26,997.0	96,498.1	140,646.4
2001	7	1,193,277,616.7	143.85	0.0	41,320.2	28,966.9	101,369.5	171,656.6
2001	8	1,290,724,565.9	143.91	0.0	59,990.4	27,992.0	97,767.1	185,749.5
2001	9	1,220,538,371.8	144.01	28.8	47,091.1	27,629.7	101,022.6	175,772.2
2001	10	976,700,738.2	144.14	5,926.1	11,452.8	25,396.2	98,004.5	140,779.7
2001	11	1,151,266,076.8	144.21	28,452.8	3,373.7	27,514.7	106,687.6	166,028.7
2001	12	1,414,092,324.5	144.45	37,030.1	106.7	36,092.1	131,032.4	204,261.4
2002	1	2,073,169,675.9	144.78	126,001.7	0.0	40,815.8	133,327.7	300,145.2
2002	2	1,672,431,977.0	144.64	103,772.6	0.0	29,843.0	108,276.7	241,892.2
2002	3	1,604,873,500.7	144.57	92,642.3	213.8	28,513.7	110,646.7	232,016.6
2002	4	1,295,819,825.4	144.47	49,448.6	3,251.3	28,516.7	105,991.8	187,208.4
2002	5	946,106,018.9	144.10	13,085.4	9,220.4	26,646.2	87,379.0	136,331.0
2002	6	1,103,276,437.5	144.17	7,580.7	24,337.6	27,191.6	99,949.4	159,059.4
2002	7	1,356,212,003.1	144.16	0.0	55,652.1	29,649.5	110,213.9	195,515.6
2002	8	1,425,290,539.7	144.24	0.0	70,991.2	29,428.5	105,157.1	205,576.8
2002	9	1,301,868,519.2	144.23	0.0	62,445.7	28,796.7	96,531.2	187,773.7
2002	10	1,006,367,078.6	144.28	2,830.9	25,224.4	25,345.7	91,794.7	145,195.6
2002	11	1,119,831,951.3	144.47	34,956.7	2,515.2	27,268.0	97,042.2	161,782.1
2002	12	1,840,687,068.1	144.70	105,268.8	333.5	35,581.7	125,156.1	266,340.1
2003	1	2,194,397,728.1	144.90	126,500.4	0.0	39,885.9	151,588.6	317,974.8
2003	2	2,098,001,263.4	144.85	175,482.8	0.0	31,499.7	96,908.7	303,891.3
2003	3	1,707,984,851.4	144.70	118,163.0	0.0	27,264.6	101,717.9	247,145.4

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Customers	Heating	Cooling	Lighting	Other	Total Energy
2003	4	1,143,625,004.3	144.42	31,041.7	2,768.7	27,211.6	104,134.6	165,156.6
2003	5	934,722,031.2	144.25	6,712.3	6,895.3	26,194.8	95,031.2	134,833.7
2003	6	947,952,593.0	144.18	0.0	9,351.5	27,704.6	99,616.9	136,673.0
2003	7	1,211,800,499.5	144.13	0.0	39,247.5	29,454.2	105,955.1	174,656.8
2003	8	1,243,866,913.9	144.29	0.0	46,988.2	28,558.7	103,930.6	179,477.6
2003	9	1,260,932,394.3	144.41	0.0	45,105.2	28,633.8	108,353.4	182,092.5
2003	10	967,079,428.8	144.41	7,798.1	6,540.9	26,415.1	98,898.0	139,652.1
2003	11	1,060,485,719.8	144.47	21,540.8	1,541.0	27,802.8	102,319.6	153,204.1
2003	12	1,727,644,432.2	144.85	76,179.7	176.3	35,909.8	137,983.5	250,249.3
2004	1	2,228,905,324.8	145.10	123,974.7	138.9	41,001.4	158,290.2	323,405.2
2004	2	2,116,278,744.3	144.85	160,586.8	46.5	32,169.0	113,732.2	306,534.5
2004	3	1,593,277,528.0	144.79	92,764.9	416.7	28,945.9	108,561.6	230,689.1
2004	4	1,292,407,886.9	144.67	51,073.0	2,301.3	28,274.3	105,324.1	186,972.6
2004	5	1,010,218,988.8	144.36	12,494.7	12,665.9	25,960.4	94,713.3	145,834.2
2004	6	1,153,825,211.5	144.12	868.0	34,807.8	27,630.7	102,979.4	166,285.8
2004	7	1,290,174,059.4	144.04	0.0	44,422.2	29,576.8	111,833.7	185,832.8
2004	8	1,207,890,210.0	144.07	0.0	44,015.1	29,054.0	100,946.8	174,015.9
2004	9	1,160,797,780.4	144.08	0.0	38,604.6	27,759.8	100,884.5	167,248.9
2004	10	977,278,137.3	144.16	2,132.4	11,483.3	25,607.6	101,660.2	140,883.4
2004	11	1,000,907,938.5	144.36	13,625.7	2,276.6	27,736.3	100,852.5	144,491.1
2004	12	1,636,977,562.4	144.62	63,149.1	332.3	35,706.7	137,556.6	236,744.6
2005	1	2,070,072,946.9	144.90	107,160.2	0.0	40,309.4	152,484.0	299,953.6
2005	2	1,949,462,576.6	144.42	130,545.9	0.0	31,322.0	119,663.7	281,531.6
2005	3	1,771,887,800.4	145.26	111,111.6	0.0	29,566.2	116,704.9	257,382.7
2005	4	1,308,930,626.7	144.96	51,215.4	1,031.8	28,947.9	108,540.9	189,736.0
2005	5	1,021,337,500.5	144.30	14,619.3	3,760.2	26,049.9	102,951.6	147,381.0
2005	6	1,069,231,422.6	144.34	2,017.8	22,166.0	28,315.8	101,835.4	154,335.0
2005	7	1,333,320,854.8	144.27	0.0	62,918.8	29,296.3	100,148.5	192,363.5
2005	8	1,460,080,863.3	144.23	0.0	80,300.9	27,914.1	102,373.9	210,588.9
2005	9	1,336,065,753.1	144.19	0.0	60,409.7	27,680.9	104,558.0	192,648.7
2005	10	1,033,743,952.1	144.22	1,248.4	27,751.1	25,429.9	94,660.2	149,089.7
2005	11	1,120,136,249.4	144.42	31,676.0	1,757.4	27,271.5	101,064.1	161,769.0
2005	12	1,900,439,239.2	144.64	107,935.1	259.7	35,024.7	131,662.0	274,881.4

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Customers	Heating	Cooling	Lighting	Other	Total Energy
2006	1	2,207,723,455.1	144.83	108,270.4	0.0	39,617.7	171,856.5	319,744.6
2006	2	1,804,836,407.7	144.53	91,952.7	0.0	32,576.4	136,323.9	260,853.0
2006	3	1,626,827,484.4	145.01	105,405.7	241.5	30,650.6	99,613.3	235,911.1
2006	4	1,262,415,619.8	144.56	53,666.8	2,861.9	26,037.6	99,928.6	182,494.8
2006	5	940,154,584.1	144.26	4,362.8	4,783.7	25,422.4	101,055.9	135,624.8
2006	6	1,057,778,073.8	144.12	836.6	17,983.8	27,245.2	106,381.3	152,447.0
2006	7	1,271,276,787.1	144.12	0.0	44,371.5	29,213.6	109,628.8	183,213.9
2006	8	1,424,173,576.1	144.25	0.0	70,954.7	28,282.6	106,196.9	205,434.2
2006	9	1,255,081,861.0	144.27	201.6	45,083.0	27,943.8	107,841.0	181,069.4
2006	10	971,237,941.1	144.31	8,313.4	6,333.3	25,739.9	99,775.6	140,162.3
2006	11	1,232,087,453.7	144.55	45,918.7	437.9	27,012.6	104,722.8	178,092.1
2006	12	1,774,977,717.7	144.55	72,350.4	457.4	34,676.0	149,096.3	256,580.1
2007	1	1,894,406,857.0	144.82	77,972.4	50.2	39,184.9	157,131.1	274,338.5
2007	2	2,214,653,079.5	144.84	157,336.9	0.0	32,807.0	130,633.1	320,777.0
2007	3	1,845,838,373.9	144.49	132,200.7	384.2	27,622.2	106,505.5	266,712.6
2007	4	1,270,902,877.7	144.18	45,489.2	4,986.2	26,495.0	106,267.1	183,237.5
2007	5	1,045,100,110.5	143.84	17,222.8	8,674.5	24,687.3	99,743.7	150,328.2
2007	6	1,145,911,905.3	143.74	704.6	30,531.9	26,020.1	107,460.2	164,716.8
2007	7	1,271,357,530.7	143.67	0.0	49,816.4	28,042.3	104,792.2	182,650.9
2007	8	1,344,388,712.9	143.97	0.0	58,685.7	26,914.6	107,951.4	193,551.6
2007	9	1,445,614,073.2	144.12	0.0	64,901.1	26,890.6	116,547.3	208,339.0
2007	10	1,068,750,060.7	144.09	1,458.4	30,147.5	25,478.5	96,908.6	153,993.0
2007	11	1,140,305,733.8	144.18	28,579.6	5,129.1	26,318.1	104,383.6	164,410.4
2007	12	1,690,170,524.8	144.54	80,709.6	0.0	33,263.0	130,328.0	244,300.6
2008	1	2,114,912,301.1	144.83	112,039.7	0.0	36,051.3	158,201.2	306,292.2
2008	2	2,006,611,403.7	144.69	136,285.6	0.0	28,713.2	125,337.8	290,336.6
2008	3	1,805,065,064.2	144.37	116,187.3	0.0	27,258.2	117,142.7	260,588.2
2008	4	1,341,179,216.3	143.99	52,273.8	246.0	26,523.8	114,070.0	193,113.7
2008	5	961,256,323.1	143.80	11,601.5	3,204.5	24,307.2	99,114.5	138,227.7
2008	6	1,065,972,952.5	143.71	785.9	18,862.5	25,331.2	108,211.4	153,191.0
2008	7	1,245,205,919.8	143.79	0.0	39,090.9	27,192.3	112,763.8	179,046.9
2008	8	1,302,137,681.5	143.83	0.0	47,736.2	26,734.9	112,817.9	187,289.1
2008	9	1,237,861,165.8	143.86	0.0	44,656.7	26,356.9	107,058.9	178,072.5

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Customers	Heating	Cooling	Lighting	Other	Total Energy
2008	10	992,899,481.5	143.88	1,884.8	17,047.8	23,447.7	100,482.1	142,862.3
2008	11	1,204,822,669.8	144.12	37,117.8	1,104.5	25,101.0	110,316.9	173,640.2
2008	12	2,004,950,168.6	144.41	120,695.3	0.0	32,578.1	136,255.4	289,528.8
2009	1	2,244,456,669.8	144.47	132,776.0	0.0	35,565.4	155,919.7	324,261.1
2009	2	2,229,732,803.4	144.30	162,122.0	0.0	27,829.9	131,803.0	321,754.9
2009	3	1,700,254,596.7	144.13	104,679.7	698.8	26,578.8	113,093.5	245,050.9
2009	4	1,269,251,033.0	143.75	39,984.0	526.3	25,116.3	116,833.3	182,459.9
2009	5	1,006,668,358.8	143.41	10,329.8	10,077.2	24,139.8	99,814.6	144,361.3
2009	6	1,054,682,149.7	143.40	996.0	20,194.4	24,416.7	105,638.6	151,245.6
2009	7	1,213,794,441.9	143.22	0.0	34,530.6	26,031.6	113,271.3	173,833.6
2009	8	1,187,851,010.7	143.27	0.0	35,822.8	25,699.3	108,663.8	170,185.8
2009	9	1,181,452,121.3	143.26	0.0	34,539.3	24,936.6	109,776.6	169,252.5
2009	10	1,004,137,336.3	143.28	7,255.2	12,357.9	23,301.2	100,954.4	143,868.8
2009	11	1,149,238,021.2	143.42	28,938.0	509.2	24,330.8	111,045.7	164,823.7
2009	12	1,653,206,192.2	143.63	76,495.8	33.0	31,899.9	129,026.2	237,455.0
2010	1	2,438,469,823.7	143.81	157,420.1	0.0	30,042.7	163,201.3	350,664.2
2010	2	2,121,714,378.1	143.79	155,567.6	0.0	23,921.6	125,587.9	305,077.1
2010	3	1,945,592,070.6	143.62	128,412.5	0.0	22,810.0	128,199.5	279,422.0
2010	4	1,218,668,892.7	143.15	29,849.2	3,986.8	22,765.7	117,854.4	174,456.1
2010	5	945,395,138.8	142.80	7,725.3	6,239.4	20,600.0	100,440.6	135,005.3
2010	6	1,164,318,712.7	142.74	1,248.5	30,338.9	21,169.2	113,441.7	166,198.3
2010	7	1,429,758,865.0	142.67	0.0	53,919.4	23,077.5	126,982.5	203,979.4
2010	8	1,489,051,092.2	142.74	0.0	62,957.8	23,225.9	126,366.4	212,550.1
2010	9	1,288,807,601.6	142.47	0.0	44,732.4	22,827.7	116,056.3	183,616.4
2010	10	1,008,016,131.2	142.46	2,415.7	16,683.3	20,433.3	104,066.7	143,599.0
2010	11	1,081,280,184.2	142.70	25,747.9	1,608.8	20,952.3	105,988.7	154,297.6
2010	12	1,914,121,373.7	142.71	104,945.8	0.0	27,009.9	141,204.8	273,160.4
2011	1	2,583,180,891.9	143.19	168,939.4	0.0	28,008.8	172,924.6	369,872.8
2011	2	2,029,311,108.0	142.74	153,361.3	0.0	22,868.6	113,423.9	289,653.7
2011	3	1,497,373,823.2	142.87	80,383.1	254.6	20,084.7	113,202.9	213,925.3
2011	4	1,237,322,480.4	142.17	51,109.4	2,431.2	19,369.8	103,003.4	175,913.8
2011	5	964,228,311.9	141.68	9,842.8	7,258.8	18,293.1	101,216.1	136,610.9
2011	6	1,139,615,319.9	141.46	3,154.1	27,065.1	19,103.0	111,891.3	161,213.4

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Customers	Heating	Cooling	Lighting	Other	Total Energy
2011	7	1,273,345,535.3	141.40	0.0	42,411.3	21,229.2	116,408.0	180,048.5
2011	8	1,446,915,636.9	141.53	0.0	62,938.6	20,637.5	121,207.4	204,783.4
2011	9	1,195,311,998.4	141.29	35.1	37,565.7	20,581.2	110,698.9	168,880.9
2011	10	922,740,827.3	141.18	6,164.9	6,684.5	18,307.1	99,116.2	130,272.6
2011	11	1,121,424,115.5	141.32	30,796.4	154.6	18,929.7	108,599.0	158,479.7
2011	12	1,549,999,788.0	141.50	56,346.7	232.3	24,921.5	137,824.5	219,325.0
2012	1	1,936,457,076.3	141.57	98,308.9	0.0	27,284.4	148,541.2	274,134.5
2012	2	1,721,183,448.9	141.71	102,826.1	0.0	20,904.9	120,172.7	243,903.7
2012	3	1,409,422,938.4	141.34	73,471.8	1,382.2	19,667.2	104,679.6	199,200.8
2012	4	977,120,699.8	140.90	15,441.4	5,751.1	18,520.5	97,958.4	137,671.4
2012	5	970,622,977.5	140.79	10,493.6	8,369.3	17,136.6	100,654.6	136,654.0
2012	6	1,095,117,537.0	140.61	52.9	24,657.5	18,840.0	110,435.1	153,985.6
2012	7	1,374,144,445.2	140.70	0.0	55,184.5	20,701.9	117,451.6	193,338.0
2012	8	1,329,610,153.2	140.65	0.0	54,117.2	19,888.1	112,997.7	187,003.0
2012	9	1,199,271,521.1	140.64	125.9	38,012.3	19,724.5	110,804.0	168,666.7
2012	10	940,817,771.8	140.57	8,311.3	9,097.0	17,594.8	97,248.6	132,251.7
2012	11	1,183,200,730.2	140.78	43,447.0	1,174.7	18,463.3	103,487.1	166,572.2
2012	12	1,657,436,622.2	140.91	71,050.5	0.0	23,807.0	138,690.2	233,547.7
2013	1	1,989,467,918.3	141.09	111,058.5	0.0	24,635.9	145,005.6	280,700.0
2013	2	1,890,739,839.5	140.91	128,266.7	0.0	18,064.6	120,098.5	266,429.8
2013	3	1,766,153,678.4	140.76	111,698.1	0.0	17,815.5	119,081.3	248,595.0
2013	4	1,476,357,193.2	140.50	72,205.5	2,662.7	17,652.8	114,908.7	207,429.7
2013	5	925,592,889.9	140.17	8,719.9	7,139.9	16,246.9	97,630.0	129,736.7
2013	6	1,059,271,380.2	139.90	1,522.6	26,130.6	16,747.5	103,787.1	148,187.8
2013	7	1,254,262,697.7	139.65	0.0	45,485.3	17,847.0	111,826.7	175,159.0
2013	8	1,222,492,848.7	139.69	0.0	42,620.2	17,583.8	110,570.9	170,774.9
2013	9	1,156,875,156.7	139.62	0.0	36,908.2	17,246.0	107,372.2	161,526.4
2013	10	925,313,385.6	139.67	2,117.4	14,562.0	15,657.2	96,897.3	129,233.9
2013	11	1,121,631,236.2	139.89	35,739.2	2,107.4	16,330.8	102,726.5	156,903.9
2013	12	1,809,375,873.4	140.12	96,696.8	62.7	21,362.4	135,406.1	253,527.9
2014	1	2,308,763,001.6	140.27	126,707.6	118.9	23,334.9	173,691.1	323,852.5
2014	2	2,318,955,621.7	140.09	168,351.7	0.0	19,038.6	137,474.5	324,864.8
2014	3	1,830,617,039.8	139.93	120,012.1	0.0	18,243.8	117,904.2	256,160.1

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Customers	Heating	Cooling	Lighting	Other	Total Energy
2014	4	1,268,237,621.6	139.26	57,346.9	920.5	16,329.4	102,011.6	176,608.4
2014	5	946,682,966.7	138.88	7,083.7	4,995.0	15,223.6	104,168.2	131,470.6
2014	6	1,060,301,158.1	138.60	1,949.4	19,227.0	16,127.8	109,648.2	146,952.4
2014	7	1,238,168,389.3	138.45	0.0	40,626.2	17,378.9	113,415.6	171,420.7
2014	8	1,112,124,329.2	138.26	0.0	28,712.5	16,961.0	108,091.1	153,764.5
2014	9	1,165,669,026.2	138.30	0.0	33,439.0	16,313.7	111,464.0	161,216.7
2014	10	881,608,022.0	138.25	3,535.8	8,489.8	14,987.8	94,864.4	121,877.9
2014	11	1,115,491,458.0	138.49	39,737.2	796.6	15,491.5	98,461.4	154,486.6
2014	12	1,735,077,353.9	138.73	101,820.7	2.6	20,406.6	118,470.4	240,700.3
2015	1	2,047,111,752.7	138.73	118,669.8	0.0	20,162.7	145,155.0	283,987.6
2015	2	2,097,411,237.8	138.78	148,213.1	0.0	15,841.4	127,026.3	291,080.8
2015	3	2,041,616,647.6	138.75	154,914.5	0.0	15,947.6	112,406.1	283,268.2
2015	4	1,153,793,972.4	138.06	43,519.6	697.5	14,369.3	100,710.9	159,297.4
2015	5	912,350,444.7	137.61	10,540.9	7,507.0	12,889.9	94,608.9	125,546.7
2015	6	1,088,662,754.9	137.54	364.3	27,904.3	14,097.1	107,363.5	149,729.2
2015	7	1,230,037,563.0	137.53	0.0	39,688.1	15,630.9	113,846.9	169,165.8
2015	8	1,242,789,121.3	137.57	0.0	41,484.5	14,911.4	114,577.1	170,973.0
2015	9	1,132,635,924.8	137.57	0.0	31,635.2	15,011.6	109,164.3	155,811.1
2015	10	902,084,847.4	137.60	3,483.4	9,966.8	13,404.7	97,272.0	124,126.9
2015	11	928,910,552.8	137.68	20,157.1	689.7	13,806.5	93,238.1	127,891.5
2015	12	1,367,669,687.7	137.92	49,540.5	142.6	17,644.0	121,303.3	188,630.4
2016	1	1,760,428,969.9	138.02	80,704.9	0.0	18,965.5	143,302.3	242,972.6
2016	2	1,939,360,432.8	138.00	134,518.1	0.0	14,394.4	118,715.3	267,627.9
2016	3	1,454,493,920.0	137.58	75,567.7	176.7	14,224.8	110,144.3	200,113.6
2016	4	1,049,837,537.2	137.29	26,941.9	1,305.5	13,727.7	102,160.3	144,135.3
2016	5	847,205,376.0	136.98	8,905.0	6,853.2	12,227.8	88,062.5	116,048.5
2016	6	1,017,889,044.1	136.72	2,073.0	23,095.6	12,859.4	101,138.8	139,166.8
2016	7	1,244,159,627.8	136.60	0.0	43,097.4	14,352.6	112,501.0	169,951.0
2016	8	1,351,460,101.9	136.65	0.0	57,753.5	14,199.8	112,721.0	184,674.3
2016	9	1,291,872,972.9	136.65	0.0	53,224.5	14,082.3	109,225.1	176,531.9
2016	10	955,985,437.1	136.37	345.2	25,316.9	12,600.8	92,108.6	130,371.6
2016	11	878,726,052.1	136.52	11,344.0	6,082.7	12,688.3	89,844.3	119,959.3
2016	12	1,511,606,955.6	136.78	66,914.2	252.1	16,512.6	123,080.2	206,759.1

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Customers	Heating	Cooling	Lighting	Other	Total Energy
2017	1	1,795,656,110.8	136.77	89,066.8	0.0	18,063.3	138,452.8	245,582.9
2017	2	1,430,637,908.6	136.52	74,117.4	0.0	13,596.6	107,593.9	195,307.8
2017	3	1,279,141,028.1	136.45	58,002.8	82.5	12,830.6	103,620.4	174,536.2
2017	4	1,041,345,275.1	135.94	35,747.7	1,943.4	12,368.5	91,498.8	141,558.4
2017	5	823,762,664.7	135.79	4,863.0	10,239.6	11,137.4	85,619.6	111,859.6
2017	6	945,270,903.7	135.60	1,172.3	19,256.0	12,163.0	95,585.6	128,176.8
2017	7	1,174,322,735.9	135.50	0.0	38,688.2	13,445.0	106,992.1	159,125.4
2017	8	1,200,981,991.3	135.49	0.0	41,300.1	13,232.4	108,188.5	162,721.1
2017	9	1,027,826,605.5	135.66	0.0	24,578.7	13,175.8	101,676.4	139,430.8
2017	10	876,448,216.3	135.48	640.3	18,102.6	11,581.4	88,414.3	118,738.6
2017	11	964,994,252.3	135.71	25,935.7	3,292.6	12,049.5	89,678.7	130,956.5
2017	12	1,547,220,087.3	135.79	70,232.4	123.8	15,724.5	124,011.7	210,092.4
2018	1	2,273,191,743.2	135.94	136,410.9	253.8	17,463.4	154,882.8	309,010.9
2018	2	1,818,969,841.8	135.75	110,466.0	427.7	14,076.0	121,957.2	246,927.0
2018	3	1,272,795,414.4	135.43	61,292.8	856.7	12,730.0	97,488.8	172,368.3
2018	4	1,297,164,601.9	135.13	58,704.4	984.5	11,787.6	103,804.2	175,280.7
2018	5	938,935,479.1	134.81	14,366.7	10,664.4	11,066.9	90,479.0	126,577.0
2018	6	1,120,162,737.0	134.57	193.6	35,900.1	11,946.9	102,703.1	150,743.7
2018	7	1,279,267,643.9	134.74	0.0	48,173.8	13,011.1	111,177.2	172,362.1
2018	8	1,198,491,954.7	134.61	0.0	43,949.7	12,823.0	104,558.7	161,331.4
2018	9	1,197,792,385.9	134.70	0.0	44,445.0	12,287.7	104,606.4	161,339.0
2018	10	989,769,908.7	134.45	3,656.9	27,815.2	11,026.9	90,576.5	133,075.6
2018	11	1,058,741,299.1	134.64	35,417.8	4,066.8	11,636.3	91,430.2	142,551.0
2018	12	1,607,164,752.0	134.75	82,275.6	22.6	14,881.7	119,382.4	216,562.2
2019	1	1,758,252,562.5	134.73	82,872.1	0.0	16,338.8	137,680.2	236,891.1
2019	2	1,688,672,254.1	134.67	110,521.7	18.1	12,299.3	104,582.7	227,421.8
2019	3	1,431,374,591.3	134.44	82,668.0	247.2	11,523.9	97,989.8	192,428.9
2019	4	1,109,192,058.5	134.00	40,878.6	1,933.7	11,135.1	94,683.8	148,631.2
2019	5	852,348,910.1	133.65	9,531.3	6,301.6	10,321.0	87,761.3	113,915.2
2019	6	944,954,158.0	133.46	1,164.5	19,279.9	11,119.2	94,548.6	126,112.2
2019	7	1,157,586,621.4	133.35	2.4	39,334.9	12,104.3	102,925.0	154,366.6
2019	8	1,174,651,890.7	133.34	0.0	44,208.0	11,829.7	100,590.4	156,628.1
2019	9	1,091,370,253.1	133.29	26.2	35,654.4	11,552.8	98,235.3	145,468.7

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Customers	Heating	Cooling	Lighting	Other	Total Energy
2019	10	855,168,846.2	133.21	3,514.1	12,212.6	10,332.2	87,856.1	113,915.0
2019	11	985,055,990.2	133.33	26,323.3	1,686.6	10,873.0	92,455.4	131,338.3
2019	12	1,542,871,870.2	133.49	68,497.8	169.7	14,446.0	122,836.9	205,950.4
2020	1	1,920,591,967.1	133.61	101,273.2	25.2	15,386.8	139,916.5	256,601.8
2020	2	1,691,015,978.2	133.41	108,633.0	17.8	11,587.0	105,364.1	225,601.9
2020	3	1,429,618,913.7	133.19	81,241.5	242.9	10,791.4	98,129.4	190,405.2
2020	4	1,106,933,736.9	132.76	40,162.6	1,899.8	10,392.7	94,503.2	146,958.3
2020	5	850,443,887.5	132.42	9,362.5	6,190.2	9,616.9	87,449.0	112,618.6
2020	6	942,004,185.8	132.25	1,143.7	18,936.8	10,353.0	94,142.7	124,576.2
2020	7	1,153,156,268.5	132.15	2.3	38,635.0	11,270.3	102,484.2	152,391.9
2020	8	1,169,829,470.4	132.15	0.0	43,427.3	11,014.1	100,154.4	154,595.8
2020	9	1,086,923,851.7	132.11	25.8	35,031.9	10,753.8	97,787.0	143,598.5
2020	10	851,954,228.9	132.04	3,453.7	12,003.4	9,614.2	87,424.4	112,495.8
2020	11	981,058,439.7	132.18	25,882.6	1,658.4	10,119.1	92,015.7	129,675.7
2020	12	1,536,280,223.2	132.35	67,385.6	166.9	13,451.2	122,315.6	203,319.4
2021	1	1,910,187,503.3	132.48	99,518.1	24.8	14,669.9	138,843.2	253,056.0
2021	2	1,680,885,257.6	132.29	106,787.9	17.5	11,043.7	104,523.1	222,372.2
2021	3	1,421,597,294.0	132.08	79,888.6	239.4	10,285.8	97,350.1	187,763.9
2021	4	1,101,693,309.9	131.67	39,510.5	1,872.7	9,907.1	93,765.1	145,055.4
2021	5	847,186,505.0	131.34	9,214.8	6,104.1	9,169.0	86,779.9	111,267.8
2021	6	938,862,937.0	131.17	1,126.2	18,681.3	9,875.7	93,468.4	123,151.6
2021	7	1,149,499,487.3	131.09	2.3	38,123.6	10,756.3	101,802.8	150,685.0
2021	8	1,166,132,975.6	131.10	0.0	42,862.7	10,513.2	99,502.2	152,878.1
2021	9	1,083,522,408.6	131.07	25.4	34,586.7	10,263.9	97,142.4	142,018.3
2021	10	849,160,479.8	131.01	3,404.4	11,853.5	9,173.1	86,818.6	111,249.6
2021	11	977,455,018.9	131.16	25,518.4	1,638.0	9,655.9	91,387.8	128,200.1
2021	12	1,530,378,947.9	131.33	66,449.4	164.9	12,841.2	121,535.0	200,990.5
2022	1	1,906,705,798.7	131.48	98,475.9	24.6	14,242.9	137,943.8	250,687.3
2022	2	1,677,413,360.5	131.31	105,676.1	17.4	10,721.5	103,838.5	220,253.5
2022	3	1,418,864,952.0	131.10	79,069.1	237.3	9,986.8	96,722.3	186,015.5
2022	4	1,099,876,411.9	130.70	39,106.9	1,856.8	9,619.9	93,169.6	143,753.2
2022	5	846,040,229.7	130.38	9,120.1	6,052.1	8,903.8	86,233.5	110,309.5
2022	6	937,759,656.5	130.23	1,114.5	18,521.3	9,591.6	92,895.1	122,122.5

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Customers	Heating	Cooling	Lighting	Other	Total Energy
2022	7	1,148,217,698.8	130.16	2.3	37,795.5	10,449.2	101,200.7	149,447.6
2022	8	1,164,744,858.3	130.18	0.0	42,492.9	10,213.5	98,918.5	151,624.9
2022	9	1,082,081,662.4	130.16	25.1	34,287.5	9,970.4	96,563.9	140,846.9
2022	10	847,772,147.9	130.11	3,368.7	11,750.8	8,908.5	86,279.8	110,307.7
2022	11	975,366,986.5	130.27	25,248.0	1,623.7	9,376.8	90,814.6	127,063.0
2022	12	1,526,634,225.9	130.46	65,737.4	163.5	12,472.0	120,792.0	199,164.9
2023	1	1,901,477,208.7	130.61	97,345.5	24.4	13,937.4	137,052.4	248,359.7
2023	2	1,672,054,896.2	130.45	104,463.6	17.2	10,490.3	103,154.9	218,126.0
2023	3	1,414,414,472.9	130.26	78,152.9	235.2	9,771.1	96,083.5	184,242.8
2023	4	1,096,998,129.7	129.87	38,653.1	1,840.3	9,412.8	92,560.1	142,466.3
2023	5	844,402,521.2	129.56	9,014.9	5,998.5	8,712.9	85,677.4	109,403.7
2023	6	936,236,381.5	129.42	1,101.7	18,357.7	9,388.3	92,318.6	121,166.2
2023	7	1,146,444,227.7	129.36	2.2	37,463.5	10,230.8	100,603.7	148,300.3
2023	8	1,162,862,193.2	129.39	0.0	42,120.5	10,000.7	98,340.7	150,461.8
2023	9	1,080,205,596.6	129.38	24.8	33,986.4	9,761.4	95,988.0	139,760.6
2023	10	846,074,928.5	129.35	3,329.9	11,647.4	8,719.2	85,739.1	109,435.6
2023	11	972,782,953.3	129.51	24,957.6	1,609.4	9,177.2	90,242.8	125,987.0
2023	12	1,521,970,547.9	129.71	64,984.2	162.0	12,209.3	120,058.7	197,414.2
2024	1	1,895,222,472.8	129.87	96,201.9	24.2	13,687.0	136,225.3	246,138.4
2024	2	1,665,669,802.3	129.72	103,239.2	17.1	10,300.3	102,517.9	216,074.5
2024	3	1,409,425,538.1	129.54	77,248.7	233.4	9,595.0	95,498.1	182,575.1
2024	4	1,094,034,909.3	129.16	38,216.7	1,825.9	9,244.9	92,014.0	141,301.6
2024	5	842,845,025.4	128.86	8,914.3	5,952.5	8,558.6	85,183.4	108,608.9
2024	6	934,920,837.6	128.72	1,089.6	18,219.6	9,224.7	91,812.7	120,346.7
2024	7	1,145,017,799.6	128.67	2.2	37,187.5	10,055.9	100,085.3	147,331.0
2024	8	1,161,488,226.0	128.71	0.0	41,819.6	9,831.1	97,847.8	149,498.4
2024	9	1,078,949,155.9	128.72	24.6	33,751.0	9,595.8	95,506.5	138,877.8
2024	10	844,913,780.6	128.69	3,296.3	11,568.6	8,569.8	85,294.1	108,728.8
2024	11	970,873,157.1	128.86	24,712.0	1,598.9	9,020.2	89,777.4	125,108.5
2024	12	1,518,014,083.8	129.07	64,326.4	160.9	12,000.4	119,439.3	195,927.0
2025	1	1,890,384,943.0	129.24	95,261.1	24.1	13,522.3	135,505.7	244,313.1
2025	2	1,660,692,442.6	129.10	102,230.8	17.0	10,175.5	101,967.8	214,391.1
2025	3	1,405,486,165.0	128.92	76,496.9	232.0	9,479.2	94,989.8	181,198.0

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Customers	Heating	Cooling	Lighting	Other	Total Energy
2025	4	1,091,497,854.7	128.55	37,836.9	1,815.4	9,133.3	91,523.8	140,309.5
2025	5	841,574,655.2	128.26	8,826.3	5,918.4	8,456.2	84,738.6	107,939.5
2025	6	933,837,101.3	128.13	1,078.7	18,113.5	9,115.5	91,345.6	119,653.3
2025	7	1,143,784,122.0	128.09	2.2	36,966.6	9,938.8	99,595.0	146,502.6
2025	8	1,160,182,194.2	128.13	0.0	41,571.2	9,716.9	97,371.7	148,659.8
2025	9	1,077,592,296.7	128.15	24.3	33,551.1	9,483.2	95,029.7	138,088.3
2025	10	843,556,400.1	128.12	3,263.2	11,501.2	8,467.1	84,847.5	108,078.9
2025	11	968,552,299.8	128.31	24,465.3	1,589.7	8,911.8	89,303.9	124,270.7
2025	12	1,514,159,840.4	128.52	63,724.2	160.1	11,860.5	118,853.1	194,598.0
2026	1	1,885,716,882.4	128.70	94,389.5	24.0	13,391.4	134,882.2	242,687.1
2026	2	1,656,123,045.1	128.56	101,318.6	16.9	10,077.3	101,501.3	212,914.2
2026	3	1,402,054,920.3	128.39	75,827.8	231.0	9,388.8	94,566.4	180,014.0
2026	4	1,089,652,007.4	128.03	37,514.3	1,807.7	9,047.9	91,133.0	139,502.9
2026	5	840,862,815.9	127.74	8,752.2	5,893.9	8,378.4	84,389.8	107,414.3
2026	6	933,588,008.1	127.62	1,070.0	18,043.5	9,034.5	90,997.6	119,145.6
2026	7	1,143,808,624.6	127.58	2.2	36,833.0	9,852.9	99,241.7	145,929.8
2026	8	1,160,224,638.2	127.64	0.0	41,424.1	9,633.4	97,030.5	148,088.0
2026	9	1,077,555,420.9	127.65	24.1	33,434.5	9,401.4	94,693.9	137,553.9
2026	10	843,251,169.0	127.64	3,238.7	11,462.0	8,393.0	84,536.6	107,630.3
2026	11	967,551,473.8	127.83	24,286.5	1,584.5	8,833.5	88,973.4	123,677.8
2026	12	1,511,949,387.6	128.04	63,265.2	159.6	11,756.5	118,415.3	193,596.6
2027	1	1,883,835,750.3	128.23	93,802.0	23.9	13,290.0	134,445.8	241,561.7
2027	2	1,654,181,640.5	128.10	100,695.1	16.9	10,002.1	101,183.8	211,897.9
2027	3	1,400,738,807.6	127.93	75,369.9	230.6	9,319.9	94,282.8	179,203.2
2027	4	1,089,221,312.9	127.57	37,291.3	1,804.8	8,983.1	90,875.3	138,954.4
2027	5	841,112,081.7	127.30	8,700.6	5,884.9	8,319.7	84,164.3	107,069.5
2027	6	934,232,768.6	127.18	1,063.7	18,015.9	8,971.9	90,762.6	118,814.1
2027	7	1,144,770,787.7	127.14	2.2	36,776.0	9,785.0	98,988.0	145,551.2
2027	8	1,161,199,517.4	127.20	0.0	41,360.4	9,567.0	96,782.1	147,709.5
2027	9	1,078,376,245.7	127.23	24.0	33,384.9	9,336.6	94,451.3	137,196.7
2027	10	843,549,870.9	127.21	3,219.6	11,444.9	8,334.3	84,312.1	107,310.9
2027	11	967,111,016.3	127.41	24,141.6	1,582.0	8,770.2	88,722.3	123,216.1
2027	12	1,510,437,400.2	127.63	62,881.2	159.3	11,670.8	118,065.2	192,776.6

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Customers	Heating	Cooling	Lighting	Other	Total Energy
2028	1	1,882,279,143.8	127.82	93,287.0	23.9	13,196.0	134,082.8	240,589.7
2028	2	1,652,534,895.0	127.69	100,145.5	16.9	9,932.3	100,921.2	211,015.9
2028	3	1,399,597,915.4	127.53	74,960.8	230.5	9,255.9	94,047.7	178,494.8
2028	4	1,088,878,473.7	127.17	37,089.8	1,804.0	8,922.6	90,661.2	138,477.6
2028	5	841,432,502.4	126.90	8,653.6	5,882.3	8,264.9	83,978.2	106,779.0
2028	6	935,028,410.8	126.79	1,058.0	18,008.0	8,913.7	90,571.2	118,550.9
2028	7	1,146,021,032.1	126.76	2.2	36,760.4	9,721.9	98,783.5	145,267.9
2028	8	1,162,500,441.1	126.82	0.0	41,343.3	9,505.3	96,582.2	147,430.8
2028	9	1,079,452,036.7	126.85	23.9	33,371.5	9,276.1	94,253.7	136,925.2
2028	10	843,991,697.7	126.84	3,202.4	11,440.5	8,279.6	84,128.4	107,050.9
2028	11	966,829,673.1	127.04	24,012.5	1,581.4	8,711.5	88,516.1	122,821.5
2028	12	1,509,265,424.2	127.26	62,545.5	159.3	11,591.2	117,776.3	192,072.2
2029	1	1,881,895,236.1	127.45	92,766.7	23.9	13,129.2	133,935.7	239,855.4
2029	2	1,651,770,901.6	127.33	99,583.6	16.9	9,884.7	100,837.4	210,322.5
2029	3	1,399,327,919.2	127.18	74,537.3	230.6	9,212.5	93,979.9	177,960.3
2029	4	1,089,527,141.4	126.82	36,879.0	1,804.2	8,882.1	90,609.0	138,174.3
2029	5	842,778,005.6	126.55	8,604.1	5,882.9	8,228.2	83,938.9	106,654.0
2029	6	936,834,430.3	126.44	1,051.9	18,009.4	8,873.3	90,519.6	118,454.2
2029	7	1,148,257,974.4	126.41	2.1	36,762.1	9,676.6	98,715.0	145,155.9
2029	8	1,164,765,108.6	126.48	0.0	41,344.0	9,461.0	96,515.4	147,320.4
2029	9	1,081,543,431.6	126.51	23.7	33,370.8	9,233.7	94,196.4	136,824.6
2029	10	845,463,424.6	126.50	3,183.3	11,439.8	8,242.8	84,088.2	106,954.2
2029	11	967,474,610.5	126.70	23,868.4	1,581.3	8,671.5	88,460.8	122,582.1
2029	12	1,508,874,665.0	126.93	62,167.7	159.2	11,534.2	117,664.8	191,526.0
2030	1	1,878,652,388.6	127.13	92,225.4	23.9	12,560.9	134,019.4	238,829.5
2030	2	1,648,471,837.0	127.01	98,998.9	16.9	9,456.5	100,897.6	209,369.9
2030	3	1,396,733,856.4	126.86	74,096.8	230.5	8,814.0	94,042.0	177,183.3
2030	4	1,088,050,349.3	126.50	36,659.6	1,803.5	8,498.9	90,679.9	137,641.9
2030	5	842,283,596.0	126.24	8,552.6	5,880.4	7,874.6	84,019.2	106,326.8
2030	6	936,897,196.5	126.13	1,045.5	18,001.4	8,494.2	90,629.4	118,170.5
2030	7	1,148,723,927.2	126.11	2.1	36,745.1	9,264.5	98,848.8	144,860.6
2030	8	1,165,242,136.3	126.18	0.0	41,324.1	9,057.8	96,642.8	147,024.7
2030	9	1,081,743,433.2	126.21	23.6	33,354.3	8,838.7	94,305.8	136,522.5

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Customers	Heating	Cooling	Lighting	Other	Total Energy
2030	10	845,036,206.6	126.20	3,163.9	11,434.0	7,887.9	84,160.9	106,646.7
2030	11	966,078,690.4	126.41	23,722.3	1,580.5	8,296.4	88,518.9	122,118.1
2030	12	1,506,030,470.5	126.64	61,785.9	159.2	11,035.2	117,741.0	190,721.3
2031	1	1,875,500,521.0	126.84	91,680.8	23.9	12,047.3	134,129.3	237,881.3
2031	2	1,645,286,555.3	126.72	98,417.8	16.9	9,070.2	100,984.3	208,489.2
2031	3	1,394,361,024.2	126.57	73,664.6	230.8	8,454.8	94,132.2	176,482.3
2031	4	1,086,902,596.4	126.22	36,447.0	1,805.8	8,153.8	90,781.1	137,187.7
2031	5	842,192,077.3	125.95	8,503.3	5,887.8	7,556.4	84,130.4	106,077.8
2031	6	937,521,420.6	125.85	1,039.5	18,024.4	8,152.8	90,770.4	117,987.2
2031	7	1,149,983,237.6	125.83	2.1	36,792.8	8,893.1	99,012.6	144,700.7
2031	8	1,166,586,547.0	125.90	0.0	41,378.6	8,694.5	96,800.8	146,873.8
2031	9	1,082,770,750.0	125.93	23.5	33,399.1	8,483.4	94,451.1	136,357.2
2031	10	845,201,385.2	125.93	3,146.1	11,449.6	7,569.4	84,274.1	106,439.2
2031	11	965,242,645.0	126.14	23,589.9	1,582.7	7,959.8	88,621.5	121,753.9
2031	12	1,503,959,109.8	126.37	61,443.1	159.4	10,586.9	117,870.3	190,059.7
2032	1	1,872,662,656.8	126.57	91,130.7	23.9	11,607.5	134,266.3	237,028.4
2032	2	1,642,291,014.5	126.46	97,827.6	16.9	8,739.9	101,096.7	207,681.1
2032	3	1,392,201,834.5	126.31	73,223.3	231.0	8,147.8	94,247.0	175,849.0
2032	4	1,086,033,895.2	125.96	36,228.5	1,807.3	7,858.8	90,905.0	136,799.7
2032	5	842,408,946.1	125.70	8,452.3	5,893.0	7,284.5	84,261.4	105,891.2
2032	6	938,400,487.1	125.60	1,033.3	18,040.5	7,860.7	90,927.1	117,861.7
2032	7	1,151,386,863.2	125.58	2.1	36,826.1	8,574.8	99,187.2	144,590.3
2032	8	1,168,042,328.5	125.65	0.0	41,416.7	8,383.1	96,968.9	146,768.7
2032	9	1,083,960,248.8	125.69	23.3	33,430.3	8,179.1	94,609.2	136,241.8
2032	10	845,641,815.2	125.69	3,127.4	11,460.4	7,296.9	84,405.0	106,289.8
2032	11	964,655,411.9	125.90	23,450.1	1,584.2	7,671.9	88,742.3	121,448.4
2032	12	1,502,018,811.8	126.14	61,079.8	159.5	10,202.6	118,015.8	189,457.7
2033	1	1,870,338,201.4	126.34	90,608.9	24.0	11,253.6	134,408.1	236,294.5
2033	2	1,639,750,814.9	126.23	97,267.8	16.9	8,474.7	101,218.8	206,978.3
2033	3	1,390,460,709.3	126.08	72,804.5	231.2	7,901.4	94,371.6	175,308.7
2033	4	1,085,564,521.4	125.73	36,021.5	1,809.2	7,622.5	91,039.8	136,493.0
2033	5	842,978,941.3	125.47	8,404.1	5,899.0	7,066.8	84,402.7	105,772.5
2033	6	939,604,043.2	125.37	1,027.4	18,059.0	7,626.7	91,089.8	117,802.8

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Customers	Heating	Cooling	Lighting	Other	Total Energy
2033	7	1,153,091,084.8	125.36	2.1	36,864.2	8,319.4	99,363.5	144,549.2
2033	8	1,169,786,749.9	125.43	0.0	41,459.8	8,133.1	97,138.7	146,731.6
2033	9	1,085,466,797.6	125.47	23.2	33,465.3	7,935.0	94,772.3	136,195.7
2033	10	846,425,535.9	125.48	3,109.7	11,472.5	7,078.7	84,545.6	106,206.5
2033	11	964,445,021.0	125.69	23,317.0	1,585.9	7,441.0	88,872.7	121,216.7
2033	12	1,500,525,102.4	125.92	60,733.6	159.7	9,893.7	118,165.9	188,953.0
2034	1	1,868,158,366.1	126.13	90,076.0	24.0	10,992.0	134,536.8	235,628.7
2034	2	1,637,286,106.5	126.02	96,696.2	16.9	8,279.3	101,335.6	206,328.0
2034	3	1,388,853,125.7	125.87	72,377.2	231.4	7,720.2	94,492.0	174,820.8
2034	4	1,085,312,539.5	125.53	35,810.3	1,810.6	7,448.8	91,170.4	136,240.2
2034	5	843,796,273.5	125.27	8,354.9	5,903.7	6,907.0	84,539.0	105,704.6
2034	6	941,022,041.6	125.17	1,021.4	18,073.8	7,454.7	91,242.0	117,791.9
2034	7	1,154,952,649.7	125.16	2.1	36,894.9	8,131.4	99,524.4	144,552.7
2034	8	1,171,688,062.6	125.24	0.0	41,495.1	7,949.2	97,294.5	146,738.7
2034	9	1,087,178,467.3	125.28	23.1	33,494.3	7,755.5	94,924.5	136,197.3
2034	10	847,501,864.5	125.28	3,091.7	11,482.7	6,918.8	84,683.4	106,176.6
2034	11	964,541,432.6	125.49	23,182.8	1,587.3	7,271.6	89,000.8	121,042.4
2034	12	1,499,347,217.6	125.73	60,385.4	159.9	9,665.8	118,305.9	188,517.0
2035	1	1,866,951,852.5	125.94	89,624.1	24.0	10,755.7	134,717.1	235,120.9
2035	2	1,635,817,740.0	125.83	96,214.1	17.0	8,103.6	101,498.9	205,833.6
2035	3	1,388,099,170.4	125.69	72,018.2	231.7	7,557.4	94,658.0	174,465.3
2035	4	1,085,709,608.0	125.34	35,633.6	1,813.1	7,293.1	91,347.8	136,087.7
2035	5	845,092,645.0	125.09	8,313.9	5,912.1	6,764.0	84,720.6	105,710.6
2035	6	942,929,771.5	124.99	1,016.4	18,099.9	7,300.6	91,440.7	117,857.5
2035	7	1,157,364,207.4	124.98	2.1	36,948.9	7,962.4	99,730.2	144,643.5
2035	8	1,174,148,371.1	125.06	0.0	41,556.6	7,783.8	97,493.8	146,834.3
2035	9	1,089,439,366.3	125.10	22.9	33,544.6	7,594.5	95,122.7	136,284.8
2035	10	849,056,062.2	125.10	3,076.8	11,500.1	6,775.7	84,867.2	106,219.8
2035	11	965,226,044.3	125.32	23,071.7	1,589.7	7,119.8	89,176.2	120,957.3
2035	12	1,499,050,288.3	125.56	60,096.4	160.1	9,460.8	118,498.6	188,215.9
2036	1	1,866,605,918.2	125.76	89,246.5	24.1	10,551.6	134,929.1	234,751.3
2036	2	1,635,177,645.5	125.66	95,809.9	17.0	7,952.3	101,690.2	205,469.4
2036	3	1,388,028,187.0	125.51	71,716.4	232.2	7,417.5	94,851.1	174,217.2

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Customers	Heating	Cooling	Lighting	Other	Total Energy
2036	4	1,086,595,652.9	125.17	35,484.5	1,817.1	7,159.5	91,551.7	136,012.7
2036	5	846,737,775.7	124.92	8,279.1	5,924.9	6,641.4	84,927.0	105,772.4
2036	6	945,207,128.1	124.82	1,012.2	18,139.1	7,168.2	91,663.0	117,982.4
2036	7	1,160,216,570.1	124.81	2.1	37,028.9	7,816.8	99,957.3	144,805.1
2036	8	1,177,047,639.9	124.89	0.0	41,646.2	7,641.3	97,712.8	147,000.3
2036	9	1,092,101,493.2	124.93	22.8	33,616.6	7,455.8	95,341.2	136,436.5
2036	10	850,932,413.5	124.94	3,063.9	11,524.6	6,652.8	85,072.8	106,314.1
2036	11	966,264,132.2	125.15	22,974.3	1,593.1	6,989.0	89,372.3	120,928.7
2036	12	1,499,278,613.9	125.39	59,842.3	160.4	9,283.6	118,713.4	187,999.7
2037	1	1,865,458,474.2	125.60	88,789.1	24.1	10,372.8	135,117.8	234,303.9
2037	2	1,633,646,954.6	125.49	95,315.6	17.0	7,819.7	101,860.6	205,012.9
2037	3	1,387,228,832.0	125.35	71,344.1	232.5	7,294.7	95,022.3	173,893.6
2037	4	1,087,025,582.5	125.01	35,299.2	1,819.1	7,042.1	91,732.0	135,892.4
2037	5	848,123,093.2	124.76	8,235.6	5,931.3	6,533.7	85,109.5	105,810.1
2037	6	947,154,812.3	124.66	1,006.8	18,158.0	7,051.8	91,858.3	118,075.0
2037	7	1,162,558,641.4	124.65	2.1	37,066.5	7,688.8	100,155.9	144,913.4
2037	8	1,179,397,174.9	124.73	0.0	41,687.7	7,516.0	97,904.1	147,107.8
2037	9	1,094,280,719.1	124.77	22.7	33,649.2	7,333.8	95,531.1	136,536.9
2037	10	852,512,975.9	124.78	3,047.4	11,535.5	6,544.6	85,250.6	106,378.1
2037	11	966,916,478.0	124.99	22,850.4	1,594.6	6,873.9	89,540.7	120,859.6
2037	12	1,498,742,641.2	125.24	59,518.2	160.6	9,127.3	118,893.4	187,699.5
2038	1	1,864,746,896.3	125.45	88,365.2	24.1	10,217.0	135,319.2	233,925.5
2038	2	1,632,571,024.1	125.34	94,859.7	17.0	7,704.6	102,044.3	204,625.7
2038	3	1,386,828,841.6	125.20	71,001.8	232.8	7,188.4	95,206.8	173,629.8
2038	4	1,087,763,262.4	124.86	35,129.4	1,821.4	6,940.7	91,926.1	135,817.5
2038	5	849,729,190.1	124.60	8,195.9	5,938.8	6,440.7	85,304.9	105,880.4
2038	6	949,318,107.2	124.51	1,002.0	18,180.9	6,951.2	92,065.6	118,199.7
2038	7	1,165,138,065.7	124.50	2.0	37,112.8	7,577.8	100,364.7	145,057.4
2038	8	1,181,987,563.8	124.58	0.0	41,739.2	7,407.2	98,104.9	147,251.2
2038	9	1,096,715,375.7	124.62	22.6	33,690.5	7,228.1	95,733.1	136,674.3
2038	10	854,337,225.9	124.63	3,032.6	11,549.5	6,451.2	85,443.1	106,476.4
2038	11	967,887,195.9	124.84	22,738.8	1,596.5	6,774.5	89,725.0	120,834.7
2038	12	1,498,725,701.1	125.09	59,227.2	160.8	8,991.7	119,091.6	187,471.3

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Customers	Heating	Cooling	Lighting	Other	Total Energy
2039	1	1,864,168,586.9	125.30	87,953.6	24.2	10,075.8	135,518.7	233,572.2
2039	2	1,631,625,207.1	125.19	94,417.4	17.1	7,600.5	102,226.7	204,261.6
2039	3	1,386,554,738.1	125.05	70,671.0	233.0	7,092.3	95,390.9	173,387.1
2039	4	1,088,591,337.6	124.71	34,965.7	1,823.5	6,849.0	92,119.3	135,757.5
2039	5	851,390,664.8	124.45	8,157.7	5,945.5	6,356.9	85,499.5	105,959.7
2039	6	951,520,904.4	124.36	997.3	18,201.6	6,860.4	92,272.0	118,331.3
2039	7	1,167,738,845.1	124.35	2.0	37,155.5	7,477.4	100,571.3	145,206.2
2039	8	1,184,614,286.5	124.43	0.0	41,787.8	7,308.9	98,304.3	147,401.0
2039	9	1,099,212,624.3	124.47	22.5	33,730.5	7,132.8	95,935.2	136,820.9
2039	10	856,260,671.4	124.48	3,018.7	11,563.5	6,367.2	85,638.6	106,588.0
2039	11	969,027,357.1	124.69	22,635.3	1,598.5	6,685.0	89,913.2	120,832.0
2039	12	1,499,022,192.8	124.94	58,959.3	161.0	8,869.5	119,294.4	187,284.2
2040	1	1,862,714,935.0	125.15	87,613.5	24.2	9,615.0	135,858.8	233,111.5
2040	2	1,630,094,473.1	125.04	94,055.5	17.1	7,254.1	102,499.6	203,826.3
2040	3	1,385,619,433.7	124.90	70,402.3	233.2	6,769.9	95,657.7	173,063.2
2040	4	1,088,551,425.1	124.56	34,833.6	1,825.1	6,538.8	92,392.4	135,589.9
2040	5	852,108,257.3	124.31	8,127.1	5,950.9	6,070.4	85,773.3	105,921.7
2040	6	952,792,129.4	124.21	993.6	18,218.4	6,552.3	92,582.9	118,347.2
2040	7	1,169,412,607.9	124.20	2.0	37,190.2	7,141.4	100,906.2	145,239.8
2040	8	1,186,293,674.7	124.28	0.0	41,827.3	6,980.0	98,625.8	147,433.0
2040	9	1,100,667,241.4	124.32	22.4	33,762.2	6,811.3	96,242.0	136,837.9
2040	10	857,112,546.1	124.33	3,007.5	11,574.3	6,079.7	85,904.8	106,566.3
2040	11	969,154,594.1	124.55	22,551.1	1,600.0	6,381.6	90,170.8	120,703.4
2040	12	1,498,338,346.1	124.79	58,739.7	161.1	8,465.0	119,609.6	186,975.4
2041	1	1,860,836,766.8	125.00	87,190.1	24.2	9,221.9	136,162.8	232,599.1
2041	2	1,627,985,822.0	124.89	93,598.1	17.1	6,958.7	102,746.0	203,319.9
2041	3	1,384,241,192.1	124.75	70,057.8	233.3	6,494.9	95,898.5	172,684.6
2041	4	1,088,337,835.3	124.41	34,662.2	1,825.7	6,274.2	92,638.9	135,400.9
2041	5	852,842,308.2	124.16	8,086.9	5,952.8	5,825.9	86,020.1	105,885.6
2041	6	954,059,727.4	124.06	988.6	18,223.7	6,289.2	92,860.6	118,362.1
2041	7	1,170,978,866.2	124.05	2.0	37,200.3	6,854.2	101,202.8	145,259.2
2041	8	1,187,832,569.2	124.13	0.0	41,837.9	6,698.9	98,909.6	147,446.4
2041	9	1,102,030,472.3	124.17	22.3	33,770.4	6,536.6	96,512.9	136,842.1

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Customers	Heating	Cooling	Lighting	Other	Total Energy
2041	10	857,969,873.9	124.18	2,992.3	11,577.0	5,834.1	86,140.7	106,544.0
2041	11	969,143,459.8	124.39	22,437.2	1,600.3	6,122.3	90,396.5	120,556.3
2041	12	1,497,155,038.0	124.64	58,442.2	161.2	8,119.1	119,879.7	186,602.1
2042	1	1,859,508,131.3	124.85	86,788.5	24.2	8,895.4	136,444.1	232,152.2
2042	2	1,626,420,888.2	124.74	93,166.8	17.1	6,713.7	102,980.7	202,878.3
2042	3	1,383,360,774.1	124.60	69,734.8	233.4	6,267.1	96,129.6	172,364.9
2042	4	1,088,544,082.0	124.26	34,502.4	1,826.4	6,055.1	92,877.2	135,261.0
2042	5	853,905,832.8	124.00	8,049.6	5,955.2	5,623.6	86,259.1	105,887.5
2042	6	955,640,466.9	123.91	984.1	18,231.2	6,071.2	93,125.5	118,412.1
2042	7	1,172,881,767.4	123.90	2.0	37,215.9	6,616.0	101,481.6	145,315.4
2042	8	1,189,722,987.6	123.98	0.0	41,855.6	6,465.8	99,176.8	147,498.1
2042	9	1,103,769,547.5	124.02	22.2	33,784.8	6,309.0	96,771.8	136,887.8
2042	10	859,207,156.5	124.03	2,978.6	11,582.0	5,631.0	86,373.1	106,564.7
2042	11	969,607,109.3	124.24	22,334.4	1,601.0	5,907.9	90,620.2	120,463.5
2042	12	1,496,676,332.0	124.48	58,175.1	161.2	7,832.5	120,140.7	186,309.5
2043	1	1,858,723,592.5	124.69	86,406.0	24.2	8,638.7	136,695.1	231,764.1
2043	2	1,625,365,667.4	124.58	92,756.4	17.1	6,521.7	103,196.9	202,492.2
2043	3	1,382,930,862.1	124.44	69,427.6	233.5	6,088.7	96,344.3	172,094.1
2043	4	1,089,122,379.0	124.10	34,350.3	1,827.3	5,883.7	93,100.1	135,161.3
2043	5	855,261,266.0	123.85	8,014.1	5,958.0	5,465.5	86,482.9	105,920.4
2043	6	957,490,668.0	123.75	979.7	18,239.7	5,900.7	93,369.5	118,489.6
2043	7	1,175,049,075.8	123.74	2.0	37,233.0	6,429.2	101,732.9	145,397.2
2043	8	1,191,877,636.8	123.82	0.0	41,874.8	6,282.9	99,417.5	147,575.2
2043	9	1,105,788,544.2	123.86	22.1	33,800.2	6,130.6	97,008.3	136,961.3
2043	10	860,729,533.4	123.87	2,965.4	11,587.2	5,472.3	86,590.5	106,615.4
2043	11	970,395,801.1	124.08	22,235.2	1,601.7	5,740.1	90,828.2	120,405.2
2043	12	1,496,607,727.5	124.32	57,915.7	161.3	7,607.3	120,374.8	186,059.2
2044	1	1,858,643,906.6	124.53	86,061.6	24.2	8,458.1	136,908.9	231,452.8
2044	2	1,624,985,517.3	124.42	92,386.4	17.1	6,387.3	103,389.7	202,180.5
2044	3	1,383,073,266.7	124.28	69,150.7	233.7	5,964.0	96,537.6	171,886.1
2044	4	1,090,134,916.7	123.94	34,213.2	1,828.7	5,764.1	93,302.4	135,108.4
2044	5	856,935,231.2	123.68	7,982.1	5,962.5	5,355.4	86,686.9	105,986.9
2044	6	959,645,722.4	123.59	975.8	18,253.4	5,781.7	93,587.1	118,598.0

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Customers	Heating	Cooling	Lighting	Other	Total Energy
2044	7	1,177,556,273.0	123.57	2.0	37,260.6	6,298.5	101,951.4	145,512.5
2044	8	1,194,382,737.9	123.65	0.0	41,905.4	6,154.8	99,626.7	147,687.0
2044	9	1,108,160,061.0	123.69	22.0	33,824.7	6,006.0	97,217.6	137,070.4
2044	10	862,576,858.8	123.70	2,953.4	11,595.6	5,361.8	86,789.2	106,700.0
2044	11	971,583,143.1	123.91	22,145.6	1,602.9	5,623.0	91,018.1	120,389.6
2044	12	1,497,133,595.5	124.15	57,682.4	161.4	7,449.3	120,579.5	185,872.6
2045	1	1,858,115,957.4	124.36	85,646.6	24.2	8,317.7	137,084.8	231,073.4
2045	2	1,624,083,174.1	124.25	91,939.2	17.1	6,283.2	103,553.8	201,793.2
2045	3	1,382,814,735.7	124.11	68,814.4	233.7	5,867.5	96,703.4	171,619.0
2045	4	1,090,951,141.8	123.77	34,046.2	1,828.6	5,671.8	93,477.1	135,023.7
2045	5	858,548,031.3	123.51	7,943.0	5,962.2	5,270.5	86,864.0	106,039.6
2045	6	961,696,201.0	123.41	971.0	18,252.1	5,689.8	93,773.6	118,686.5
2045	7	1,179,845,405.2	123.40	2.0	37,257.7	6,197.1	102,135.7	145,592.5
2045	8	1,196,647,246.2	123.48	0.0	41,901.9	6,055.6	99,803.1	147,760.5
2045	9	1,110,339,396.0	123.52	21.9	33,821.5	5,909.5	97,394.9	137,147.7
2045	10	864,354,890.5	123.53	2,938.8	11,594.4	5,276.4	86,960.3	106,769.8
2045	11	972,630,570.0	123.74	22,035.5	1,602.7	5,532.3	91,179.3	120,349.9
2045	12	1,497,274,032.1	123.98	57,395.1	161.4	7,326.3	120,745.4	185,628.2
2046	1	1,857,636,878.1	124.18	85,228.6	24.2	8,195.5	137,239.4	230,687.7
2046	2	1,623,225,342.3	124.07	91,488.7	17.1	6,192.7	103,702.0	201,400.6
2046	3	1,382,600,797.0	123.93	68,476.0	233.6	5,783.8	96,854.4	171,347.9
2046	4	1,091,802,162.2	123.59	33,877.9	1,828.3	5,591.7	93,637.2	134,935.1
2046	5	860,179,719.0	123.33	7,903.5	5,960.9	5,196.9	87,026.4	106,087.7
2046	6	963,751,958.9	123.23	966.2	18,248.0	5,610.0	93,943.5	118,767.6
2046	7	1,182,123,312.9	123.22	2.0	37,248.6	6,109.1	102,301.2	145,660.8
2046	8	1,198,892,580.9	123.30	0.0	41,891.0	5,969.3	99,960.8	147,821.1
2046	9	1,112,513,887.8	123.34	21.8	33,812.3	5,825.6	97,554.7	137,214.4
2046	10	866,150,924.4	123.34	2,923.9	11,591.0	5,202.3	87,116.5	106,833.7
2046	11	973,706,160.5	123.55	21,923.6	1,602.2	5,453.6	91,325.1	120,304.5
2046	12	1,497,443,586.8	123.79	57,102.7	161.4	7,219.1	120,890.3	185,373.5
2047	1	1,857,314,296.8	124.00	84,811.9	24.2	8,090.4	137,377.6	230,304.1
2047	2	1,622,526,025.7	123.89	91,040.4	17.1	6,115.2	103,839.5	201,012.2
2047	3	1,382,530,296.0	123.74	68,139.6	233.6	5,712.2	96,995.6	171,080.9

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Customers	Heating	Cooling	Lighting	Other	Total Energy
2047	4	1,092,782,072.3	123.40	33,711.1	1,827.8	5,523.4	93,788.9	134,851.1
2047	5	861,915,428.8	123.14	7,864.5	5,959.2	5,134.2	87,181.3	106,139.3
2047	6	965,907,501.3	123.05	961.4	18,242.6	5,541.9	94,104.3	118,850.3
2047	7	1,184,503,969.7	123.03	2.0	37,237.2	6,033.8	102,455.8	145,728.8
2047	8	1,201,249,886.7	123.11	0.0	41,877.9	5,895.5	100,108.7	147,882.1
2047	9	1,114,803,170.1	123.15	21.7	33,801.1	5,754.0	97,705.8	137,282.6
2047	10	868,066,252.3	123.15	2,909.3	11,587.0	5,139.3	87,266.9	106,902.5
2047	11	974,935,245.2	123.36	21,813.6	1,601.6	5,386.5	91,465.7	120,267.4
2047	12	1,497,828,756.4	123.60	56,815.1	161.3	7,127.4	121,025.9	185,129.6
2048	1	1,857,202,975.6	123.80	84,406.3	24.2	7,996.3	137,500.4	229,927.2
2048	2	1,622,027,529.7	123.69	90,602.9	17.1	6,046.1	103,965.9	200,632.0
2048	3	1,382,618,697.1	123.55	67,810.7	233.5	5,648.4	97,126.7	170,819.3
2048	4	1,093,849,351.0	123.20	33,547.1	1,827.2	5,462.4	93,929.5	134,766.3
2048	5	863,699,579.6	122.94	7,826.0	5,957.2	5,078.4	87,325.7	106,187.3
2048	6	968,087,355.2	122.85	956.7	18,235.6	5,481.2	94,251.8	118,925.2
2048	7	1,186,897,034.6	122.83	2.0	37,221.8	5,966.4	102,595.1	145,785.3
2048	8	1,203,598,324.0	122.91	0.0	41,859.0	5,829.5	100,240.6	147,929.1
2048	9	1,117,082,831.8	122.94	21.6	33,784.7	5,689.9	97,841.5	137,337.7
2048	10	869,977,428.7	122.95	2,894.5	11,580.9	5,082.9	87,403.1	106,961.5
2048	11	976,153,512.9	123.16	21,701.7	1,600.7	5,326.4	91,590.2	120,219.1
2048	12	1,498,182,875.8	123.39	56,521.5	161.2	7,044.9	121,139.8	184,867.4
2049	1	1,856,777,560.2	123.60	83,947.9	24.2	7,909.7	137,612.2	229,494.0
2049	2	1,621,175,666.4	123.49	90,108.8	17.1	5,982.6	104,084.8	200,193.3
2049	3	1,382,451,886.2	123.34	67,439.4	233.3	5,589.8	97,251.0	170,513.5
2049	4	1,094,806,276.8	123.00	33,362.2	1,825.2	5,406.6	94,063.6	134,657.5
2049	5	865,462,557.0	122.74	7,782.6	5,950.4	5,027.3	87,464.1	106,224.3
2049	6	970,203,077.7	122.64	951.3	18,214.2	5,425.5	94,392.0	118,983.0
2049	7	1,189,115,668.7	122.62	1.9	37,176.8	5,904.5	102,726.1	145,809.3
2049	8	1,205,743,176.0	122.70	0.0	41,806.8	5,768.8	100,364.4	147,939.9
2049	9	1,119,208,874.2	122.73	21.5	33,741.4	5,631.2	97,969.8	137,363.8
2049	10	871,854,104.2	122.74	2,877.9	11,565.7	5,031.3	87,533.5	107,008.4
2049	11	977,310,408.6	122.94	21,576.2	1,598.6	5,271.3	91,708.8	120,154.9
2049	12	1,498,328,647.3	123.18	56,192.6	161.0	6,969.0	121,245.1	184,567.6

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Customers	Heating	Cooling	Lighting	Other	Total Energy
2050	1	1,856,799,368.2	123.39	83,525.2	24.2	7,833.2	137,719.3	229,101.8
2050	2	1,620,777,062.8	123.27	89,652.9	17.1	5,926.8	104,201.8	199,798.5
2050	3	1,382,647,225.5	123.13	67,096.7	233.1	5,538.4	97,373.8	170,242.1
2050	4	1,095,998,659.7	122.78	33,191.3	1,823.8	5,357.7	94,196.5	134,569.3
2050	5	867,370,765.0	122.52	7,742.5	5,945.8	4,982.6	87,601.4	106,272.2
2050	6	972,478,051.1	122.42	946.4	18,199.4	5,376.7	94,530.2	119,052.6
2050	7	1,191,550,232.2	122.40	1.9	37,145.4	5,850.1	102,853.2	145,850.6
2050	8	1,208,116,143.8	122.48	0.0	41,769.9	5,715.3	100,484.4	147,969.6
2050	9	1,121,540,613.2	122.52	21.3	33,710.5	5,579.4	98,095.4	137,406.7
2050	10	873,873,499.5	122.52	2,862.5	11,554.6	4,986.1	87,663.1	107,066.2
2050	11	978,649,195.1	122.73	21,459.9	1,597.0	5,222.9	91,826.5	120,106.2
2050	12	1,498,794,617.0	122.96	55,887.3	160.8	6,902.0	121,347.5	184,297.6
2051	1	1,859,339,835.4	123.17	83,430.9	24.2	7,737.6	137,815.5	229,008.2
2051	2	1,623,135,276.9	123.05	89,550.9	17.1	5,856.4	104,308.9	199,733.2
2051	3	1,384,891,825.9	122.91	67,019.7	233.2	5,473.4	97,487.7	170,214.1
2051	4	1,098,167,352.6	122.56	33,152.4	1,824.4	5,295.7	94,321.2	134,593.7
2051	5	869,477,093.9	122.30	7,733.3	5,947.7	4,925.7	87,731.8	106,338.4
2051	6	974,853,310.8	122.20	945.2	18,204.6	5,314.9	94,663.1	119,127.8
2051	7	1,194,247,057.2	122.18	1.9	37,155.2	5,781.7	102,977.3	145,916.1
2051	8	1,210,804,140.9	122.26	0.0	41,779.8	5,648.3	100,602.0	148,030.0
2051	9	1,124,107,387.5	122.29	21.3	33,717.7	5,514.4	98,217.7	137,471.2
2051	10	876,006,701.5	122.30	2,858.7	11,556.8	4,928.9	87,788.1	107,132.4
2051	11	980,624,091.1	122.50	21,430.9	1,597.2	5,161.9	91,939.6	120,129.7
2051	12	1,501,022,815.7	122.74	55,810.4	160.8	6,818.6	121,446.1	184,235.9
2052	1	1,861,949,371.1	122.94	83,336.1	24.2	7,643.0	137,909.4	228,912.6
2052	2	1,625,553,680.2	122.83	89,447.8	17.1	5,786.7	104,414.6	199,666.2
2052	3	1,387,185,431.7	122.68	66,941.7	233.3	5,409.0	97,600.3	170,184.4
2052	4	1,100,374,725.2	122.34	33,112.9	1,824.9	5,234.2	94,444.7	134,616.7
2052	5	871,613,954.9	122.08	7,723.9	5,949.2	4,869.3	87,861.1	106,403.4
2052	6	977,254,748.8	121.98	944.0	18,208.7	5,253.5	94,794.5	119,200.7
2052	7	1,196,963,447.8	121.96	1.9	37,162.6	5,713.8	103,099.2	145,977.4
2052	8	1,213,506,971.3	122.03	0.0	41,786.7	5,581.8	100,717.2	148,085.7
2052	9	1,126,688,969.3	122.07	21.3	33,722.4	5,449.9	98,337.8	137,531.4

Kentucky Power Company
 Residential Model Output Data

Year	Month	Total Usage	Customers	Heating	Cooling	Lighting	Other	Total Energy
2052	10	878,157,872.1	122.07	2,854.8	11,558.0	4,872.1	87,911.3	107,196.2
2052	11	982,615,722.6	122.28	21,400.9	1,597.3	5,101.5	92,050.5	120,150.3
2052	12	1,503,262,586.9	122.51	55,730.6	160.8	6,735.9	121,541.3	184,168.6
2053	1	1,864,569,552.3	122.71	83,237.3	24.2	7,549.1	137,999.1	228,809.7
2053	2	1,627,979,353.9	122.60	89,340.5	17.1	5,717.5	104,517.4	199,592.6
2053	3	1,389,487,635.3	122.45	66,860.6	233.3	5,345.1	97,710.3	170,149.3
2053	4	1,102,593,778.0	122.11	33,071.7	1,825.3	5,173.1	94,565.7	134,635.9
2053	5	873,763,537.4	121.85	7,714.1	5,950.3	4,813.3	87,988.0	106,465.7
2053	6	979,666,494.0	121.75	942.8	18,211.5	5,192.7	94,923.2	119,270.2
2053	7	1,199,684,848.9	121.73	1.9	37,167.3	5,646.4	103,218.2	146,033.9
2053	8	1,216,212,575.9	121.80	0.0	41,790.8	5,515.8	100,829.7	148,136.3
2053	9	1,129,275,224.0	121.84	21.3	33,724.8	5,385.9	98,455.3	137,587.2
2053	10	880,318,664.2	121.84	2,850.7	11,558.5	4,815.7	88,032.2	107,257.1
2053	11	984,616,207.1	122.05	21,369.9	1,597.4	5,041.5	92,159.0	120,167.8
2053	12	1,505,506,503.7	122.28	55,648.0	160.8	6,653.8	121,633.1	184,095.8
2054	1	1,867,202,191.7	122.48	83,136.2	24.2	7,456.0	138,084.7	228,701.1
2054	2	1,630,417,220.2	122.37	89,230.8	17.1	5,648.9	104,617.4	199,514.2
2054	3	1,391,802,944.8	122.22	66,777.7	233.4	5,281.7	97,817.7	170,110.5
2054	4	1,104,826,659.2	121.88	33,029.8	1,825.6	5,112.6	94,684.4	134,652.4
2054	5	875,926,300.0	121.62	7,704.1	5,951.1	4,757.7	88,113.0	106,526.0
2054	6	982,091,013.0	121.51	941.6	18,213.5	5,132.3	95,049.9	119,337.3
2054	7	1,202,418,170.1	121.49	1.9	37,170.6	5,579.7	103,334.9	146,087.1
2054	8	1,218,929,941.5	121.57	0.0	41,793.2	5,450.3	100,940.1	148,183.6
2054	9	1,131,874,622.8	121.60	21.2	33,725.9	5,322.4	98,570.8	137,640.4
2054	10	882,494,276.6	121.61	2,846.7	11,558.5	4,759.8	88,151.5	107,316.5
2054	11	986,634,021.7	121.81	21,338.6	1,597.3	4,982.0	92,266.0	120,183.9
2054	12	1,507,773,471.6	122.05	55,565.0	160.8	6,572.5	121,722.7	184,021.0

LONG-TERM COMMERCIAL

Kentucky Power Company
 Commercial Model Input Data

Year	Month	Sales	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on
2004	1	131,261.21	22,282.58	59.07	122,709.10	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	2	125,201.65	28,697.29	19.68	109,428.25	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	3	109,248.07	16,663.63	177.13	108,342.87	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	4	106,039.03	9,210.42	981.60	113,315.28	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	5	102,893.62	2,276.71	5,449.01	109,758.39	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	6	117,520.06	157.70	14,942.73	115,541.18	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	7	118,976.06	0.00	19,086.64	113,077.94	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	8	114,443.78	0.00	18,834.99	108,520.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	9	117,319.08	0.00	16,505.28	110,858.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
2004	10	105,855.61	385.20	4,905.55	110,929.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
2004	11	98,814.81	2,482.32	978.90	107,921.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
2004	12	117,815.55	11,447.38	142.26	120,136.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2005	1	129,923.75	19,246.30	0.00	120,452.86	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2005	2	124,572.17	23,107.99	0.00	109,244.64	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2005	3	117,738.85	19,718.94	0.00	108,527.70	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2005	4	108,703.50	9,162.31	435.74	112,096.84	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2005	5	100,091.47	2,645.28	1,603.15	107,318.06	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2005	6	112,547.88	360.48	9,355.04	114,530.24	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2005	7	123,433.60	0.00	26,629.48	111,708.79	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2005	8	128,530.45	0.00	33,955.01	107,988.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00
2005	9	129,452.72	0.00	25,579.75	112,374.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
2005	10	112,861.11	224.64	11,774.69	108,078.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
2005	11	105,939.34	5,660.12	741.32	110,260.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	0.00
2005	12	127,394.44	19,199.28	109.13	117,993.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2006	1	135,491.87	18,608.89	0.00	120,549.55	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2006	2	120,935.03	15,825.39	0.00	108,789.98	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2006	3	113,477.41	17,915.68	101.11	104,482.61	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2006	4	104,629.62	9,301.89	1,217.16	105,164.90	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2006	5	103,898.11	760.35	2,043.74	109,028.98	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2006	6	112,025.55	146.77	7,722.80	112,505.84	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2006	7	121,843.93	0.00	19,058.62	111,168.46	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2006	8	125,800.38	0.00	30,028.70	104,504.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00
2006	9	127,451.38	34.75	19,078.93	111,887.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
2006	10	107,090.52	1,439.10	2,688.09	107,396.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00

Kentucky Power Company
 Commercial Model Input Data

Year	Month	Sales	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on
2006	11	105,875.30	7,923.25	185.32	107,055.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	0.00
2006	12	121,307.33	12,484.91	193.54	114,832.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2007	1	127,171.78	13,035.70	21.35	117,798.91	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2007	2	132,079.58	26,199.44	0.00	104,799.07	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2007	3	122,153.43	22,093.18	163.41	103,803.44	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2007	4	112,596.65	7,630.17	2,127.02	109,783.39	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2007	5	109,476.17	2,875.83	3,688.25	106,992.11	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2007	6	117,861.06	118.21	13,029.23	108,340.95	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2007	7	122,280.24	0.00	21,178.18	107,159.57	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2007	8	125,107.34	0.00	24,813.00	104,374.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00
2007	9	135,178.77	0.00	27,351.85	108,030.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
2007	10	116,735.40	241.23	12,700.69	105,299.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
2007	11	108,929.70	4,709.35	2,153.11	106,806.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	0.00
2007	12	122,828.83	13,391.86	0.00	113,953.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2008	1	135,988.54	17,630.56	0.00	115,328.11	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2008	2	128,780.73	21,497.49	0.00	102,315.63	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2008	3	122,687.26	18,365.58	0.00	102,633.72	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2008	4	112,736.81	8,271.48	102.74	105,542.76	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2008	5	103,319.37	1,836.28	1,338.74	101,938.27	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2008	6	114,938.69	125.75	7,948.14	106,830.37	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2008	7	122,829.36	0.00	16,531.84	105,251.49	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2008	8	124,863.56	0.00	19,995.90	103,348.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00
2008	9	127,141.73	0.00	18,544.42	105,190.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
2008	10	111,421.47	303.32	7,209.54	101,763.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00
2008	11	106,285.45	5,941.98	464.82	102,015.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	0.00
2008	12	131,453.16	19,302.75	0.00	110,726.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2009	1	140,607.60	20,539.82	0.00	112,702.49	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2009	2	135,440.16	24,947.99	0.00	100,788.84	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2009	3	117,944.09	16,088.12	291.81	97,659.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2009	4	108,021.95	6,205.83	221.56	102,091.67	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2009	5	105,589.96	1,603.18	4,242.78	101,289.48	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2009	6	114,602.84	155.30	8,533.69	102,802.21	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2009	7	119,391.20	0.00	14,705.02	102,375.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
2009	8	118,640.01	0.00	15,148.99	99,926.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00

Kentucky Power Company
 Commercial Model Input Data

Year	Month	Sales	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on
2009	9	122,206.78	0.00	14,477.09	101,026.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00
2009	10	110,816.07	1,118.34	5,169.83	100,557.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00
2009	11	102,272.00	4,451.79	212.62	98,626.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00
2009	12	122,093.41	11,685.40	13.72	109,317.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00
2010	1	145,310.56	23,572.68	0.00	109,143.87	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00
2010	2	130,432.77	23,555.54	0.00	96,319.85	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00
2010	3	125,707.23	19,293.43	0.00	96,696.50	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00
2010	4	109,887.19	4,494.59	1,687.73	101,609.66	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00
2010	5	103,329.99	1,167.18	2,649.04	96,859.20	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00
2010	6	120,865.71	189.03	12,901.82	101,476.48	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00
2010	7	128,707.61	0.00	23,192.00	100,196.71	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00
2010	8	130,361.66	0.00	27,022.75	97,521.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00
2010	9	127,048.33	0.00	19,081.31	99,289.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00
2010	10	109,352.30	370.26	7,155.46	97,525.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00
2010	11	101,528.61	3,944.12	689.07	95,974.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00
2010	12	126,389.76	16,036.33	0.00	106,502.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00
2011	1	149,474.96	24,962.71	0.00	105,771.68	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00
2011	2	127,879.06	22,748.38	0.00	94,475.55	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00
2011	3	113,092.78	11,809.70	108.98	94,489.39	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00
2011	4	105,814.35	7,581.35	1,049.25	95,248.64	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00
2011	5	104,301.75	1,468.04	3,147.05	97,939.53	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00
2011	6	113,790.39	472.26	11,772.10	97,559.63	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00
2011	7	120,705.55	0.00	18,377.93	97,757.70	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00
2011	8	126,716.55	0.00	27,174.84	94,287.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00
2011	9	121,535.21	5.22	16,228.88	96,688.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00
2011	10	104,793.45	918.07	2,892.68	95,311.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00
2011	11	101,275.54	4,590.95	66.92	93,858.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00
2011	12	117,315.03	8,378.02	100.32	103,126.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00
2012	1	127,270.25	14,159.68	0.00	102,146.21	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2012	2	118,462.49	14,730.79	0.00	93,422.45	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2012	3	108,112.96	10,565.94	597.10	91,457.43	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2012	4	99,605.52	2,222.94	2,487.41	93,830.89	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2012	5	101,832.00	1,507.66	3,615.20	93,820.03	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2012	6	110,870.17	7.63	10,689.68	95,677.98	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00

Kentucky Power Company
Commercial Model Input Data

Year	Month	Sales	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on
2012	7	122,720.07	0.00	23,932.32	96,555.48	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2012	8	118,371.52	0.00	23,536.05	91,029.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2012	9	120,105.28	18.29	16,578.73	95,370.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2012	10	102,106.00	1,214.65	3,985.41	91,676.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2012	11	101,170.20	6,305.83	511.63	92,441.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2012	12	116,894.04	10,285.20	0.00	99,672.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2013	1	127,144.10	15,487.20	0.00	99,835.33	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2013	2	121,020.08	18,146.38	0.00	90,157.43	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2013	3	117,121.12	15,661.25	0.00	90,307.87	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2013	4	110,335.01	10,232.97	1,162.31	92,887.98	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2013	5	98,184.08	1,242.78	3,132.19	91,187.74	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2013	6	108,408.73	217.19	11,474.36	93,343.37	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2013	7	114,707.62	0.00	20,011.34	91,826.12	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2013	8	115,109.27	0.00	18,697.34	90,427.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2013	9	116,211.82	0.00	16,139.83	91,957.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2013	10	104,867.08	301.67	6,388.11	90,385.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2013	11	99,749.84	5,066.99	920.43	89,773.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2013	12	122,293.12	13,697.04	27.36	99,293.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2014	1	138,723.64	18,191.63	52.17	99,528.30	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2014	2	132,750.57	24,150.58	0.00	88,102.16	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2014	3	118,767.78	17,234.92	0.00	88,344.40	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2014	4	102,879.64	8,419.51	411.33	88,912.08	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2014	5	101,231.35	1,032.53	2,219.82	92,068.23	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2014	6	108,895.04	285.05	8,568.54	90,956.62	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2014	7	116,182.32	0.00	18,102.96	91,054.43	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2014	8	110,607.90	0.00	12,834.17	88,909.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2014	9	116,968.69	0.00	14,896.13	90,822.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2014	10	100,313.15	516.06	3,774.52	87,510.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2014	11	98,442.65	5,787.24	353.27	88,242.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2014	12	119,843.22	13,974.16	1.08	96,790.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2015	1	130,135.98	17,117.46	0.00	97,877.50	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2015	2	126,178.13	21,383.85	0.00	87,396.13	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2015	3	125,608.10	22,452.88	0.00	87,405.64	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2015	4	102,045.41	6,327.19	307.67	90,416.55	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Kentucky Power Company
 Commercial Model Input Data

Year	Month	Sales	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on
2015	5	97,219.82	1,558.86	3,358.37	87,616.34	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2015	6	109,164.96	52.99	12,323.03	89,262.11	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2015	7	114,739.04	0.00	17,510.02	88,248.55	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2015	8	113,629.48	0.00	18,574.00	84,568.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2015	9	114,534.76	0.00	14,150.93	88,844.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2015	10	102,147.27	518.66	4,481.44	87,712.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2015	11	93,346.37	2,992.28	309.21	85,997.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2015	12	107,110.53	7,354.09	63.90	94,186.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2016	1	119,353.65	12,056.24	0.00	96,504.01	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2016	2	120,158.78	20,122.97	0.00	85,055.03	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2016	3	108,145.74	11,320.36	79.13	85,881.88	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2016	4	97,128.24	4,055.02	586.99	88,764.76	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2016	5	92,930.87	1,350.19	3,100.84	84,673.12	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2016	6	104,329.06	315.66	10,488.54	88,687.29	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2016	7	113,689.20	0.00	19,510.41	88,176.23	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2016	8	118,026.03	0.00	26,065.64	84,945.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2016	9	122,192.47	0.00	23,955.57	88,028.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2016	10	103,959.87	52.36	11,453.48	85,782.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2016	11	92,163.82	1,727.64	2,758.73	84,433.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2016	12	109,644.24	10,120.31	113.63	92,897.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2017	1	119,169.99	13,573.88	0.00	93,600.67	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2017	2	105,408.80	11,299.80	0.00	84,501.07	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2017	3	99,047.97	8,862.57	37.18	83,398.97	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2017	4	94,129.27	5,479.05	878.23	82,996.18	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2017	5	91,587.12	747.36	4,638.01	82,741.17	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2017	6	100,001.01	180.01	8,718.16	86,876.77	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2017	7	109,854.51	0.00	17,423.45	87,055.34	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2017	8	110,051.02	0.00	18,607.56	83,471.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2017	9	107,268.73	0.00	11,089.25	85,740.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2017	10	99,012.01	98.07	8,174.21	84,269.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2017	11	93,373.28	3,973.37	1,486.26	83,976.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2017	12	108,508.74	10,672.23	55.50	91,111.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2018	1	132,408.29	21,118.15	114.36	91,556.89	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2018	2	116,029.08	17,109.97	192.84	82,815.58	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Kentucky Power Company
 Commercial Model Input Data

Year	Month	Sales	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on
2018	3	98,708.05	9,530.23	387.47	82,005.53	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2018	4	100,199.17	9,151.43	446.21	85,639.21	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2018	5	92,163.99	2,246.69	4,848.93	81,843.80	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2018	6	109,615.51	30.25	16,311.90	87,205.04	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2018	7	112,345.91	0.00	21,730.15	84,801.88	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2018	8	108,393.01	0.00	19,838.99	81,196.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2018	9	113,304.54	0.00	20,088.39	84,226.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2018	10	102,673.61	568.87	12,583.91	82,063.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2018	11	92,474.12	5,509.12	1,838.84	83,246.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2018	12	108,618.01	12,696.51	10.16	88,583.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2019	1	114,734.12	12,841.89	0.00	90,914.88	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2019	2		17,130.30	8.19	81,464.59	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2019	3		12,859.49	112.08	80,863.36	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2019	4		6,380.61	879.34	83,309.81	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2019	5		1,492.77	2,875.60	82,058.34	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2019	6		182.33	8,799.75	84,769.46	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2019	7		0.37	17,863.90	84,082.65	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2019	8		0.00	20,088.18	81,081.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2019	9		4.09	16,238.60	83,777.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2019	10		549.34	5,566.54	81,975.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2019	11		4,119.92	769.33	81,664.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2019	12		10,643.26	76.95	89,146.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2020	1		15,954.37	11.55	90,141.93	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2020	2		17,134.13	8.16	80,793.48	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2020	3		12,866.28	111.81	80,221.62	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2020	4		6,386.04	877.50	82,675.25	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2020	5		1,494.32	2,870.11	81,448.48	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2020	6		182.51	8,782.44	84,134.64	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2020	7		0.37	17,828.99	83,454.01	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2020	8		0.00	20,050.36	80,481.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2020	9		4.10	16,211.07	83,173.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2020	10		550.01	5,556.95	81,381.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2020	11		4,123.89	767.81	81,051.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2020	12		10,649.10	76.77	88,440.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Kentucky Power Company
Commercial Model Input Data

Year	Month	Sales	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on
2021	1	15,966.57	11.53	89,402.34	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2021	2	17,145.10	8.15	80,120.61	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2021	3	12,872.76	111.55	79,542.72	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2021	4	6,388.31	875.34	81,963.47	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2021	5	1,494.63	2,862.62	80,735.55	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2021	6	182.52	8,758.28	83,386.38	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2021	7	0.37	17,777.78	82,701.70	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2021	8	0.00	19,990.56	79,747.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2021	9	4.10	16,161.09	82,405.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2021	10	549.81	5,539.28	80,622.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2021	11	4,121.99	765.29	80,288.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2021	12	10,643.15	76.51	87,599.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2022	1	15,999.44	11.49	88,678.74	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2022	2	17,177.58	8.12	79,459.12	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2022	3	12,895.03	111.14	78,873.03	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2022	4	6,398.34	871.99	81,260.36	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2022	5	1,496.74	2,851.21	80,030.09	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2022	6	182.75	8,721.95	82,644.41	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2022	7	0.37	17,701.12	81,952.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2022	8	0.00	19,901.04	79,011.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2022	9	4.10	16,085.89	81,631.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2022	10	550.12	5,512.50	79,850.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2022	11	4,123.52	761.45	79,504.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2022	12	10,645.26	76.11	86,728.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2023	1	15,596.44	11.40	87,899.19	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2023	2	16,744.58	8.05	78,759.12	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2023	3	12,569.78	110.22	78,176.94	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2023	4	6,236.84	864.74	80,541.78	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2023	5	1,458.94	2,827.47	79,321.25	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2023	6	178.13	8,649.30	81,912.02	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2023	7	0.36	17,553.64	81,225.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2023	8	0.00	19,735.13	78,310.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2023	9	4.00	15,951.86	80,907.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2023	10	536.23	5,466.62	79,143.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00

Kentucky Power Company
Commercial Model Input Data

Year	Month	Sales	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on
2023	11		4,019.41	755.12	78,800.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2023	12		10,376.60	75.48	85,961.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2024	1		15,218.29	11.31	87,193.88	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2024	2		16,339.51	7.99	78,131.55	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2024	3		12,266.44	109.41	77,558.62	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2024	4		6,086.67	858.44	79,909.29	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2024	5		1,423.89	2,807.01	78,702.41	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2024	6		173.86	8,587.11	81,276.64	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2024	7		0.35	17,428.12	80,599.10	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2024	8		0.00	19,594.95	77,709.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2024	9		3.90	15,839.18	80,290.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2024	10		523.45	5,428.18	78,541.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2024	11		3,923.80	749.84	78,205.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2024	12		10,130.08	74.95	85,314.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2025	1		14,860.00	11.24	86,576.65	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2025	2		15,954.12	7.94	77,575.03	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2025	3		11,976.49	108.70	77,002.17	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2025	4		5,942.50	852.81	79,331.95	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2025	5		1,390.09	2,788.46	78,129.87	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2025	6		169.72	8,529.93	80,681.48	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2025	7		0.34	17,311.30	80,005.34	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2025	8		0.00	19,462.68	77,133.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2025	9		3.81	15,731.53	79,691.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2025	10		510.91	5,391.06	77,952.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2025	11		3,829.61	744.68	77,614.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2025	12		9,886.50	74.44	84,667.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2026	1		14,504.95	11.17	85,658.75	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2026	2		15,572.31	7.89	76,749.48	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2026	3		11,689.40	107.99	76,179.63	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2026	4		5,799.80	847.20	78,481.14	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2026	5		1,356.65	2,770.01	77,288.73	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2026	6		165.63	8,473.12	79,809.34	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2026	7		0.34	17,195.39	79,137.65	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2026	8		0.00	19,331.61	76,294.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00

Kentucky Power Company
Commercial Model Input Data

Year	Month	Sales	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on
2026	9		3.72	15,624.94	78,820.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2026	10		498.52	5,354.34	77,098.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2026	11		3,736.59	739.57	76,760.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2026	12		9,646.00	73.92	83,732.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2027	1		14,157.64	11.10	84,771.60	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2027	2		15,199.57	7.84	75,955.25	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2027	3		11,409.66	107.30	75,391.68	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2027	4		5,661.08	841.79	77,670.47	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2027	5		1,324.21	2,752.34	76,491.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2027	6		161.67	8,419.14	78,986.22	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2027	7		0.33	17,085.98	78,322.12	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2027	8		0.00	19,208.70	75,508.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2027	9		3.63	15,525.73	78,009.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2027	10		486.62	5,320.38	76,305.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2027	11		3,647.42	734.89	75,971.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2027	12		9,415.90	73.45	82,873.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2028	1		13,815.90	11.03	83,955.20	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2028	2		14,832.69	7.79	75,223.85	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2028	3		11,134.34	106.67	74,666.26	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2028	4		5,524.47	836.86	76,923.02	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2028	5		1,292.26	2,736.23	75,755.24	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2028	6		157.77	8,369.90	78,226.83	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2028	7		0.32	16,986.11	77,569.40	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2028	8		0.00	19,096.54	74,783.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2028	9		3.54	15,435.17	77,260.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2028	10		474.89	5,289.37	75,573.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2028	11		3,559.54	730.61	75,243.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2028	12		9,189.06	73.03	82,078.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2029	1		13,492.13	10.97	83,202.46	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2029	2		14,485.45	7.75	74,551.22	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2029	3		10,873.94	106.10	74,000.37	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2029	4		5,395.39	832.42	76,238.76	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2029	5		1,262.10	2,721.80	75,083.34	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2029	6		154.09	8,325.95	77,534.75	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00

Kentucky Power Company
Commercial Model Input Data

Year	Month	Sales	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on
2029	7	0.31	16,897.33	76,884.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2029	8	0.00	18,997.15	74,124.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2029	9	3.46	15,355.19	76,582.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2029	10	463.86	5,262.09	74,911.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2029	11	3,476.94	726.86	74,586.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2029	12	8,976.06	72.65	81,364.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2030	1	13,177.75	10.91	82,185.27	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2030	2	14,147.82	7.71	73,639.23	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2030	3	10,620.39	105.54	73,094.45	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2030	4	5,269.56	827.99	75,304.99	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2030	5	1,232.66	2,707.28	74,162.97	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2030	6	150.50	8,281.52	76,584.08	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2030	7	0.30	16,807.02	75,941.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2030	8	0.00	18,895.50	73,215.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2030	9	3.38	15,272.92	75,641.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2030	10	453.03	5,233.86	73,990.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2030	11	3,395.68	722.95	73,669.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2030	12	8,766.17	72.26	80,362.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2031	1	12,863.47	10.86	81,255.48	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2031	2	13,810.60	7.67	72,807.17	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2031	3	10,367.36	105.02	72,269.34	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2031	4	5,144.08	823.92	74,455.98	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2031	5	1,203.32	2,694.01	73,327.69	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2031	6	146.92	8,241.04	75,722.55	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2031	7	0.30	16,725.01	75,088.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2031	8	0.00	18,803.49	72,392.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2031	9	3.30	15,198.81	74,793.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2031	10	442.27	5,208.52	73,161.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2031	11	3,315.12	719.46	72,845.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2031	12	8,558.35	71.92	79,465.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2032	1	12,561.78	10.81	80,429.77	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2032	2	13,486.54	7.64	72,066.44	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2032	3	10,124.03	104.55	71,533.67	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2032	4	5,023.28	820.24	73,697.09	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Kentucky Power Company
 Commercial Model Input Data

Year	Month	Sales	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on
2032	5		1,175.05	2,681.93	72,579.58	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2032	6		143.47	8,204.00	74,949.28	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2032	7		0.29	16,649.70	74,320.63	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2032	8		0.00	18,718.68	71,652.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2032	9		3.22	15,130.02	74,027.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2032	10		431.86	5,184.91	72,412.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2032	11		3,237.04	716.19	72,097.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2032	12		8,356.66	71.59	78,648.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2033	1		12,275.10	10.77	79,647.59	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2033	2		13,178.79	7.60	71,365.80	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2033	3		9,893.06	104.11	70,838.51	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2033	4		4,908.70	816.83	72,981.22	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2033	5		1,148.25	2,670.81	71,875.06	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2033	6		140.19	8,170.01	74,221.93	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2033	7		0.28	16,580.82	73,599.82	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2033	8		0.00	18,641.25	70,957.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2033	9		3.15	15,067.50	73,309.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2033	10		422.02	5,163.47	71,709.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2033	11		3,163.26	713.23	71,398.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2033	12		8,166.21	71.29	77,886.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2034	1		11,994.85	10.73	78,926.05	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2034	2		12,877.47	7.58	70,716.87	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2034	3		9,666.58	103.72	70,192.34	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2034	4		4,796.16	813.69	72,312.97	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2034	5		1,121.89	2,660.46	71,214.60	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2034	6		136.97	8,138.06	73,537.46	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2034	7		0.28	16,515.51	72,918.95	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2034	8		0.00	18,567.30	70,299.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2034	9		3.07	15,007.22	72,627.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2034	10		412.27	5,142.69	71,040.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2034	11		3,090.08	710.34	70,729.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2034	12		7,977.06	71.00	77,154.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2035	1		11,723.37	10.69	78,234.68	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2035	2		12,586.29	7.55	70,098.93	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Kentucky Power Company
 Commercial Model Input Data

Year	Month	Sales	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on
2035	3		9,448.10	103.33	69,579.71	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2035	4		4,687.84	810.70	71,683.10	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2035	5		1,096.57	2,650.71	70,595.32	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2035	6		133.88	8,108.34	72,898.95	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2035	7		0.27	16,455.40	72,286.71	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2035	8		0.00	18,500.01	69,690.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2035	9		3.00	14,953.10	71,999.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2035	10		402.99	5,124.19	70,427.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2035	11		3,020.60	707.80	70,120.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2035	12		7,797.78	70.75	76,490.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2036	1		11,460.62	10.65	77,598.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2036	2		12,304.30	7.52	69,529.06	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2036	3		9,236.53	103.00	69,014.83	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2036	4		4,582.94	808.10	71,102.34	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2036	5		1,072.04	2,642.25	70,024.12	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2036	6		130.89	8,082.59	72,310.17	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2036	7		0.27	16,403.39	71,703.96	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2036	8		0.00	18,441.69	69,129.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2036	9		2.94	14,906.15	71,420.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2036	10		394.00	5,108.18	69,862.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2036	11		2,953.26	705.59	69,558.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2036	12		7,624.06	70.53	75,878.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2037	1		11,209.13	10.62	77,010.55	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2037	2		12,034.20	7.50	69,002.13	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2037	3		9,033.74	102.72	68,491.55	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2037	4		4,482.29	805.86	70,562.67	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2037	5		1,048.50	2,634.91	69,492.57	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2037	6		128.01	8,060.08	71,760.72	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2037	7		0.26	16,357.58	71,158.60	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2037	8		0.00	18,390.16	68,603.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2037	9		2.87	14,864.40	70,877.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2037	10		385.34	5,093.84	69,329.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2037	11		2,888.30	703.61	69,028.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2037	12		7,456.30	70.33	75,299.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Kentucky Power Company
Commercial Model Input Data

Year	Month	Sales	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on
2038	1		10,959.55	10.59	76,465.57	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2038	2		11,766.24	7.48	68,513.81	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2038	3		8,832.50	102.45	68,006.21	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2038	4		4,382.43	803.78	70,062.47	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2038	5		1,025.13	2,628.11	68,999.54	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2038	6		125.16	8,039.22	71,251.11	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2038	7		0.25	16,315.21	70,653.11	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2038	8		0.00	18,342.36	68,115.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2038	9		2.81	14,825.74	70,372.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2038	10		376.74	5,080.55	68,836.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2038	11		2,823.84	701.77	68,536.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2038	12		7,289.88	70.15	74,762.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2039	1		10,718.10	10.57	75,953.07	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2039	2		11,507.06	7.47	68,054.84	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2039	3		8,638.04	102.21	67,551.41	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2039	4		4,285.95	801.87	69,594.07	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2039	5		1,002.57	2,621.87	68,538.49	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2039	6		122.41	8,020.21	70,775.64	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2039	7		0.25	16,276.62	70,181.60	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2039	8		0.00	18,299.07	67,661.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2039	9		2.75	14,790.80	69,903.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2039	10		368.45	5,068.61	68,377.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2039	11		2,761.76	700.12	68,080.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2039	12		7,129.65	69.98	74,265.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2040	1		10,479.43	10.54	75,257.18	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2040	2		11,251.46	7.45	67,435.15	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2040	3		8,446.61	101.93	66,939.80	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2040	4		4,191.21	799.76	68,967.86	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2040	5		980.46	2,615.13	67,925.59	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2040	6		119.71	8,000.01	70,146.52	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2040	7		0.24	16,236.51	69,561.55	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2040	8		0.00	18,255.01	67,067.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2040	9		2.69	14,755.89	69,293.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2040	10		360.42	5,056.90	67,784.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00

Kentucky Power Company
Commercial Model Input Data

Year	Month	Sales	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on
2040	11		2,701.72	698.54	67,492.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2040	12		6,974.98	69.83	73,628.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2041	1		10,260.74	10.52	74,689.95	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2041	2		11,016.16	7.43	66,923.83	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2041	3		8,269.62	101.72	66,429.46	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2041	4		4,103.19	798.06	68,438.76	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2041	5		959.83	2,609.45	67,401.53	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2041	6		117.19	7,982.31	69,602.41	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2041	7		0.24	16,199.83	69,018.73	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2041	8		0.00	18,212.97	66,541.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2041	9		2.63	14,721.32	68,747.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2041	10		352.76	5,044.83	67,246.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2041	11		2,644.17	696.84	66,954.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2041	12		6,826.13	69.65	73,038.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2042	1		10,045.42	10.50	74,143.71	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2042	2		10,784.74	7.41	66,432.87	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2042	3		8,095.69	101.49	65,940.35	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2042	4		4,016.79	796.23	67,933.24	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2042	5		939.59	2,603.37	66,901.86	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2042	6		114.72	7,963.51	69,084.64	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2042	7		0.23	16,161.38	68,504.03	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2042	8		0.00	18,169.27	66,043.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2042	9		2.57	14,685.60	68,230.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2042	10		345.28	5,032.48	66,740.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2042	11		2,588.05	695.12	66,448.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2042	12		6,681.10	69.48	72,484.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2043	1		9,831.45	10.47	73,647.61	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2043	2		10,554.56	7.40	65,985.44	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2043	3		7,922.56	101.25	65,493.44	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2043	4		3,930.73	794.31	67,470.07	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2043	5		919.42	2,596.98	66,442.64	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2043	6		112.25	7,943.63	68,607.55	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2043	7		0.23	16,120.36	68,028.13	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2043	8		0.00	18,122.40	65,581.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00

Kentucky Power Company
 Commercial Model Input Data

Year	Month	Sales	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on
2043	9		2.52	14,647.14	67,751.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2043	10		337.80	5,019.10	66,268.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
2043	11		2,531.86	693.24	65,976.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00
2043	12		6,535.77	69.29	71,966.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2044	1		9,622.13	10.44	73,166.47	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2044	2		10,330.11	7.38	65,556.03	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2044	3		7,754.25	101.00	65,068.70	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2044	4		3,847.32	792.36	67,034.17	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2044	5		899.93	2,590.67	66,015.06	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2044	6		109.87	7,924.51	68,167.59	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2044	7		0.22	16,081.91	67,593.34	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2044	8		0.00	18,079.59	65,163.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00
2044	9		2.47	14,612.91	67,321.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2044	10		330.68	5,007.48	65,849.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2044	11		2,478.54	691.66	65,560.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2044	12		6,398.27	69.13	71,514.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2045	1		9,418.33	10.42	72,755.29	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2045	2		10,111.06	7.36	65,186.03	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2045	3		7,589.65	100.78	64,699.94	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2045	4		3,765.55	790.63	66,652.56	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2045	5		880.79	2,584.96	65,637.88	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2045	6		107.53	7,906.82	67,776.40	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2045	7		0.22	16,045.61	67,203.75	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2045	8		0.00	18,038.40	64,787.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00
2045	9		2.41	14,579.22	66,930.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2045	10		323.61	4,995.83	65,465.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2045	11		2,425.46	690.03	65,176.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2045	12		6,261.10	68.97	71,094.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2046	1		9,221.24	10.40	72,370.45	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2046	2		9,899.31	7.35	64,840.12	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2046	3		7,430.61	100.56	64,355.78	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2046	4		3,686.58	788.86	66,296.75	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2046	5		862.30	2,579.11	65,286.17	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2046	6		105.27	7,888.83	67,412.28	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00

Kentucky Power Company
Commercial Model Input Data

Year	Month	Sales	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on
2046	7		0.21	16,008.85	66,841.64	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2046	8		0.00	17,996.76	64,436.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2046	9		2.36	14,545.39	66,567.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2046	10		316.79	4,984.17	65,109.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2046	11		2,374.33	688.41	64,821.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2046	12		6,129.04	68.81	70,705.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2047	1		9,029.37	10.38	72,030.49	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2047	2		9,693.13	7.33	64,534.19	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2047	3		7,275.67	100.33	64,050.63	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2047	4		3,609.66	787.09	65,981.47	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2047	5		844.29	2,573.29	64,974.29	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2047	6		103.07	7,870.89	67,089.12	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2047	7		0.21	15,972.14	66,520.02	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2047	8		0.00	17,955.29	64,126.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2047	9		2.31	14,511.54	66,245.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2047	10		310.15	4,972.48	64,793.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2047	11		2,324.51	686.78	64,505.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2047	12		6,000.32	68.64	70,359.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2048	1		8,841.86	10.35	71,718.66	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2048	2		9,491.73	7.31	64,254.08	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2048	3		7,124.45	100.10	63,772.18	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2048	4		3,534.57	785.24	65,693.40	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2048	5		826.72	2,567.22	64,690.22	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2048	6		100.93	7,852.18	66,794.50	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2048	7		0.20	15,934.07	66,227.43	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2048	8		0.00	17,912.24	63,843.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2048	9		2.26	14,476.69	65,952.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2048	10		303.68	4,960.48	64,506.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2048	11		2,275.98	685.12	64,219.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2048	12		5,875.00	68.47	70,046.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2049	1		8,661.89	10.33	71,449.52	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2049	2		9,298.41	7.30	64,012.14	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2049	3		6,979.29	99.87	63,531.54	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2049	4		3,462.48	783.39	65,444.20	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Kentucky Power Company
 Commercial Model Input Data

Year	Month	Sales	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on
2049	5		809.85	2,561.15	64,444.36	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2049	6		98.86	7,833.44	66,539.26	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2049	7		0.20	15,895.91	65,973.81	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2049	8		0.00	17,869.08	63,597.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2049	9		2.22	14,441.73	65,698.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2049	10		297.46	4,948.44	64,257.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2049	11		2,229.37	683.44	63,970.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2049	12		5,754.63	68.31	69,774.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2050	1		8,488.36	10.31	71,217.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2050	2		9,112.14	7.28	63,803.96	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2050	3		6,839.53	99.65	63,325.37	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2050	4		3,393.13	781.67	65,231.52	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2050	5		793.64	2,555.56	64,235.45	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2050	6		96.88	7,816.32	66,323.18	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2050	7		0.20	15,861.26	65,759.96	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2050	8		0.00	17,830.12	63,391.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2050	9		2.17	14,410.35	65,486.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2050	10		291.51	4,937.70	64,049.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2050	11		2,184.75	681.96	63,763.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2050	12		5,639.47	68.16	69,548.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2051	1		8,318.53	10.28	70,994.73	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2051	2		8,929.94	7.26	63,605.55	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2051	3		6,702.87	99.43	63,129.45	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2051	4		3,325.35	780.01	65,030.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2051	5		777.80	2,550.16	64,038.12	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2051	6		94.95	7,799.80	66,119.65	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2051	7		0.19	15,827.97	65,559.09	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2051	8		0.00	17,792.82	63,198.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2051	9		2.13	14,380.45	65,287.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2051	10		285.71	4,927.50	63,855.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2051	11		2,141.27	680.55	63,570.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2051	12		5,527.29	68.02	69,339.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2052	1		8,153.06	10.26	70,788.94	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2052	2		8,752.37	7.25	63,421.66	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Kentucky Power Company
Commercial Model Input Data

Year	Month	Sales	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on
2052	3		6,569.67	99.23	62,947.72	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2052	4		3,259.27	778.42	64,842.86	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2052	5		762.35	2,545.02	63,854.70	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2052	6		93.07	7,784.09	65,930.25	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2052	7		0.19	15,796.26	65,372.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2052	8		0.00	17,757.24	63,018.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2052	9		2.09	14,351.88	65,102.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2052	10		280.04	4,917.74	63,675.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2052	11		2,098.82	679.21	63,391.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2052	12		5,417.76	67.88	69,144.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2053	1		7,991.45	10.24	70,596.26	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2053	2		8,578.89	7.23	63,249.10	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2053	3		6,439.49	99.04	62,776.81	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2053	4		3,194.67	776.89	64,666.43	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2053	5		747.25	2,540.01	63,681.39	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2053	6		91.22	7,768.71	65,750.84	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2053	7		0.18	15,765.12	65,194.41	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2053	8		0.00	17,722.20	62,846.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2053	9		2.05	14,323.66	64,925.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2053	10		274.49	4,908.07	63,502.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2053	11		2,057.23	677.87	63,218.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2053	12		5,310.41	67.75	68,956.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2054	1		7,833.06	10.22	70,411.55	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2054	2		8,408.87	7.22	63,083.69	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2054	3		6,311.91	98.84	62,612.99	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2054	4		3,131.35	775.35	64,497.30	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2054	5		732.44	2,535.01	63,515.28	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2054	6		89.41	7,753.38	65,578.87	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2054	7		0.18	15,734.07	65,024.19	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
2054	8		0.00	17,687.25	62,682.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	1.00
2054	9		2.01	14,295.51	64,756.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	1.00
2054	10		269.05	4,898.42	63,336.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00
2054	11		2,016.47	676.54	63,053.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00
2054	12		5,205.20	67.62	68,776.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00

Kentucky Power Company
 Commercial Model Input Data

Year	Month	dJan12on	dFeb12on	nov15on	nov16on	may18on	XMissing	YMissing
2015	5	0.00	0.00	0.00	0.00	0.00	0	0
2015	6	0.00	0.00	0.00	0.00	0.00	0	0
2015	7	0.00	0.00	0.00	0.00	0.00	0	0
2015	8	0.00	0.00	0.00	0.00	0.00	0	0
2015	9	0.00	0.00	0.00	0.00	0.00	0	0
2015	10	0.00	0.00	0.00	0.00	0.00	0	0
2015	11	0.00	0.00	1.00	0.00	0.00	0	0
2015	12	0.00	0.00	1.00	0.00	0.00	0	0
2016	1	1.00	0.00	1.00	0.00	0.00	0	0
2016	2	0.00	1.00	1.00	0.00	0.00	0	0
2016	3	0.00	0.00	1.00	0.00	0.00	0	0
2016	4	0.00	0.00	1.00	0.00	0.00	0	0
2016	5	0.00	0.00	1.00	0.00	0.00	0	0
2016	6	0.00	0.00	1.00	0.00	0.00	0	0
2016	7	0.00	0.00	1.00	0.00	0.00	0	0
2016	8	0.00	0.00	1.00	0.00	0.00	0	0
2016	9	0.00	0.00	1.00	0.00	0.00	0	0
2016	10	0.00	0.00	1.00	0.00	0.00	0	0
2016	11	0.00	0.00	1.00	1.00	0.00	0	0
2016	12	0.00	0.00	1.00	1.00	0.00	0	0
2017	1	1.00	0.00	1.00	1.00	0.00	0	0
2017	2	0.00	1.00	1.00	1.00	0.00	0	0
2017	3	0.00	0.00	1.00	1.00	0.00	0	0
2017	4	0.00	0.00	1.00	1.00	0.00	0	0
2017	5	0.00	0.00	1.00	1.00	0.00	0	0
2017	6	0.00	0.00	1.00	1.00	0.00	0	0
2017	7	0.00	0.00	1.00	1.00	0.00	0	0
2017	8	0.00	0.00	1.00	1.00	0.00	0	0
2017	9	0.00	0.00	1.00	1.00	0.00	0	0
2017	10	0.00	0.00	1.00	1.00	0.00	0	0
2017	11	0.00	0.00	1.00	1.00	0.00	0	0
2017	12	0.00	0.00	1.00	1.00	0.00	0	0
2018	1	1.00	0.00	1.00	1.00	0.00	0	0
2018	2	0.00	1.00	1.00	1.00	0.00	0	0

Kentucky Power Company
 Commercial Model Input Data

Year	Month	dJan12on	dFeb12on	nov15on	nov16on	may18on	XMissing	YMissing
2018	3	0.00	0.00	1.00	1.00	0.00	0	0
2018	4	0.00	0.00	1.00	1.00	0.00	0	0
2018	5	0.00	0.00	1.00	1.00	1.00	0	0
2018	6	0.00	0.00	1.00	1.00	1.00	0	0
2018	7	0.00	0.00	1.00	1.00	1.00	0	0
2018	8	0.00	0.00	1.00	1.00	1.00	0	0
2018	9	0.00	0.00	1.00	1.00	1.00	0	0
2018	10	0.00	0.00	1.00	1.00	1.00	0	0
2018	11	0.00	0.00	1.00	1.00	1.00	0	0
2018	12	0.00	0.00	1.00	1.00	1.00	0	0
2019	1	1.00	0.00	1.00	1.00	1.00	0	0
2019	2	0.00	1.00	1.00	1.00	1.00	0	1
2019	3	0.00	0.00	1.00	1.00	1.00	0	1
2019	4	0.00	0.00	1.00	1.00	1.00	0	1
2019	5	0.00	0.00	1.00	1.00	1.00	0	1
2019	6	0.00	0.00	1.00	1.00	1.00	0	1
2019	7	0.00	0.00	1.00	1.00	1.00	0	1
2019	8	0.00	0.00	1.00	1.00	1.00	0	1
2019	9	0.00	0.00	1.00	1.00	1.00	0	1
2019	10	0.00	0.00	1.00	1.00	1.00	0	1
2019	11	0.00	0.00	1.00	1.00	1.00	0	1
2019	12	0.00	0.00	1.00	1.00	1.00	0	1
2020	1	1.00	0.00	1.00	1.00	1.00	0	1
2020	2	0.00	1.00	1.00	1.00	1.00	0	1
2020	3	0.00	0.00	1.00	1.00	1.00	0	1
2020	4	0.00	0.00	1.00	1.00	1.00	0	1
2020	5	0.00	0.00	1.00	1.00	1.00	0	1
2020	6	0.00	0.00	1.00	1.00	1.00	0	1
2020	7	0.00	0.00	1.00	1.00	1.00	0	1
2020	8	0.00	0.00	1.00	1.00	1.00	0	1
2020	9	0.00	0.00	1.00	1.00	1.00	0	1
2020	10	0.00	0.00	1.00	1.00	1.00	0	1
2020	11	0.00	0.00	1.00	1.00	1.00	0	1
2020	12	0.00	0.00	1.00	1.00	1.00	0	1

Kentucky Power Company
 Commercial Model Input Data

Year	Month	dJan12on	dFeb12on	nov15on	nov16on	may18on	XMissing	YMissing
2021	1	1.00	0.00	1.00	1.00	1.00	0	1
2021	2	0.00	1.00	1.00	1.00	1.00	0	1
2021	3	0.00	0.00	1.00	1.00	1.00	0	1
2021	4	0.00	0.00	1.00	1.00	1.00	0	1
2021	5	0.00	0.00	1.00	1.00	1.00	0	1
2021	6	0.00	0.00	1.00	1.00	1.00	0	1
2021	7	0.00	0.00	1.00	1.00	1.00	0	1
2021	8	0.00	0.00	1.00	1.00	1.00	0	1
2021	9	0.00	0.00	1.00	1.00	1.00	0	1
2021	10	0.00	0.00	1.00	1.00	1.00	0	1
2021	11	0.00	0.00	1.00	1.00	1.00	0	1
2021	12	0.00	0.00	1.00	1.00	1.00	0	1
2022	1	1.00	0.00	1.00	1.00	1.00	0	1
2022	2	0.00	1.00	1.00	1.00	1.00	0	1
2022	3	0.00	0.00	1.00	1.00	1.00	0	1
2022	4	0.00	0.00	1.00	1.00	1.00	0	1
2022	5	0.00	0.00	1.00	1.00	1.00	0	1
2022	6	0.00	0.00	1.00	1.00	1.00	0	1
2022	7	0.00	0.00	1.00	1.00	1.00	0	1
2022	8	0.00	0.00	1.00	1.00	1.00	0	1
2022	9	0.00	0.00	1.00	1.00	1.00	0	1
2022	10	0.00	0.00	1.00	1.00	1.00	0	1
2022	11	0.00	0.00	1.00	1.00	1.00	0	1
2022	12	0.00	0.00	1.00	1.00	1.00	0	1
2023	1	1.00	0.00	1.00	1.00	1.00	0	1
2023	2	0.00	1.00	1.00	1.00	1.00	0	1
2023	3	0.00	0.00	1.00	1.00	1.00	0	1
2023	4	0.00	0.00	1.00	1.00	1.00	0	1
2023	5	0.00	0.00	1.00	1.00	1.00	0	1
2023	6	0.00	0.00	1.00	1.00	1.00	0	1
2023	7	0.00	0.00	1.00	1.00	1.00	0	1
2023	8	0.00	0.00	1.00	1.00	1.00	0	1
2023	9	0.00	0.00	1.00	1.00	1.00	0	1
2023	10	0.00	0.00	1.00	1.00	1.00	0	1

Kentucky Power Company
 Commercial Model Input Data

Year	Month	dJan12on	dFeb12on	nov15on	nov16on	may18on	XMissing	YMissing
2023	11	0.00	0.00	1.00	1.00	1.00	0	1
2023	12	0.00	0.00	1.00	1.00	1.00	0	1
2024	1	1.00	0.00	1.00	1.00	1.00	0	1
2024	2	0.00	1.00	1.00	1.00	1.00	0	1
2024	3	0.00	0.00	1.00	1.00	1.00	0	1
2024	4	0.00	0.00	1.00	1.00	1.00	0	1
2024	5	0.00	0.00	1.00	1.00	1.00	0	1
2024	6	0.00	0.00	1.00	1.00	1.00	0	1
2024	7	0.00	0.00	1.00	1.00	1.00	0	1
2024	8	0.00	0.00	1.00	1.00	1.00	0	1
2024	9	0.00	0.00	1.00	1.00	1.00	0	1
2024	10	0.00	0.00	1.00	1.00	1.00	0	1
2024	11	0.00	0.00	1.00	1.00	1.00	0	1
2024	12	0.00	0.00	1.00	1.00	1.00	0	1
2025	1	1.00	0.00	1.00	1.00	1.00	0	1
2025	2	0.00	1.00	1.00	1.00	1.00	0	1
2025	3	0.00	0.00	1.00	1.00	1.00	0	1
2025	4	0.00	0.00	1.00	1.00	1.00	0	1
2025	5	0.00	0.00	1.00	1.00	1.00	0	1
2025	6	0.00	0.00	1.00	1.00	1.00	0	1
2025	7	0.00	0.00	1.00	1.00	1.00	0	1
2025	8	0.00	0.00	1.00	1.00	1.00	0	1
2025	9	0.00	0.00	1.00	1.00	1.00	0	1
2025	10	0.00	0.00	1.00	1.00	1.00	0	1
2025	11	0.00	0.00	1.00	1.00	1.00	0	1
2025	12	0.00	0.00	1.00	1.00	1.00	0	1
2026	1	1.00	0.00	1.00	1.00	1.00	0	1
2026	2	0.00	1.00	1.00	1.00	1.00	0	1
2026	3	0.00	0.00	1.00	1.00	1.00	0	1
2026	4	0.00	0.00	1.00	1.00	1.00	0	1
2026	5	0.00	0.00	1.00	1.00	1.00	0	1
2026	6	0.00	0.00	1.00	1.00	1.00	0	1
2026	7	0.00	0.00	1.00	1.00	1.00	0	1
2026	8	0.00	0.00	1.00	1.00	1.00	0	1

Kentucky Power Company
 Commercial Model Input Data

Year	Month	dJan12on	dFeb12on	nov15on	nov16on	may18on	XMissing	YMissing
2026	9	0.00	0.00	1.00	1.00	1.00	0	1
2026	10	0.00	0.00	1.00	1.00	1.00	0	1
2026	11	0.00	0.00	1.00	1.00	1.00	0	1
2026	12	0.00	0.00	1.00	1.00	1.00	0	1
2027	1	1.00	0.00	1.00	1.00	1.00	0	1
2027	2	0.00	1.00	1.00	1.00	1.00	0	1
2027	3	0.00	0.00	1.00	1.00	1.00	0	1
2027	4	0.00	0.00	1.00	1.00	1.00	0	1
2027	5	0.00	0.00	1.00	1.00	1.00	0	1
2027	6	0.00	0.00	1.00	1.00	1.00	0	1
2027	7	0.00	0.00	1.00	1.00	1.00	0	1
2027	8	0.00	0.00	1.00	1.00	1.00	0	1
2027	9	0.00	0.00	1.00	1.00	1.00	0	1
2027	10	0.00	0.00	1.00	1.00	1.00	0	1
2027	11	0.00	0.00	1.00	1.00	1.00	0	1
2027	12	0.00	0.00	1.00	1.00	1.00	0	1
2028	1	1.00	0.00	1.00	1.00	1.00	0	1
2028	2	0.00	1.00	1.00	1.00	1.00	0	1
2028	3	0.00	0.00	1.00	1.00	1.00	0	1
2028	4	0.00	0.00	1.00	1.00	1.00	0	1
2028	5	0.00	0.00	1.00	1.00	1.00	0	1
2028	6	0.00	0.00	1.00	1.00	1.00	0	1
2028	7	0.00	0.00	1.00	1.00	1.00	0	1
2028	8	0.00	0.00	1.00	1.00	1.00	0	1
2028	9	0.00	0.00	1.00	1.00	1.00	0	1
2028	10	0.00	0.00	1.00	1.00	1.00	0	1
2028	11	0.00	0.00	1.00	1.00	1.00	0	1
2028	12	0.00	0.00	1.00	1.00	1.00	0	1
2029	1	1.00	0.00	1.00	1.00	1.00	0	1
2029	2	0.00	1.00	1.00	1.00	1.00	0	1
2029	3	0.00	0.00	1.00	1.00	1.00	0	1
2029	4	0.00	0.00	1.00	1.00	1.00	0	1
2029	5	0.00	0.00	1.00	1.00	1.00	0	1
2029	6	0.00	0.00	1.00	1.00	1.00	0	1

Kentucky Power Company
 Commercial Model Input Data

Year	Month	dJan12on	dFeb12on	nov15on	nov16on	may18on	XMissing	YMissing
2029	7	0.00	0.00	1.00	1.00	1.00	0	1
2029	8	0.00	0.00	1.00	1.00	1.00	0	1
2029	9	0.00	0.00	1.00	1.00	1.00	0	1
2029	10	0.00	0.00	1.00	1.00	1.00	0	1
2029	11	0.00	0.00	1.00	1.00	1.00	0	1
2029	12	0.00	0.00	1.00	1.00	1.00	0	1
2030	1	1.00	0.00	1.00	1.00	1.00	0	1
2030	2	0.00	1.00	1.00	1.00	1.00	0	1
2030	3	0.00	0.00	1.00	1.00	1.00	0	1
2030	4	0.00	0.00	1.00	1.00	1.00	0	1
2030	5	0.00	0.00	1.00	1.00	1.00	0	1
2030	6	0.00	0.00	1.00	1.00	1.00	0	1
2030	7	0.00	0.00	1.00	1.00	1.00	0	1
2030	8	0.00	0.00	1.00	1.00	1.00	0	1
2030	9	0.00	0.00	1.00	1.00	1.00	0	1
2030	10	0.00	0.00	1.00	1.00	1.00	0	1
2030	11	0.00	0.00	1.00	1.00	1.00	0	1
2030	12	0.00	0.00	1.00	1.00	1.00	0	1
2031	1	1.00	0.00	1.00	1.00	1.00	0	1
2031	2	0.00	1.00	1.00	1.00	1.00	0	1
2031	3	0.00	0.00	1.00	1.00	1.00	0	1
2031	4	0.00	0.00	1.00	1.00	1.00	0	1
2031	5	0.00	0.00	1.00	1.00	1.00	0	1
2031	6	0.00	0.00	1.00	1.00	1.00	0	1
2031	7	0.00	0.00	1.00	1.00	1.00	0	1
2031	8	0.00	0.00	1.00	1.00	1.00	0	1
2031	9	0.00	0.00	1.00	1.00	1.00	0	1
2031	10	0.00	0.00	1.00	1.00	1.00	0	1
2031	11	0.00	0.00	1.00	1.00	1.00	0	1
2031	12	0.00	0.00	1.00	1.00	1.00	0	1
2032	1	1.00	0.00	1.00	1.00	1.00	0	1
2032	2	0.00	1.00	1.00	1.00	1.00	0	1
2032	3	0.00	0.00	1.00	1.00	1.00	0	1
2032	4	0.00	0.00	1.00	1.00	1.00	0	1

Kentucky Power Company
 Commercial Model Input Data

Year	Month	dJan12on	dFeb12on	nov15on	nov16on	may18on	XMissing	YMissing
2032	5	0.00	0.00	1.00	1.00	1.00	0	1
2032	6	0.00	0.00	1.00	1.00	1.00	0	1
2032	7	0.00	0.00	1.00	1.00	1.00	0	1
2032	8	0.00	0.00	1.00	1.00	1.00	0	1
2032	9	0.00	0.00	1.00	1.00	1.00	0	1
2032	10	0.00	0.00	1.00	1.00	1.00	0	1
2032	11	0.00	0.00	1.00	1.00	1.00	0	1
2032	12	0.00	0.00	1.00	1.00	1.00	0	1
2033	1	1.00	0.00	1.00	1.00	1.00	0	1
2033	2	0.00	1.00	1.00	1.00	1.00	0	1
2033	3	0.00	0.00	1.00	1.00	1.00	0	1
2033	4	0.00	0.00	1.00	1.00	1.00	0	1
2033	5	0.00	0.00	1.00	1.00	1.00	0	1
2033	6	0.00	0.00	1.00	1.00	1.00	0	1
2033	7	0.00	0.00	1.00	1.00	1.00	0	1
2033	8	0.00	0.00	1.00	1.00	1.00	0	1
2033	9	0.00	0.00	1.00	1.00	1.00	0	1
2033	10	0.00	0.00	1.00	1.00	1.00	0	1
2033	11	0.00	0.00	1.00	1.00	1.00	0	1
2033	12	0.00	0.00	1.00	1.00	1.00	0	1
2034	1	1.00	0.00	1.00	1.00	1.00	0	1
2034	2	0.00	1.00	1.00	1.00	1.00	0	1
2034	3	0.00	0.00	1.00	1.00	1.00	0	1
2034	4	0.00	0.00	1.00	1.00	1.00	0	1
2034	5	0.00	0.00	1.00	1.00	1.00	0	1
2034	6	0.00	0.00	1.00	1.00	1.00	0	1
2034	7	0.00	0.00	1.00	1.00	1.00	0	1
2034	8	0.00	0.00	1.00	1.00	1.00	0	1
2034	9	0.00	0.00	1.00	1.00	1.00	0	1
2034	10	0.00	0.00	1.00	1.00	1.00	0	1
2034	11	0.00	0.00	1.00	1.00	1.00	0	1
2034	12	0.00	0.00	1.00	1.00	1.00	0	1
2035	1	1.00	0.00	1.00	1.00	1.00	0	1
2035	2	0.00	1.00	1.00	1.00	1.00	0	1

Kentucky Power Company
 Commercial Model Input Data

Year	Month	dJan12on	dFeb12on	nov15on	nov16on	may18on	XMissing	YMissing
2035	3	0.00	0.00	1.00	1.00	1.00	0	1
2035	4	0.00	0.00	1.00	1.00	1.00	0	1
2035	5	0.00	0.00	1.00	1.00	1.00	0	1
2035	6	0.00	0.00	1.00	1.00	1.00	0	1
2035	7	0.00	0.00	1.00	1.00	1.00	0	1
2035	8	0.00	0.00	1.00	1.00	1.00	0	1
2035	9	0.00	0.00	1.00	1.00	1.00	0	1
2035	10	0.00	0.00	1.00	1.00	1.00	0	1
2035	11	0.00	0.00	1.00	1.00	1.00	0	1
2035	12	0.00	0.00	1.00	1.00	1.00	0	1
2036	1	1.00	0.00	1.00	1.00	1.00	0	1
2036	2	0.00	1.00	1.00	1.00	1.00	0	1
2036	3	0.00	0.00	1.00	1.00	1.00	0	1
2036	4	0.00	0.00	1.00	1.00	1.00	0	1
2036	5	0.00	0.00	1.00	1.00	1.00	0	1
2036	6	0.00	0.00	1.00	1.00	1.00	0	1
2036	7	0.00	0.00	1.00	1.00	1.00	0	1
2036	8	0.00	0.00	1.00	1.00	1.00	0	1
2036	9	0.00	0.00	1.00	1.00	1.00	0	1
2036	10	0.00	0.00	1.00	1.00	1.00	0	1
2036	11	0.00	0.00	1.00	1.00	1.00	0	1
2036	12	0.00	0.00	1.00	1.00	1.00	0	1
2037	1	1.00	0.00	1.00	1.00	1.00	0	1
2037	2	0.00	1.00	1.00	1.00	1.00	0	1
2037	3	0.00	0.00	1.00	1.00	1.00	0	1
2037	4	0.00	0.00	1.00	1.00	1.00	0	1
2037	5	0.00	0.00	1.00	1.00	1.00	0	1
2037	6	0.00	0.00	1.00	1.00	1.00	0	1
2037	7	0.00	0.00	1.00	1.00	1.00	0	1
2037	8	0.00	0.00	1.00	1.00	1.00	0	1
2037	9	0.00	0.00	1.00	1.00	1.00	0	1
2037	10	0.00	0.00	1.00	1.00	1.00	0	1
2037	11	0.00	0.00	1.00	1.00	1.00	0	1
2037	12	0.00	0.00	1.00	1.00	1.00	0	1

Kentucky Power Company
 Commercial Model Input Data

Year	Month	dJan12on	dFeb12on	nov15on	nov16on	may18on	XMissing	YMissing
2038	1	1.00	0.00	1.00	1.00	1.00	0	1
2038	2	0.00	1.00	1.00	1.00	1.00	0	1
2038	3	0.00	0.00	1.00	1.00	1.00	0	1
2038	4	0.00	0.00	1.00	1.00	1.00	0	1
2038	5	0.00	0.00	1.00	1.00	1.00	0	1
2038	6	0.00	0.00	1.00	1.00	1.00	0	1
2038	7	0.00	0.00	1.00	1.00	1.00	0	1
2038	8	0.00	0.00	1.00	1.00	1.00	0	1
2038	9	0.00	0.00	1.00	1.00	1.00	0	1
2038	10	0.00	0.00	1.00	1.00	1.00	0	1
2038	11	0.00	0.00	1.00	1.00	1.00	0	1
2038	12	0.00	0.00	1.00	1.00	1.00	0	1
2039	1	1.00	0.00	1.00	1.00	1.00	0	1
2039	2	0.00	1.00	1.00	1.00	1.00	0	1
2039	3	0.00	0.00	1.00	1.00	1.00	0	1
2039	4	0.00	0.00	1.00	1.00	1.00	0	1
2039	5	0.00	0.00	1.00	1.00	1.00	0	1
2039	6	0.00	0.00	1.00	1.00	1.00	0	1
2039	7	0.00	0.00	1.00	1.00	1.00	0	1
2039	8	0.00	0.00	1.00	1.00	1.00	0	1
2039	9	0.00	0.00	1.00	1.00	1.00	0	1
2039	10	0.00	0.00	1.00	1.00	1.00	0	1
2039	11	0.00	0.00	1.00	1.00	1.00	0	1
2039	12	0.00	0.00	1.00	1.00	1.00	0	1
2040	1	1.00	0.00	1.00	1.00	1.00	0	1
2040	2	0.00	1.00	1.00	1.00	1.00	0	1
2040	3	0.00	0.00	1.00	1.00	1.00	0	1
2040	4	0.00	0.00	1.00	1.00	1.00	0	1
2040	5	0.00	0.00	1.00	1.00	1.00	0	1
2040	6	0.00	0.00	1.00	1.00	1.00	0	1
2040	7	0.00	0.00	1.00	1.00	1.00	0	1
2040	8	0.00	0.00	1.00	1.00	1.00	0	1
2040	9	0.00	0.00	1.00	1.00	1.00	0	1
2040	10	0.00	0.00	1.00	1.00	1.00	0	1

Kentucky Power Company
 Commercial Model Input Data

Year	Month	dJan12on	dFeb12on	nov15on	nov16on	may18on	XMissing	YMissing
2040	11	0.00	0.00	1.00	1.00	1.00	0	1
2040	12	0.00	0.00	1.00	1.00	1.00	0	1
2041	1	1.00	0.00	1.00	1.00	1.00	0	1
2041	2	0.00	1.00	1.00	1.00	1.00	0	1
2041	3	0.00	0.00	1.00	1.00	1.00	0	1
2041	4	0.00	0.00	1.00	1.00	1.00	0	1
2041	5	0.00	0.00	1.00	1.00	1.00	0	1
2041	6	0.00	0.00	1.00	1.00	1.00	0	1
2041	7	0.00	0.00	1.00	1.00	1.00	0	1
2041	8	0.00	0.00	1.00	1.00	1.00	0	1
2041	9	0.00	0.00	1.00	1.00	1.00	0	1
2041	10	0.00	0.00	1.00	1.00	1.00	0	1
2041	11	0.00	0.00	1.00	1.00	1.00	0	1
2041	12	0.00	0.00	1.00	1.00	1.00	0	1
2042	1	1.00	0.00	1.00	1.00	1.00	0	1
2042	2	0.00	1.00	1.00	1.00	1.00	0	1
2042	3	0.00	0.00	1.00	1.00	1.00	0	1
2042	4	0.00	0.00	1.00	1.00	1.00	0	1
2042	5	0.00	0.00	1.00	1.00	1.00	0	1
2042	6	0.00	0.00	1.00	1.00	1.00	0	1
2042	7	0.00	0.00	1.00	1.00	1.00	0	1
2042	8	0.00	0.00	1.00	1.00	1.00	0	1
2042	9	0.00	0.00	1.00	1.00	1.00	0	1
2042	10	0.00	0.00	1.00	1.00	1.00	0	1
2042	11	0.00	0.00	1.00	1.00	1.00	0	1
2042	12	0.00	0.00	1.00	1.00	1.00	0	1
2043	1	1.00	0.00	1.00	1.00	1.00	0	1
2043	2	0.00	1.00	1.00	1.00	1.00	0	1
2043	3	0.00	0.00	1.00	1.00	1.00	0	1
2043	4	0.00	0.00	1.00	1.00	1.00	0	1
2043	5	0.00	0.00	1.00	1.00	1.00	0	1
2043	6	0.00	0.00	1.00	1.00	1.00	0	1
2043	7	0.00	0.00	1.00	1.00	1.00	0	1
2043	8	0.00	0.00	1.00	1.00	1.00	0	1

Kentucky Power Company
 Commercial Model Input Data

Year	Month	dJan12on	dFeb12on	nov15on	nov16on	may18on	XMissing	YMissing
2043	9	0.00	0.00	1.00	1.00	1.00	0	1
2043	10	0.00	0.00	1.00	1.00	1.00	0	1
2043	11	0.00	0.00	1.00	1.00	1.00	0	1
2043	12	0.00	0.00	1.00	1.00	1.00	0	1
2044	1	1.00	0.00	1.00	1.00	1.00	0	1
2044	2	0.00	1.00	1.00	1.00	1.00	0	1
2044	3	0.00	0.00	1.00	1.00	1.00	0	1
2044	4	0.00	0.00	1.00	1.00	1.00	0	1
2044	5	0.00	0.00	1.00	1.00	1.00	0	1
2044	6	0.00	0.00	1.00	1.00	1.00	0	1
2044	7	0.00	0.00	1.00	1.00	1.00	0	1
2044	8	0.00	0.00	1.00	1.00	1.00	0	1
2044	9	0.00	0.00	1.00	1.00	1.00	0	1
2044	10	0.00	0.00	1.00	1.00	1.00	0	1
2044	11	0.00	0.00	1.00	1.00	1.00	0	1
2044	12	0.00	0.00	1.00	1.00	1.00	0	1
2045	1	1.00	0.00	1.00	1.00	1.00	0	1
2045	2	0.00	1.00	1.00	1.00	1.00	0	1
2045	3	0.00	0.00	1.00	1.00	1.00	0	1
2045	4	0.00	0.00	1.00	1.00	1.00	0	1
2045	5	0.00	0.00	1.00	1.00	1.00	0	1
2045	6	0.00	0.00	1.00	1.00	1.00	0	1
2045	7	0.00	0.00	1.00	1.00	1.00	0	1
2045	8	0.00	0.00	1.00	1.00	1.00	0	1
2045	9	0.00	0.00	1.00	1.00	1.00	0	1
2045	10	0.00	0.00	1.00	1.00	1.00	0	1
2045	11	0.00	0.00	1.00	1.00	1.00	0	1
2045	12	0.00	0.00	1.00	1.00	1.00	0	1
2046	1	1.00	0.00	1.00	1.00	1.00	0	1
2046	2	0.00	1.00	1.00	1.00	1.00	0	1
2046	3	0.00	0.00	1.00	1.00	1.00	0	1
2046	4	0.00	0.00	1.00	1.00	1.00	0	1
2046	5	0.00	0.00	1.00	1.00	1.00	0	1
2046	6	0.00	0.00	1.00	1.00	1.00	0	1

Kentucky Power Company
 Commercial Model Input Data

Year	Month	dJan12on	dFeb12on	nov15on	nov16on	may18on	XMissing	YMissing
2046	7	0.00	0.00	1.00	1.00	1.00	0	1
2046	8	0.00	0.00	1.00	1.00	1.00	0	1
2046	9	0.00	0.00	1.00	1.00	1.00	0	1
2046	10	0.00	0.00	1.00	1.00	1.00	0	1
2046	11	0.00	0.00	1.00	1.00	1.00	0	1
2046	12	0.00	0.00	1.00	1.00	1.00	0	1
2047	1	1.00	0.00	1.00	1.00	1.00	0	1
2047	2	0.00	1.00	1.00	1.00	1.00	0	1
2047	3	0.00	0.00	1.00	1.00	1.00	0	1
2047	4	0.00	0.00	1.00	1.00	1.00	0	1
2047	5	0.00	0.00	1.00	1.00	1.00	0	1
2047	6	0.00	0.00	1.00	1.00	1.00	0	1
2047	7	0.00	0.00	1.00	1.00	1.00	0	1
2047	8	0.00	0.00	1.00	1.00	1.00	0	1
2047	9	0.00	0.00	1.00	1.00	1.00	0	1
2047	10	0.00	0.00	1.00	1.00	1.00	0	1
2047	11	0.00	0.00	1.00	1.00	1.00	0	1
2047	12	0.00	0.00	1.00	1.00	1.00	0	1
2048	1	1.00	0.00	1.00	1.00	1.00	0	1
2048	2	0.00	1.00	1.00	1.00	1.00	0	1
2048	3	0.00	0.00	1.00	1.00	1.00	0	1
2048	4	0.00	0.00	1.00	1.00	1.00	0	1
2048	5	0.00	0.00	1.00	1.00	1.00	0	1
2048	6	0.00	0.00	1.00	1.00	1.00	0	1
2048	7	0.00	0.00	1.00	1.00	1.00	0	1
2048	8	0.00	0.00	1.00	1.00	1.00	0	1
2048	9	0.00	0.00	1.00	1.00	1.00	0	1
2048	10	0.00	0.00	1.00	1.00	1.00	0	1
2048	11	0.00	0.00	1.00	1.00	1.00	0	1
2048	12	0.00	0.00	1.00	1.00	1.00	0	1
2049	1	1.00	0.00	1.00	1.00	1.00	0	1
2049	2	0.00	1.00	1.00	1.00	1.00	0	1
2049	3	0.00	0.00	1.00	1.00	1.00	0	1
2049	4	0.00	0.00	1.00	1.00	1.00	0	1

Kentucky Power Company
 Commercial Model Input Data

Year	Month	dJan12on	dFeb12on	nov15on	nov16on	may18on	XMissing	YMissing
2049	5	0.00	0.00	1.00	1.00	1.00	0	1
2049	6	0.00	0.00	1.00	1.00	1.00	0	1
2049	7	0.00	0.00	1.00	1.00	1.00	0	1
2049	8	0.00	0.00	1.00	1.00	1.00	0	1
2049	9	0.00	0.00	1.00	1.00	1.00	0	1
2049	10	0.00	0.00	1.00	1.00	1.00	0	1
2049	11	0.00	0.00	1.00	1.00	1.00	0	1
2049	12	0.00	0.00	1.00	1.00	1.00	0	1
2050	1	1.00	0.00	1.00	1.00	1.00	0	1
2050	2	0.00	1.00	1.00	1.00	1.00	0	1
2050	3	0.00	0.00	1.00	1.00	1.00	0	1
2050	4	0.00	0.00	1.00	1.00	1.00	0	1
2050	5	0.00	0.00	1.00	1.00	1.00	0	1
2050	6	0.00	0.00	1.00	1.00	1.00	0	1
2050	7	0.00	0.00	1.00	1.00	1.00	0	1
2050	8	0.00	0.00	1.00	1.00	1.00	0	1
2050	9	0.00	0.00	1.00	1.00	1.00	0	1
2050	10	0.00	0.00	1.00	1.00	1.00	0	1
2050	11	0.00	0.00	1.00	1.00	1.00	0	1
2050	12	0.00	0.00	1.00	1.00	1.00	0	1
2051	1	1.00	0.00	1.00	1.00	1.00	0	1
2051	2	0.00	1.00	1.00	1.00	1.00	0	1
2051	3	0.00	0.00	1.00	1.00	1.00	0	1
2051	4	0.00	0.00	1.00	1.00	1.00	0	1
2051	5	0.00	0.00	1.00	1.00	1.00	0	1
2051	6	0.00	0.00	1.00	1.00	1.00	0	1
2051	7	0.00	0.00	1.00	1.00	1.00	0	1
2051	8	0.00	0.00	1.00	1.00	1.00	0	1
2051	9	0.00	0.00	1.00	1.00	1.00	0	1
2051	10	0.00	0.00	1.00	1.00	1.00	0	1
2051	11	0.00	0.00	1.00	1.00	1.00	0	1
2051	12	0.00	0.00	1.00	1.00	1.00	0	1
2052	1	1.00	0.00	1.00	1.00	1.00	0	1
2052	2	0.00	1.00	1.00	1.00	1.00	0	1

Kentucky Power Company
 Commercial Model Input Data

Year	Month	dJan12on	dFeb12on	nov15on	nov16on	may18on	XMissing	YMissing
2052	3	0.00	0.00	1.00	1.00	1.00	0	1
2052	4	0.00	0.00	1.00	1.00	1.00	0	1
2052	5	0.00	0.00	1.00	1.00	1.00	0	1
2052	6	0.00	0.00	1.00	1.00	1.00	0	1
2052	7	0.00	0.00	1.00	1.00	1.00	0	1
2052	8	0.00	0.00	1.00	1.00	1.00	0	1
2052	9	0.00	0.00	1.00	1.00	1.00	0	1
2052	10	0.00	0.00	1.00	1.00	1.00	0	1
2052	11	0.00	0.00	1.00	1.00	1.00	0	1
2052	12	0.00	0.00	1.00	1.00	1.00	0	1
2053	1	1.00	0.00	1.00	1.00	1.00	0	1
2053	2	0.00	1.00	1.00	1.00	1.00	0	1
2053	3	0.00	0.00	1.00	1.00	1.00	0	1
2053	4	0.00	0.00	1.00	1.00	1.00	0	1
2053	5	0.00	0.00	1.00	1.00	1.00	0	1
2053	6	0.00	0.00	1.00	1.00	1.00	0	1
2053	7	0.00	0.00	1.00	1.00	1.00	0	1
2053	8	0.00	0.00	1.00	1.00	1.00	0	1
2053	9	0.00	0.00	1.00	1.00	1.00	0	1
2053	10	0.00	0.00	1.00	1.00	1.00	0	1
2053	11	0.00	0.00	1.00	1.00	1.00	0	1
2053	12	0.00	0.00	1.00	1.00	1.00	0	1
2054	1	1.00	0.00	1.00	1.00	1.00	0	1
2054	2	0.00	1.00	1.00	1.00	1.00	0	1
2054	3	0.00	0.00	1.00	1.00	1.00	0	1
2054	4	0.00	0.00	1.00	1.00	1.00	0	1
2054	5	0.00	0.00	1.00	1.00	1.00	0	1
2054	6	0.00	0.00	1.00	1.00	1.00	0	1
2054	7	0.00	0.00	1.00	1.00	1.00	0	1
2054	8	0.00	0.00	1.00	1.00	1.00	0	1
2054	9	0.00	0.00	1.00	1.00	1.00	0	1
2054	10	0.00	0.00	1.00	1.00	1.00	0	1
2054	11	0.00	0.00	1.00	1.00	1.00	0	1
2054	12	0.00	0.00	1.00	1.00	1.00	0	1

Kentucky Power Company
 Commercial Model Coefficients

Variable	Coefficient	StdErr	T-Stat	P-Value	Definition
CONST	65630.957	8222.129	7.982	0.00%	Constant term
CommercialVars.XHeat	1.264	0.074	16.988	0.00%	Commercial Heating Component
CommercialVars.XCool	0.875	0.066	13.249	0.00%	Commercial Cooling Component
CommercialVars.XOther	0.300	0.067	4.447	0.00%	Commercial Other Component
BinaryVars.Jan	4985.331	1108.426	4.498	0.00%	January
BinaryVars.Feb	-4285.378	1336.389	-3.207	0.16%	February
BinaryVars.Mar	-5520.112	1048.761	-5.263	0.00%	March
BinaryVars.Apr	-5661.842	1036.942	-5.460	0.00%	April
BinaryVars.May	-4550.209	1345.737	-3.381	0.09%	May
BinaryVars.Jun	740.838	1499.861	0.494	62.20%	June
BinaryVars.Jul	698.470	1885.265	0.370	71.15%	July
BinaryVars.Aug	-84.488	2098.361	-0.040	96.79%	August
BinaryVars.Sep	4174.254	1813.630	2.302	2.27%	September
BinaryVars.Oct	-938.032	1464.992	-0.640	52.29%	October
BinaryVars.Nov	-6619.753	1175.240	-5.633	0.00%	November
BinaryVars.Sep07on	5460.703	744.814	7.332	0.00%	Binary Variable-September 2007 On
BinaryVars.D05on	4174.109	754.205	5.534	0.00%	Binary Variable-2005 On
BinaryVars.D12on	-2817.885	788.807	-3.572	0.05%	Binary Variable-2012 On
BinaryVars.dJan12on	2349.656	1173.671	2.002	4.70%	Binary Variable-2012 On January
BinaryVars.dFeb12on	4439.858	1213.885	3.658	0.04%	Binary Variable-2012 On February
BinaryVars.nov15on	-2869.210	776.233	-3.696	0.03%	Binary Variable-November 2015 On
BinaryVars.nov16on	-1751.694	825.021	-2.123	3.53%	Binary Variable-November 2016 On
BinaryVars.may18on	-1533.712	918.636	-1.670	9.70%	Binary Variable-May 2018 On

Kentucky Power Company
 Commercial Model Statistics

Model Statistics		Forecast Statistics	
Iterations	1	Forecast Observations	0
Adjusted Observations	181	Mean Abs. Dev. (MAD)	0.00
Deg. of Freedom for Error	158	Mean Abs. % Err. (MAPE)	0.00%
R-Squared	0.969	Avg. Forecast Error	0.00
Adjusted R-Squared	0.965	Mean % Error	0.00%
AIC	15.469	Root Mean-Square Error	0.00
BIC	15.875	Theil's Inequality Coefficient	0.0000
F-Statistic	227.104	-- Bias Proportion	0.00%
Prob (F-Statistic)	0.0000	-- Variance Proportion	0.00%
Log-Likelihood	-1,633.74	-- Covariance Proportion	0.00%
Model Sum of Squares	23,185,677,827.92		
Sum of Squared Errors	733,210,554.90		
Mean Squared Error	4,640,573.13		
Std. Error of Regression	2,154.20		
Mean Abs. Dev. (MAD)	1,512.72		
Mean Abs. % Err. (MAPE)	1.31%		
Durbin-Watson Statistic	1.286		
Durbin-H Statistic	#NA		
Ljung-Box Statistic	40.80		
Prob (Ljung-Box)	0.0175		
Skewness	0.169		
Kurtosis	3.577		
Jarque-Bera	3.380		
Prob (Jarque-Bera)	0.1846		

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun
2004	1	135,612.399	65,630.957	28,176.263	51,701	36,768.146	4,985.331	0.000	0.000	0.000	0.000	0.000
2004	2	130,439.184	65,630.957	36,287.657	17,229	32,788.718	0.000	-4,285.378	0.000	0.000	0.000	0.000
2004	3	113,800.507	65,630.957	21,071.124	155,040	32,463.499	0.000	0.000	-5,520.112	0.000	0.000	0.000
2004	4	106,428.258	65,630.957	11,646.554	859,174	33,953.415	0.000	0.000	0.000	-5,661.842	0.000	0.000
2004	5	101,616.699	65,630.957	2,878.889	4,769,423	32,887.639	0.000	0.000	0.000	0.000	-4,550.209	0.000
2004	6	114,270.692	65,630.957	199,409	13,079,114	34,620.375	0.000	0.000	0.000	0.000	0.000	740,838
2004	7	116,917.925	65,630.957	0.000	16,706,199	33,882.300	0.000	0.000	0.000	0.000	0.000	0.000
2004	8	114,549.258	65,630.957	0.000	16,485,933	32,516.855	0.000	0.000	0.000	0.000	0.000	0.000
2004	9	117,469.350	65,630.957	0.000	14,446,782	33,217.358	0.000	0.000	0.000	0.000	0.000	0.000
2004	10	102,712.352	65,630.957	487,079	4,293,746	33,238.602	0.000	0.000	0.000	0.000	0.000	0.000
2004	11	95,344.060	65,630.957	3,138.887	856,812	32,337.157	0.000	0.000	0.000	0.000	0.000	0.000
2004	12	116,227.836	65,630.957	14,475.185	124,519	35,997.175	0.000	0.000	0.000	0.000	0.000	0.000
2005	1	135,219.389	65,630.957	24,336.896	0.000	36,092.096	4,985.331	0.000	0.000	0.000	0.000	0.000
2005	2	127,473.385	65,630.957	29,219.996	0.000	32,733.701	0.000	-4,285.378	0.000	0.000	0.000	0.000
2005	3	121,738.384	65,630.957	24,934.552	0.000	32,518.879	0.000	0.000	-5,520.112	0.000	0.000	0.000
2005	4	109,698.668	65,630.957	11,585.723	381,397	33,588.325	0.000	0.000	0.000	-5,661.842	0.000	0.000
2005	5	102,159.439	65,630.957	3,344.949	1,403,206	32,156.428	0.000	0.000	0.000	0.000	-4,550.209	0.000
2005	6	113,507.500	65,630.957	455,831	8,188,305	34,317.460	0.000	0.000	0.000	0.000	0.000	740,838
2005	7	127,283.903	65,630.957	0.000	23,308,316	33,472.052	0.000	0.000	0.000	0.000	0.000	0.000
2005	8	131,798.238	65,630.957	0.000	29,720,230	32,357.431	0.000	0.000	0.000	0.000	0.000	0.000
2005	9	130,040.454	65,630.957	0.000	22,389,505	33,671.630	0.000	0.000	0.000	0.000	0.000	0.000
2005	10	111,841.683	65,630.957	284,054	10,306,182	32,384,413	0.000	0.000	0.000	0.000	0.000	0.000
2005	11	104,029.344	65,630.957	7,157.207	648,868	33,037.957	0.000	0.000	0.000	0.000	0.000	0.000
2005	12	129,533.211	65,630.957	24,277.439	95,522	35,355.184	0.000	0.000	0.000	0.000	0.000	0.000
2006	1	134,442.359	65,630.957	23,530.896	0.000	36,121.066	4,985.331	0.000	0.000	0.000	0.000	0.000
2006	2	118,128.326	65,630.957	20,011.169	0.000	32,597.469	0.000	-4,285.378	0.000	0.000	0.000	0.000
2006	3	118,334.608	65,630.957	22,654.334	88,498	31,306.823	0.000	0.000	-5,520.112	0.000	0.000	0.000
2006	4	108,482.068	65,630.957	11,762.219	1,065,363	31,511.263	0.000	0.000	0.000	-5,661.842	0.000	0.000
2006	5	100,674.243	65,630.957	961,456	1,788,847	32,669.083	0.000	0.000	0.000	0.000	-4,550.209	0.000
2006	6	111,202.005	65,630.957	185,594	6,759,632	33,710.875	0.000	0.000	0.000	0.000	0.000	740,838
2006	7	120,495.361	65,630.957	0.000	16,681,678	33,310.147	0.000	0.000	0.000	0.000	0.000	0.000
2006	8	127,317.437	65,630.957	0.000	26,283,594	31,313.266	0.000	0.000	0.000	0.000	0.000	0.000
2006	9	124,248.378	65,630.957	43,937	16,699,456	33,525.665	0.000	0.000	0.000	0.000	0.000	0.000
2006	10	105,219.444	65,630.957	1,819,738	2,352,836	32,179.836	0.000	0.000	0.000	0.000	0.000	0.000

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun
2006	11	105,444.338	65,630.957	10,018.931	162.208	32,077.886	0.000	0.000	0.000	0.000	0.000	0.000
2006	12	120,169.707	65,630.957	15,787.141	169.402	34,408.099	0.000	0.000	0.000	0.000	0.000	0.000
2007	1	126,589.576	65,630.957	16,483.615	18.691	35,296.874	4,985.331	0.000	0.000	0.000	0.000	0.000
2007	2	130,050.456	65,630.957	33,129.122	0.000	31,401.646	0.000	-4,285.378	0.000	0.000	0.000	0.000
2007	3	123,468.065	65,630.957	27,936.768	143.028	31,103.317	0.000	0.000	-5,520.112	0.000	0.000	0.000
2007	4	108,548.422	65,630.957	9,648.326	1,861.742	32,895.131	0.000	0.000	0.000	-5,661.842	0.000	0.000
2007	5	104,178.360	65,630.957	3,636.485	3,228.257	32,058.761	0.000	0.000	0.000	0.000	-4,550.209	0.000
2007	6	114,562.557	65,630.957	149.472	11,404.257	32,462.924	0.000	0.000	0.000	0.000	0.000	740.838
2007	7	121,149.364	65,630.957	0.000	18,536.891	32,108.937	0.000	0.000	0.000	0.000	0.000	0.000
2007	8	122,713.267	65,630.957	0.000	21,718.381	31,274.309	0.000	0.000	0.000	0.000	0.000	0.000
2007	9	135,750.480	65,630.957	0.000	23,940.591	32,369.867	0.000	0.000	0.000	0.000	0.000	0.000
2007	10	117,300.965	65,630.957	305.033	11,116.692	31,551.504	0.000	0.000	0.000	0.000	0.000	0.000
2007	11	108,488.698	65,630.957	5,954.958	1,884.576	32,003.149	0.000	0.000	0.000	0.000	0.000	0.000
2007	12	126,344.341	65,630.957	16,933.978	0.000	34,144.595	0.000	0.000	0.000	0.000	0.000	0.000
2008	1	137,101.426	65,630.957	22,293.796	0.000	34,556.532	4,985.331	0.000	0.000	0.000	0.000	0.000
2008	2	128,821.434	65,630.957	27,183.528	0.000	30,657.516	0.000	-4,285.378	0.000	0.000	0.000	0.000
2008	3	123,721.708	65,630.957	23,223.227	0.000	30,752.826	0.000	0.000	-5,520.112	0.000	0.000	0.000
2008	4	111,777.610	65,630.957	10,459.271	89.931	31,624.482	0.000	0.000	0.000	-5,661.842	0.000	0.000
2008	5	104,753.755	65,630.957	2,321.973	1,171.777	30,544.445	0.000	0.000	0.000	0.000	-4,550.209	0.000
2008	6	115,132.789	65,630.957	159.014	6,956.871	32,010.298	0.000	0.000	0.000	0.000	0.000	740.838
2008	7	121,971.474	65,630.957	0.000	14,470.029	31,537.207	0.000	0.000	0.000	0.000	0.000	0.000
2008	8	123,650.321	65,630.957	0.000	17,502.060	30,966.980	0.000	0.000	0.000	0.000	0.000	0.000
2008	9	127,190.466	65,630.957	0.000	16,231.604	31,518.840	0.000	0.000	0.000	0.000	0.000	0.000
2008	10	111,513.604	65,630.957	383.542	6,310.383	30,491.943	0.000	0.000	0.000	0.000	0.000	0.000
2008	11	107,133.980	65,630.957	7,513.613	406.848	30,567.503	0.000	0.000	0.000	0.000	0.000	0.000
2008	12	132,851.817	65,630.957	24,408.281	0.000	33,177.768	0.000	0.000	0.000	0.000	0.000	0.000
2009	1	139,993.447	65,630.957	25,972.547	0.000	33,769.801	4,985.331	0.000	0.000	0.000	0.000	0.000
2009	2	132,727.093	65,630.957	31,546.669	0.000	30,200.033	0.000	-4,285.378	0.000	0.000	0.000	0.000
2009	3	119,606.897	65,630.957	20,343.386	255.419	29,262.437	0.000	0.000	-5,520.112	0.000	0.000	0.000
2009	4	108,235.513	65,630.957	7,847.251	193.928	30,590.409	0.000	0.000	0.000	-5,661.842	0.000	0.000
2009	5	106,806.453	65,630.957	2,027.222	3,713.628	30,350.044	0.000	0.000	0.000	0.000	-4,550.209	0.000
2009	6	114,475.687	65,630.957	196.375	7,469.393	30,803.313	0.000	0.000	0.000	0.000	0.000	740.838
2009	7	119,510.687	65,630.957	0.000	12,871.050	30,675.399	0.000	0.000	0.000	0.000	0.000	0.000
2009	8	118,382.565	65,630.957	0.000	13,259.644	29,941.641	0.000	0.000	0.000	0.000	0.000	0.000

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun
2012	7	123,025.462	65,630.957	0.000	20,947.545	28,931.564	0.000	0.000	0.000	0.000	0.000	0.000
2012	8	120,239.838	65,630.957	0.000	20,600.697	27,275.746	0.000	0.000	0.000	0.000	0.000	0.000
2012	9	119,732.829	65,630.957	23.131	14,511.073	28,576.488	0.000	0.000	0.000	0.000	0.000	0.000
2012	10	104,003.720	65,630.957	1,535.924	3,488.357	27,469.588	0.000	0.000	0.000	0.000	0.000	0.000
2012	11	101,948.433	65,630.957	7,973.708	447.817	27,698.777	0.000	0.000	0.000	0.000	0.000	0.000
2012	12	115,319.011	65,630.957	13,005.614	0.000	29,865.514	0.000	0.000	0.000	0.000	0.000	0.000
2013	1	129,280.721	65,630.957	19,583.523	0.000	29,914.327	4,985.331	0.000	0.000	0.000	0.000	0.000
2013	2	122,562.893	65,630.957	22,946.054	0.000	27,014.474	0.000	-4,285.378	0.000	0.000	0.000	0.000
2013	3	113,790.932	65,630.957	19,803.610	0.000	27,059.551	0.000	0.000	-5,520.112	0.000	0.000	0.000
2013	4	108,575.596	65,630.957	12,939.563	1,017.347	27,832.645	0.000	0.000	0.000	-5,661.842	0.000	0.000
2013	5	99,533.910	65,630.957	1,571.494	2,741.549	27,323.192	0.000	0.000	0.000	0.000	-4,550.209	0.000
2013	6	111,475.757	65,630.957	274.634	10,043.304	27,969.098	0.000	0.000	0.000	0.000	0.000	740.838
2013	7	118,176.397	65,630.957	0.000	17,515.571	27,514.473	0.000	0.000	0.000	0.000	0.000	0.000
2013	8	115,824.185	65,630.957	0.000	16,365.453	27,095.336	0.000	0.000	0.000	0.000	0.000	0.000
2013	9	118,302.920	65,630.957	0.000	14,126.906	27,553.877	0.000	0.000	0.000	0.000	0.000	0.000
2013	10	104,565.486	65,630.957	381.456	5,591.405	27,082.774	0.000	0.000	0.000	0.000	0.000	0.000
2013	11	99,940.435	65,630.957	6,407.190	805.632	26,899.482	0.000	0.000	0.000	0.000	0.000	0.000
2013	12	119,543.720	65,630.957	17,319.873	23.952	29,752.011	0.000	0.000	0.000	0.000	0.000	0.000
2014	1	132,654.127	65,630.957	23,003.266	45.661	29,822.330	4,985.331	0.000	0.000	0.000	0.000	0.000
2014	2	129,539.355	65,630.957	30,538.353	0.000	26,398.639	0.000	-4,285.378	0.000	0.000	0.000	0.000
2014	3	115,192.506	65,630.957	21,793.513	0.000	26,471.222	0.000	0.000	-5,520.112	0.000	0.000	0.000
2014	4	104,433.837	65,630.957	10,646.443	360.033	26,641.320	0.000	0.000	0.000	-5,661.842	0.000	0.000
2014	5	98,733.285	65,630.957	1,305.626	1,942.967	27,587.017	0.000	0.000	0.000	0.000	-4,550.209	0.000
2014	6	108,302.994	65,630.957	360.440	7,499.893	27,253.940	0.000	0.000	0.000	0.000	0.000	740.838
2014	7	116,274.802	65,630.957	0.000	15,845.202	27,283.247	0.000	0.000	0.000	0.000	0.000	0.000
2014	8	110,237.398	65,630.957	0.000	11,233.520	26,640.482	0.000	0.000	0.000	0.000	0.000	0.000
2014	9	116,874.292	65,630.957	0.000	13,038.320	27,213.835	0.000	0.000	0.000	0.000	0.000	0.000
2014	10	101,687.643	65,630.957	652.553	3,303.770	26,221.469	0.000	0.000	0.000	0.000	0.000	0.000
2014	11	99,895.945	65,630.957	7,317.946	309.208	26,440.659	0.000	0.000	0.000	0.000	0.000	0.000
2014	12	119,121.110	65,630.957	17,670.287	0.946	29,001.994	0.000	0.000	0.000	0.000	0.000	0.000
2015	1	130,755.550	65,630.957	21,644.991	0.000	29,327.688	4,985.331	0.000	0.000	0.000	0.000	0.000
2015	2	125,829.269	65,630.957	27,039.819	0.000	26,187.086	0.000	-4,285.378	0.000	0.000	0.000	0.000
2015	3	121,509.314	65,630.957	28,391.607	0.000	26,189.936	0.000	0.000	-5,520.112	0.000	0.000	0.000
2015	4	102,148.170	65,630.957	8,000.712	269.301	27,092.116	0.000	0.000	0.000	-5,661.842	0.000	0.000

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun
2015	5	99,061.441	65,630.957	1,971.175	2,939.523	26,253.068	0.000	0.000	0.000	0.000	-4,550.209	0.000
2015	6	110,788.066	65,630.957	67.010	10,786.133	26,746.202	0.000	0.000	0.000	0.000	0.000	740.838
2015	7	114,915.065	65,630.957	0.000	15,326.210	26,442.502	0.000	0.000	0.000	0.000	0.000	0.000
2015	8	113,960.660	65,630.957	0.000	16,257.497	25,339.768	0.000	0.000	0.000	0.000	0.000	0.000
2015	9	115,629.276	65,630.957	0.000	12,386.057	26,621.082	0.000	0.000	0.000	0.000	0.000	0.000
2015	10	102,370.049	65,630.957	655.844	3,922.527	26,281.828	0.000	0.000	0.000	0.000	0.000	0.000
2015	11	92,781.328	65,630.957	3,783.728	270.647	25,768.032	0.000	0.000	0.000	0.000	0.000	0.000
2015	12	107,155.708	65,630.957	9,299.227	55.930	28,221.878	0.000	0.000	0.000	0.000	0.000	0.000
2016	1	121,074.887	65,630.957	15,245.085	0.000	28,916.141	4,985.331	0.000	0.000	0.000	0.000	0.000
2016	2	120,664.205	65,630.957	25,445.444	0.000	25,485.607	0.000	-4,285.378	0.000	0.000	0.000	0.000
2016	3	104,175.750	65,630.957	14,314.567	69.259	25,733.363	0.000	0.000	-5,520.112	0.000	0.000	0.000
2016	4	96,155.360	65,630.957	5,127.569	513.783	26,597.177	0.000	0.000	0.000	-5,661.842	0.000	0.000
2016	5	94,821.058	65,630.957	1,707.309	2,714.113	25,371.172	0.000	0.000	0.000	0.000	-4,550.209	0.000
2016	6	106,473.071	65,630.957	399.156	9,180.439	26,573.965	0.000	0.000	0.000	0.000	0.000	740.838
2016	7	113,775.093	65,630.957	0.000	17,077.117	26,420.833	0.000	0.000	0.000	0.000	0.000	0.000
2016	8	117,761.690	65,630.957	0.000	22,814.798	25,452.707	0.000	0.000	0.000	0.000	0.000	0.000
2016	9	121,097.251	65,630.957	0.000	20,967.891	26,376.432	0.000	0.000	0.000	0.000	0.000	0.000
2016	10	104,435.380	65,630.957	66.204	10,025.027	25,703.508	0.000	0.000	0.000	0.000	0.000	0.000
2016	11	91,105.765	65,630.957	2,184.594	2,414.670	25,299.274	0.000	0.000	0.000	0.000	0.000	0.000
2016	12	108,559.124	65,630.957	12,797.101	99.459	27,835.585	0.000	0.000	0.000	0.000	0.000	0.000
2017	1	120,372.303	65,630.957	17,164.142	0.000	28,046.193	4,985.331	0.000	0.000	0.000	0.000	0.000
2017	2	107,589.651	65,630.957	14,288.569	0.000	25,319.621	0.000	-4,285.378	0.000	0.000	0.000	0.000
2017	3	98,535.495	65,630.957	11,206.693	32.545	24,989.390	0.000	0.000	-5,520.112	0.000	0.000	0.000
2017	4	94,730.786	65,630.957	6,928.246	768.703	24,868.699	0.000	0.000	0.000	-5,661.842	0.000	0.000
2017	5	93,073.667	65,630.957	945.035	4,059.573	24,792.288	0.000	0.000	0.000	0.000	-4,550.209	0.000
2017	6	102,457.758	65,630.957	227.625	7,630.849	26,031.466	0.000	0.000	0.000	0.000	0.000	740.838
2017	7	109,860.863	65,630.957	0.000	15,250.441	26,084.973	0.000	0.000	0.000	0.000	0.000	0.000
2017	8	109,040.605	65,630.957	0.000	16,286.869	25,011.243	0.000	0.000	0.000	0.000	0.000	0.000
2017	9	107,398.321	65,630.957	0.000	9,706.226	25,690.861	0.000	0.000	0.000	0.000	0.000	0.000
2017	10	99,417.821	65,630.957	124.013	7,154.742	25,250.118	0.000	0.000	0.000	0.000	0.000	0.000
2017	11	92,694.893	65,630.957	5,024.311	1,300.897	25,162.458	0.000	0.000	0.000	0.000	0.000	0.000
2017	12	108,670.855	65,630.957	13,495.014	48.582	27,300.280	0.000	0.000	0.000	0.000	0.000	0.000
2018	1	129,399.706	65,630.957	26,703.843	100.095	27,433.801	4,985.331	0.000	0.000	0.000	0.000	0.000
2018	2	114,600.349	65,630.957	21,635.515	168.788	24,814.586	0.000	-4,285.378	0.000	0.000	0.000	0.000

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun
2018	3	99,268.831	65,630.957	12,050.958	339.142	24,571.864	0.000	0.000	-5,520.112	0.000	0.000	0.000
2018	4	99,788.309	65,630.957	11,571.959	390.563	25,660.650	0.000	0.000	0.000	-5,661.842	0.000	0.000
2018	5	93,351.586	65,630.957	2,840.935	4,244.187	24,523.405	0.000	0.000	0.000	0.000	-4,550.209	0.000
2018	6	107,479.703	65,630.957	38.245	14,277.524	26,129.828	0.000	0.000	0.000	0.000	0.000	740.838
2018	7	111,421.507	65,630.957	0.000	19,020.017	25,409.753	0.000	0.000	0.000	0.000	0.000	0.000
2018	8	107,902.799	65,630.957	0.000	17,364.717	24,329.302	0.000	0.000	0.000	0.000	0.000	0.000
2018	9	113,287.946	65,630.957	0.000	17,583.020	25,237.404	0.000	0.000	0.000	0.000	0.000	0.000
2018	10	101,678.330	65,630.957	719.338	11,014.472	24,589.284	0.000	0.000	0.000	0.000	0.000	0.000
2018	11	93,193.092	65,630.957	6,966.275	1,609.504	24,943.798	0.000	0.000	0.000	0.000	0.000	0.000
2018	12	108,899.618	65,630.957	16,054.702	8.894	26,542.754	0.000	0.000	0.000	0.000	0.000	0.000
2019	1	117,108.226	65,630.957	16,238.539	0.000	27,241.432	4,985.331	0.000	0.000	0.000	0.000	0.000
2019	2	112,525.921	65,630.957	21,661.228	7.166	24,409.779	0.000	-4,285.378	0.000	0.000	0.000	0.000
2019	3	101,361.676	65,630.957	16,260.788	98.103	24,229.629	0.000	0.000	-5,520.112	0.000	0.000	0.000
2019	4	94,432.040	65,630.957	8,068.267	769.673	24,962.674	0.000	0.000	0.000	-5,661.842	0.000	0.000
2019	5	90,735.317	65,630.957	1,887.606	2,516.963	24,587.688	0.000	0.000	0.000	0.000	-4,550.209	0.000
2019	6	100,366.963	65,630.957	230.551	7,702.265	25,400.041	0.000	0.000	0.000	0.000	0.000	740.838
2019	7	107,822.410	65,630.957	0.467	15,635.961	25,194.245	0.000	0.000	0.000	0.000	0.000	0.000
2019	8	108,086.689	65,630.957	0.000	17,582.828	24,295.081	0.000	0.000	0.000	0.000	0.000	0.000
2019	9	109,788.980	65,630.957	5.177	14,213.359	25,102.923	0.000	0.000	0.000	0.000	0.000	0.000
2019	10	95,484.965	65,630.957	694.641	4,872.299	24,562.788	0.000	0.000	0.000	0.000	0.000	0.000
2019	11	90,026.203	65,630.957	5,209.631	673.385	24,469.672	0.000	0.000	0.000	0.000	0.000	0.000
2019	12	106,530.507	65,630.957	13,458.380	67.356	26,711.503	0.000	0.000	0.000	0.000	0.000	0.000
2020	1	120,822.464	65,630.957	20,174.265	10.114	27,009.830	4,985.331	0.000	0.000	0.000	0.000	0.000
2020	2	112,329.652	65,630.957	21,666.069	7.146	24,208.689	0.000	-4,285.378	0.000	0.000	0.000	0.000
2020	3	101,177.737	65,630.957	16,269.375	97.866	24,037.340	0.000	0.000	-5,520.112	0.000	0.000	0.000
2020	4	94,247.150	65,630.957	8,075.126	768.060	24,772.538	0.000	0.000	0.000	-5,661.842	0.000	0.000
2020	5	90,549.729	65,630.957	1,889.562	2,512.156	24,404.951	0.000	0.000	0.000	0.000	-4,550.209	0.000
2020	6	100,161.823	65,630.957	230.777	7,687.116	25,209.824	0.000	0.000	0.000	0.000	0.000	740.838
2020	7	107,603.490	65,630.957	0.467	15,605.402	25,005.883	0.000	0.000	0.000	0.000	0.000	0.000
2020	8	107,873.689	65,630.957	0.000	17,549.730	24,115.179	0.000	0.000	0.000	0.000	0.000	0.000
2020	9	109,583.676	65,630.957	5.183	14,189.262	24,921.709	0.000	0.000	0.000	0.000	0.000	0.000
2020	10	95,299.390	65,630.957	695.490	4,863.898	24,384.766	0.000	0.000	0.000	0.000	0.000	0.000
2020	11	89,846.221	65,630.957	5,214.644	672.049	24,286.013	0.000	0.000	0.000	0.000	0.000	0.000
2020	12	106,326.273	65,630.957	13,465.759	67.194	26,500.052	0.000	0.000	0.000	0.000	0.000	0.000

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun
2023	11	89,028.559	65,630.957	5,082.540	660.941	23,611.563	0.000	0.000	0.000	0.000	0.000	0.000
2023	12	105,237.859	65,630.957	13,121.179	66.066	25,757.345	0.000	0.000	0.000	0.000	0.000	0.000
2024	1	119,008.128	65,630.957	19,243.486	9.902	26,126.485	4,985.331	0.000	0.000	0.000	0.000	0.000
2024	2	110,527.096	65,630.957	20,661.276	6.995	23,411.077	0.000	-4,285.378	0.000	0.000	0.000	0.000
2024	3	99,619.210	65,630.957	15,510.880	95.766	23,239.409	0.000	0.000	-5,520.112	0.000	0.000	0.000
2024	4	93,023.138	65,630.957	7,696.583	751.377	23,943.753	0.000	0.000	0.000	-5,661.842	0.000	0.000
2024	5	89,582.618	65,630.957	1,800.500	2,456.929	23,582.130	0.000	0.000	0.000	0.000	-4,550.209	0.000
2024	6	99,123.555	65,630.957	219.842	7,516.146	24,353.461	0.000	0.000	0.000	0.000	0.000	740.838
2024	7	106,397.158	65,630.957	0.445	15,254.530	24,150.446	0.000	0.000	0.000	0.000	0.000	0.000
2024	8	106,644.642	65,630.957	0.000	17,151.115	23,284.747	0.000	0.000	0.000	0.000	0.000	0.000
2024	9	108,394.128	65,630.957	4.934	13,863.756	24,057.916	0.000	0.000	0.000	0.000	0.000	0.000
2024	10	94,302.336	65,630.957	661.904	4,751.192	23,534.004	0.000	0.000	0.000	0.000	0.000	0.000
2024	11	88,724.567	65,630.957	4,961.637	656.320	23,433.095	0.000	0.000	0.000	0.000	0.000	0.000
2024	12	104,731.815	65,630.957	12,809.463	65.606	25,563.477	0.000	0.000	0.000	0.000	0.000	0.000
2025	1	118,370.066	65,630.957	18,790.433	9.838	25,941.540	4,985.331	0.000	0.000	0.000	0.000	0.000
2025	2	109,872.970	65,630.957	20,173.949	6.949	23,244.323	0.000	-4,285.378	0.000	0.000	0.000	0.000
2025	3	99,085.216	65,630.957	15,144.243	95.143	23,072.675	0.000	0.000	-5,520.112	0.000	0.000	0.000
2025	4	92,662.912	65,630.957	7,514.275	746.447	23,770.763	0.000	0.000	0.000	-5,661.842	0.000	0.000
2025	5	89,352.085	65,630.957	1,757.764	2,440.687	23,410.575	0.000	0.000	0.000	0.000	-4,550.209	0.000
2025	6	98,889.949	65,630.957	214.613	7,466.099	24,175.130	0.000	0.000	0.000	0.000	0.000	740.838
2025	7	106,116.988	65,630.957	0.435	15,152.282	23,972.535	0.000	0.000	0.000	0.000	0.000	0.000
2025	8	106,356.238	65,630.957	0.000	17,035.344	23,112.114	0.000	0.000	0.000	0.000	0.000	0.000
2025	9	108,120.308	65,630.957	4.816	13,769.533	23,878.438	0.000	0.000	0.000	0.000	0.000	0.000
2025	10	94,077.434	65,630.957	646.045	4,718.702	23,357.450	0.000	0.000	0.000	0.000	0.000	0.000
2025	11	88,424.067	65,630.957	4,842.534	651.801	23,256.217	0.000	0.000	0.000	0.000	0.000	0.000
2025	12	104,229.336	65,630.957	12,501.454	65.152	25,369.462	0.000	0.000	0.000	0.000	0.000	0.000
2026	1	117,646.011	65,630.957	18,341.477	9.775	25,666.504	4,985.331	0.000	0.000	0.000	0.000	0.000
2026	2	109,142.758	65,630.957	19,691.146	6.904	22,996.959	0.000	-4,285.378	0.000	0.000	0.000	0.000
2026	3	98,475.101	65,630.957	14,781.212	94.521	22,826.213	0.000	0.000	-5,520.112	0.000	0.000	0.000
2026	4	92,222.625	65,630.957	7,333.830	741.540	23,515.829	0.000	0.000	0.000	-5,661.842	0.000	0.000
2026	5	89,041.620	65,630.957	1,715.482	2,424.539	23,158.539	0.000	0.000	0.000	0.000	-4,550.209	0.000
2026	6	98,573.730	65,630.957	209.442	7,416.376	23,913.806	0.000	0.000	0.000	0.000	0.000	740.838
2026	7	105,755.529	65,630.957	0.424	15,050.825	23,712.543	0.000	0.000	0.000	0.000	0.000	0.000
2026	8	105,989.959	65,630.957	0.000	16,920.618	22,860.562	0.000	0.000	0.000	0.000	0.000	0.000

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun
2029	7	104,819.617	65,630.957	0.395	14,789.937	23,037.548	0.000	0.000	0.000	0.000	0.000	0.000
2029	8	105,047.205	65,630.957	0.000	16,627.870	22,210.555	0.000	0.000	0.000	0.000	0.000	0.000
2029	9	106,858.937	65,630.957	4.373	13,440.132	22,946.912	0.000	0.000	0.000	0.000	0.000	0.000
2029	10	92,993.840	65,630.957	586.553	4,605.816	22,446.235	0.000	0.000	0.000	0.000	0.000	0.000
2029	11	87,055.135	65,630.957	4,396.578	636.205	22,348.836	0.000	0.000	0.000	0.000	0.000	0.000
2029	12	102,086.739	65,630.957	11,350.199	63.593	24,379.679	0.000	0.000	0.000	0.000	0.000	0.000
2030	1	114,926.767	65,630.957	16,663.238	9.552	24,625.722	4,985.331	0.000	0.000	0.000	0.000	0.000
2030	2	106,409.396	65,630.957	17,889.887	6.747	22,065.014	0.000	-4,285.378	0.000	0.000	0.000	0.000
2030	3	96,196.763	65,630.957	13,429.454	92.376	21,901.777	0.000	0.000	-5,520.112	0.000	0.000	0.000
2030	4	90,583.632	65,630.957	6,663.342	724.728	22,564.137	0.000	0.000	0.000	-5,661.842	0.000	0.000
2030	5	87,893.334	65,630.957	1,558.691	2,369.639	22,221.945	0.000	0.000	0.000	0.000	-4,550.209	0.000
2030	6	97,420.482	65,630.957	190.305	7,248.672	22,947.398	0.000	0.000	0.000	0.000	0.000	740.838
2030	7	104,457.899	65,630.957	0.385	14,710.888	22,754.889	0.000	0.000	0.000	0.000	0.000	0.000
2030	8	104,685.587	65,630.957	0.000	16,538.898	21,937.909	0.000	0.000	0.000	0.000	0.000	0.000
2030	9	106,504.973	65,630.957	4.271	13,368.119	22,665.062	0.000	0.000	0.000	0.000	0.000	0.000
2030	10	92,679.592	65,630.957	572.849	4,581.110	22,170.397	0.000	0.000	0.000	0.000	0.000	0.000
2030	11	86,674.189	65,630.957	4,293.832	632.788	22,074.053	0.000	0.000	0.000	0.000	0.000	0.000
2030	12	101,520.907	65,630.957	11,084.797	63.251	24,079.591	0.000	0.000	0.000	0.000	0.000	0.000
2031	1	114,250.710	65,630.957	16,265.828	9.505	24,347.122	4,985.331	0.000	0.000	0.000	0.000	0.000
2031	2	105,733.636	65,630.957	17,463.474	6.714	21,815.699	0.000	-4,285.378	0.000	0.000	0.000	0.000
2031	3	95,629.121	65,630.957	13,109.501	91.921	21,654.544	0.000	0.000	-5,520.112	0.000	0.000	0.000
2031	4	90,167.018	65,630.957	6,504.682	721.167	22,309.743	0.000	0.000	0.000	-5,661.842	0.000	0.000
2031	5	87,594.341	65,630.957	1,521.595	2,358.022	21,971.665	0.000	0.000	0.000	0.000	-4,550.209	0.000
2031	6	97,122.373	65,630.957	185.779	7,213.236	22,689.253	0.000	0.000	0.000	0.000	0.000	740.838
2031	7	104,130.342	65,630.957	0.376	14,639.108	22,499.120	0.000	0.000	0.000	0.000	0.000	0.000
2031	8	104,358.693	65,630.957	0.000	16,458.367	21,691.546	0.000	0.000	0.000	0.000	0.000	0.000
2031	9	106,185.852	65,630.957	4.169	13,303.251	22,410.910	0.000	0.000	0.000	0.000	0.000	0.000
2031	10	92,395.417	65,630.957	559.249	4,558.925	21,922.007	0.000	0.000	0.000	0.000	0.000	0.000
2031	11	86,322.313	65,630.957	4,191.961	629.734	21,827.103	0.000	0.000	0.000	0.000	0.000	0.000
2031	12	100,988.861	65,630.957	10,822.007	62.947	23,810.639	0.000	0.000	0.000	0.000	0.000	0.000
2032	1	113,621.771	65,630.957	15,884.343	9.463	24,099.710	4,985.331	0.000	0.000	0.000	0.000	0.000
2032	2	105,101.874	65,630.957	17,053.693	6.684	21,593.748	0.000	-4,285.378	0.000	0.000	0.000	0.000
2032	3	95,100.590	65,630.957	12,801.813	91.510	21,434.111	0.000	0.000	-5,520.112	0.000	0.000	0.000
2032	4	89,783.647	65,630.957	6,351.930	717.939	22,082.352	0.000	0.000	0.000	-5,661.842	0.000	0.000

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun
2032	5	87,323.858	65,630.957	1,485.848	2,347.447	21,747.505	0.000	0.000	0.000	0.000	-4,550.209	0.000
2032	6	96,853.885	65,630.957	181.412	7,180.814	22,457.553	0.000	0.000	0.000	0.000	0.000	740.838
2032	7	103,834.487	65,630.957	0.367	14,573.195	22,269.187	0.000	0.000	0.000	0.000	0.000	0.000
2032	8	104,062.611	65,630.957	0.000	16,384.134	21,469.697	0.000	0.000	0.000	0.000	0.000	0.000
2032	9	105,895.980	65,630.957	4.071	13,243.037	22,181.350	0.000	0.000	0.000	0.000	0.000	0.000
2032	10	92,136.886	65,630.957	546.084	4,538.259	21,697.306	0.000	0.000	0.000	0.000	0.000	0.000
2032	11	85,996.742	65,630.957	4,093.233	626.872	21,603.122	0.000	0.000	0.000	0.000	0.000	0.000
2032	12	100,488.843	65,630.957	10,566.971	62.660	23,565.944	0.000	0.000	0.000	0.000	0.000	0.000
2033	1	113,024.856	65,630.957	15,521.837	9.423	23,865.340	4,985.331	0.000	0.000	0.000	0.000	0.000
2033	2	104,502.767	65,630.957	16,664.550	6.656	21,383.812	0.000	-4,285.378	0.000	0.000	0.000	0.000
2033	3	94,599.844	65,630.957	12,509.744	91.130	21,225.815	0.000	0.000	-5,520.112	0.000	0.000	0.000
2033	4	89,421.275	65,630.957	6,207.040	714.958	21,867.851	0.000	0.000	0.000	-5,661.842	0.000	0.000
2033	5	87,069.142	65,630.957	1,451.965	2,337.715	21,536.403	0.000	0.000	0.000	0.000	-4,550.209	0.000
2033	6	96,602.058	65,630.957	177.276	7,151.063	22,239.612	0.000	0.000	0.000	0.000	0.000	740.838
2033	7	103,558.208	65,630.957	0.359	14,512.904	22,053.207	0.000	0.000	0.000	0.000	0.000	0.000
2033	8	103,786.619	65,630.957	0.000	16,316.358	21,261.480	0.000	0.000	0.000	0.000	0.000	0.000
2033	9	105,626.165	65,630.957	3.978	13,188.322	21,966.343	0.000	0.000	0.000	0.000	0.000	0.000
2033	10	91,895.268	65,630.957	533.637	4,519.491	21,486.905	0.000	0.000	0.000	0.000	0.000	0.000
2033	11	85,691.404	65,630.957	3,999.938	624.281	21,393.669	0.000	0.000	0.000	0.000	0.000	0.000
2033	12	100,019.346	65,630.957	10,326.152	62.401	23,337.526	0.000	0.000	0.000	0.000	0.000	0.000
2034	1	112,454.247	65,630.957	15,167.463	9.388	23,649.140	4,985.331	0.000	0.000	0.000	0.000	0.000
2034	2	103,927.280	65,630.957	16,283.531	6.631	21,189.369	0.000	-4,285.378	0.000	0.000	0.000	0.000
2034	3	94,119.505	65,630.957	12,223.367	90.783	21,032.199	0.000	0.000	-5,520.112	0.000	0.000	0.000
2034	4	89,075.988	65,630.957	6,064.733	712.210	21,667.619	0.000	0.000	0.000	-5,661.842	0.000	0.000
2034	5	86,828.849	65,630.957	1,418.630	2,328.653	21,338.507	0.000	0.000	0.000	0.000	-4,550.209	0.000
2034	6	96,364.931	65,630.957	173.200	7,123.104	22,034.521	0.000	0.000	0.000	0.000	0.000	740.838
2034	7	103,297.015	65,630.957	0.351	14,455.736	21,849.191	0.000	0.000	0.000	0.000	0.000	0.000
2034	8	103,524.607	65,630.957	0.000	16,251.630	21,064.198	0.000	0.000	0.000	0.000	0.000	0.000
2034	9	105,368.755	65,630.957	3.886	13,135.560	21,761.787	0.000	0.000	0.000	0.000	0.000	0.000
2034	10	91,664.198	65,630.957	521.309	4,501.310	21,286.343	0.000	0.000	0.000	0.000	0.000	0.000
2034	11	85,395.890	65,630.957	3,907.395	621.748	21,193.232	0.000	0.000	0.000	0.000	0.000	0.000
2034	12	99,560.648	65,630.957	10,086.975	62.146	23,118.259	0.000	0.000	0.000	0.000	0.000	0.000
2035	1	111,903.763	65,630.957	14,824.175	9.353	23,441.980	4,985.331	0.000	0.000	0.000	0.000	0.000
2035	2	103,373.892	65,630.957	15,915.327	6.607	21,004.210	0.000	-4,285.378	0.000	0.000	0.000	0.000

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun
2035	3	93,659.332	65,630.957	11,947.097	90.447	20,848.632	0.000	0.000	-5,520.112	0.000	0.000	0.000
2035	4	88,747.666	65,630.957	5,927.764	709.589	21,478.887	0.000	0.000	0.000	-5,661.842	0.000	0.000
2035	5	86,602.735	65,630.957	1,386.611	2,320.118	21,152.948	0.000	0.000	0.000	0.000	-4,550.209	0.000
2035	6	96,143.686	65,630.957	169.293	7,097.089	21,843.198	0.000	0.000	0.000	0.000	0.000	740.838
2035	7	103,054.952	65,630.957	0.343	14,403.122	21,659.750	0.000	0.000	0.000	0.000	0.000	0.000
2035	8	103,283.413	65,630.957	0.000	16,192.737	20,881.895	0.000	0.000	0.000	0.000	0.000	0.000
2035	9	105,133.317	65,630.957	3.799	13,088.183	21,573.814	0.000	0.000	0.000	0.000	0.000	0.000
2035	10	91,452.592	65,630.957	509.577	4,485.115	21,102.664	0.000	0.000	0.000	0.000	0.000	0.000
2035	11	85,123.395	65,630.957	3,819.545	619.524	21,010.811	0.000	0.000	0.000	0.000	0.000	0.000
2035	12	99,134.917	65,630.957	9,860.269	61.924	22,919.456	0.000	0.000	0.000	0.000	0.000	0.000
2036	1	111,380.717	65,630.957	14,491.931	9.323	23,251.207	4,985.331	0.000	0.000	0.000	0.000	0.000
2036	2	102,846.552	65,630.957	15,558.763	6.585	20,833.456	0.000	-4,285.378	0.000	0.000	0.000	0.000
2036	3	93,222.251	65,630.957	11,679.566	90.156	20,679.373	0.000	0.000	-5,520.112	0.000	0.000	0.000
2036	4	88,438.733	65,630.957	5,795.122	707.318	21,304.868	0.000	0.000	0.000	-5,661.842	0.000	0.000
2036	5	86,393.167	65,630.957	1,355.598	2,312.715	20,981.794	0.000	0.000	0.000	0.000	-4,550.209	0.000
2036	6	95,940.946	65,630.957	165.509	7,074.551	21,666.780	0.000	0.000	0.000	0.000	0.000	740.838
2036	7	102,834.810	65,630.957	0.335	14,357.599	21,485.138	0.000	0.000	0.000	0.000	0.000	0.000
2036	8	103,064.191	65,630.957	0.000	16,141.689	20,713.722	0.000	0.000	0.000	0.000	0.000	0.000
2036	9	104,918.666	65,630.957	3.714	13,047.088	21,400.342	0.000	0.000	0.000	0.000	0.000	0.000
2036	10	91,257.846	65,630.957	498.213	4,471.100	20,933.297	0.000	0.000	0.000	0.000	0.000	0.000
2036	11	84,867.810	65,630.957	3,734.387	617.592	20,842.316	0.000	0.000	0.000	0.000	0.000	0.000
2036	12	98,731.685	65,630.957	9,640.610	61.732	22,736.076	0.000	0.000	0.000	0.000	0.000	0.000
2037	1	110,886.658	65,630.957	14,173.920	9.297	23,075.186	4,985.331	0.000	0.000	0.000	0.000	0.000
2037	2	102,347.101	65,630.957	15,217.217	6.567	20,675.569	0.000	-4,285.378	0.000	0.000	0.000	0.000
2037	3	92,808.778	65,630.957	11,423.136	89.907	20,522.581	0.000	0.000	-5,520.112	0.000	0.000	0.000
2037	4	88,147.785	65,630.957	5,667.841	705.354	21,143.164	0.000	0.000	0.000	-5,661.842	0.000	0.000
2037	5	86,197.696	65,630.957	1,325.823	2,306.292	20,822.522	0.000	0.000	0.000	0.000	-4,550.209	0.000
2037	6	95,752.969	65,630.957	161.873	7,054.847	21,502.144	0.000	0.000	0.000	0.000	0.000	740.838
2037	7	102,631.295	65,630.957	0.328	14,317.505	21,321.725	0.000	0.000	0.000	0.000	0.000	0.000
2037	8	102,861.511	65,630.957	0.000	16,096.587	20,556.144	0.000	0.000	0.000	0.000	0.000	0.000
2037	9	104,719.118	65,630.957	3.632	13,010.553	21,237.411	0.000	0.000	0.000	0.000	0.000	0.000
2037	10	91,074.843	65,630.957	487.256	4,458.553	20,773.798	0.000	0.000	0.000	0.000	0.000	0.000
2037	11	84,625.106	65,630.957	3,652.254	615.858	20,683.479	0.000	0.000	0.000	0.000	0.000	0.000
2037	12	98,345.878	65,630.957	9,428.479	61.558	22,562.573	0.000	0.000	0.000	0.000	0.000	0.000

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun
2040	11	83,924.602	65,630.957	3,416.316	611.423	20,223.347	0.000	0.000	0.000	0.000	0.000	0.000
2040	12	97,236.009	65,630.957	8,819.849	61.118	22,061.774	0.000	0.000	0.000	0.000	0.000	0.000
2041	1	108,991.987	65,630.957	12,974.677	9.207	22,379.847	4,985.331	0.000	0.000	0.000	0.000	0.000
2041	2	100,436.992	65,630.957	13,929.906	6.503	20,052.834	0.000	-4,285.378	0.000	0.000	0.000	0.000
2041	3	91,223.812	65,630.957	10,456.918	89.036	19,904.702	0.000	0.000	-5,520.112	0.000	0.000	0.000
2041	4	87,025.191	65,630.957	5,188.472	698.531	20,506.762	0.000	0.000	0.000	-5,661.842	0.000	0.000
2041	5	85,436.737	65,630.957	1,213.701	2,284.006	20,195.971	0.000	0.000	0.000	0.000	-4,550.209	0.000
2041	6	95,024.499	65,630.957	148.186	6,986.774	20,855.434	0.000	0.000	0.000	0.000	0.000	740.838
2041	7	101,852.005	65,630.957	0.300	14,179.424	20,680.544	0.000	0.000	0.000	0.000	0.000	0.000
2041	8	102,088.448	65,630.957	0.000	15,941.497	19,938.171	0.000	0.000	0.000	0.000	0.000	0.000
2041	9	103,955.307	65,630.957	3.325	12,885.315	20,599.146	0.000	0.000	0.000	0.000	0.000	0.000
2041	10	90,366.512	65,630.957	446.068	4,415.655	20,149.553	0.000	0.000	0.000	0.000	0.000	0.000
2041	11	83,689.061	65,630.957	3,343.548	609.936	20,062.061	0.000	0.000	0.000	0.000	0.000	0.000
2041	12	96,870.793	65,630.957	8,631.630	60.967	21,884.928	0.000	0.000	0.000	0.000	0.000	0.000
2042	1	108,556.029	65,630.957	12,702.412	9.186	22,216.175	4,985.331	0.000	0.000	0.000	0.000	0.000
2042	2	99,997.244	65,630.957	13,637.283	6.489	19,905.724	0.000	-4,285.378	0.000	0.000	0.000	0.000
2042	3	90,857.114	65,630.957	10,236.977	88.833	19,758.148	0.000	0.000	-5,520.112	0.000	0.000	0.000
2042	4	86,762.862	65,630.957	5,079.222	696.923	20,355.291	0.000	0.000	0.000	-5,661.842	0.000	0.000
2042	5	85,256.110	65,630.957	1,188.112	2,278.687	20,046.251	0.000	0.000	0.000	0.000	-4,550.209	0.000
2042	6	94,849.782	65,630.957	145.058	6,970.325	20,700.293	0.000	0.000	0.000	0.000	0.000	740.838
2042	7	101,664.126	65,630.957	0.294	14,145.776	20,526.319	0.000	0.000	0.000	0.000	0.000	0.000
2042	8	101,900.976	65,630.957	0.000	15,903.242	19,788.953	0.000	0.000	0.000	0.000	0.000	0.000
2042	9	103,769.261	65,630.957	3.255	12,854.051	20,444.434	0.000	0.000	0.000	0.000	0.000	0.000
2042	10	90,194.466	65,630.957	436.612	4,404.843	19,997.776	0.000	0.000	0.000	0.000	0.000	0.000
2042	11	83,464.997	65,630.957	3,272.585	608.428	19,910.468	0.000	0.000	0.000	0.000	0.000	0.000
2042	12	96,521.387	65,630.957	8,448.240	60.815	21,719.064	0.000	0.000	0.000	0.000	0.000	0.000
2043	1	108,136.790	65,630.957	12,431.844	9.165	22,067.525	4,985.331	0.000	0.000	0.000	0.000	0.000
2043	2	99,572.089	65,630.957	13,346.210	6.474	19,771.657	0.000	-4,285.378	0.000	0.000	0.000	0.000
2043	3	90,504.068	65,630.957	10,018.052	88.623	19,624.237	0.000	0.000	-5,520.112	0.000	0.000	0.000
2043	4	86,513.574	65,630.957	4,970.396	695.245	20,216.508	0.000	0.000	0.000	-5,661.842	0.000	0.000
2043	5	85,087.407	65,630.957	1,162.602	2,273.093	19,908.652	0.000	0.000	0.000	0.000	-4,550.209	0.000
2043	6	94,686.301	65,630.957	141.937	6,952.919	20,557.339	0.000	0.000	0.000	0.000	0.000	740.838
2043	7	101,485.615	65,630.957	0.287	14,109.868	20,383.722	0.000	0.000	0.000	0.000	0.000	0.000
2043	8	101,721.666	65,630.957	0.000	15,862.218	19,650.668	0.000	0.000	0.000	0.000	0.000	0.000

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun
2046	7	101,032.481	65,630.957	0.270	14,012.265	20,028.208	0.000	0.000	0.000	0.000	0.000	0.000
2046	8	101,268.660	65,630.957	0.000	15,752.246	19,307.635	0.000	0.000	0.000	0.000	0.000	0.000
2046	9	103,147.932	65,630.957	2.986	12,731.322	19,946.102	0.000	0.000	0.000	0.000	0.000	0.000
2046	10	89,627.654	65,630.957	400.580	4,362.553	19,509.286	0.000	0.000	0.000	0.000	0.000	0.000
2046	11	82,701.334	65,630.957	3,002.332	602.550	19,422.937	0.000	0.000	0.000	0.000	0.000	0.000
2046	12	95,289.733	65,630.957	7,750.152	60.224	21,186.089	0.000	0.000	0.000	0.000	0.000	0.000
2047	1	106,637.930	65,630.957	11,417.614	9.083	21,582.977	4,985.331	0.000	0.000	0.000	0.000	0.000
2047	2	98,047.906	65,630.957	12,256.933	6.415	19,336.809	0.000	-4,285.378	0.000	0.000	0.000	0.000
2047	3	89,252.963	65,630.957	9,200.067	87.821	19,191.919	0.000	0.000	-5,520.112	0.000	0.000	0.000
2047	4	85,655.225	65,630.957	4,564.403	688.927	19,770.470	0.000	0.000	0.000	-5,661.842	0.000	0.000
2047	5	84,531.691	65,630.957	1,067.599	2,252.353	19,468.680	0.000	0.000	0.000	0.000	-4,550.209	0.000
2047	6	94,156.052	65,630.957	130.334	6,889.250	20,102.362	0.000	0.000	0.000	0.000	0.000	740.838
2047	7	100,903.975	65,630.957	0.264	13,980.135	19,931.838	0.000	0.000	0.000	0.000	0.000	0.000
2047	8	101,139.247	65,630.957	0.000	15,715.950	19,214.517	0.000	0.000	0.000	0.000	0.000	0.000
2047	9	103,021.591	65,630.957	2.924	12,701.696	19,849.450	0.000	0.000	0.000	0.000	0.000	0.000
2047	10	89,514.130	65,630.957	392.179	4,352.321	19,414.394	0.000	0.000	0.000	0.000	0.000	0.000
2047	11	82,542.214	65,630.957	2,939.333	601.130	19,328.236	0.000	0.000	0.000	0.000	0.000	0.000
2047	12	95,023.124	65,630.957	7,587.385	60.081	21,082.391	0.000	0.000	0.000	0.000	0.000	0.000
2048	1	106,307.372	65,630.957	11,180.514	9.062	21,489.540	4,985.331	0.000	0.000	0.000	0.000	0.000
2048	2	97,709.294	65,630.957	12,002.267	6.400	19,252.878	0.000	-4,285.378	0.000	0.000	0.000	0.000
2048	3	88,978.110	65,630.957	9,008.853	87.616	19,108.485	0.000	0.000	-5,520.112	0.000	0.000	0.000
2048	4	85,472.336	65,630.957	4,469.452	687.307	19,684.151	0.000	0.000	0.000	-5,661.842	0.000	0.000
2048	5	84,419.048	65,630.957	1,045.384	2,247.043	19,383.562	0.000	0.000	0.000	0.000	-4,550.209	0.000
2048	6	94,048.683	65,630.957	127.620	6,872.875	20,014.082	0.000	0.000	0.000	0.000	0.000	740.838
2048	7	100,782.971	65,630.957	0.258	13,946.808	19,844.167	0.000	0.000	0.000	0.000	0.000	0.000
2048	8	101,016.794	65,630.957	0.000	15,678.272	19,129.741	0.000	0.000	0.000	0.000	0.000	0.000
2048	9	102,903.372	65,630.957	2.863	12,671.194	19,761.794	0.000	0.000	0.000	0.000	0.000	0.000
2048	10	89,409.511	65,630.957	383.997	4,341.823	19,328.454	0.000	0.000	0.000	0.000	0.000	0.000
2048	11	82,393.566	65,630.957	2,877.972	599.672	19,242.407	0.000	0.000	0.000	0.000	0.000	0.000
2048	12	94,770.724	65,630.957	7,428.929	59.935	20,988.593	0.000	0.000	0.000	0.000	0.000	0.000
2049	1	105,999.132	65,630.957	10,952.937	9.041	21,408.898	4,985.331	0.000	0.000	0.000	0.000	0.000
2049	2	97,392.333	65,630.957	11,757.814	6.385	19,180.385	0.000	-4,285.378	0.000	0.000	0.000	0.000
2049	3	88,722.242	65,630.957	8,825.295	87.411	19,036.380	0.000	0.000	-5,520.112	0.000	0.000	0.000
2049	4	85,304.892	65,630.957	4,378.298	685.686	19,609.482	0.000	0.000	0.000	-5,661.842	0.000	0.000

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun
2049	5	84,318.737	65,630.957	1,024.056	2,241.728	19,309.894	0.000	0.000	0.000	0.000	-4,550.209	0.000
2049	6	93,953.199	65,630.957	125.013	6,856.477	19,937.603	0.000	0.000	0.000	0.000	0.000	740.838
2049	7	100,673.578	65,630.957	0.253	13,913.415	19,768.172	0.000	0.000	0.000	0.000	0.000	0.000
2049	8	100,905.472	65,630.957	0.000	15,640.497	19,056.195	0.000	0.000	0.000	0.000	0.000	0.000
2049	9	102,796.622	65,630.957	2.804	12,640.591	19,685.705	0.000	0.000	0.000	0.000	0.000	0.000
2049	10	89,316.449	65,630.957	376.140	4,331.283	19,253.791	0.000	0.000	0.000	0.000	0.000	0.000
2049	11	82,258.520	65,630.957	2,819.034	598.206	19,167.765	0.000	0.000	0.000	0.000	0.000	0.000
2049	12	94,536.715	65,630.957	7,276.711	59.788	20,906.948	0.000	0.000	0.000	0.000	0.000	0.000
2050	1	105,710.007	65,630.957	10,733.506	9.021	21,339.224	4,985.331	0.000	0.000	0.000	0.000	0.000
2050	2	97,094.411	65,630.957	11,522.284	6.371	19,118.007	0.000	-4,285.378	0.000	0.000	0.000	0.000
2050	3	88,483.547	65,630.957	8,648.569	87.220	18,974.603	0.000	0.000	-5,520.112	0.000	0.000	0.000
2050	4	85,151.969	65,630.957	4,290.603	684.186	19,545.755	0.000	0.000	0.000	-5,661.842	0.000	0.000
2050	5	84,230.750	65,630.957	1,003.553	2,236.841	19,247.297	0.000	0.000	0.000	0.000	-4,550.209	0.000
2050	6	93,870.964	65,630.957	122.510	6,841.490	19,872.858	0.000	0.000	0.000	0.000	0.000	740.838
2050	7	100,579.165	65,630.957	0.248	13,883.085	19,704.095	0.000	0.000	0.000	0.000	0.000	0.000
2050	8	100,809.576	65,630.957	0.000	15,606.388	18,994.408	0.000	0.000	0.000	0.000	0.000	0.000
2050	9	102,705.444	65,630.957	2.748	12,613.131	19,622.043	0.000	0.000	0.000	0.000	0.000	0.000
2050	10	89,237.285	65,630.957	368.612	4,321.881	19,191.557	0.000	0.000	0.000	0.000	0.000	0.000
2050	11	82,138.812	65,630.957	2,762.614	596.906	19,105.776	0.000	0.000	0.000	0.000	0.000	0.000
2050	12	94,323.418	65,630.957	7,131.097	59.658	20,839.396	0.000	0.000	0.000	0.000	0.000	0.000
2051	1	105,428.643	65,630.957	10,518.760	9.002	21,272.626	4,985.331	0.000	0.000	0.000	0.000	0.000
2051	2	96,804.545	65,630.957	11,291.884	6.358	19,058.555	0.000	-4,285.378	0.000	0.000	0.000	0.000
2051	3	88,251.856	65,630.957	8,475.767	87.034	18,915.899	0.000	0.000	-5,520.112	0.000	0.000	0.000
2051	4	85,004.421	65,630.957	4,204.895	682.726	19,485.374	0.000	0.000	0.000	-5,661.842	0.000	0.000
2051	5	84,146.859	65,630.957	983.523	2,232.107	19,188.170	0.000	0.000	0.000	0.000	-4,550.209	0.000
2051	6	93,793.077	65,630.957	120.065	6,827.032	19,811.874	0.000	0.000	0.000	0.000	0.000	740.838
2051	7	100,489.834	65,630.957	0.243	13,853.945	19,643.908	0.000	0.000	0.000	0.000	0.000	0.000
2051	8	100,719.051	65,630.957	0.000	15,573.744	18,936.526	0.000	0.000	0.000	0.000	0.000	0.000
2051	9	102,619.742	65,630.957	2.694	12,586.956	19,562.571	0.000	0.000	0.000	0.000	0.000	0.000
2051	10	89,163.033	65,630.957	361.273	4,312.953	19,133.571	0.000	0.000	0.000	0.000	0.000	0.000
2051	11	82,024.993	65,630.957	2,707.630	595.677	19,048.171	0.000	0.000	0.000	0.000	0.000	0.000
2051	12	94,118.823	65,630.957	6,989.239	59.536	20,776.780	0.000	0.000	0.000	0.000	0.000	0.000
2052	1	105,157.721	65,630.957	10,309.519	8.983	21,210.963	4,985.331	0.000	0.000	0.000	0.000	0.000
2052	2	96,524.898	65,630.957	11,067.349	6.345	19,003.456	0.000	-4,285.378	0.000	0.000	0.000	0.000

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Pred	CONST	XHeat	XCool	XOther	Jan	Feb	Mar	Apr	May	Jun
2052	3	88,028.790	65,630.957	8,307.332	86.857	18,861.446	0.000	0.000	-5,520.112	0.000	0.000	0.000
2052	4	84,863.404	65,630.957	4,121.337	681.342	19,429.300	0.000	0.000	0.000	-5,661.842	0.000	0.000
2052	5	84,067.874	65,630.957	963.992	2,227.612	19,133.211	0.000	0.000	0.000	0.000	-4,550.209	0.000
2052	6	93,720.187	65,630.957	117.681	6,813.280	19,755.120	0.000	0.000	0.000	0.000	0.000	740.838
2052	7	100,406.013	65,630.957	0.238	13,826.189	19,587.849	0.000	0.000	0.000	0.000	0.000	0.000
2052	8	100,633.940	65,630.957	0.000	15,542.602	18,882.558	0.000	0.000	0.000	0.000	0.000	0.000
2052	9	102,539.186	65,630.957	2.640	12,561.950	19,507.074	0.000	0.000	0.000	0.000	0.000	0.000
2052	10	89,093.165	65,630.957	354.111	4,304.410	19,079.408	0.000	0.000	0.000	0.000	0.000	0.000
2052	11	81,916.275	65,630.957	2,653.957	594.499	18,994.303	0.000	0.000	0.000	0.000	0.000	0.000
2052	12	93,921.602	65,630.957	6,850.743	59.418	20,718.173	0.000	0.000	0.000	0.000	0.000	0.000
2053	1	104,895.619	65,630.957	10,105.170	8.965	21,153.229	4,985.331	0.000	0.000	0.000	0.000	0.000
2053	2	96,253.822	65,630.957	10,847.990	6.332	18,951.751	0.000	-4,285.378	0.000	0.000	0.000	0.000
2053	3	87,812.800	65,630.957	8,142.725	86.686	18,810.234	0.000	0.000	-5,520.112	0.000	0.000	0.000
2053	4	84,727.505	65,630.957	4,039.650	679.996	19,376.434	0.000	0.000	0.000	-5,661.842	0.000	0.000
2053	5	83,992.458	65,630.957	944.891	2,223.226	19,081.281	0.000	0.000	0.000	0.000	-4,550.209	0.000
2053	6	93,650.638	65,630.957	115.348	6,799.820	19,701.364	0.000	0.000	0.000	0.000	0.000	740.838
2053	7	100,325.545	65,630.957	0.234	13,798.937	19,534.637	0.000	0.000	0.000	0.000	0.000	0.000
2053	8	100,551.927	65,630.957	0.000	15,511.929	18,831.218	0.000	0.000	0.000	0.000	0.000	0.000
2053	9	102,461.523	65,630.957	2.588	12,537.246	19,454.168	0.000	0.000	0.000	0.000	0.000	0.000
2053	10	89,025.935	65,630.957	347.095	4,295.945	19,027.659	0.000	0.000	0.000	0.000	0.000	0.000
2053	11	81,810.931	65,630.957	2,601.368	593.328	18,942.719	0.000	0.000	0.000	0.000	0.000	0.000
2053	12	93,729.501	65,630.957	6,715.001	59.301	20,661.931	0.000	0.000	0.000	0.000	0.000	0.000
2054	1	104,639.973	65,630.957	9,904.886	8.948	21,097.884	4,985.331	0.000	0.000	0.000	0.000	0.000
2054	2	95,989.251	65,630.957	10,632.995	6.320	18,902.188	0.000	-4,285.378	0.000	0.000	0.000	0.000
2054	3	87,602.208	65,630.957	7,981.390	86.515	18,761.147	0.000	0.000	-5,520.112	0.000	0.000	0.000
2054	4	84,595.424	65,630.957	3,959.588	678.653	19,325.757	0.000	0.000	0.000	-5,661.842	0.000	0.000
2054	5	83,919.590	65,630.957	926.171	2,218.853	19,031.507	0.000	0.000	0.000	0.000	-4,550.209	0.000
2054	6	93,583.397	65,630.957	113.062	6,786.396	19,649.834	0.000	0.000	0.000	0.000	0.000	740.838
2054	7	100,247.357	65,630.957	0.229	13,771.758	19,483.633	0.000	0.000	0.000	0.000	0.000	0.000
2054	8	100,472.124	65,630.957	0.000	15,481.340	18,782.004	0.000	0.000	0.000	0.000	0.000	0.000
2054	9	102,386.125	65,630.957	2.537	12,512.608	19,403.459	0.000	0.000	0.000	0.000	0.000	0.000
2054	10	88,961.015	65,630.957	340.219	4,287.502	18,978.058	0.000	0.000	0.000	0.000	0.000	0.000
2054	11	81,708.775	65,630.957	2,549.825	592.160	18,893.275	0.000	0.000	0.000	0.000	0.000	0.000
2054	12	93,542.434	65,630.957	6,581.958	59.185	20,608.023	0.000	0.000	0.000	0.000	0.000	0.000

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on	dJan12on	dFeb12on	nov15on	nov16on
2004	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2004	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2004	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2004	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2004	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2004	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2004	7	698.470	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2004	8	0.000	-84.488	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2004	9	0.000	0.000	4,174.254	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2004	10	0.000	0.000	0.000	-938.032	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2004	11	0.000	0.000	0.000	0.000	-6,619.753	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2004	12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2005	1	0.000	0.000	0.000	0.000	0.000	0.000	4,174.109	0.000	0.000	0.000	0.000	0.000
2005	2	0.000	0.000	0.000	0.000	0.000	0.000	4,174.109	0.000	0.000	0.000	0.000	0.000
2005	3	0.000	0.000	0.000	0.000	0.000	0.000	4,174.109	0.000	0.000	0.000	0.000	0.000
2005	4	0.000	0.000	0.000	0.000	0.000	0.000	4,174.109	0.000	0.000	0.000	0.000	0.000
2005	5	0.000	0.000	0.000	0.000	0.000	0.000	4,174.109	0.000	0.000	0.000	0.000	0.000
2005	6	0.000	0.000	0.000	0.000	0.000	0.000	4,174.109	0.000	0.000	0.000	0.000	0.000
2005	7	698.470	0.000	0.000	0.000	0.000	0.000	4,174.109	0.000	0.000	0.000	0.000	0.000
2005	8	0.000	-84.488	0.000	0.000	0.000	0.000	4,174.109	0.000	0.000	0.000	0.000	0.000
2005	9	0.000	0.000	4,174.254	0.000	0.000	0.000	4,174.109	0.000	0.000	0.000	0.000	0.000
2005	10	0.000	0.000	0.000	-938.032	0.000	0.000	4,174.109	0.000	0.000	0.000	0.000	0.000
2005	11	0.000	0.000	0.000	0.000	-6,619.753	0.000	4,174.109	0.000	0.000	0.000	0.000	0.000
2005	12	0.000	0.000	0.000	0.000	0.000	0.000	4,174.109	0.000	0.000	0.000	0.000	0.000
2006	1	0.000	0.000	0.000	0.000	0.000	0.000	4,174.109	0.000	0.000	0.000	0.000	0.000
2006	2	0.000	0.000	0.000	0.000	0.000	0.000	4,174.109	0.000	0.000	0.000	0.000	0.000
2006	3	0.000	0.000	0.000	0.000	0.000	0.000	4,174.109	0.000	0.000	0.000	0.000	0.000
2006	4	0.000	0.000	0.000	0.000	0.000	0.000	4,174.109	0.000	0.000	0.000	0.000	0.000
2006	5	0.000	0.000	0.000	0.000	0.000	0.000	4,174.109	0.000	0.000	0.000	0.000	0.000
2006	6	0.000	0.000	0.000	0.000	0.000	0.000	4,174.109	0.000	0.000	0.000	0.000	0.000
2006	7	698.470	0.000	0.000	0.000	0.000	0.000	4,174.109	0.000	0.000	0.000	0.000	0.000
2006	8	0.000	-84.488	0.000	0.000	0.000	0.000	4,174.109	0.000	0.000	0.000	0.000	0.000
2006	9	0.000	0.000	4,174.254	0.000	0.000	0.000	4,174.109	0.000	0.000	0.000	0.000	0.000
2006	10	0.000	0.000	0.000	-938.032	0.000	0.000	4,174.109	0.000	0.000	0.000	0.000	0.000

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on	dJan12on	dFeb12on	nov15on	nov16on
2006	11	0.000	0.000	0.000	0.000	-6,619.753	0.000	4,174.109	0.000	0.000	0.000	0.000	0.000
2006	12	0.000	0.000	0.000	0.000	0.000	0.000	4,174.109	0.000	0.000	0.000	0.000	0.000
2007	1	0.000	0.000	0.000	0.000	0.000	0.000	4,174.109	0.000	0.000	0.000	0.000	0.000
2007	2	0.000	0.000	0.000	0.000	0.000	0.000	4,174.109	0.000	0.000	0.000	0.000	0.000
2007	3	0.000	0.000	0.000	0.000	0.000	0.000	4,174.109	0.000	0.000	0.000	0.000	0.000
2007	4	0.000	0.000	0.000	0.000	0.000	0.000	4,174.109	0.000	0.000	0.000	0.000	0.000
2007	5	0.000	0.000	0.000	0.000	0.000	0.000	4,174.109	0.000	0.000	0.000	0.000	0.000
2007	6	0.000	0.000	0.000	0.000	0.000	0.000	4,174.109	0.000	0.000	0.000	0.000	0.000
2007	7	698.470	0.000	0.000	0.000	0.000	0.000	4,174.109	0.000	0.000	0.000	0.000	0.000
2007	8	0.000	-84.488	0.000	0.000	0.000	0.000	4,174.109	0.000	0.000	0.000	0.000	0.000
2007	9	0.000	0.000	4,174.254	0.000	0.000	0.000	5,460.703	0.000	0.000	0.000	0.000	0.000
2007	10	0.000	0.000	0.000	-938.032	0.000	0.000	5,460.703	0.000	0.000	0.000	0.000	0.000
2007	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2007	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2008	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2008	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2008	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2008	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2008	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2008	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2008	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2008	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2008	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2008	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2008	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2008	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2009	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2009	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2009	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2009	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2009	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2009	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2009	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2009	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on	dJan12on	dFeb12on	nov15on	nov16on
2009	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2009	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2009	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2009	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2010	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2010	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2010	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2010	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2010	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2010	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2010	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2010	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2010	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2010	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2010	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2010	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2011	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2011	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2011	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2011	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2011	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2011	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2011	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2011	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2011	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2011	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2011	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2011	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	0.000	0.000	0.000	0.000	0.000
2012	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	0.000	0.000
2012	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	0.000	0.000
2012	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2012	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2012	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2012	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on	dJan12on	dFeb12on	nov15on	nov16on
2012	7	698,470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2012	8	0.000	-84,488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2012	9	0.000	0.000	4,174,254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2012	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2012	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2012	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2013	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	0.000	0.000
2013	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	0.000	0.000
2013	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2013	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2013	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2013	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2013	7	698,470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2013	8	0.000	-84,488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2013	9	0.000	0.000	4,174,254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2013	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2013	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2013	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2014	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	0.000	0.000
2014	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	0.000	0.000
2014	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2014	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2014	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2014	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2014	7	698,470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2014	8	0.000	-84,488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2014	9	0.000	0.000	4,174,254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2014	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2014	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2014	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2015	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	0.000	0.000
2015	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	0.000	0.000
2015	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2015	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on	dJan12on	dFeb12on	nov15on	nov16on
2015	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2015	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2015	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2015	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2015	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2015	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	0.000	0.000
2015	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	0.000
2015	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	0.000
2016	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	0.000
2016	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	0.000
2016	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	0.000
2016	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	0.000
2016	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	0.000
2016	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	0.000
2016	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	0.000
2016	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	0.000
2016	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	0.000
2016	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	0.000
2016	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2016	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2017	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2017	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2017	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2017	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2017	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2017	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2017	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2017	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2017	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2017	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2017	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2017	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2018	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2018	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on	dJan12on	dFeb12on	nov15on	nov16on
2018	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2018	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2018	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2018	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2018	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2018	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2018	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2018	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2018	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2018	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2019	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2019	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2019	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2019	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2019	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2019	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2019	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2019	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2019	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2019	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2019	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2019	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2020	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2020	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2020	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2020	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2020	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2020	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2020	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2020	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2020	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2020	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2020	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2020	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on	dJan12on	dFeb12on	nov15on	nov16on
2021	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2021	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2021	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2021	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2021	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2021	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2021	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2021	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2021	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2021	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2021	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2021	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2022	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2022	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2022	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2022	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2022	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2022	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2022	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2022	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2022	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2022	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2022	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2022	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2023	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2023	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2023	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2023	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2023	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2023	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2023	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2023	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2023	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2023	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on	dJan12on	dFeb12on	nov15on	nov16on
2023	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2023	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2024	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2024	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2024	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2024	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2024	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2024	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2024	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2024	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2024	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2024	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2024	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2024	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2025	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2025	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2025	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2025	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2025	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2025	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2025	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2025	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2025	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2025	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2025	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2025	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2026	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2026	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2026	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2026	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2026	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2026	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2026	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2026	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on	dJan12on	dFeb12on	nov15on	nov16on
2026	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2026	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2026	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2026	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2027	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2027	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2027	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2027	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2027	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2027	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2027	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2027	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2027	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2027	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2027	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2027	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2028	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2028	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2028	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2028	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2028	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2028	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2028	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2028	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2028	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2028	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2028	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2028	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2029	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2029	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2029	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2029	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2029	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2029	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on	dJan12on	dFeb12on	nov15on	nov16on
2029	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2029	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2029	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2029	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2029	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2029	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2030	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2030	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2030	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2030	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2030	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2030	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2030	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2030	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2030	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2030	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2030	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2030	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2031	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2031	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2031	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2031	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2031	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2031	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2031	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2031	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2031	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2031	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2031	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2031	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2032	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2032	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2032	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2032	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on	dJan12on	dFeb12on	nov15on	nov16on
2032	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2032	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2032	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2032	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2032	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2032	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2032	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2032	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2033	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2033	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2033	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2033	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2033	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2033	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2033	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2033	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2033	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2033	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2033	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2033	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2034	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2034	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2034	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2034	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2034	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2034	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2034	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2034	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2034	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2034	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2034	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2034	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2035	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2035	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on	dJan12on	dFeb12on	nov15on	nov16on
2035	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2035	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2035	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2035	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2035	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2035	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2035	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2035	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2035	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2035	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2036	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2036	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2036	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2036	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2036	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2036	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2036	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2036	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2036	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2036	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2036	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2036	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2037	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2037	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2037	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2037	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2037	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2037	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2037	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2037	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2037	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2037	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2037	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2037	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on	dJan12on	dFeb12on	nov15on	nov16on
2038	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2038	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2038	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2038	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2038	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2038	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2038	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2038	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2038	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2038	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2038	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2038	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2039	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2039	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2039	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2039	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2039	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2039	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2039	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2039	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2039	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2039	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2039	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2039	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2040	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2040	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2040	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2040	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2040	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2040	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2040	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2040	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2040	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2040	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on	dJan12on	dFeb12on	nov15on	nov16on
2040	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2040	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2041	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2041	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2041	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2041	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2041	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2041	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2041	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2041	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2041	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2041	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2041	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2041	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2042	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2042	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2042	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2042	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2042	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2042	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2042	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2042	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2042	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2042	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2042	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2042	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2043	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2043	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2043	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2043	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2043	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2043	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2043	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2043	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on	dJan12on	dFeb12on	nov15on	nov16on
2043	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2043	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2043	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2043	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2044	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2044	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2044	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2044	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2044	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2044	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2044	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2044	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2044	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2044	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2044	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2044	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2045	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2045	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2045	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2045	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2045	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2045	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2045	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2045	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2045	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2045	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2045	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2045	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2046	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2046	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2046	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2046	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2046	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2046	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on	dJan12on	dFeb12on	nov15on	nov16on
2046	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2046	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2046	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2046	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2046	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2046	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2047	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2047	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2047	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2047	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2047	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2047	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2047	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2047	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2047	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2047	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2047	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2047	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2048	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2048	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2048	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2048	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2048	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2048	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2048	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2048	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2048	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2048	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2048	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2048	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2049	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2049	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2049	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2049	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on	dJan12on	dFeb12on	nov15on	nov16on
2049	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2049	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2049	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2049	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2049	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2049	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2049	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2049	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2050	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2050	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2050	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2050	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2050	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2050	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2050	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2050	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2050	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2050	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2050	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2050	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2051	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2051	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2051	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2051	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2051	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2051	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2051	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2051	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2051	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2051	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2051	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2051	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2052	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2052	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Jul	Aug	Sep	Oct	Nov	Sep07on	D05on	D12on	dJan12on	dFeb12on	nov15on	nov16on
2052	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2052	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2052	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2052	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2052	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2052	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2052	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2052	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2052	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2052	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2053	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2053	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2053	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2053	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2053	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2053	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2053	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2053	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2053	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2053	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2053	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2053	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2054	1	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	2,349.656	0.000	-2,869.210	-1,751.694
2054	2	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	4,439.858	-2,869.210	-1,751.694
2054	3	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2054	4	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2054	5	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2054	6	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2054	7	698.470	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2054	8	0.000	-84.488	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2054	9	0.000	0.000	4,174.254	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2054	10	0.000	0.000	0.000	-938.032	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2054	11	0.000	0.000	0.000	0.000	-6,619.753	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694
2054	12	0.000	0.000	0.000	0.000	0.000	5,460.703	4,174.109	-2,817.885	0.000	0.000	-2,869.210	-1,751.694

Kentucky Power Company
 Commercial Model Output Data

Year	Month	may18on	X-Missing	Heating	Cooling	Other	Total	Actual	Heating	Cooling
2004	1	0.000	0.000	28,176.3	51.7	107,384.4	135,612.4	131,261.2	28,176.3	51.7
2004	2	0.000	0.000	36,287.7	17.2	94,134.3	130,439.2	125,201.7	36,287.7	17.2
2004	3	0.000	0.000	21,071.1	155.0	92,574.3	113,800.5	109,248.1	21,071.1	155.0
2004	4	0.000	0.000	11,646.6	859.2	93,922.5	106,428.3	106,039.0	11,646.6	859.2
2004	5	0.000	0.000	2,878.9	4,769.4	93,968.4	101,616.7	102,893.6	2,878.9	4,769.4
2004	6	0.000	0.000	199.4	13,079.1	100,992.2	114,270.7	117,520.1	199.4	13,079.1
2004	7	0.000	0.000	0.0	16,706.2	100,211.7	116,917.9	118,976.1	0.0	16,706.2
2004	8	0.000	0.000	0.0	16,485.9	98,063.3	114,549.3	114,443.8	0.0	16,485.9
2004	9	0.000	0.000	0.0	14,446.8	103,022.6	117,469.3	117,319.1	0.0	14,446.8
2004	10	0.000	0.000	487.1	4,293.7	97,931.5	102,712.4	105,855.6	487.1	4,293.7
2004	11	0.000	0.000	3,138.9	856.8	91,348.4	95,344.1	98,814.8	3,138.9	856.8
2004	12	0.000	0.000	14,475.2	124.5	101,628.1	116,227.8	117,815.6	14,475.2	124.5
2005	1	0.000	0.000	24,336.9	0.0	110,882.5	135,219.4	129,923.7	24,336.9	0.0
2005	2	0.000	0.000	29,220.0	0.0	98,253.4	127,473.4	124,572.2	29,220.0	0.0
2005	3	0.000	0.000	24,934.6	0.0	96,803.8	121,738.4	117,738.9	24,934.6	0.0
2005	4	0.000	0.000	11,585.7	381.4	97,731.5	109,698.7	108,703.5	11,585.7	381.4
2005	5	0.000	0.000	3,344.9	1,403.2	97,411.3	102,159.4	100,091.5	3,344.9	1,403.2
2005	6	0.000	0.000	455.8	8,188.3	104,863.4	113,507.5	112,547.9	455.8	8,188.3
2005	7	0.000	0.000	0.0	23,308.3	103,975.6	127,283.9	123,433.6	0.0	23,308.3
2005	8	0.000	0.000	0.0	29,720.2	102,078.0	131,798.2	128,530.4	0.0	29,720.2
2005	9	0.000	0.000	0.0	22,389.5	107,650.9	130,040.5	129,452.7	0.0	22,389.5
2005	10	0.000	0.000	284.1	10,306.2	101,251.4	111,841.7	112,861.1	284.1	10,306.2
2005	11	0.000	0.000	7,157.2	648.9	96,223.3	104,029.3	105,939.3	7,157.2	648.9
2005	12	0.000	0.000	24,277.4	95.5	105,160.2	129,533.2	127,394.4	24,277.4	95.5
2006	1	0.000	0.000	23,530.9	0.0	110,911.5	134,442.4	135,491.9	23,530.9	0.0
2006	2	0.000	0.000	20,011.2	0.0	98,117.2	118,128.3	120,935.0	20,011.2	0.0
2006	3	0.000	0.000	22,654.3	88.5	95,591.8	118,334.6	113,477.4	22,654.3	88.5
2006	4	0.000	0.000	11,762.2	1,065.4	95,654.5	108,482.1	104,629.6	11,762.2	1,065.4
2006	5	0.000	0.000	961.5	1,788.8	97,923.9	100,674.2	103,898.1	961.5	1,788.8
2006	6	0.000	0.000	185.6	6,759.6	104,256.8	111,202.0	112,025.5	185.6	6,759.6
2006	7	0.000	0.000	0.0	16,681.7	103,813.7	120,495.4	121,843.9	0.0	16,681.7
2006	8	0.000	0.000	0.0	26,283.6	101,033.8	127,317.4	125,800.4	0.0	26,283.6
2006	9	0.000	0.000	43.9	16,699.5	107,505.0	124,248.4	127,451.4	43.9	16,699.5
2006	10	0.000	0.000	1,819.7	2,352.8	101,046.9	105,219.4	107,090.5	1,819.7	2,352.8

Kentucky Power Company
 Commercial Model Output Data

Year	Month	may18on	X-Missing	Heating	Cooling	Other	Total	Actual	Heating	Cooling
2006	11	0.000	0.000	10,018.9	162.2	95,263.2	105,444.3	105,875.3	10,018.9	162.2
2006	12	0.000	0.000	15,787.1	169.4	104,213.2	120,169.7	121,307.3	15,787.1	169.4
2007	1	0.000	0.000	16,483.6	18.7	110,087.3	126,589.6	127,171.8	16,483.6	18.7
2007	2	0.000	0.000	33,129.1	0.0	96,921.3	130,050.5	132,079.6	33,129.1	0.0
2007	3	0.000	0.000	27,936.8	143.0	95,388.3	123,468.1	122,153.4	27,936.8	143.0
2007	4	0.000	0.000	9,648.3	1,861.7	97,038.4	108,548.4	112,596.6	9,648.3	1,861.7
2007	5	0.000	0.000	3,636.5	3,228.3	97,313.6	104,178.4	109,476.2	3,636.5	3,228.3
2007	6	0.000	0.000	149.5	11,404.3	103,008.8	114,562.6	117,861.1	149.5	11,404.3
2007	7	0.000	0.000	0.0	18,536.9	102,612.5	121,149.4	122,280.2	0.0	18,536.9
2007	8	0.000	0.000	0.0	21,718.4	100,994.9	122,713.3	125,107.3	0.0	21,718.4
2007	9	0.000	0.000	0.0	23,940.6	111,809.9	135,750.5	135,178.8	0.0	23,940.6
2007	10	0.000	0.000	305.0	11,116.7	105,879.2	117,301.0	116,735.4	305.0	11,116.7
2007	11	0.000	0.000	5,955.0	1,884.6	100,649.2	108,488.7	108,929.7	5,955.0	1,884.6
2007	12	0.000	0.000	16,934.0	0.0	109,410.4	126,344.3	122,828.8	16,934.0	0.0
2008	1	0.000	0.000	22,293.8	0.0	114,807.6	137,101.4	135,988.5	22,293.8	0.0
2008	2	0.000	0.000	27,183.5	0.0	101,637.9	128,821.4	128,780.7	27,183.5	0.0
2008	3	0.000	0.000	23,223.2	0.0	100,498.5	123,721.7	122,687.3	23,223.2	0.0
2008	4	0.000	0.000	10,459.3	89.9	101,228.4	111,777.6	112,736.8	10,459.3	89.9
2008	5	0.000	0.000	2,322.0	1,171.8	101,260.0	104,753.8	103,319.4	2,322.0	1,171.8
2008	6	0.000	0.000	159.0	6,956.9	108,016.9	115,132.8	114,938.7	159.0	6,956.9
2008	7	0.000	0.000	0.0	14,470.0	107,501.4	121,971.5	122,829.4	0.0	14,470.0
2008	8	0.000	0.000	0.0	17,502.1	106,148.3	123,650.3	124,863.6	0.0	17,502.1
2008	9	0.000	0.000	0.0	16,231.6	110,958.9	127,190.5	127,141.7	0.0	16,231.6
2008	10	0.000	0.000	383.5	6,310.4	104,819.7	111,513.6	111,421.5	383.5	6,310.4
2008	11	0.000	0.000	7,513.6	406.8	99,213.5	107,134.0	106,285.5	7,513.6	406.8
2008	12	0.000	0.000	24,408.3	0.0	108,443.5	132,851.8	131,453.2	24,408.3	0.0
2009	1	0.000	0.000	25,972.5	0.0	114,020.9	139,993.4	140,607.6	25,972.5	0.0
2009	2	0.000	0.000	31,546.7	0.0	101,180.4	132,727.1	135,440.2	31,546.7	0.0
2009	3	0.000	0.000	20,343.4	255.4	99,008.1	119,606.9	117,944.1	20,343.4	255.4
2009	4	0.000	0.000	7,847.3	193.9	100,194.3	108,235.5	108,022.0	7,847.3	193.9
2009	5	0.000	0.000	2,027.2	3,713.6	101,065.6	106,806.5	105,590.0	2,027.2	3,713.6
2009	6	0.000	0.000	196.4	7,469.4	106,809.9	114,475.7	114,602.8	196.4	7,469.4
2009	7	0.000	0.000	0.0	12,871.1	106,639.6	119,510.7	119,391.2	0.0	12,871.1
2009	8	0.000	0.000	0.0	13,259.6	105,122.9	118,382.6	118,640.0	0.0	13,259.6

Kentucky Power Company
 Commercial Model Output Data

Year	Month	may18on	X-Missing	Heating	Cooling	Other	Total	Actual	Heating	Cooling
2009	9	0.000	0.000	0.0	12,671.5	109,711.4	122,382.9	122,206.8	0.0	12,671.5
2009	10	0.000	0.000	1,414.1	4,525.1	104,458.5	110,397.7	110,816.1	1,414.1	4,525.1
2009	11	0.000	0.000	5,629.3	186.1	98,198.2	104,013.6	102,272.0	5,629.3	186.1
2009	12	0.000	0.000	14,776.2	12.0	108,021.4	122,809.6	122,093.4	14,776.2	12.0
2010	1	0.000	0.000	29,807.6	0.0	112,954.6	142,762.2	145,310.6	29,807.6	0.0
2010	2	0.000	0.000	29,785.9	0.0	99,841.4	129,627.3	130,432.8	29,785.9	0.0
2010	3	0.000	0.000	24,396.5	0.0	98,719.5	123,116.0	125,707.2	24,396.5	0.0
2010	4	0.000	0.000	5,683.4	1,477.2	100,049.9	107,210.5	109,887.2	5,683.4	1,477.2
2010	5	0.000	0.000	1,475.9	2,318.7	99,738.1	103,532.7	103,330.0	1,475.9	2,318.7
2010	6	0.000	0.000	239.0	11,292.7	106,412.7	117,944.4	120,865.7	239.0	11,292.7
2010	7	0.000	0.000	0.0	20,299.6	105,986.8	126,286.4	128,707.6	0.0	20,299.6
2010	8	0.000	0.000	0.0	23,652.5	104,402.3	128,054.8	130,361.7	0.0	23,652.5
2010	9	0.000	0.000	0.0	16,701.5	109,190.9	125,892.4	127,048.3	0.0	16,701.5
2010	10	0.000	0.000	468.2	6,263.1	103,550.1	110,281.3	109,352.3	468.2	6,263.1
2010	11	0.000	0.000	4,987.3	603.1	97,403.4	102,993.9	101,528.6	4,987.3	603.1
2010	12	0.000	0.000	20,277.9	0.0	107,177.7	127,455.6	126,389.8	20,277.9	0.0
2011	1	0.000	0.000	31,565.3	0.0	111,944.2	143,509.5	149,475.0	31,565.3	0.0
2011	2	0.000	0.000	28,765.3	0.0	99,288.7	128,054.0	127,879.1	28,765.3	0.0
2011	3	0.000	0.000	14,933.3	95.4	98,058.1	113,086.9	113,092.8	14,933.3	95.4
2011	4	0.000	0.000	9,586.6	918.4	98,143.9	108,648.9	105,814.3	9,586.6	918.4
2011	5	0.000	0.000	1,856.3	2,754.6	100,061.8	104,672.7	104,301.7	1,856.3	2,754.6
2011	6	0.000	0.000	597.2	10,303.9	105,239.0	116,140.1	113,790.4	597.2	10,303.9
2011	7	0.000	0.000	0.0	16,085.9	105,256.0	121,341.9	120,705.5	0.0	16,085.9
2011	8	0.000	0.000	0.0	23,785.7	103,433.2	127,218.9	126,716.5	0.0	23,785.7
2011	9	0.000	0.000	6.6	14,204.9	108,411.6	122,623.0	121,535.2	6.6	14,204.9
2011	10	0.000	0.000	1,160.9	2,531.9	102,886.6	106,579.4	104,793.4	1,160.9	2,531.9
2011	11	0.000	0.000	5,805.2	58.6	96,769.5	102,633.3	101,275.5	5,805.2	58.6
2011	12	0.000	0.000	10,594.0	87.8	106,166.4	116,848.2	117,315.0	10,594.0	87.8
2012	1	0.000	0.000	17,904.9	0.0	110,389.6	128,294.5	127,270.3	17,904.9	0.0
2012	2	0.000	0.000	18,627.0	0.0	100,595.2	119,222.2	118,462.5	18,627.0	0.0
2012	3	0.000	0.000	13,360.6	522.6	94,331.8	108,215.0	108,113.0	13,360.6	522.6
2012	4	0.000	0.000	2,810.9	2,177.2	94,901.2	99,889.3	99,605.5	2,810.9	2,177.2
2012	5	0.000	0.000	1,906.4	3,164.3	96,009.6	101,080.3	101,832.0	1,906.4	3,164.3
2012	6	0.000	0.000	9.6	9,356.5	101,857.4	111,223.5	110,870.2	9.6	9,356.5

Kentucky Power Company
 Commercial Model Output Data

Year	Month	may18on	X-Missing	Heating	Cooling	Other	Total	Actual	Heating	Cooling
2012	7	0.000	0.000	0.0	20,947.5	102,077.9	123,025.5	122,720.1	0.0	20,947.5
2012	8	0.000	0.000	0.0	20,600.7	99,639.1	120,239.8	118,371.5	0.0	20,600.7
2012	9	0.000	0.000	23.1	14,511.1	105,198.6	119,732.8	120,105.3	23.1	14,511.1
2012	10	0.000	0.000	1,535.9	3,488.4	98,979.4	104,003.7	102,106.0	1,535.9	3,488.4
2012	11	0.000	0.000	7,973.7	447.8	93,526.9	101,948.4	101,170.2	7,973.7	447.8
2012	12	0.000	0.000	13,005.6	0.0	102,313.4	115,319.0	116,894.0	13,005.6	0.0
2013	1	0.000	0.000	19,583.5	0.0	109,697.2	129,280.7	127,144.1	19,583.5	0.0
2013	2	0.000	0.000	22,946.1	0.0	99,616.8	122,562.9	121,020.1	22,946.1	0.0
2013	3	0.000	0.000	19,803.6	0.0	93,987.3	113,790.9	117,121.1	19,803.6	0.0
2013	4	0.000	0.000	12,939.6	1,017.3	94,618.7	108,575.6	110,335.0	12,939.6	1,017.3
2013	5	0.000	0.000	1,571.5	2,741.5	95,220.9	99,533.9	98,184.1	1,571.5	2,741.5
2013	6	0.000	0.000	274.6	10,043.3	101,157.8	111,475.8	108,408.7	274.6	10,043.3
2013	7	0.000	0.000	0.0	17,515.6	100,660.8	118,176.4	114,707.6	0.0	17,515.6
2013	8	0.000	0.000	0.0	16,365.5	99,458.7	115,824.2	115,109.3	0.0	16,365.5
2013	9	0.000	0.000	0.0	14,126.9	104,176.0	118,302.9	116,211.8	0.0	14,126.9
2013	10	0.000	0.000	381.5	5,591.4	98,592.6	104,565.5	104,867.1	381.5	5,591.4
2013	11	0.000	0.000	6,407.2	805.6	92,727.6	99,940.4	99,749.8	6,407.2	805.6
2013	12	0.000	0.000	17,319.9	24.0	102,199.9	119,543.7	122,293.1	17,319.9	24.0
2014	1	0.000	0.000	23,003.3	45.7	109,605.2	132,654.1	138,723.6	23,003.3	45.7
2014	2	0.000	0.000	30,538.4	0.0	99,001.0	129,539.4	132,750.6	30,538.4	0.0
2014	3	0.000	0.000	21,793.5	0.0	93,399.0	115,192.5	118,767.8	21,793.5	0.0
2014	4	0.000	0.000	10,646.4	360.0	93,427.4	104,433.8	102,879.6	10,646.4	360.0
2014	5	0.000	0.000	1,305.6	1,943.0	95,484.7	98,733.3	101,231.3	1,305.6	1,943.0
2014	6	0.000	0.000	360.4	7,499.9	100,442.7	108,303.0	108,895.0	360.4	7,499.9
2014	7	0.000	0.000	0.0	15,845.2	100,429.6	116,274.8	116,182.3	0.0	15,845.2
2014	8	0.000	0.000	0.0	11,233.5	99,003.9	110,237.4	110,607.9	0.0	11,233.5
2014	9	0.000	0.000	0.0	13,038.3	103,836.0	116,874.3	116,968.7	0.0	13,038.3
2014	10	0.000	0.000	652.6	3,303.8	97,731.3	101,687.6	100,313.1	652.6	3,303.8
2014	11	0.000	0.000	7,317.9	309.2	92,268.8	99,895.9	98,442.7	7,317.9	309.2
2014	12	0.000	0.000	17,670.3	0.9	101,449.9	119,121.1	119,843.2	17,670.3	0.9
2015	1	0.000	0.000	21,645.0	0.0	109,110.6	130,755.5	130,136.0	21,645.0	0.0
2015	2	0.000	0.000	27,039.8	0.0	98,789.4	125,829.3	126,178.1	27,039.8	0.0
2015	3	0.000	0.000	28,391.6	0.0	93,117.7	121,509.3	125,608.1	28,391.6	0.0
2015	4	0.000	0.000	8,000.7	269.3	93,878.2	102,148.2	102,045.4	8,000.7	269.3

Kentucky Power Company
 Commercial Model Output Data

Year	Month	may18on	X-Missing	Heating	Cooling	Other	Total	Actual	Heating	Cooling
2015	5	0.000	0.000	1,971.2	2,939.5	94,150.7	99,061.4	97,219.8	1,971.2	2,939.5
2015	6	0.000	0.000	67.0	10,786.1	99,934.9	110,788.1	109,165.0	67.0	10,786.1
2015	7	0.000	0.000	0.0	15,326.2	99,588.9	114,915.1	114,739.0	0.0	15,326.2
2015	8	0.000	0.000	0.0	16,257.5	97,703.2	113,960.7	113,629.5	0.0	16,257.5
2015	9	0.000	0.000	0.0	12,386.1	103,243.2	115,629.3	114,534.8	0.0	12,386.1
2015	10	0.000	0.000	655.8	3,922.5	97,791.7	102,370.0	102,147.3	655.8	3,922.5
2015	11	0.000	0.000	3,783.7	270.6	88,727.0	92,781.3	93,346.4	3,783.7	270.6
2015	12	0.000	0.000	9,299.2	55.9	97,800.6	107,155.7	107,110.5	9,299.2	55.9
2016	1	0.000	0.000	15,245.1	0.0	105,829.8	121,074.9	119,353.7	15,245.1	0.0
2016	2	0.000	0.000	25,445.4	0.0	95,218.8	120,664.2	120,158.8	25,445.4	0.0
2016	3	0.000	0.000	14,314.6	69.3	89,791.9	104,175.7	108,145.7	14,314.6	69.3
2016	4	0.000	0.000	5,127.6	513.8	90,514.0	96,155.4	97,128.2	5,127.6	513.8
2016	5	0.000	0.000	1,707.3	2,714.1	90,399.6	94,821.1	92,930.9	1,707.3	2,714.1
2016	6	0.000	0.000	399.2	9,180.4	96,893.5	106,473.1	104,329.1	399.2	9,180.4
2016	7	0.000	0.000	0.0	17,077.1	96,698.0	113,775.1	113,689.2	0.0	17,077.1
2016	8	0.000	0.000	0.0	22,814.8	94,946.9	117,761.7	118,026.0	0.0	22,814.8
2016	9	0.000	0.000	0.0	20,967.9	100,129.4	121,097.3	122,192.5	0.0	20,967.9
2016	10	0.000	0.000	66.2	10,025.0	94,344.1	104,435.4	103,959.9	66.2	10,025.0
2016	11	0.000	0.000	2,184.6	2,414.7	86,506.5	91,105.8	92,163.8	2,184.6	2,414.7
2016	12	0.000	0.000	12,797.1	99.5	95,662.6	108,559.1	109,644.2	12,797.1	99.5
2017	1	0.000	0.000	17,164.1	0.0	103,208.2	120,372.3	119,170.0	17,164.1	0.0
2017	2	0.000	0.000	14,288.6	0.0	93,301.1	107,589.7	105,408.8	14,288.6	0.0
2017	3	0.000	0.000	11,206.7	32.5	87,296.3	98,535.5	99,048.0	11,206.7	32.5
2017	4	0.000	0.000	6,928.2	768.7	87,033.8	94,730.8	94,129.3	6,928.2	768.7
2017	5	0.000	0.000	945.0	4,059.6	88,069.1	93,073.7	91,587.1	945.0	4,059.6
2017	6	0.000	0.000	227.6	7,630.8	94,599.3	102,457.8	100,001.0	227.6	7,630.8
2017	7	0.000	0.000	0.0	15,250.4	94,610.4	109,860.9	109,854.5	0.0	15,250.4
2017	8	0.000	0.000	0.0	16,286.9	92,753.7	109,040.6	110,051.0	0.0	16,286.9
2017	9	0.000	0.000	0.0	9,706.2	97,692.1	107,398.3	107,268.7	0.0	9,706.2
2017	10	0.000	0.000	124.0	7,154.7	92,139.1	99,417.8	99,012.0	124.0	7,154.7
2017	11	0.000	0.000	5,024.3	1,300.9	86,369.7	92,694.9	93,373.3	5,024.3	1,300.9
2017	12	0.000	0.000	13,495.0	48.6	95,127.3	108,670.9	108,508.7	13,495.0	48.6
2018	1	0.000	0.000	26,703.8	100.1	102,595.8	129,399.7	132,408.3	26,703.8	100.1
2018	2	0.000	0.000	21,635.5	168.8	92,796.0	114,600.3	116,029.1	21,635.5	168.8

Kentucky Power Company
 Commercial Model Output Data

Year	Month	may18on	X-Missing	Heating	Cooling	Other	Total	Actual	Heating	Cooling
2018	3	0.000	0.000	12,051.0	339.1	86,878.7	99,268.8	98,708.1	12,051.0	339.1
2018	4	0.000	0.000	11,572.0	390.6	87,825.8	99,788.3	100,199.2	11,572.0	390.6
2018	5	-1,533.712	0.000	2,840.9	4,244.2	86,266.5	93,351.6	92,164.0	2,840.9	4,244.2
2018	6	-1,533.712	0.000	38.2	14,277.5	93,163.9	107,479.7	109,615.5	38.2	14,277.5
2018	7	-1,533.712	0.000	0.0	19,020.0	92,401.5	111,421.5	112,345.9	0.0	19,020.0
2018	8	-1,533.712	0.000	0.0	17,364.7	90,538.1	107,902.8	108,393.0	0.0	17,364.7
2018	9	-1,533.712	0.000	0.0	17,583.0	95,704.9	113,287.9	113,304.5	0.0	17,583.0
2018	10	-1,533.712	0.000	719.3	11,014.5	89,944.5	101,678.3	102,673.6	719.3	11,014.5
2018	11	-1,533.712	0.000	6,966.3	1,609.5	84,617.3	93,193.1	92,474.1	6,966.3	1,609.5
2018	12	-1,533.712	0.000	16,054.7	8.9	92,836.0	108,899.6	108,618.0	16,054.7	8.9
2019	1	-1,533.712	0.000	16,238.5	0.0	100,869.7	117,108.2	114,734.1	16,238.5	0.0
2019	2	-1,533.712	0.000	21,661.2	7.2	90,857.5	112,525.9	0.0	21,661.2	7.2
2019	3	-1,533.712	0.000	16,260.8	98.1	85,002.8	101,361.7	0.0	16,260.8	98.1
2019	4	-1,533.712	0.000	8,068.3	769.7	85,594.1	94,432.0	0.0	8,068.3	769.7
2019	5	-1,533.712	0.000	1,887.6	2,517.0	86,330.7	90,735.3	0.0	1,887.6	2,517.0
2019	6	-1,533.712	0.000	230.6	7,702.3	92,434.1	100,367.0	0.0	230.6	7,702.3
2019	7	-1,533.712	0.000	0.5	15,636.0	92,186.0	107,822.4	0.0	0.5	15,636.0
2019	8	-1,533.712	0.000	0.0	17,582.8	90,503.9	108,086.7	0.0	0.0	17,582.8
2019	9	-1,533.712	0.000	5.2	14,213.4	95,570.4	109,789.0	0.0	5.2	14,213.4
2019	10	-1,533.712	0.000	694.6	4,872.3	89,918.0	95,485.0	0.0	694.6	4,872.3
2019	11	-1,533.712	0.000	5,209.6	673.4	84,143.2	90,026.2	0.0	5,209.6	673.4
2019	12	-1,533.712	0.000	13,458.4	67.4	93,004.8	106,530.5	0.0	13,458.4	67.4
2020	1	-1,533.712	0.000	20,174.3	10.1	100,638.1	120,822.5	0.0	20,174.3	10.1
2020	2	-1,533.712	0.000	21,666.1	7.1	90,656.4	112,329.7	0.0	21,666.1	7.1
2020	3	-1,533.712	0.000	16,269.4	97.9	84,810.5	101,177.7	0.0	16,269.4	97.9
2020	4	-1,533.712	0.000	8,075.1	768.1	85,404.0	94,247.2	0.0	8,075.1	768.1
2020	5	-1,533.712	0.000	1,889.6	2,512.2	86,148.0	90,549.7	0.0	1,889.6	2,512.2
2020	6	-1,533.712	0.000	230.8	7,687.1	92,243.9	100,161.8	0.0	230.8	7,687.1
2020	7	-1,533.712	0.000	0.5	15,605.4	91,997.6	107,603.5	0.0	0.5	15,605.4
2020	8	-1,533.712	0.000	0.0	17,549.7	90,324.0	107,873.7	0.0	0.0	17,549.7
2020	9	-1,533.712	0.000	5.2	14,189.3	95,389.2	109,583.7	0.0	5.2	14,189.3
2020	10	-1,533.712	0.000	695.5	4,863.9	89,740.0	95,299.4	0.0	695.5	4,863.9
2020	11	-1,533.712	0.000	5,214.6	672.0	83,959.5	89,846.2	0.0	5,214.6	672.0
2020	12	-1,533.712	0.000	13,465.8	67.2	92,793.3	106,326.3	0.0	13,465.8	67.2

Kentucky Power Company
 Commercial Model Output Data

Year	Month	may18on	X-Missing	Heating	Cooling	Other	Total	Actual	Heating	Cooling
2021	1	-1,533.712	0.000	20,189.7	10.1	100,416.5	120,616.3		20,189.7	10.1
2021	2	-1,533.712	0.000	21,679.9	7.1	90,454.8	112,141.9		21,679.9	7.1
2021	3	-1,533.712	0.000	16,277.6	97.6	84,607.1	100,982.3		16,277.6	97.6
2021	4	-1,533.712	0.000	8,078.0	766.2	85,190.7	94,034.9		8,078.0	766.2
2021	5	-1,533.712	0.000	1,890.0	2,505.6	85,934.4	90,330.0		1,890.0	2,505.6
2021	6	-1,533.712	0.000	230.8	7,666.0	92,019.7	99,916.5		230.8	7,666.0
2021	7	-1,533.712	0.000	0.5	15,560.6	91,772.2	107,333.2		0.5	15,560.6
2021	8	-1,533.712	0.000	0.0	17,497.4	90,103.9	107,601.3		0.0	17,497.4
2021	9	-1,533.712	0.000	5.2	14,145.5	95,159.4	109,310.1		5.2	14,145.5
2021	10	-1,533.712	0.000	695.2	4,848.4	89,512.7	95,056.4		695.2	4,848.4
2021	11	-1,533.712	0.000	5,212.2	669.8	83,730.8	89,612.9		5,212.2	669.8
2021	12	-1,533.712	0.000	13,458.2	67.0	92,541.1	106,066.3		13,458.2	67.0
2022	1	-1,533.712	0.000	20,231.3	10.1	100,199.7	120,441.0		20,231.3	10.1
2022	2	-1,533.712	0.000	21,721.0	7.1	90,256.6	111,984.7		21,721.0	7.1
2022	3	-1,533.712	0.000	16,305.7	97.3	84,406.4	100,809.4		16,305.7	97.3
2022	4	-1,533.712	0.000	8,090.7	763.2	84,980.0	93,833.9		8,090.7	763.2
2022	5	-1,533.712	0.000	1,892.6	2,495.6	85,723.0	90,111.2		1,892.6	2,495.6
2022	6	-1,533.712	0.000	231.1	7,634.2	91,797.4	99,662.7		231.1	7,634.2
2022	7	-1,533.712	0.000	0.5	15,493.5	91,547.7	107,041.6		0.5	15,493.5
2022	8	-1,533.712	0.000	0.0	17,419.0	89,883.5	107,302.5		0.0	17,419.0
2022	9	-1,533.712	0.000	5.2	14,079.7	94,927.2	109,012.1		5.2	14,079.7
2022	10	-1,533.712	0.000	695.6	4,825.0	89,281.3	94,801.9		695.6	4,825.0
2022	11	-1,533.712	0.000	5,214.2	666.5	83,495.9	89,376.6		5,214.2	666.5
2022	12	-1,533.712	0.000	13,460.9	66.6	92,280.4	105,807.9		13,460.9	66.6
2023	1	-1,533.712	0.000	19,721.7	10.0	99,966.1	119,697.7		19,721.7	10.0
2023	2	-1,533.712	0.000	21,173.5	7.0	90,046.9	111,227.4		21,173.5	7.0
2023	3	-1,533.712	0.000	15,894.5	96.5	84,197.8	100,188.8		15,894.5	96.5
2023	4	-1,533.712	0.000	7,886.5	756.9	84,764.7	93,408.1		7,886.5	756.9
2023	5	-1,533.712	0.000	1,844.8	2,474.8	85,510.6	89,830.3		1,844.8	2,474.8
2023	6	-1,533.712	0.000	225.2	7,570.6	91,578.0	99,373.8		225.2	7,570.6
2023	7	-1,533.712	0.000	0.5	15,364.4	91,330.0	106,694.9		0.5	15,364.4
2023	8	-1,533.712	0.000	0.0	17,273.8	89,673.5	106,947.3		0.0	17,273.8
2023	9	-1,533.712	0.000	5.1	13,962.4	94,710.4	108,677.8		5.1	13,962.4
2023	10	-1,533.712	0.000	678.1	4,784.8	89,069.4	94,532.3		678.1	4,784.8

Kentucky Power Company
 Commercial Model Output Data

Year	Month	may18on	X-Missing	Heating	Cooling	Other	Total	Actual	Heating	Cooling
2023	11	-1,533.712	0.000	5,082.5	660.9	83,285.1	89,028.6		5,082.5	660.9
2023	12	-1,533.712	0.000	13,121.2	66.1	92,050.6	105,237.9		13,121.2	66.1
2024	1	-1,533.712	0.000	19,243.5	9.9	99,754.7	119,008.1		19,243.5	9.9
2024	2	-1,533.712	0.000	20,661.3	7.0	89,858.8	110,527.1		20,661.3	7.0
2024	3	-1,533.712	0.000	15,510.9	95.8	84,012.6	99,619.2		15,510.9	95.8
2024	4	-1,533.712	0.000	7,696.6	751.4	84,575.2	93,023.1		7,696.6	751.4
2024	5	-1,533.712	0.000	1,800.5	2,456.9	85,325.2	89,582.6		1,800.5	2,456.9
2024	6	-1,533.712	0.000	219.8	7,516.1	91,387.6	99,123.6		219.8	7,516.1
2024	7	-1,533.712	0.000	0.4	15,254.5	91,142.2	106,397.2		0.4	15,254.5
2024	8	-1,533.712	0.000	0.0	17,151.1	89,493.5	106,644.6		0.0	17,151.1
2024	9	-1,533.712	0.000	4.9	13,863.8	94,525.4	108,394.1		4.9	13,863.8
2024	10	-1,533.712	0.000	661.9	4,751.2	88,889.2	94,302.3		661.9	4,751.2
2024	11	-1,533.712	0.000	4,961.6	656.3	83,106.6	88,724.6		4,961.6	656.3
2024	12	-1,533.712	0.000	12,809.5	65.6	91,856.7	104,731.8		12,809.5	65.6
2025	1	-1,533.712	0.000	18,790.4	9.8	99,569.8	118,370.1		18,790.4	9.8
2025	2	-1,533.712	0.000	20,173.9	6.9	89,692.1	109,873.0		20,173.9	6.9
2025	3	-1,533.712	0.000	15,144.2	95.1	83,845.8	99,085.2		15,144.2	95.1
2025	4	-1,533.712	0.000	7,514.3	746.4	84,402.2	92,662.9		7,514.3	746.4
2025	5	-1,533.712	0.000	1,757.8	2,440.7	85,153.6	89,352.1		1,757.8	2,440.7
2025	6	-1,533.712	0.000	214.6	7,466.1	91,209.2	98,889.9		214.6	7,466.1
2025	7	-1,533.712	0.000	0.4	15,152.3	90,964.3	106,117.0		0.4	15,152.3
2025	8	-1,533.712	0.000	0.0	17,035.3	89,320.9	106,356.2		0.0	17,035.3
2025	9	-1,533.712	0.000	4.8	13,769.5	94,346.0	108,120.3		4.8	13,769.5
2025	10	-1,533.712	0.000	646.0	4,718.7	88,712.7	94,077.4		646.0	4,718.7
2025	11	-1,533.712	0.000	4,842.5	651.8	82,929.7	88,424.1		4,842.5	651.8
2025	12	-1,533.712	0.000	12,501.5	65.2	91,662.7	104,229.3		12,501.5	65.2
2026	1	-1,533.712	0.000	18,341.5	9.8	99,294.8	117,646.0		18,341.5	9.8
2026	2	-1,533.712	0.000	19,691.1	6.9	89,444.7	109,142.8		19,691.1	6.9
2026	3	-1,533.712	0.000	14,781.2	94.5	83,599.4	98,475.1		14,781.2	94.5
2026	4	-1,533.712	0.000	7,333.8	741.5	84,147.3	92,222.6		7,333.8	741.5
2026	5	-1,533.712	0.000	1,715.5	2,424.5	84,901.6	89,041.6		1,715.5	2,424.5
2026	6	-1,533.712	0.000	209.4	7,416.4	90,947.9	98,573.7		209.4	7,416.4
2026	7	-1,533.712	0.000	0.4	15,050.8	90,704.3	105,755.5		0.4	15,050.8
2026	8	-1,533.712	0.000	0.0	16,920.6	89,069.3	105,990.0		0.0	16,920.6

Kentucky Power Company
 Commercial Model Output Data

Year	Month	may18on	X-Missing	Heating	Cooling	Other	Total	Actual	Heating	Cooling
2026	9	-1,533.712	0.000	4.7	13,676.2	94,085.1	107,766.0		4.7	13,676.2
2026	10	-1,533.712	0.000	630.4	4,686.6	88,456.7	93,773.6		630.4	4,686.6
2026	11	-1,533.712	0.000	4,724.9	647.3	82,673.8	88,046.0		4,724.9	647.3
2026	12	-1,533.712	0.000	12,197.3	64.7	91,382.6	103,644.6		12,197.3	64.7
2027	1	-1,533.712	0.000	17,902.3	9.7	99,028.9	116,940.9		17,902.3	9.7
2027	2	-1,533.712	0.000	19,219.8	6.9	89,206.7	108,433.4		19,219.8	6.9
2027	3	-1,533.712	0.000	14,427.5	93.9	83,363.3	97,884.7		14,427.5	93.9
2027	4	-1,533.712	0.000	7,158.4	736.8	83,904.3	91,799.6		7,158.4	736.8
2027	5	-1,533.712	0.000	1,674.5	2,409.1	84,662.6	88,746.1		1,674.5	2,409.1
2027	6	-1,533.712	0.000	204.4	7,369.1	90,701.3	98,274.8		204.4	7,369.1
2027	7	-1,533.712	0.000	0.4	14,955.1	90,459.9	105,415.4		0.4	14,955.1
2027	8	-1,533.712	0.000	0.0	16,813.0	88,833.9	105,646.9		0.0	16,813.0
2027	9	-1,533.712	0.000	4.6	13,589.4	93,842.0	107,436.0		4.6	13,589.4
2027	10	-1,533.712	0.000	615.3	4,656.8	88,219.1	93,491.2		615.3	4,656.8
2027	11	-1,533.712	0.000	4,612.2	643.2	82,437.5	87,692.9		4,612.2	643.2
2027	12	-1,533.712	0.000	11,906.4	64.3	91,125.1	103,095.7		11,906.4	64.3
2028	1	-1,533.712	0.000	17,470.2	9.7	98,784.3	116,264.1		17,470.2	9.7
2028	2	-1,533.712	0.000	18,755.9	6.8	88,987.6	107,750.3		18,755.9	6.8
2028	3	-1,533.712	0.000	14,079.3	93.4	83,145.9	97,318.6		14,079.3	93.4
2028	4	-1,533.712	0.000	6,985.7	732.5	83,680.4	91,398.6		6,985.7	732.5
2028	5	-1,533.712	0.000	1,634.1	2,395.0	84,442.1	88,471.1		1,634.1	2,395.0
2028	6	-1,533.712	0.000	199.5	7,326.0	90,473.7	97,999.3		199.5	7,326.0
2028	7	-1,533.712	0.000	0.4	14,867.6	90,234.4	105,102.4		0.4	14,867.6
2028	8	-1,533.712	0.000	0.0	16,714.9	88,616.6	105,331.4		0.0	16,714.9
2028	9	-1,533.712	0.000	4.5	13,510.1	93,617.7	107,132.3		4.5	13,510.1
2028	10	-1,533.712	0.000	600.5	4,629.7	87,999.7	93,229.9		600.5	4,629.7
2028	11	-1,533.712	0.000	4,501.0	639.5	82,219.3	87,359.8		4,501.0	639.5
2028	12	-1,533.712	0.000	11,619.5	63.9	90,887.1	102,570.6		11,619.5	63.9
2029	1	-1,533.712	0.000	17,060.8	9.6	98,558.8	115,629.1		17,060.8	9.6
2029	2	-1,533.712	0.000	18,316.8	6.8	88,786.0	107,109.6		18,316.8	6.8
2029	3	-1,533.712	0.000	13,750.1	92.9	82,946.4	96,789.3		13,750.1	92.9
2029	4	-1,533.712	0.000	6,822.5	728.6	83,475.4	91,026.4		6,822.5	728.6
2029	5	-1,533.712	0.000	1,595.9	2,382.3	84,240.8	88,219.1		1,595.9	2,382.3
2029	6	-1,533.712	0.000	194.9	7,287.6	90,266.4	97,748.8		194.9	7,287.6

Kentucky Power Company
 Commercial Model Output Data

Year	Month	may18on	X-Missing	Heating	Cooling	Other	Total	Actual	Heating	Cooling
2029	7	-1,533.712	0.000	0.4	14,789.9	90,029.3	104,819.6		0.4	14,789.9
2029	8	-1,533.712	0.000	0.0	16,627.9	88,419.3	105,047.2		0.0	16,627.9
2029	9	-1,533.712	0.000	4.4	13,440.1	93,414.4	106,858.9		4.4	13,440.1
2029	10	-1,533.712	0.000	586.6	4,605.8	87,801.5	92,993.8		586.6	4,605.8
2029	11	-1,533.712	0.000	4,396.6	636.2	82,022.4	87,055.1		4,396.6	636.2
2029	12	-1,533.712	0.000	11,350.2	63.6	90,672.9	102,086.7		11,350.2	63.6
2030	1	-1,533.712	0.000	16,663.2	9.6	98,254.0	114,926.8		16,663.2	9.6
2030	2	-1,533.712	0.000	17,889.9	6.7	88,512.8	106,409.4		17,889.9	6.7
2030	3	-1,533.712	0.000	13,429.5	92.4	82,674.9	96,196.8		13,429.5	92.4
2030	4	-1,533.712	0.000	6,663.3	724.7	83,195.6	90,583.6		6,663.3	724.7
2030	5	-1,533.712	0.000	1,558.7	2,369.6	83,965.0	87,893.3		1,558.7	2,369.6
2030	6	-1,533.712	0.000	190.3	7,248.7	89,981.5	97,420.5		190.3	7,248.7
2030	7	-1,533.712	0.000	0.4	14,710.9	89,746.6	104,457.9		0.4	14,710.9
2030	8	-1,533.712	0.000	0.0	16,538.9	88,146.7	104,685.6		0.0	16,538.9
2030	9	-1,533.712	0.000	4.3	13,368.1	93,132.6	106,505.0		4.3	13,368.1
2030	10	-1,533.712	0.000	572.8	4,581.1	87,525.6	92,679.6		572.8	4,581.1
2030	11	-1,533.712	0.000	4,293.8	632.8	81,747.6	86,674.2		4,293.8	632.8
2030	12	-1,533.712	0.000	11,084.8	63.3	90,372.9	101,520.9		11,084.8	63.3
2031	1	-1,533.712	0.000	16,265.8	9.5	97,975.4	114,250.7		16,265.8	9.5
2031	2	-1,533.712	0.000	17,463.5	6.7	88,263.4	105,733.6		17,463.5	6.7
2031	3	-1,533.712	0.000	13,109.5	91.9	82,427.7	95,629.1		13,109.5	91.9
2031	4	-1,533.712	0.000	6,504.7	721.2	82,941.2	90,167.0		6,504.7	721.2
2031	5	-1,533.712	0.000	1,521.6	2,358.0	83,714.7	87,594.3		1,521.6	2,358.0
2031	6	-1,533.712	0.000	185.8	7,213.2	89,723.4	97,122.4		185.8	7,213.2
2031	7	-1,533.712	0.000	0.4	14,639.1	89,490.9	104,130.3		0.4	14,639.1
2031	8	-1,533.712	0.000	0.0	16,458.4	87,900.3	104,358.7		0.0	16,458.4
2031	9	-1,533.712	0.000	4.2	13,303.3	92,878.4	106,185.9		4.2	13,303.3
2031	10	-1,533.712	0.000	559.2	4,558.9	87,277.2	92,395.4		559.2	4,558.9
2031	11	-1,533.712	0.000	4,192.0	629.7	81,500.6	86,322.3		4,192.0	629.7
2031	12	-1,533.712	0.000	10,822.0	62.9	90,103.9	100,988.9		10,822.0	62.9
2032	1	-1,533.712	0.000	15,884.3	9.5	97,728.0	113,621.8		15,884.3	9.5
2032	2	-1,533.712	0.000	17,053.7	6.7	88,041.5	105,101.9		17,053.7	6.7
2032	3	-1,533.712	0.000	12,801.8	91.5	82,207.3	95,100.6		12,801.8	91.5
2032	4	-1,533.712	0.000	6,351.9	717.9	82,713.8	89,783.6		6,351.9	717.9

Kentucky Power Company
 Commercial Model Output Data

Year	Month	may18on	X-Missing	Heating	Cooling	Other	Total	Actual	Heating	Cooling
2032	5	-1,533.712	0.000	1,485.8	2,347.4	83,490.6	87,323.9		1,485.8	2,347.4
2032	6	-1,533.712	0.000	181.4	7,180.8	89,491.7	96,853.9		181.4	7,180.8
2032	7	-1,533.712	0.000	0.4	14,573.2	89,260.9	103,834.5		0.4	14,573.2
2032	8	-1,533.712	0.000	0.0	16,384.1	87,678.5	104,062.6		0.0	16,384.1
2032	9	-1,533.712	0.000	4.1	13,243.0	92,648.9	105,896.0		4.1	13,243.0
2032	10	-1,533.712	0.000	546.1	4,538.3	87,052.5	92,136.9		546.1	4,538.3
2032	11	-1,533.712	0.000	4,093.2	626.9	81,276.6	85,996.7		4,093.2	626.9
2032	12	-1,533.712	0.000	10,567.0	62.7	89,859.2	100,488.8		10,567.0	62.7
2033	1	-1,533.712	0.000	15,521.8	9.4	97,493.6	113,024.9		15,521.8	9.4
2033	2	-1,533.712	0.000	16,664.5	6.7	87,831.6	104,502.8		16,664.5	6.7
2033	3	-1,533.712	0.000	12,509.7	91.1	81,999.0	94,599.8		12,509.7	91.1
2033	4	-1,533.712	0.000	6,207.0	715.0	82,499.3	89,421.3		6,207.0	715.0
2033	5	-1,533.712	0.000	1,452.0	2,337.7	83,279.5	87,069.1		1,452.0	2,337.7
2033	6	-1,533.712	0.000	177.3	7,151.1	89,273.7	96,602.1		177.3	7,151.1
2033	7	-1,533.712	0.000	0.4	14,512.9	89,044.9	103,558.2		0.4	14,512.9
2033	8	-1,533.712	0.000	0.0	16,316.4	87,470.3	103,786.6		0.0	16,316.4
2033	9	-1,533.712	0.000	4.0	13,188.3	92,433.9	105,626.2		4.0	13,188.3
2033	10	-1,533.712	0.000	533.6	4,519.5	86,842.1	91,895.3		533.6	4,519.5
2033	11	-1,533.712	0.000	3,999.9	624.3	81,067.2	85,691.4		3,999.9	624.3
2033	12	-1,533.712	0.000	10,326.2	62.4	89,630.8	100,019.3		10,326.2	62.4
2034	1	-1,533.712	0.000	15,167.5	9.4	97,277.4	112,454.2		15,167.5	9.4
2034	2	-1,533.712	0.000	16,283.5	6.6	87,637.1	103,927.3		16,283.5	6.6
2034	3	-1,533.712	0.000	12,223.4	90.8	81,805.4	94,119.5		12,223.4	90.8
2034	4	-1,533.712	0.000	6,064.7	712.2	82,299.0	89,076.0		6,064.7	712.2
2034	5	-1,533.712	0.000	1,418.6	2,328.7	83,081.6	86,828.8		1,418.6	2,328.7
2034	6	-1,533.712	0.000	173.2	7,123.1	89,068.6	96,364.9		173.2	7,123.1
2034	7	-1,533.712	0.000	0.4	14,455.7	88,840.9	103,297.0		0.4	14,455.7
2034	8	-1,533.712	0.000	0.0	16,251.6	87,273.0	103,524.6		0.0	16,251.6
2034	9	-1,533.712	0.000	3.9	13,135.6	92,229.3	105,368.8		3.9	13,135.6
2034	10	-1,533.712	0.000	521.3	4,501.3	86,641.6	91,664.2		521.3	4,501.3
2034	11	-1,533.712	0.000	3,907.4	621.7	80,866.7	85,395.9		3,907.4	621.7
2034	12	-1,533.712	0.000	10,087.0	62.1	89,411.5	99,560.6		10,087.0	62.1
2035	1	-1,533.712	0.000	14,824.2	9.4	97,070.2	111,903.8		14,824.2	9.4
2035	2	-1,533.712	0.000	15,915.3	6.6	87,452.0	103,373.9		15,915.3	6.6

Kentucky Power Company
 Commercial Model Output Data

Year	Month	may18on	X-Missing	Heating	Cooling	Other	Total	Actual	Heating	Cooling
2035	3	-1,533.712	0.000	11,947.1	90.4	81,621.8	93,659.3		11,947.1	90.4
2035	4	-1,533.712	0.000	5,927.8	709.6	82,110.3	88,747.7		5,927.8	709.6
2035	5	-1,533.712	0.000	1,386.6	2,320.1	82,896.0	86,602.7		1,386.6	2,320.1
2035	6	-1,533.712	0.000	169.3	7,097.1	88,877.3	96,143.7		169.3	7,097.1
2035	7	-1,533.712	0.000	0.3	14,403.1	88,651.5	103,055.0		0.3	14,403.1
2035	8	-1,533.712	0.000	0.0	16,192.7	87,090.7	103,283.4		0.0	16,192.7
2035	9	-1,533.712	0.000	3.8	13,088.2	92,041.3	105,133.3		3.8	13,088.2
2035	10	-1,533.712	0.000	509.6	4,485.1	86,457.9	91,452.6		509.6	4,485.1
2035	11	-1,533.712	0.000	3,819.5	619.5	80,684.3	85,123.4		3,819.5	619.5
2035	12	-1,533.712	0.000	9,860.3	61.9	89,212.7	99,134.9		9,860.3	61.9
2036	1	-1,533.712	0.000	14,491.9	9.3	96,879.5	111,380.7		14,491.9	9.3
2036	2	-1,533.712	0.000	15,558.8	6.6	87,281.2	102,846.6		15,558.8	6.6
2036	3	-1,533.712	0.000	11,679.6	90.2	81,452.5	93,222.3		11,679.6	90.2
2036	4	-1,533.712	0.000	5,795.1	707.3	81,936.3	88,438.7		5,795.1	707.3
2036	5	-1,533.712	0.000	1,355.6	2,312.7	82,724.9	86,393.2		1,355.6	2,312.7
2036	6	-1,533.712	0.000	165.5	7,074.6	88,700.9	95,940.9		165.5	7,074.6
2036	7	-1,533.712	0.000	0.3	14,357.6	88,476.9	102,834.8		0.3	14,357.6
2036	8	-1,533.712	0.000	0.0	16,141.7	86,922.5	103,064.2		0.0	16,141.7
2036	9	-1,533.712	0.000	3.7	13,047.1	91,867.9	104,918.7		3.7	13,047.1
2036	10	-1,533.712	0.000	498.2	4,471.1	86,288.5	91,257.8		498.2	4,471.1
2036	11	-1,533.712	0.000	3,734.4	617.6	80,515.8	84,867.8		3,734.4	617.6
2036	12	-1,533.712	0.000	9,640.6	61.7	89,029.3	98,731.7		9,640.6	61.7
2037	1	-1,533.712	0.000	14,173.9	9.3	96,703.4	110,886.7		14,173.9	9.3
2037	2	-1,533.712	0.000	15,217.2	6.6	87,123.3	102,347.1		15,217.2	6.6
2037	3	-1,533.712	0.000	11,423.1	89.9	81,295.7	92,808.8		11,423.1	89.9
2037	4	-1,533.712	0.000	5,667.8	705.4	81,774.6	88,147.8		5,667.8	705.4
2037	5	-1,533.712	0.000	1,325.8	2,306.3	82,565.6	86,197.7		1,325.8	2,306.3
2037	6	-1,533.712	0.000	161.9	7,054.8	88,536.2	95,753.0		161.9	7,054.8
2037	7	-1,533.712	0.000	0.3	14,317.5	88,313.5	102,631.3		0.3	14,317.5
2037	8	-1,533.712	0.000	0.0	16,096.6	86,764.9	102,861.5		0.0	16,096.6
2037	9	-1,533.712	0.000	3.6	13,010.6	91,704.9	104,719.1		3.6	13,010.6
2037	10	-1,533.712	0.000	487.3	4,458.6	86,129.0	91,074.8		487.3	4,458.6
2037	11	-1,533.712	0.000	3,652.3	615.9	80,357.0	84,625.1		3,652.3	615.9
2037	12	-1,533.712	0.000	9,428.5	61.6	88,855.8	98,345.9		9,428.5	61.6

Kentucky Power Company
 Commercial Model Output Data

Year	Month	may18on	X-Missing	Heating	Cooling	Other	Total	Actual	Heating	Cooling
2038	1	-1,533.712	0.000	13,858.3	9.3	96,540.1	110,407.7		13,858.3	9.3
2038	2	-1,533.712	0.000	14,878.4	6.6	86,977.0	101,861.9		14,878.4	6.6
2038	3	-1,533.712	0.000	11,168.7	89.7	81,150.3	92,408.7		11,168.7	89.7
2038	4	-1,533.712	0.000	5,541.6	703.5	81,624.7	87,869.8		5,541.6	703.5
2038	5	-1,533.712	0.000	1,296.3	2,300.3	82,417.9	86,014.5		1,296.3	2,300.3
2038	6	-1,533.712	0.000	158.3	7,036.6	88,383.6	95,578.4		158.3	7,036.6
2038	7	-1,533.712	0.000	0.3	14,280.4	88,162.0	102,442.7		0.3	14,280.4
2038	8	-1,533.712	0.000	0.0	16,054.7	86,618.7	102,673.5		0.0	16,054.7
2038	9	-1,533.712	0.000	3.6	12,976.7	91,553.8	104,534.1		3.6	12,976.7
2038	10	-1,533.712	0.000	476.4	4,446.9	85,981.1	90,904.4		476.4	4,446.9
2038	11	-1,533.712	0.000	3,570.7	614.2	80,209.5	84,394.5		3,570.7	614.2
2038	12	-1,533.712	0.000	9,218.0	61.4	88,694.9	97,974.4		9,218.0	61.4
2039	1	-1,533.712	0.000	13,553.0	9.3	96,386.6	109,948.8		13,553.0	9.3
2039	2	-1,533.712	0.000	14,550.6	6.5	86,839.5	101,396.7		14,550.6	6.5
2039	3	-1,533.712	0.000	10,922.8	89.5	81,014.0	92,026.3		10,922.8	89.5
2039	4	-1,533.712	0.000	5,419.6	701.9	81,484.4	87,605.8		5,419.6	701.9
2039	5	-1,533.712	0.000	1,267.7	2,294.9	82,279.7	85,842.3		1,267.7	2,294.9
2039	6	-1,533.712	0.000	154.8	7,019.9	88,241.1	95,415.8		154.8	7,019.9
2039	7	-1,533.712	0.000	0.3	14,246.6	88,020.7	102,267.7		0.3	14,246.6
2039	8	-1,533.712	0.000	0.0	16,016.9	86,482.6	102,499.5		0.0	16,016.9
2039	9	-1,533.712	0.000	3.5	12,946.1	91,413.3	104,362.9		3.5	12,946.1
2039	10	-1,533.712	0.000	465.9	4,436.5	85,843.7	90,746.1		465.9	4,436.5
2039	11	-1,533.712	0.000	3,492.2	612.8	80,072.8	84,177.9		3,492.2	612.8
2039	12	-1,533.712	0.000	9,015.4	61.3	88,546.0	97,622.6		9,015.4	61.3
2040	1	-1,533.712	0.000	13,251.2	9.2	96,178.1	109,438.5		13,251.2	9.2
2040	2	-1,533.712	0.000	14,227.4	6.5	86,653.8	100,887.8		14,227.4	6.5
2040	3	-1,533.712	0.000	10,680.7	89.2	80,830.8	91,600.7		10,680.7	89.2
2040	4	-1,533.712	0.000	5,299.8	700.0	81,296.7	87,296.5		5,299.8	700.0
2040	5	-1,533.712	0.000	1,239.8	2,289.0	82,096.1	85,624.8		1,239.8	2,289.0
2040	6	-1,533.712	0.000	151.4	7,002.3	88,052.6	95,206.2		151.4	7,002.3
2040	7	-1,533.712	0.000	0.3	14,211.5	87,834.9	102,046.8		0.3	14,211.5
2040	8	-1,533.712	0.000	0.0	15,978.3	86,304.6	102,282.9		0.0	15,978.3
2040	9	-1,533.712	0.000	3.4	12,915.6	91,230.4	104,149.4		3.4	12,915.6
2040	10	-1,533.712	0.000	455.8	4,426.2	85,665.9	90,547.8		455.8	4,426.2

Kentucky Power Company
 Commercial Model Output Data

Year	Month	may18on	X-Missing	Heating	Cooling	Other	Total	Actual	Heating	Cooling
2040	11	-1,533.712	0.000	3,416.3	611.4	79,896.9	83,924.6		3,416.3	611.4
2040	12	-1,533.712	0.000	8,819.8	61.1	88,355.0	97,236.0		8,819.8	61.1
2041	1	-1,533.712	0.000	12,974.7	9.2	96,008.1	108,992.0		12,974.7	9.2
2041	2	-1,533.712	0.000	13,929.9	6.5	86,500.6	100,437.0		13,929.9	6.5
2041	3	-1,533.712	0.000	10,456.9	89.0	80,677.9	91,223.8		10,456.9	89.0
2041	4	-1,533.712	0.000	5,188.5	698.5	81,138.2	87,025.2		5,188.5	698.5
2041	5	-1,533.712	0.000	1,213.7	2,284.0	81,939.0	85,436.7		1,213.7	2,284.0
2041	6	-1,533.712	0.000	148.2	6,986.8	87,889.5	95,024.5		148.2	6,986.8
2041	7	-1,533.712	0.000	0.3	14,179.4	87,672.3	101,852.0		0.3	14,179.4
2041	8	-1,533.712	0.000	0.0	15,941.5	86,147.0	102,088.4		0.0	15,941.5
2041	9	-1,533.712	0.000	3.3	12,885.3	91,066.7	103,955.3		3.3	12,885.3
2041	10	-1,533.712	0.000	446.1	4,415.7	85,504.8	90,366.5		446.1	4,415.7
2041	11	-1,533.712	0.000	3,343.5	609.9	79,735.6	83,689.1		3,343.5	609.9
2041	12	-1,533.712	0.000	8,631.6	61.0	88,178.2	96,870.8		8,631.6	61.0
2042	1	-1,533.712	0.000	12,702.4	9.2	95,844.4	108,556.0		12,702.4	9.2
2042	2	-1,533.712	0.000	13,637.3	6.5	86,353.5	99,997.2		13,637.3	6.5
2042	3	-1,533.712	0.000	10,237.0	88.8	80,531.3	90,857.1		10,237.0	88.8
2042	4	-1,533.712	0.000	5,079.2	696.9	80,986.7	86,762.9		5,079.2	696.9
2042	5	-1,533.712	0.000	1,188.1	2,278.7	81,789.3	85,256.1		1,188.1	2,278.7
2042	6	-1,533.712	0.000	145.1	6,970.3	87,734.4	94,849.8		145.1	6,970.3
2042	7	-1,533.712	0.000	0.3	14,145.8	87,518.1	101,664.1		0.3	14,145.8
2042	8	-1,533.712	0.000	0.0	15,903.2	85,997.7	101,901.0		0.0	15,903.2
2042	9	-1,533.712	0.000	3.3	12,854.1	90,912.0	103,769.3		3.3	12,854.1
2042	10	-1,533.712	0.000	436.6	4,404.8	85,353.0	90,194.5		436.6	4,404.8
2042	11	-1,533.712	0.000	3,272.6	608.4	79,584.0	83,465.0		3,272.6	608.4
2042	12	-1,533.712	0.000	8,448.2	60.8	88,012.3	96,521.4		8,448.2	60.8
2043	1	-1,533.712	0.000	12,431.8	9.2	95,695.8	108,136.8		12,431.8	9.2
2043	2	-1,533.712	0.000	13,346.2	6.5	86,219.4	99,572.1		13,346.2	6.5
2043	3	-1,533.712	0.000	10,018.1	88.6	80,397.4	90,504.1		10,018.1	88.6
2043	4	-1,533.712	0.000	4,970.4	695.2	80,847.9	86,513.6		4,970.4	695.2
2043	5	-1,533.712	0.000	1,162.6	2,273.1	81,651.7	85,087.4		1,162.6	2,273.1
2043	6	-1,533.712	0.000	141.9	6,952.9	87,591.4	94,686.3		141.9	6,952.9
2043	7	-1,533.712	0.000	0.3	14,109.9	87,375.5	101,485.6		0.3	14,109.9
2043	8	-1,533.712	0.000	0.0	15,862.2	85,859.4	101,721.7		0.0	15,862.2

Kentucky Power Company
 Commercial Model Output Data

Year	Month	may18on	X-Missing	Heating	Cooling	Other	Total	Actual	Heating	Cooling
2043	9	-1,533.712	0.000	3.2	12,820.4	90,768.3	103,591.9		3.2	12,820.4
2043	10	-1,533.712	0.000	427.2	4,393.1	85,211.7	90,032.0		427.2	4,393.1
2043	11	-1,533.712	0.000	3,201.5	606.8	79,442.4	83,250.8		3,201.5	606.8
2043	12	-1,533.712	0.000	8,264.5	60.6	87,857.0	96,182.1		8,264.5	60.6
2044	1	-1,533.712	0.000	12,167.2	9.1	95,551.6	107,727.9		12,167.2	9.1
2044	2	-1,533.712	0.000	13,062.4	6.5	86,090.7	99,159.6		13,062.4	6.5
2044	3	-1,533.712	0.000	9,805.2	88.4	80,270.1	90,163.8		9,805.2	88.4
2044	4	-1,533.712	0.000	4,864.9	693.5	80,717.3	86,275.8		4,864.9	693.5
2044	5	-1,533.712	0.000	1,138.0	2,267.6	81,523.6	84,929.1		1,138.0	2,267.6
2044	6	-1,533.712	0.000	138.9	6,936.2	87,459.6	94,534.7		138.9	6,936.2
2044	7	-1,533.712	0.000	0.3	14,076.2	87,245.2	101,321.7		0.3	14,076.2
2044	8	-1,533.712	0.000	0.0	15,824.7	85,734.3	101,559.0		0.0	15,824.7
2044	9	-1,533.712	0.000	3.1	12,790.4	90,639.5	103,433.1		3.1	12,790.4
2044	10	-1,533.712	0.000	418.1	4,383.0	85,086.2	89,887.3		418.1	4,383.0
2044	11	-1,533.712	0.000	3,134.1	605.4	79,317.9	83,057.4		3,134.1	605.4
2044	12	-1,533.712	0.000	8,090.6	60.5	87,721.7	95,872.8		8,090.6	60.5
2045	1	-1,533.712	0.000	11,909.5	9.1	95,428.4	107,347.0		11,909.5	9.1
2045	2	-1,533.712	0.000	12,785.4	6.4	85,979.9	98,771.7		12,785.4	6.4
2045	3	-1,533.712	0.000	9,597.1	88.2	80,159.6	89,844.9		9,597.1	88.2
2045	4	-1,533.712	0.000	4,761.5	692.0	80,603.0	86,056.5		4,761.5	692.0
2045	5	-1,533.712	0.000	1,113.8	2,262.6	81,410.6	84,786.9		1,113.8	2,262.6
2045	6	-1,533.712	0.000	136.0	6,920.7	87,342.4	94,399.1		136.0	6,920.7
2045	7	-1,533.712	0.000	0.3	14,044.4	87,128.4	101,173.2		0.3	14,044.4
2045	8	-1,533.712	0.000	0.0	15,788.7	85,621.4	101,410.1		0.0	15,788.7
2045	9	-1,533.712	0.000	3.1	12,760.9	90,522.3	103,286.3		3.1	12,760.9
2045	10	-1,533.712	0.000	409.2	4,372.8	84,971.1	89,753.0		409.2	4,372.8
2045	11	-1,533.712	0.000	3,067.0	604.0	79,202.8	82,873.8		3,067.0	604.0
2045	12	-1,533.712	0.000	7,917.2	60.4	87,595.7	95,573.2		7,917.2	60.4
2046	1	-1,533.712	0.000	11,660.2	9.1	95,313.1	106,982.4		11,660.2	9.1
2046	2	-1,533.712	0.000	12,517.7	6.4	85,876.2	98,400.3		12,517.7	6.4
2046	3	-1,533.712	0.000	9,396.0	88.0	80,056.5	89,540.5		9,396.0	88.0
2046	4	-1,533.712	0.000	4,661.7	690.5	80,496.4	85,848.5		4,661.7	690.5
2046	5	-1,533.712	0.000	1,090.4	2,257.5	81,305.2	84,653.0		1,090.4	2,257.5
2046	6	-1,533.712	0.000	133.1	6,905.0	87,233.3	94,271.4		133.1	6,905.0

Kentucky Power Company
 Commercial Model Output Data

Year	Month	may18on	X-Missing	Heating	Cooling	Other	Total	Actual	Heating	Cooling
2046	7	-1,533.712	0.000	0.3	14,012.3	87,019.9	101,032.5		0.3	14,012.3
2046	8	-1,533.712	0.000	0.0	15,752.2	85,516.4	101,268.7		0.0	15,752.2
2046	9	-1,533.712	0.000	3.0	12,731.3	90,413.6	103,147.9		3.0	12,731.3
2046	10	-1,533.712	0.000	400.6	4,362.6	84,864.5	89,627.7		400.6	4,362.6
2046	11	-1,533.712	0.000	3,002.3	602.6	79,096.5	82,701.3		3,002.3	602.6
2046	12	-1,533.712	0.000	7,750.2	60.2	87,479.4	95,289.7		7,750.2	60.2
2047	1	-1,533.712	0.000	11,417.6	9.1	95,211.2	106,637.9		11,417.6	9.1
2047	2	-1,533.712	0.000	12,256.9	6.4	85,784.6	98,047.9		12,256.9	6.4
2047	3	-1,533.712	0.000	9,200.1	87.8	79,965.1	89,253.0		9,200.1	87.8
2047	4	-1,533.712	0.000	4,564.4	688.9	80,401.9	85,655.2		4,564.4	688.9
2047	5	-1,533.712	0.000	1,067.6	2,252.4	81,211.7	84,531.7		1,067.6	2,252.4
2047	6	-1,533.712	0.000	130.3	6,889.3	87,136.5	94,156.1		130.3	6,889.3
2047	7	-1,533.712	0.000	0.3	13,980.1	86,923.6	100,904.0		0.3	13,980.1
2047	8	-1,533.712	0.000	0.0	15,716.0	85,423.3	101,139.2		0.0	15,716.0
2047	9	-1,533.712	0.000	2.9	12,701.7	90,317.0	103,021.6		2.9	12,701.7
2047	10	-1,533.712	0.000	392.2	4,352.3	84,769.6	89,514.1		392.2	4,352.3
2047	11	-1,533.712	0.000	2,939.3	601.1	79,001.8	82,542.2		2,939.3	601.1
2047	12	-1,533.712	0.000	7,587.4	60.1	87,375.7	95,023.1		7,587.4	60.1
2048	1	-1,533.712	0.000	11,180.5	9.1	95,117.8	106,307.4		11,180.5	9.1
2048	2	-1,533.712	0.000	12,002.3	6.4	85,700.6	97,709.3		12,002.3	6.4
2048	3	-1,533.712	0.000	9,008.9	87.6	79,881.6	88,978.1		9,008.9	87.6
2048	4	-1,533.712	0.000	4,469.5	687.3	80,315.6	85,472.3		4,469.5	687.3
2048	5	-1,533.712	0.000	1,045.4	2,247.0	81,126.6	84,419.0		1,045.4	2,247.0
2048	6	-1,533.712	0.000	127.6	6,872.9	87,048.2	94,048.7		127.6	6,872.9
2048	7	-1,533.712	0.000	0.3	13,946.8	86,835.9	100,783.0		0.3	13,946.8
2048	8	-1,533.712	0.000	0.0	15,678.3	85,338.5	101,016.8		0.0	15,678.3
2048	9	-1,533.712	0.000	2.9	12,671.2	90,229.3	102,903.4		2.9	12,671.2
2048	10	-1,533.712	0.000	384.0	4,341.8	84,683.7	89,409.5		384.0	4,341.8
2048	11	-1,533.712	0.000	2,878.0	599.7	78,915.9	82,393.6		2,878.0	599.7
2048	12	-1,533.712	0.000	7,428.9	59.9	87,281.9	94,770.7		7,428.9	59.9
2049	1	-1,533.712	0.000	10,952.9	9.0	95,037.2	105,999.1		10,952.9	9.0
2049	2	-1,533.712	0.000	11,757.8	6.4	85,628.1	97,392.3		11,757.8	6.4
2049	3	-1,533.712	0.000	8,825.3	87.4	79,809.5	88,722.2		8,825.3	87.4
2049	4	-1,533.712	0.000	4,378.3	685.7	80,240.9	85,304.9		4,378.3	685.7

Kentucky Power Company
 Commercial Model Output Data

Year	Month	may18on	X-Missing	Heating	Cooling	Other	Total	Actual	Heating	Cooling
2049	5	-1,533.712	0.000	1,024.1	2,241.7	81,053.0	84,318.7		1,024.1	2,241.7
2049	6	-1,533.712	0.000	125.0	6,856.5	86,971.7	93,953.2		125.0	6,856.5
2049	7	-1,533.712	0.000	0.3	13,913.4	86,759.9	100,673.6		0.3	13,913.4
2049	8	-1,533.712	0.000	0.0	15,640.5	85,265.0	100,905.5		0.0	15,640.5
2049	9	-1,533.712	0.000	2.8	12,640.6	90,153.2	102,796.6		2.8	12,640.6
2049	10	-1,533.712	0.000	376.1	4,331.3	84,609.0	89,316.4		376.1	4,331.3
2049	11	-1,533.712	0.000	2,819.0	598.2	78,841.3	82,258.5		2,819.0	598.2
2049	12	-1,533.712	0.000	7,276.7	59.8	87,200.2	94,536.7		7,276.7	59.8
2050	1	-1,533.712	0.000	10,733.5	9.0	94,967.5	105,710.0		10,733.5	9.0
2050	2	-1,533.712	0.000	11,522.3	6.4	85,565.8	97,094.4		11,522.3	6.4
2050	3	-1,533.712	0.000	8,648.6	87.2	79,747.8	88,483.5		8,648.6	87.2
2050	4	-1,533.712	0.000	4,290.6	684.2	80,177.2	85,152.0		4,290.6	684.2
2050	5	-1,533.712	0.000	1,003.6	2,236.8	80,990.4	84,230.7		1,003.6	2,236.8
2050	6	-1,533.712	0.000	122.5	6,841.5	86,907.0	93,871.0		122.5	6,841.5
2050	7	-1,533.712	0.000	0.2	13,883.1	86,695.8	100,579.2		0.2	13,883.1
2050	8	-1,533.712	0.000	0.0	15,606.4	85,203.2	100,809.6		0.0	15,606.4
2050	9	-1,533.712	0.000	2.7	12,613.1	90,089.6	102,705.4		2.7	12,613.1
2050	10	-1,533.712	0.000	368.6	4,321.9	84,546.8	89,237.3		368.6	4,321.9
2050	11	-1,533.712	0.000	2,762.6	596.9	78,779.3	82,138.8		2,762.6	596.9
2050	12	-1,533.712	0.000	7,131.1	59.7	87,132.7	94,323.4		7,131.1	59.7
2051	1	-1,533.712	0.000	10,518.8	9.0	94,900.9	105,428.6		10,518.8	9.0
2051	2	-1,533.712	0.000	11,291.9	6.4	85,506.3	96,804.5		11,291.9	6.4
2051	3	-1,533.712	0.000	8,475.8	87.0	79,689.1	88,251.9		8,475.8	87.0
2051	4	-1,533.712	0.000	4,204.9	682.7	80,116.8	85,004.4		4,204.9	682.7
2051	5	-1,533.712	0.000	983.5	2,232.1	80,931.2	84,146.9		983.5	2,232.1
2051	6	-1,533.712	0.000	120.1	6,827.0	86,846.0	93,793.1		120.1	6,827.0
2051	7	-1,533.712	0.000	0.2	13,853.9	86,635.6	100,489.8		0.2	13,853.9
2051	8	-1,533.712	0.000	0.0	15,573.7	85,145.3	100,719.1		0.0	15,573.7
2051	9	-1,533.712	0.000	2.7	12,587.0	90,030.1	102,619.7		2.7	12,587.0
2051	10	-1,533.712	0.000	361.3	4,313.0	84,488.8	89,163.0		361.3	4,313.0
2051	11	-1,533.712	0.000	2,707.6	595.7	78,721.7	82,025.0		2,707.6	595.7
2051	12	-1,533.712	0.000	6,989.2	59.5	87,070.0	94,118.8		6,989.2	59.5
2052	1	-1,533.712	0.000	10,309.5	9.0	94,839.2	105,157.7		10,309.5	9.0
2052	2	-1,533.712	0.000	11,067.3	6.3	85,451.2	96,524.9		11,067.3	6.3

Kentucky Power Company
 Commercial Model Output Data

Year	Month	may18on	X-Missing	Heating	Cooling	Other	Total	Actual	Heating	Cooling
2052	3	-1,533.712	0.000	8,307.3	86.9	79,634.6	88,028.8		8,307.3	86.9
2052	4	-1,533.712	0.000	4,121.3	681.3	80,060.7	84,863.4		4,121.3	681.3
2052	5	-1,533.712	0.000	964.0	2,227.6	80,876.3	84,067.9		964.0	2,227.6
2052	6	-1,533.712	0.000	117.7	6,813.3	86,789.2	93,720.2		117.7	6,813.3
2052	7	-1,533.712	0.000	0.2	13,826.2	86,579.6	100,406.0		0.2	13,826.2
2052	8	-1,533.712	0.000	0.0	15,542.6	85,091.3	100,633.9		0.0	15,542.6
2052	9	-1,533.712	0.000	2.6	12,562.0	89,974.6	102,539.2		2.6	12,562.0
2052	10	-1,533.712	0.000	354.1	4,304.4	84,434.6	89,093.2		354.1	4,304.4
2052	11	-1,533.712	0.000	2,654.0	594.5	78,667.8	81,916.3		2,654.0	594.5
2052	12	-1,533.712	0.000	6,850.7	59.4	87,011.4	93,921.6		6,850.7	59.4
2053	1	-1,533.712	0.000	10,105.2	9.0	94,781.5	104,895.6		10,105.2	9.0
2053	2	-1,533.712	0.000	10,848.0	6.3	85,399.5	96,253.8		10,848.0	6.3
2053	3	-1,533.712	0.000	8,142.7	86.7	79,583.4	87,812.8		8,142.7	86.7
2053	4	-1,533.712	0.000	4,039.7	680.0	80,007.9	84,727.5		4,039.7	680.0
2053	5	-1,533.712	0.000	944.9	2,223.2	80,824.3	83,992.5		944.9	2,223.2
2053	6	-1,533.712	0.000	115.3	6,799.8	86,735.5	93,650.6		115.3	6,799.8
2053	7	-1,533.712	0.000	0.2	13,798.9	86,526.4	100,325.5		0.2	13,798.9
2053	8	-1,533.712	0.000	0.0	15,511.9	85,040.0	100,551.9		0.0	15,511.9
2053	9	-1,533.712	0.000	2.6	12,537.2	89,921.7	102,461.5		2.6	12,537.2
2053	10	-1,533.712	0.000	347.1	4,295.9	84,382.9	89,025.9		347.1	4,295.9
2053	11	-1,533.712	0.000	2,601.4	593.3	78,616.2	81,810.9		2,601.4	593.3
2053	12	-1,533.712	0.000	6,715.0	59.3	86,955.2	93,729.5		6,715.0	59.3
2054	1	-1,533.712	0.000	9,904.9	8.9	94,726.1	104,640.0		9,904.9	8.9
2054	2	-1,533.712	0.000	10,633.0	6.3	85,349.9	95,989.3		10,633.0	6.3
2054	3	-1,533.712	0.000	7,981.4	86.5	79,534.3	87,602.2		7,981.4	86.5
2054	4	-1,533.712	0.000	3,959.6	678.7	79,957.2	84,595.4		3,959.6	678.7
2054	5	-1,533.712	0.000	926.2	2,218.9	80,774.6	83,919.6		926.2	2,218.9
2054	6	-1,533.712	0.000	113.1	6,786.4	86,683.9	93,583.4		113.1	6,786.4
2054	7	-1,533.712	0.000	0.2	13,771.8	86,475.4	100,247.4		0.2	13,771.8
2054	8	-1,533.712	0.000	0.0	15,481.3	84,990.8	100,472.1		0.0	15,481.3
2054	9	-1,533.712	0.000	2.5	12,512.6	89,871.0	102,386.1		2.5	12,512.6
2054	10	-1,533.712	0.000	340.2	4,287.5	84,333.3	88,961.0		340.2	4,287.5
2054	11	-1,533.712	0.000	2,549.8	592.2	78,566.8	81,708.8		2,549.8	592.2
2054	12	-1,533.712	0.000	6,582.0	59.2	86,901.3	93,542.4		6,582.0	59.2

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Other	Total
2004	1	103,033.2	131,261.2
2004	2	88,896.8	125,201.7
2004	3	88,021.9	109,248.1
2004	4	93,533.3	106,039.0
2004	5	95,245.3	102,893.6
2004	6	104,241.5	117,520.1
2004	7	102,269.9	118,976.1
2004	8	97,957.8	114,443.8
2004	9	102,872.3	117,319.1
2004	10	101,074.8	105,855.6
2004	11	94,819.1	98,814.8
2004	12	103,215.8	117,815.6
2005	1	105,586.9	129,923.7
2005	2	95,352.2	124,572.2
2005	3	92,804.3	117,738.9
2005	4	96,736.4	108,703.5
2005	5	95,343.3	100,091.5
2005	6	103,903.7	112,547.9
2005	7	100,125.3	123,433.6
2005	8	98,810.2	128,530.4
2005	9	107,063.2	129,452.7
2005	10	102,270.9	112,861.1
2005	11	98,133.3	105,939.3
2005	12	103,021.5	127,394.4
2006	1	111,961.0	135,491.9
2006	2	100,923.9	120,935.0
2006	3	90,734.6	113,477.4
2006	4	91,802.0	104,629.6
2006	5	101,147.8	103,898.1
2006	6	105,080.3	112,025.5
2006	7	105,162.2	121,843.9
2006	8	99,516.8	125,800.4
2006	9	110,708.0	127,451.4
2006	10	102,917.9	107,090.5

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Other	Total
2006	11	95,694.2	105,875.3
2006	12	105,350.8	121,307.3
2007	1	110,669.5	127,171.8
2007	2	98,950.5	132,079.6
2007	3	94,073.6	122,153.4
2007	4	101,086.6	112,596.6
2007	5	102,611.4	109,476.2
2007	6	106,307.3	117,861.1
2007	7	103,743.4	122,280.2
2007	8	103,389.0	125,107.3
2007	9	111,238.2	135,178.8
2007	10	105,313.7	116,735.4
2007	11	101,090.2	108,929.7
2007	12	105,894.9	122,828.8
2008	1	113,694.7	135,988.5
2008	2	101,597.2	128,780.7
2008	3	99,464.0	122,687.3
2008	4	102,187.6	112,736.8
2008	5	99,825.6	103,319.4
2008	6	107,822.8	114,938.7
2008	7	108,359.3	122,829.4
2008	8	107,361.5	124,863.6
2008	9	110,910.1	127,141.7
2008	10	104,727.5	111,421.5
2008	11	98,365.0	106,285.5
2008	12	107,044.9	131,453.2
2009	1	114,635.1	140,607.6
2009	2	103,893.5	135,440.2
2009	3	97,345.3	117,944.1
2009	4	99,980.8	108,022.0
2009	5	99,849.1	105,590.0
2009	6	106,937.1	114,602.8
2009	7	106,520.1	119,391.2
2009	8	105,380.4	118,640.0

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Other	Total
2009	9	109,535.2	122,206.8
2009	10	104,876.9	110,816.1
2009	11	96,456.6	102,272.0
2009	12	107,305.3	122,093.4
2010	1	115,503.0	145,310.6
2010	2	100,646.8	130,432.8
2010	3	101,310.7	125,707.2
2010	4	102,726.5	109,887.2
2010	5	99,535.4	103,330.0
2010	6	109,333.9	120,865.7
2010	7	108,408.1	128,707.6
2010	8	106,709.1	130,361.7
2010	9	110,346.8	127,048.3
2010	10	102,621.1	109,352.3
2010	11	95,938.1	101,528.6
2010	12	106,111.9	126,389.8
2011	1	117,909.7	149,475.0
2011	2	99,113.8	127,879.1
2011	3	98,064.1	113,092.8
2011	4	95,309.4	105,814.3
2011	5	99,690.9	104,301.7
2011	6	102,889.3	113,790.4
2011	7	104,619.7	120,705.5
2011	8	102,930.9	126,716.5
2011	9	107,323.8	121,535.2
2011	10	101,100.6	104,793.4
2011	11	95,411.7	101,275.5
2011	12	106,633.2	117,315.0
2012	1	109,365.4	127,270.3
2012	2	99,835.4	118,462.5
2012	3	94,229.7	108,113.0
2012	4	94,617.4	99,605.5
2012	5	96,761.3	101,832.0
2012	6	101,504.0	110,870.2

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Other	Total
2012	7	101,772.5	122,720.1
2012	8	97,770.8	118,371.5
2012	9	105,571.1	120,105.3
2012	10	97,081.7	102,106.0
2012	11	92,748.7	101,170.2
2012	12	103,888.4	116,894.0
2013	1	107,560.6	127,144.1
2013	2	98,074.0	121,020.1
2013	3	97,317.5	117,121.1
2013	4	96,378.1	110,335.0
2013	5	93,871.0	98,184.1
2013	6	98,090.8	108,408.7
2013	7	97,192.1	114,707.6
2013	8	98,743.8	115,109.3
2013	9	102,084.9	116,211.8
2013	10	98,894.2	104,867.1
2013	11	92,537.0	99,749.8
2013	12	104,949.3	122,293.1
2014	1	115,674.7	138,723.6
2014	2	102,212.2	132,750.6
2014	3	96,974.3	118,767.8
2014	4	91,873.2	102,879.6
2014	5	97,982.8	101,231.3
2014	6	101,034.7	108,895.0
2014	7	100,337.1	116,182.3
2014	8	99,374.4	110,607.9
2014	9	103,930.4	116,968.7
2014	10	96,356.8	100,313.1
2014	11	90,815.5	98,442.7
2014	12	102,172.0	119,843.2
2015	1	108,491.0	130,136.0
2015	2	99,138.3	126,178.1
2015	3	97,216.5	125,608.1
2015	4	93,775.4	102,045.4

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Other	Total
2015	5	92,309.1	97,219.8
2015	6	98,311.8	109,165.0
2015	7	99,412.8	114,739.0
2015	8	97,372.0	113,629.5
2015	9	102,148.7	114,534.8
2015	10	97,568.9	102,147.3
2015	11	89,292.0	93,346.4
2015	12	97,755.4	107,110.5
2016	1	104,108.6	119,353.7
2016	2	94,713.3	120,158.8
2016	3	93,761.9	108,145.7
2016	4	91,486.9	97,128.2
2016	5	88,509.4	92,930.9
2016	6	94,749.5	104,329.1
2016	7	96,612.1	113,689.2
2016	8	95,211.2	118,026.0
2016	9	101,224.6	122,192.5
2016	10	93,868.6	103,959.9
2016	11	87,564.6	92,163.8
2016	12	96,747.7	109,644.2
2017	1	102,005.8	119,170.0
2017	2	91,120.2	105,408.8
2017	3	87,808.7	99,048.0
2017	4	86,432.3	94,129.3
2017	5	86,582.5	91,587.1
2017	6	92,142.5	100,001.0
2017	7	94,604.1	109,854.5
2017	8	93,764.2	110,051.0
2017	9	97,562.5	107,268.7
2017	10	91,733.3	99,012.0
2017	11	87,048.1	93,373.3
2017	12	94,965.1	108,508.7
2018	1	105,604.4	132,408.3
2018	2	94,224.8	116,029.1

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Other	Total
2018	3	86,318.0	98,708.1
2018	4	88,236.6	100,199.2
2018	5	85,078.9	92,164.0
2018	6	95,299.7	109,615.5
2018	7	93,325.9	112,345.9
2018	8	91,028.3	108,393.0
2018	9	95,721.5	113,304.5
2018	10	90,939.8	102,673.6
2018	11	83,898.3	92,474.1
2018	12	92,554.4	108,618.0
2019	1	98,495.6	114,734.1
2019	2	90,857.5	112,525.9
2019	3	85,002.8	101,361.7
2019	4	85,594.1	94,432.0
2019	5	86,330.7	90,735.3
2019	6	92,434.1	100,367.0
2019	7	92,186.0	107,822.4
2019	8	90,503.9	108,086.7
2019	9	95,570.4	109,789.0
2019	10	89,918.0	95,485.0
2019	11	84,143.2	90,026.2
2019	12	93,004.8	106,530.5
2020	1	100,638.1	120,822.5
2020	2	90,656.4	112,329.7
2020	3	84,810.5	101,177.7
2020	4	85,404.0	94,247.2
2020	5	86,148.0	90,549.7
2020	6	92,243.9	100,161.8
2020	7	91,997.6	107,603.5
2020	8	90,324.0	107,873.7
2020	9	95,389.2	109,583.7
2020	10	89,740.0	95,299.4
2020	11	83,959.5	89,846.2
2020	12	92,793.3	106,326.3

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Other	Total
2021	1	100,416.5	120,616.3
2021	2	90,454.8	112,141.9
2021	3	84,607.1	100,982.3
2021	4	85,190.7	94,034.9
2021	5	85,934.4	90,330.0
2021	6	92,019.7	99,916.5
2021	7	91,772.2	107,333.2
2021	8	90,103.9	107,601.3
2021	9	95,159.4	109,310.1
2021	10	89,512.7	95,056.4
2021	11	83,730.8	89,612.9
2021	12	92,541.1	106,066.3
2022	1	100,199.7	120,441.0
2022	2	90,256.6	111,984.7
2022	3	84,406.4	100,809.4
2022	4	84,980.0	93,833.9
2022	5	85,723.0	90,111.2
2022	6	91,797.4	99,662.7
2022	7	91,547.7	107,041.6
2022	8	89,883.5	107,302.5
2022	9	94,927.2	109,012.1
2022	10	89,281.3	94,801.9
2022	11	83,495.9	89,376.6
2022	12	92,280.4	105,807.9
2023	1	99,966.1	119,697.7
2023	2	90,046.9	111,227.4
2023	3	84,197.8	100,188.8
2023	4	84,764.7	93,408.1
2023	5	85,510.6	89,830.3
2023	6	91,578.0	99,373.8
2023	7	91,330.0	106,694.9
2023	8	89,673.5	106,947.3
2023	9	94,710.4	108,677.8
2023	10	89,069.4	94,532.3

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Other	Total
2023	11	83,285.1	89,028.6
2023	12	92,050.6	105,237.9
2024	1	99,754.7	119,008.1
2024	2	89,858.8	110,527.1
2024	3	84,012.6	99,619.2
2024	4	84,575.2	93,023.1
2024	5	85,325.2	89,582.6
2024	6	91,387.6	99,123.6
2024	7	91,142.2	106,397.2
2024	8	89,493.5	106,644.6
2024	9	94,525.4	108,394.1
2024	10	88,889.2	94,302.3
2024	11	83,106.6	88,724.6
2024	12	91,856.7	104,731.8
2025	1	99,569.8	118,370.1
2025	2	89,692.1	109,873.0
2025	3	83,845.8	99,085.2
2025	4	84,402.2	92,662.9
2025	5	85,153.6	89,352.1
2025	6	91,209.2	98,889.9
2025	7	90,964.3	106,117.0
2025	8	89,320.9	106,356.2
2025	9	94,346.0	108,120.3
2025	10	88,712.7	94,077.4
2025	11	82,929.7	88,424.1
2025	12	91,662.7	104,229.3
2026	1	99,294.8	117,646.0
2026	2	89,444.7	109,142.8
2026	3	83,599.4	98,475.1
2026	4	84,147.3	92,222.6
2026	5	84,901.6	89,041.6
2026	6	90,947.9	98,573.7
2026	7	90,704.3	105,755.5
2026	8	89,069.3	105,990.0

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Other	Total
2026	9	94,085.1	107,766.0
2026	10	88,456.7	93,773.6
2026	11	82,673.8	88,046.0
2026	12	91,382.6	103,644.6
2027	1	99,028.9	116,940.9
2027	2	89,206.7	108,433.4
2027	3	83,363.3	97,884.7
2027	4	83,904.3	91,799.6
2027	5	84,662.6	88,746.1
2027	6	90,701.3	98,274.8
2027	7	90,459.9	105,415.4
2027	8	88,833.9	105,646.9
2027	9	93,842.0	107,436.0
2027	10	88,219.1	93,491.2
2027	11	82,437.5	87,692.9
2027	12	91,125.1	103,095.7
2028	1	98,784.3	116,264.1
2028	2	88,987.6	107,750.3
2028	3	83,145.9	97,318.6
2028	4	83,680.4	91,398.6
2028	5	84,442.1	88,471.1
2028	6	90,473.7	97,999.3
2028	7	90,234.4	105,102.4
2028	8	88,616.6	105,331.4
2028	9	93,617.7	107,132.3
2028	10	87,999.7	93,229.9
2028	11	82,219.3	87,359.8
2028	12	90,887.1	102,570.6
2029	1	98,558.8	115,629.1
2029	2	88,786.0	107,109.6
2029	3	82,946.4	96,789.3
2029	4	83,475.4	91,026.4
2029	5	84,240.8	88,219.1
2029	6	90,266.4	97,748.8

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Other	Total
2029	7	90,029.3	104,819.6
2029	8	88,419.3	105,047.2
2029	9	93,414.4	106,858.9
2029	10	87,801.5	92,993.8
2029	11	82,022.4	87,055.1
2029	12	90,672.9	102,086.7
2030	1	98,254.0	114,926.8
2030	2	88,512.8	106,409.4
2030	3	82,674.9	96,196.8
2030	4	83,195.6	90,583.6
2030	5	83,965.0	87,893.3
2030	6	89,981.5	97,420.5
2030	7	89,746.6	104,457.9
2030	8	88,146.7	104,685.6
2030	9	93,132.6	106,505.0
2030	10	87,525.6	92,679.6
2030	11	81,747.6	86,674.2
2030	12	90,372.9	101,520.9
2031	1	97,975.4	114,250.7
2031	2	88,263.4	105,733.6
2031	3	82,427.7	95,629.1
2031	4	82,941.2	90,167.0
2031	5	83,714.7	87,594.3
2031	6	89,723.4	97,122.4
2031	7	89,490.9	104,130.3
2031	8	87,900.3	104,358.7
2031	9	92,878.4	106,185.9
2031	10	87,277.2	92,395.4
2031	11	81,500.6	86,322.3
2031	12	90,103.9	100,988.9
2032	1	97,728.0	113,621.8
2032	2	88,041.5	105,101.9
2032	3	82,207.3	95,100.6
2032	4	82,713.8	89,783.6

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Other	Total
2032	5	83,490.6	87,323.9
2032	6	89,491.7	96,853.9
2032	7	89,260.9	103,834.5
2032	8	87,678.5	104,062.6
2032	9	92,648.9	105,896.0
2032	10	87,052.5	92,136.9
2032	11	81,276.6	85,996.7
2032	12	89,859.2	100,488.8
2033	1	97,493.6	113,024.9
2033	2	87,831.6	104,502.8
2033	3	81,999.0	94,599.8
2033	4	82,499.3	89,421.3
2033	5	83,279.5	87,069.1
2033	6	89,273.7	96,602.1
2033	7	89,044.9	103,558.2
2033	8	87,470.3	103,786.6
2033	9	92,433.9	105,626.2
2033	10	86,842.1	91,895.3
2033	11	81,067.2	85,691.4
2033	12	89,630.8	100,019.3
2034	1	97,277.4	112,454.2
2034	2	87,637.1	103,927.3
2034	3	81,805.4	94,119.5
2034	4	82,299.0	89,076.0
2034	5	83,081.6	86,828.8
2034	6	89,068.6	96,364.9
2034	7	88,840.9	103,297.0
2034	8	87,273.0	103,524.6
2034	9	92,229.3	105,368.8
2034	10	86,641.6	91,664.2
2034	11	80,866.7	85,395.9
2034	12	89,411.5	99,560.6
2035	1	97,070.2	111,903.8
2035	2	87,452.0	103,373.9

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Other	Total
2035	3	81,621.8	93,659.3
2035	4	82,110.3	88,747.7
2035	5	82,896.0	86,602.7
2035	6	88,877.3	96,143.7
2035	7	88,651.5	103,055.0
2035	8	87,090.7	103,283.4
2035	9	92,041.3	105,133.3
2035	10	86,457.9	91,452.6
2035	11	80,684.3	85,123.4
2035	12	89,212.7	99,134.9
2036	1	96,879.5	111,380.7
2036	2	87,281.2	102,846.6
2036	3	81,452.5	93,222.3
2036	4	81,936.3	88,438.7
2036	5	82,724.9	86,393.2
2036	6	88,700.9	95,940.9
2036	7	88,476.9	102,834.8
2036	8	86,922.5	103,064.2
2036	9	91,867.9	104,918.7
2036	10	86,288.5	91,257.8
2036	11	80,515.8	84,867.8
2036	12	89,029.3	98,731.7
2037	1	96,703.4	110,886.7
2037	2	87,123.3	102,347.1
2037	3	81,295.7	92,808.8
2037	4	81,774.6	88,147.8
2037	5	82,565.6	86,197.7
2037	6	88,536.2	95,753.0
2037	7	88,313.5	102,631.3
2037	8	86,764.9	102,861.5
2037	9	91,704.9	104,719.1
2037	10	86,129.0	91,074.8
2037	11	80,357.0	84,625.1
2037	12	88,855.8	98,345.9

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Other	Total
2038	1	96,540.1	110,407.7
2038	2	86,977.0	101,861.9
2038	3	81,150.3	92,408.7
2038	4	81,624.7	87,869.8
2038	5	82,417.9	86,014.5
2038	6	88,383.6	95,578.4
2038	7	88,162.0	102,442.7
2038	8	86,618.7	102,673.5
2038	9	91,553.8	104,534.1
2038	10	85,981.1	90,904.4
2038	11	80,209.5	84,394.5
2038	12	88,694.9	97,974.4
2039	1	96,386.6	109,948.8
2039	2	86,839.5	101,396.7
2039	3	81,014.0	92,026.3
2039	4	81,484.4	87,605.8
2039	5	82,279.7	85,842.3
2039	6	88,241.1	95,415.8
2039	7	88,020.7	102,267.7
2039	8	86,482.6	102,499.5
2039	9	91,413.3	104,362.9
2039	10	85,843.7	90,746.1
2039	11	80,072.8	84,177.9
2039	12	88,546.0	97,622.6
2040	1	96,178.1	109,438.5
2040	2	86,653.8	100,887.8
2040	3	80,830.8	91,600.7
2040	4	81,296.7	87,296.5
2040	5	82,096.1	85,624.8
2040	6	88,052.6	95,206.2
2040	7	87,834.9	102,046.8
2040	8	86,304.6	102,282.9
2040	9	91,230.4	104,149.4
2040	10	85,665.9	90,547.8

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Other	Total
2040	11	79,896.9	83,924.6
2040	12	88,355.0	97,236.0
2041	1	96,008.1	108,992.0
2041	2	86,500.6	100,437.0
2041	3	80,677.9	91,223.8
2041	4	81,138.2	87,025.2
2041	5	81,939.0	85,436.7
2041	6	87,889.5	95,024.5
2041	7	87,672.3	101,852.0
2041	8	86,147.0	102,088.4
2041	9	91,066.7	103,955.3
2041	10	85,504.8	90,366.5
2041	11	79,735.6	83,689.1
2041	12	88,178.2	96,870.8
2042	1	95,844.4	108,556.0
2042	2	86,353.5	99,997.2
2042	3	80,531.3	90,857.1
2042	4	80,986.7	86,762.9
2042	5	81,789.3	85,256.1
2042	6	87,734.4	94,849.8
2042	7	87,518.1	101,664.1
2042	8	85,997.7	101,901.0
2042	9	90,912.0	103,769.3
2042	10	85,353.0	90,194.5
2042	11	79,584.0	83,465.0
2042	12	88,012.3	96,521.4
2043	1	95,695.8	108,136.8
2043	2	86,219.4	99,572.1
2043	3	80,397.4	90,504.1
2043	4	80,847.9	86,513.6
2043	5	81,651.7	85,087.4
2043	6	87,591.4	94,686.3
2043	7	87,375.5	101,485.6
2043	8	85,859.4	101,721.7

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Other	Total
2043	9	90,768.3	103,591.9
2043	10	85,211.7	90,032.0
2043	11	79,442.4	83,250.8
2043	12	87,857.0	96,182.1
2044	1	95,551.6	107,727.9
2044	2	86,090.7	99,159.6
2044	3	80,270.1	90,163.8
2044	4	80,717.3	86,275.8
2044	5	81,523.6	84,929.1
2044	6	87,459.6	94,534.7
2044	7	87,245.2	101,321.7
2044	8	85,734.3	101,559.0
2044	9	90,639.5	103,433.1
2044	10	85,086.2	89,887.3
2044	11	79,317.9	83,057.4
2044	12	87,721.7	95,872.8
2045	1	95,428.4	107,347.0
2045	2	85,979.9	98,771.7
2045	3	80,159.6	89,844.9
2045	4	80,603.0	86,056.5
2045	5	81,410.6	84,786.9
2045	6	87,342.4	94,399.1
2045	7	87,128.4	101,173.2
2045	8	85,621.4	101,410.1
2045	9	90,522.3	103,286.3
2045	10	84,971.1	89,753.0
2045	11	79,202.8	82,873.8
2045	12	87,595.7	95,573.2
2046	1	95,313.1	106,982.4
2046	2	85,876.2	98,400.3
2046	3	80,056.5	89,540.5
2046	4	80,496.4	85,848.5
2046	5	81,305.2	84,653.0
2046	6	87,233.3	94,271.4

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Other	Total
2046	7	87,019.9	101,032.5
2046	8	85,516.4	101,268.7
2046	9	90,413.6	103,147.9
2046	10	84,864.5	89,627.7
2046	11	79,096.5	82,701.3
2046	12	87,479.4	95,289.7
2047	1	95,211.2	106,637.9
2047	2	85,784.6	98,047.9
2047	3	79,965.1	89,253.0
2047	4	80,401.9	85,655.2
2047	5	81,211.7	84,531.7
2047	6	87,136.5	94,156.1
2047	7	86,923.6	100,904.0
2047	8	85,423.3	101,139.2
2047	9	90,317.0	103,021.6
2047	10	84,769.6	89,514.1
2047	11	79,001.8	82,542.2
2047	12	87,375.7	95,023.1
2048	1	95,117.8	106,307.4
2048	2	85,700.6	97,709.3
2048	3	79,881.6	88,978.1
2048	4	80,315.6	85,472.3
2048	5	81,126.6	84,419.0
2048	6	87,048.2	94,048.7
2048	7	86,835.9	100,783.0
2048	8	85,338.5	101,016.8
2048	9	90,229.3	102,903.4
2048	10	84,683.7	89,409.5
2048	11	78,915.9	82,393.6
2048	12	87,281.9	94,770.7
2049	1	95,037.2	105,999.1
2049	2	85,628.1	97,392.3
2049	3	79,809.5	88,722.2
2049	4	80,240.9	85,304.9

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Other	Total
2049	5	81,053.0	84,318.7
2049	6	86,971.7	93,953.2
2049	7	86,759.9	100,673.6
2049	8	85,265.0	100,905.5
2049	9	90,153.2	102,796.6
2049	10	84,609.0	89,316.4
2049	11	78,841.3	82,258.5
2049	12	87,200.2	94,536.7
2050	1	94,967.5	105,710.0
2050	2	85,565.8	97,094.4
2050	3	79,747.8	88,483.5
2050	4	80,177.2	85,152.0
2050	5	80,990.4	84,230.7
2050	6	86,907.0	93,871.0
2050	7	86,695.8	100,579.2
2050	8	85,203.2	100,809.6
2050	9	90,089.6	102,705.4
2050	10	84,546.8	89,237.3
2050	11	78,779.3	82,138.8
2050	12	87,132.7	94,323.4
2051	1	94,900.9	105,428.6
2051	2	85,506.3	96,804.5
2051	3	79,689.1	88,251.9
2051	4	80,116.8	85,004.4
2051	5	80,931.2	84,146.9
2051	6	86,846.0	93,793.1
2051	7	86,635.6	100,489.8
2051	8	85,145.3	100,719.1
2051	9	90,030.1	102,619.7
2051	10	84,488.8	89,163.0
2051	11	78,721.7	82,025.0
2051	12	87,070.0	94,118.8
2052	1	94,839.2	105,157.7
2052	2	85,451.2	96,524.9

Kentucky Power Company
 Commercial Model Output Data

Year	Month	Other	Total
2052	3	79,634.6	88,028.8
2052	4	80,060.7	84,863.4
2052	5	80,876.3	84,067.9
2052	6	86,789.2	93,720.2
2052	7	86,579.6	100,406.0
2052	8	85,091.3	100,633.9
2052	9	89,974.6	102,539.2
2052	10	84,434.6	89,093.2
2052	11	78,667.8	81,916.3
2052	12	87,011.4	93,921.6
2053	1	94,781.5	104,895.6
2053	2	85,399.5	96,253.8
2053	3	79,583.4	87,812.8
2053	4	80,007.9	84,727.5
2053	5	80,824.3	83,992.5
2053	6	86,735.5	93,650.6
2053	7	86,526.4	100,325.5
2053	8	85,040.0	100,551.9
2053	9	89,921.7	102,461.5
2053	10	84,382.9	89,025.9
2053	11	78,616.2	81,810.9
2053	12	86,955.2	93,729.5
2054	1	94,726.1	104,640.0
2054	2	85,349.9	95,989.3
2054	3	79,534.3	87,602.2
2054	4	79,957.2	84,595.4
2054	5	80,774.6	83,919.6
2054	6	86,683.9	93,583.4
2054	7	86,475.4	100,247.4
2054	8	84,990.8	100,472.1
2054	9	89,871.0	102,386.1
2054	10	84,333.3	88,961.0
2054	11	78,566.8	81,708.8
2054	12	86,901.3	93,542.4

LONG-TERM INDUSTRIAL

The MEANS Procedure

Variable	Label	Mean
year	year	2023.50
month	month	6.5000000
eix_kpc	BILLED KWH	173.3901789

KENTUCKY POWER COMPANY
 MANUFACTURING ENERGY SALES
 ENDOGENOUS VARIABLES

Obs	year	month	eix_kpc
1	1993	1	142.816
2	1993	2	134.64
3	1993	3	133.037
4	1993	4	138.342
5	1993	5	146.591
6	1993	6	143.075
7	1993	7	136.424
8	1993	8	151.516
9	1993	9	134.916
10	1993	10	153.511
11	1993	11	137.866
12	1993	12	148.973
13	1994	1	148.79
14	1994	2	124.78
15	1994	3	133.358
16	1994	4	144.93
17	1994	5	151.88
18	1994	6	150.371
19	1994	7	151.052
20	1994	8	152.551
21	1994	9	148.994
22	1994	10	152.348
23	1994	11	147.517
24	1994	12	156.963
25	1995	1	159.262
26	1995	2	145.976
27	1995	3	155.934
28	1995	4	146.796
29	1995	5	158.469
30	1995	6	160.354
31	1995	7	162.27
32	1995	8	165.273
33	1995	9	152.815
34	1995	10	168.863
35	1995	11	154.314
36	1995	12	175.99
37	1996	1	148.7183
38	1996	2	158.4913
39	1996	3	159.328
40	1996	4	166.78
41	1996	5	171.6109
42	1996	6	166.7304
43	1996	7	158.5437
44	1996	8	164.6052
45	1996	9	173.7611
46	1996	10	159.0677
47	1996	11	164.379
48	1996	12	189.4332
49	1997	1	173.559
50	1997	2	159.5648

KENTUCKY POWER COMPANY
 MANUFACTURING ENERGY SALES
 ENDOGENOUS VARIABLES

Obs	year	month	eix_kpc
51	1997	3	151.9106
52	1997	4	188.83
53	1997	5	167.2083
54	1997	6	162.5123
55	1997	7	175.9181
56	1997	8	157.7258
57	1997	9	169.0581
58	1997	10	172.5668
59	1997	11	165.0283
60	1997	12	177.7049
61	1998	1	180.1749
62	1998	2	163.4892
63	1998	3	168.9997
64	1998	4	174.3656
65	1998	5	172.3168
66	1998	6	165.2896
67	1998	7	168.186
68	1998	8	168.5332
69	1998	9	161.9169
70	1998	10	172.017
71	1998	11	163.3499
72	1998	12	177.1322
73	1999	1	164.9642
74	1999	2	155.3268
75	1999	3	173.0491
76	1999	4	175.3766
77	1999	5	169.0905
78	1999	6	169.6412
79	1999	7	169.5819
80	1999	8	172.851
81	1999	9	166.9379
82	1999	10	151.2451
83	1999	11	154.8798
84	1999	12	180.0094
85	2000	1	96.5857
86	2000	2	239.9814
87	2000	3	178.1322
88	2000	4	177.0319
89	2000	5	171.32
90	2000	6	176.8782
91	2000	7	175.2005
92	2000	8	175.8487
93	2000	9	169.5559
94	2000	10	164.9528
95	2000	11	166.955
96	2000	12	91.3502
97	2001	1	257.2551
98	2001	2	153.8066
99	2001	3	163.7331
100	2001	4	164.493

KENTUCKY POWER COMPANY
MANUFACTURING ENERGY SALES
ENDOGENOUS VARIABLES

Obs	year	month	eix_kpc
101	2001	5	172.8755
102	2001	6	168.9733
103	2001	7	175.6969
104	2001	8	175.826
105	2001	9	159.5207
106	2001	10	167.6823
107	2001	11	167.3748
108	2001	12	168.1846
109	2002	1	163.0547
110	2002	2	157.6664
111	2002	3	163.2886
112	2002	4	174.5769
113	2002	5	172.5964
114	2002	6	166.8382
115	2002	7	176.0262
116	2002	8	177.4838
117	2002	9	167.6092
118	2002	10	173.7344
119	2002	11	170.7431
120	2002	12	173.3954
121	2003	1	162.0759
122	2003	2	144.1667
123	2003	3	156.723
124	2003	4	146.6467
125	2003	5	154.4638
126	2003	6	150.4372
127	2003	7	151.3213
128	2003	8	161.3528
129	2003	9	151.9628
130	2003	10	165.758
131	2003	11	154.9
132	2003	12	151.4198
133	2004	1	150.2265
134	2004	2	152.708
135	2004	3	176.7512
136	2004	4	155.4812
137	2004	5	190.1718
138	2004	6	179.9617
139	2004	7	186.8921
140	2004	8	183.7176
141	2004	9	163.6366
142	2004	10	183.6503
143	2004	11	183.1642
144	2004	12	195.5
145	2005	1	189.6027
146	2005	2	184.252
147	2005	3	166.0976
148	2005	4	183.3147
149	2005	5	184.8925
150	2005	6	187.828

KENTUCKY POWER COMPANY
MANUFACTURING ENERGY SALES
ENDOGENOUS VARIABLES

Obs	year	month	eix_kpc
151	2005	7	180.5771
152	2005	8	187.4632
153	2005	9	186.1975
154	2005	10	199.0122
155	2005	11	192.5707
156	2005	12	200.932
157	2006	1	190.0371
158	2006	2	187.4473
159	2006	3	181.3609
160	2006	4	182.9056
161	2006	5	188.3365
162	2006	6	186.2461
163	2006	7	179.4359
164	2006	8	189.2983
165	2006	9	189.433
166	2006	10	170.3618
167	2006	11	179.2338
168	2006	12	189.0356
169	2007	1	192.0406
170	2007	2	159.0628
171	2007	3	186.9283
172	2007	4	190.1511
173	2007	5	190.165
174	2007	6	191.4638
175	2007	7	191.4421
176	2007	8	191.6024
177	2007	9	158.3397
178	2007	10	174.8257
179	2007	11	130.1767
180	2007	12	190.2448
181	2008	1	191.7303
182	2008	2	180.9209
183	2008	3	185.4784
184	2008	4	180.503
185	2008	5	194.4632
186	2008	6	189.1128
187	2008	7	193.6167
188	2008	8	190.6955
189	2008	9	191.561
190	2008	10	190.0602
191	2008	11	187.2236
192	2008	12	183.3511
193	2009	1	178.4798
194	2009	2	166.9064
195	2009	3	186.8112
196	2009	4	188.0262
197	2009	5	178.8184
198	2009	6	179.7588
199	2009	7	185.2579
200	2009	8	176.3657

KENTUCKY POWER COMPANY
MANUFACTURING ENERGY SALES
ENDOGENOUS VARIABLES

Obs	year	month	eix_kpc
201	2009	9	179.7113
202	2009	10	206.7615
203	2009	11	174.5805
204	2009	12	192.1277
205	2010	1	187.7286
206	2010	2	181.0226
207	2010	3	176.5991
208	2010	4	180.2086
209	2010	5	178.4375
210	2010	6	202.5519
211	2010	7	181.6589
212	2010	8	210.1764
213	2010	9	191.1023
214	2010	10	177.5866
215	2010	11	205.819
216	2010	12	199.885
217	2011	1	201.0961
218	2011	2	193.7141
219	2011	3	177.9262
220	2011	4	192.5663
221	2011	5	192.7699
222	2011	6	200.8508
223	2011	7	197.1301
224	2011	8	185.1926
225	2011	9	187.6814
226	2011	10	182.7747
227	2011	11	189.7456
228	2011	12	199.0305
229	2012	1	197.6217
230	2012	2	187.9472
231	2012	3	188.0615
232	2012	4	192.6353
233	2012	5	195.2819
234	2012	6	192.8064
235	2012	7	180.1194
236	2012	8	192.0667
237	2012	9	187.1749
238	2012	10	194.8102
239	2012	11	191.116
240	2012	12	190.6118
241	2013	1	198.3459
242	2013	2	165.6118
243	2013	3	175.7906
244	2013	4	190.6073
245	2013	5	186.6246
246	2013	6	186.3787
247	2013	7	189.6882
248	2013	8	185.6613
249	2013	9	178.3423
250	2013	10	175.2521

KENTUCKY POWER COMPANY
MANUFACTURING ENERGY SALES
ENDOGENOUS VARIABLES

Obs	year	month	eix_kpc
251	2013	11	184.2143
252	2013	12	193.3185
253	2014	1	194.7378
254	2014	2	174.3046
255	2014	3	178.8797
256	2014	4	186.4871
257	2014	5	194.0551
258	2014	6	185.8802
259	2014	7	184.3423
260	2014	8	193.5153
261	2014	9	165.7648
262	2014	10	162.6614
263	2014	11	182.8524
264	2014	12	194.6141
265	2015	1	197.0836
266	2015	2	175.859
267	2015	3	188.1474
268	2015	4	185.9501
269	2015	5	185.8286
270	2015	6	184.6503
271	2015	7	187.3489
272	2015	8	170.0669
273	2015	9	178.1424
274	2015	10	174.6272
275	2015	11	168.1423
276	2015	12	179.2309
277	2016	1	163.5506
278	2016	2	162.799
279	2016	3	178.6663
280	2016	4	170.2656
281	2016	5	171.1286
282	2016	6	170.0487
283	2016	7	164.2589
284	2016	8	172.4751
285	2016	9	170.5608
286	2016	10	169.581
287	2016	11	163.3348
288	2016	12	175.661
289	2017	1	174.7326
290	2017	2	166.0258
291	2017	3	167.2545
292	2017	4	169.7953
293	2017	5	160.8833
294	2017	6	179.3524
295	2017	7	172.021
296	2017	8	174.2605
297	2017	9	165.6166
298	2017	10	158.9489
299	2017	11	161.2395
300	2017	12	180.8347

KENTUCKY POWER COMPANY
MANUFACTURING ENERGY SALES
ENDOGENOUS VARIABLES

Obs	year	month	eix_kpc
301	2018	1	177.5278
302	2018	2	161.4211
303	2018	3	169.526
304	2018	4	165.9414
305	2018	5	172.0884
306	2018	6	169.2895
307	2018	7	178.0022
308	2018	8	174.5013
309	2018	9	171.2835
310	2018	10	170.9394
311	2018	11	161.7337
312	2018	12	176.8703
313	2019	1	174.9183
314	2019	2	.
315	2019	3	.
316	2019	4	.
317	2019	5	.
318	2019	6	.
319	2019	7	.
320	2019	8	.
321	2019	9	.
322	2019	10	.
323	2019	11	.
324	2019	12	.
325	2020	1	.
326	2020	2	.
327	2020	3	.
328	2020	4	.
329	2020	5	.
330	2020	6	.
331	2020	7	.
332	2020	8	.
333	2020	9	.
334	2020	10	.
335	2020	11	.
336	2020	12	.
337	2021	1	.
338	2021	2	.
339	2021	3	.
340	2021	4	.
341	2021	5	.
342	2021	6	.
343	2021	7	.
344	2021	8	.
345	2021	9	.
346	2021	10	.
347	2021	11	.
348	2021	12	.
349	2022	1	.
350	2022	2	.

KENTUCKY POWER COMPANY
MANUFACTURING ENERGY SALES
ENDOGENOUS VARIABLES

Obs	year	month	eix_kpc
351	2022	3	.
352	2022	4	.
353	2022	5	.
354	2022	6	.
355	2022	7	.
356	2022	8	.
357	2022	9	.
358	2022	10	.
359	2022	11	.
360	2022	12	.
361	2023	1	.
362	2023	2	.
363	2023	3	.
364	2023	4	.
365	2023	5	.
366	2023	6	.
367	2023	7	.
368	2023	8	.
369	2023	9	.
370	2023	10	.
371	2023	11	.
372	2023	12	.
373	2024	1	.
374	2024	2	.
375	2024	3	.
376	2024	4	.
377	2024	5	.
378	2024	6	.
379	2024	7	.
380	2024	8	.
381	2024	9	.
382	2024	10	.
383	2024	11	.
384	2024	12	.
385	2025	1	.
386	2025	2	.
387	2025	3	.
388	2025	4	.
389	2025	5	.
390	2025	6	.
391	2025	7	.
392	2025	8	.
393	2025	9	.
394	2025	10	.
395	2025	11	.
396	2025	12	.
397	2026	1	.
398	2026	2	.
399	2026	3	.
400	2026	4	.

KENTUCKY POWER COMPANY
MANUFACTURING ENERGY SALES
ENDOGENOUS VARIABLES

Obs	year	month	eix_kpc
401	2026	5	.
402	2026	6	.
403	2026	7	.
404	2026	8	.
405	2026	9	.
406	2026	10	.
407	2026	11	.
408	2026	12	.
409	2027	1	.
410	2027	2	.
411	2027	3	.
412	2027	4	.
413	2027	5	.
414	2027	6	.
415	2027	7	.
416	2027	8	.
417	2027	9	.
418	2027	10	.
419	2027	11	.
420	2027	12	.
421	2028	1	.
422	2028	2	.
423	2028	3	.
424	2028	4	.
425	2028	5	.
426	2028	6	.
427	2028	7	.
428	2028	8	.
429	2028	9	.
430	2028	10	.
431	2028	11	.
432	2028	12	.
433	2029	1	.
434	2029	2	.
435	2029	3	.
436	2029	4	.
437	2029	5	.
438	2029	6	.
439	2029	7	.
440	2029	8	.
441	2029	9	.
442	2029	10	.
443	2029	11	.
444	2029	12	.
445	2030	1	.
446	2030	2	.
447	2030	3	.
448	2030	4	.
449	2030	5	.
450	2030	6	.

KENTUCKY POWER COMPANY
MANUFACTURING ENERGY SALES
ENDOGENOUS VARIABLES

Obs	year	month	eix_kpc
451	2030	7	.
452	2030	8	.
453	2030	9	.
454	2030	10	.
455	2030	11	.
456	2030	12	.
457	2031	1	.
458	2031	2	.
459	2031	3	.
460	2031	4	.
461	2031	5	.
462	2031	6	.
463	2031	7	.
464	2031	8	.
465	2031	9	.
466	2031	10	.
467	2031	11	.
468	2031	12	.
469	2032	1	.
470	2032	2	.
471	2032	3	.
472	2032	4	.
473	2032	5	.
474	2032	6	.
475	2032	7	.
476	2032	8	.
477	2032	9	.
478	2032	10	.
479	2032	11	.
480	2032	12	.
481	2033	1	.
482	2033	2	.
483	2033	3	.
484	2033	4	.
485	2033	5	.
486	2033	6	.
487	2033	7	.
488	2033	8	.
489	2033	9	.
490	2033	10	.
491	2033	11	.
492	2033	12	.
493	2034	1	.
494	2034	2	.
495	2034	3	.
496	2034	4	.
497	2034	5	.
498	2034	6	.
499	2034	7	.
500	2034	8	.

KENTUCKY POWER COMPANY
MANUFACTURING ENERGY SALES
ENDOGENOUS VARIABLES

Obs	year	month	eix_kpc
501	2034	9	.
502	2034	10	.
503	2034	11	.
504	2034	12	.
505	2035	1	.
506	2035	2	.
507	2035	3	.
508	2035	4	.
509	2035	5	.
510	2035	6	.
511	2035	7	.
512	2035	8	.
513	2035	9	.
514	2035	10	.
515	2035	11	.
516	2035	12	.
517	2036	1	.
518	2036	2	.
519	2036	3	.
520	2036	4	.
521	2036	5	.
522	2036	6	.
523	2036	7	.
524	2036	8	.
525	2036	9	.
526	2036	10	.
527	2036	11	.
528	2036	12	.
529	2037	1	.
530	2037	2	.
531	2037	3	.
532	2037	4	.
533	2037	5	.
534	2037	6	.
535	2037	7	.
536	2037	8	.
537	2037	9	.
538	2037	10	.
539	2037	11	.
540	2037	12	.
541	2038	1	.
542	2038	2	.
543	2038	3	.
544	2038	4	.
545	2038	5	.
546	2038	6	.
547	2038	7	.
548	2038	8	.
549	2038	9	.
550	2038	10	.

KENTUCKY POWER COMPANY
MANUFACTURING ENERGY SALES
ENDOGENOUS VARIABLES

Obs	year	month	eix_kpc
551	2038	11	.
552	2038	12	.
553	2039	1	.
554	2039	2	.
555	2039	3	.
556	2039	4	.
557	2039	5	.
558	2039	6	.
559	2039	7	.
560	2039	8	.
561	2039	9	.
562	2039	10	.
563	2039	11	.
564	2039	12	.
565	2040	1	.
566	2040	2	.
567	2040	3	.
568	2040	4	.
569	2040	5	.
570	2040	6	.
571	2040	7	.
572	2040	8	.
573	2040	9	.
574	2040	10	.
575	2040	11	.
576	2040	12	.
577	2041	1	.
578	2041	2	.
579	2041	3	.
580	2041	4	.
581	2041	5	.
582	2041	6	.
583	2041	7	.
584	2041	8	.
585	2041	9	.
586	2041	10	.
587	2041	11	.
588	2041	12	.
589	2042	1	.
590	2042	2	.
591	2042	3	.
592	2042	4	.
593	2042	5	.
594	2042	6	.
595	2042	7	.
596	2042	8	.
597	2042	9	.
598	2042	10	.
599	2042	11	.
600	2042	12	.

KENTUCKY POWER COMPANY
MANUFACTURING ENERGY SALES
ENDOGENOUS VARIABLES

Obs	year	month	eix_kpc
601	2043	1	.
602	2043	2	.
603	2043	3	.
604	2043	4	.
605	2043	5	.
606	2043	6	.
607	2043	7	.
608	2043	8	.
609	2043	9	.
610	2043	10	.
611	2043	11	.
612	2043	12	.
613	2044	1	.
614	2044	2	.
615	2044	3	.
616	2044	4	.
617	2044	5	.
618	2044	6	.
619	2044	7	.
620	2044	8	.
621	2044	9	.
622	2044	10	.
623	2044	11	.
624	2044	12	.
625	2045	1	.
626	2045	2	.
627	2045	3	.
628	2045	4	.
629	2045	5	.
630	2045	6	.
631	2045	7	.
632	2045	8	.
633	2045	9	.
634	2045	10	.
635	2045	11	.
636	2045	12	.
637	2046	1	.
638	2046	2	.
639	2046	3	.
640	2046	4	.
641	2046	5	.
642	2046	6	.
643	2046	7	.
644	2046	8	.
645	2046	9	.
646	2046	10	.
647	2046	11	.
648	2046	12	.
649	2047	1	.
650	2047	2	.

KENTUCKY POWER COMPANY
MANUFACTURING ENERGY SALES
ENDOGENOUS VARIABLES

Obs	year	month	eix_kpc
651	2047	3	.
652	2047	4	.
653	2047	5	.
654	2047	6	.
655	2047	7	.
656	2047	8	.
657	2047	9	.
658	2047	10	.
659	2047	11	.
660	2047	12	.
661	2048	1	.
662	2048	2	.
663	2048	3	.
664	2048	4	.
665	2048	5	.
666	2048	6	.
667	2048	7	.
668	2048	8	.
669	2048	9	.
670	2048	10	.
671	2048	11	.
672	2048	12	.
673	2049	1	.
674	2049	2	.
675	2049	3	.
676	2049	4	.
677	2049	5	.
678	2049	6	.
679	2049	7	.
680	2049	8	.
681	2049	9	.
682	2049	10	.
683	2049	11	.
684	2049	12	.
685	2050	1	.
686	2050	2	.
687	2050	3	.
688	2050	4	.
689	2050	5	.
690	2050	6	.
691	2050	7	.
692	2050	8	.
693	2050	9	.
694	2050	10	.
695	2050	11	.
696	2050	12	.
697	2051	1	.
698	2051	2	.
699	2051	3	.
700	2051	4	.

KENTUCKY POWER COMPANY
MANUFACTURING ENERGY SALES
ENDOGENOUS VARIABLES

Obs	year	month	eix_kpc
701	2051	5	.
702	2051	6	.
703	2051	7	.
704	2051	8	.
705	2051	9	.
706	2051	10	.
707	2051	11	.
708	2051	12	.
709	2052	1	.
710	2052	2	.
711	2052	3	.
712	2052	4	.
713	2052	5	.
714	2052	6	.
715	2052	7	.
716	2052	8	.
717	2052	9	.
718	2052	10	.
719	2052	11	.
720	2052	12	.
721	2053	1	.
722	2053	2	.
723	2053	3	.
724	2053	4	.
725	2053	5	.
726	2053	6	.
727	2053	7	.
728	2053	8	.
729	2053	9	.
730	2053	10	.
731	2053	11	.
732	2053	12	.
733	2054	1	.
734	2054	2	.
735	2054	3	.
736	2054	4	.
737	2054	5	.
738	2054	6	.
739	2054	7	.
740	2054	8	.
741	2054	9	.
742	2054	10	.
743	2054	11	.
744	2054	12	.

The MEANS Procedure

Variable	Label	Mean
year	year	2023.50
month	month	6.5000000
grpmf_kpc	GROSS REGIONAL PRODUCT-MANUFACTURING	1344.18
d09on	BINARY VARIABLE-2009 ON	0.7419355
d1	BINARY VARIABLE-JANUARY	0.0833333
d2	BINARY VARIABLE-FEBRUARY	0.0833333
d3	BINARY VARIABLE-MARCH	0.0833333
d4	BINARY VARIABLE-APRIL	0.0833333
d5	BINARY VARIABLE-MAY	0.0833333
d6	BINARY VARIABLE-JUNE	0.0833333
d7	BINARY VARIABLE-JULY	0.0833333
d8	BINARY VARIABLE-AUGUST	0.0833333
d9	BINARY VARIABLE-SEPTEMBER	0.0833333
d10	BINARY VARIABLE-OCTOBER	0.0833333
d11	BINARY VARIABLE-NOVEMBER	0.0833333
Jan00	BINARY VARIABLE-JANUARY 2000	0.0013441
Feb00	BINARY VARIABLE-FEBRUARY 2000	0.0013441
Dec00	BINARY VARIABLE-DECEMBER 2000	0.0013441
nov07	BINARY VARIABLE-NOVEMBER 2007	0.0013441
d004	BINARY VARIABLE-2000 4TH QTR	0.0013441
d011	BINARY VARIABLE-2001 1ST QTR	0.0013441
jun15on	BINARY VARIABLE-JUNE 2015 ON	0.6384409
d16on	BINARY VARIABLE-2016 ON	0.6290323
dec17on	BINARY VARIABLE-DECEMBER 2017 ON	0.5981183

KENTUCKY POWER COMPANY
 MANUFACTURING ENERGY SALES
 EXOGENOUS VARIABLES

0	y	m	g	d	J	F	D	n	d	d	j	d	P
b	a	o	r	0	a	e	e	o	d	d	u	d	I
s	r	n	p	9	n	b	c	v	0	0	n	1	C
		h	c	n	1	0	0	0	7	4	1	0	E
					2	0	0	0	0	0	0	0	
					3	0	0	0	0	0	0	0	
					4	0	0	0	0	0	0	0	
					5	0	0	0	0	0	0	0	
					6	0	0	0	0	0	0	0	
					7	0	0	0	0	0	0	0	
					8	0	0	0	0	0	0	0	
					9	0	0	0	0	0	0	0	
					0	0	0	0	0	0	0	0	
					1	0	0	0	0	0	0	0	
					1	0	0	0	0	0	0	0	
85	2000	1	1101.78	0	1	0	0	0	0	0	0	0	CONFID.
86	2000	2	1091.03	0	0	1	0	0	0	0	0	0	CONFID.
87	2000	3	1082.83	0	0	0	1	0	0	0	0	0	CONFID.
88	2000	4	1077.35	0	0	0	0	1	0	0	0	0	CONFID.
89	2000	5	1075.04	0	0	0	0	0	1	0	0	0	CONFID.
90	2000	6	1076.15	0	0	0	0	0	0	1	0	0	CONFID.
91	2000	7	1080.98	0	0	0	0	0	0	0	1	0	CONDID.
92	2000	8	1089.56	0	0	0	0	0	0	0	0	1	CONFID.
93	2000	9	1101.20	0	0	0	0	0	0	0	0	0	CONFID.
94	2000	10	1115.55	0	0	0	0	0	0	0	0	0	CONFID.
95	2000	11	1132.14	0	0	0	0	0	0	0	0	0	CONFID.
96	2000	12	1150.52	0	0	0	0	0	0	0	0	0	CONFID.
97	2001	1	1170.54	0	1	0	0	0	0	0	0	0	CONFID.
98	2001	2	1190.41	0	0	1	0	0	0	0	0	0	CONFID.
99	2001	3	1210.66	0	0	0	1	0	0	0	0	0	CONFID.
100	2001	4	1231.54	0	0	0	0	1	0	0	0	0	CONFID.
101	2001	5	1251.90	0	0	0	0	0	1	0	0	0	CONFID.
102	2001	6	1271.30	0	0	0	0	0	0	1	0	0	CONFID.
103	2001	7	1289.26	0	0	0	0	0	0	0	1	0	CONDID.
104	2001	8	1305.79	0	0	0	0	0	0	0	0	1	CONFID.
105	2001	9	1320.27	0	0	0	0	0	0	0	0	0	CONFID.
106	2001	10	1332.93	0	0	0	0	0	0	0	0	0	CONFID.
107	2001	11	1343.71	0	0	0	0	0	0	0	0	0	CONFID.
108	2001	12	1352.55	0	0	0	0	0	0	0	0	0	CONFID.
109	2002	1	1359.51	0	1	0	0	0	0	0	0	0	CONFID.
110	2002	2	1364.18	0	0	1	0	0	0	0	0	0	CONFID.
111	2002	3	1366.87	0	0	0	1	0	0	0	0	0	CONFID.
112	2002	4	1367.56	0	0	0	0	1	0	0	0	0	CONFID.
113	2002	5	1366.03	0	0	0	0	0	1	0	0	0	CONFID.
114	2002	6	1362.27	0	0	0	0	0	0	1	0	0	CONFID.
115	2002	7	1356.20	0	0	0	0	0	0	0	1	0	CONDID.
116	2002	8	1347.97	0	0	0	0	0	0	0	0	1	CONFID.
117	2002	9	1338.43	0	0	0	0	0	0	0	0	0	CONFID.
118	2002	10	1328.06	0	0	0	0	0	0	0	0	0	CONFID.
119	2002	11	1317.49	0	0	0	0	0	0	0	0	0	CONFID.
120	2002	12	1307.34	0	0	0	0	0	0	0	0	0	CONFID.
121	2003	1	1298.08	0	1	0	0	0	0	0	0	0	CONFID.
122	2003	2	1290.81	0	0	1	0	0	0	0	0	0	CONFID.
123	2003	3	1285.69	0	0	0	1	0	0	0	0	0	CONFID.
124	2003	4	1283.17	0	0	0	0	1	0	0	0	0	CONFID.
125	2003	5	1284.11	0	0	0	0	0	1	0	0	0	CONFID.
126	2003	6	1289.11	0	0	0	0	0	0	1	0	0	CONFID.

KENTUCKY POWER COMPANY
 MANUFACTURING ENERGY SALES
 EXOGENOUS VARIABLES

O b s	y e a r	m o n t h	g r p m f _ k p c	d 0 9	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	J a n 0	F e b 0	D e c 0	n o v 0	d 0	d 0	j u n 5	d 1	e 1	c 1	P R I C E	
																											0
253	2014	1	1546.33	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CONFID.
254	2014	2	1538.49	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CONFID.
255	2014	3	1530.08	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CONFID.
256	2014	4	1521.19	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CONFID.
257	2014	5	1512.51	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CONFID.
258	2014	6	1504.44	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CONFID.
259	2014	7	1497.37	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CONDID.
260	2014	8	1491.32	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CONFID.
261	2014	9	1486.29	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	CONFID.
262	2014	10	1481.96	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	CONFID.
263	2014	11	1478.09	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	CONFID.
264	2014	12	1474.46	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CONFID.
265	2015	1	1470.80	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CONFID.
266	2015	2	1467.11	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CONFID.
267	2015	3	1463.03	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CONFID.
268	2015	4	1458.18	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CONFID.
269	2015	5	1452.46	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CONFID.
270	2015	6	1445.67	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	CONFID.
271	2015	7	1437.58	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	CONDID.
272	2015	8	1427.99	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	CONFID.
273	2015	9	1417.36	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	CONFID.
274	2015	10	1405.72	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	CONFID.
275	2015	11	1393.24	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	CONFID.
276	2015	12	1380.07	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	CONFID.
277	2016	1	1366.17	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	CONFID.
278	2016	2	1352.39	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	CONFID.
279	2016	3	1338.44	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	CONFID.
280	2016	4	1324.25	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	CONFID.
281	2016	5	1310.22	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	CONFID.
282	2016	6	1296.52	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	CONFID.
283	2016	7	1283.31	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	CONDID.
284	2016	8	1270.48	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	CONFID.
285	2016	9	1258.45	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	CONFID.
286	2016	10	1247.02	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	CONFID.
287	2016	11	1236.19	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	CONFID.
288	2016	12	1225.96	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	CONFID.
289	2017	1	1216.19	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	CONFID.
290	2017	2	1207.47	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	CONFID.
291	2017	3	1199.34	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	CONFID.
292	2017	4	1191.54	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	CONFID.
293	2017	5	1184.36	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	CONFID.
294	2017	6	1177.81	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	CONFID.

KENTUCKY POWER COMPANY
 MANUFACTURING ENERGY SALES
 EXOGENOUS VARIABLES

0	y	m	g	d	d												J	F	D	n	d	j	d	e	P			
					0	1	2	3	4	5	6	7	8	9	0	1										0	0	0
b	a	t	r	p	o	d	d	d	d	d	d	d	d	d	1	1	0	0	0	0	0	0	0	0	1	1	1	I
s	r	h	c	c	n	1	2	3	4	5	6	7	8	9	0	1	0	0	0	0	0	0	0	0	1	1	1	C
																												E
379	2024	7	1204.39	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
380	2024	8	1205.02	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
381	2024	9	1205.58	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
382	2024	10	1206.09	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
383	2024	11	1206.55	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
384	2024	12	1206.97	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
385	2025	1	1207.36	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
386	2025	2	1207.70	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
387	2025	3	1208.01	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
388	2025	4	1208.32	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
389	2025	5	1208.61	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
390	2025	6	1208.90	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
391	2025	7	1209.17	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
392	2025	8	1209.46	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
393	2025	9	1209.74	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
394	2025	10	1210.03	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
395	2025	11	1210.32	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
396	2025	12	1210.62	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
397	2026	1	1210.94	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
398	2026	2	1211.25	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
399	2026	3	1211.58	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
400	2026	4	1211.94	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
401	2026	5	1212.31	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
402	2026	6	1212.71	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
403	2026	7	1213.13	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
404	2026	8	1213.59	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
405	2026	9	1214.07	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
406	2026	10	1214.58	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
407	2026	11	1215.14	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
408	2026	12	1215.73	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
409	2027	1	1216.39	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
410	2027	2	1217.05	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
411	2027	3	1217.77	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
412	2027	4	1218.56	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
413	2027	5	1219.42	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
414	2027	6	1220.33	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
415	2027	7	1221.32	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
416	2027	8	1222.39	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
417	2027	9	1223.49	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
418	2027	10	1224.65	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
419	2027	11	1225.85	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
420	2027	12	1227.08	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	

KENTUCKY POWER COMPANY
 MANUFACTURING ENERGY SALES
 EXOGENOUS VARIABLES

O b s	y e a r	m o n t h	g r p m f _ k p c	d 0 9	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	J a n 0	F e b 0	D e c 0	n o v 0	d 0	d 0	j u n 1	d 1	e 1	c 1	P R I C E
421	2028	1	1228.35	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
422	2028	2	1229.60	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
423	2028	3	1230.85	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
424	2028	4	1232.13	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
425	2028	5	1233.39	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
426	2028	6	1234.64	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
427	2028	7	1235.87	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	CONDID.	
428	2028	8	1237.08	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
429	2028	9	1238.25	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
430	2028	10	1239.39	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	CONFID.	
431	2028	11	1240.51	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	CONFID.	
432	2028	12	1241.60	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
433	2029	1	1242.68	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
434	2029	2	1243.70	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
435	2029	3	1244.69	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
436	2029	4	1245.70	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
437	2029	5	1246.70	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
438	2029	6	1247.67	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
439	2029	7	1248.63	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	CONDID.	
440	2029	8	1249.60	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
441	2029	9	1250.54	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
442	2029	10	1251.47	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	CONFID.	
443	2029	11	1252.40	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	CONFID.	
444	2029	12	1253.33	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
445	2030	1	1254.28	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
446	2030	2	1255.18	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
447	2030	3	1256.09	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
448	2030	4	1257.05	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
449	2030	5	1258.03	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
450	2030	6	1259.02	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
451	2030	7	1260.03	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	CONDID.	
452	2030	8	1261.08	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
453	2030	9	1262.14	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
454	2030	10	1263.20	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	CONFID.	
455	2030	11	1264.28	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	CONFID.	
456	2030	12	1265.37	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
457	2031	1	1266.48	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
458	2031	2	1267.53	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
459	2031	3	1268.59	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
460	2031	4	1269.68	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
461	2031	5	1270.76	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	
462	2031	6	1271.83	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.	

KENTUCKY POWER COMPANY
 MANUFACTURING ENERGY SALES
 EXOGENOUS VARIABLES

O b s	y e a r	m o n t h	g r p m f _ k p c	d 0 9	d 1	d 2	d 3	d 4	d 5	d 6	d 7	d 8	d 9	d 10	d 11	J a n 0	F e b 0	D e c 0	n o v 7	d 0	d 0	j u n 1	d 1	e c 1	P R I C E
547	2038	7	1375.25	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	CONDID.
548	2038	8	1376.54	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.
549	2038	9	1377.80	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	CONFID.
550	2038	10	1379.06	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	CONFID.
551	2038	11	1380.33	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	CONFID.
552	2038	12	1381.58	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.
553	2039	1	1382.86	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.
554	2039	2	1384.08	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.
555	2039	3	1385.30	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.
556	2039	4	1386.57	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.
557	2039	5	1387.84	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.
558	2039	6	1389.12	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.
559	2039	7	1390.40	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	CONDID.
560	2039	8	1391.72	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.
561	2039	9	1393.01	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	CONFID.
562	2039	10	1394.30	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	CONFID.
563	2039	11	1395.60	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	CONFID.
564	2039	12	1396.89	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.
565	2040	1	1398.20	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.
566	2040	2	1399.46	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.
567	2040	3	1400.71	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.
568	2040	4	1401.97	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.
569	2040	5	1403.22	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.
570	2040	6	1404.46	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.
571	2040	7	1405.68	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	CONDID.
572	2040	8	1406.90	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.
573	2040	9	1408.08	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	CONFID.
574	2040	10	1409.26	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	CONFID.
575	2040	11	1410.42	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	CONFID.
576	2040	12	1411.57	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.
577	2041	1	1412.74	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.
578	2041	2	1413.84	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.
579	2041	3	1414.93	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.
580	2041	4	1416.07	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.
581	2041	5	1417.20	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.
582	2041	6	1418.33	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.
583	2041	7	1419.48	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	CONDID.
584	2041	8	1420.64	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.
585	2041	9	1421.78	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	CONFID.
586	2041	10	1422.93	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	CONFID.
587	2041	11	1424.08	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	CONFID.
588	2041	12	1425.22	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	CONFID.

KENTUCKY POWER COMPANY
 MANUFACTURING ENERGY SALES
 MODEL ESTIMATION

The SYSLIN Procedure
 Ordinary Least Squares Estimation

Model LEIX
 Dependent Variable LEIX

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	22	2.016153	0.091643	16.17	<.0001
Error	290	1.643907	0.005669		
Corrected Total	312	3.660060			

Root MSE	0.07529	R-Square	0.55085
Dependent Mean	5.14993	Adj R-Sq	0.51678
Coeff Var	1.46197		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variable Label
Intercept	1	4.814689	0.463612	10.39	<.0001	Intercept
LPIX36	1	-0.17332	0.054528	-3.18	0.0016	MANUF. ELEC. PRICE, 36-MONTH MOVING AVE., LOG
lgrpmf	1	0.136882	0.058216	2.35	0.0194	GROSS REGIONAL PRODUCT- MANUFACTURING, LOG
d011	1	0.421436	0.077376	5.45	<.0001	BINARY VARIABLE-2001 1ST QTR
d1	1	-0.03752	0.021354	-1.76	0.0800	BINARY VARIABLE-JANUARY
d2	1	-0.10835	0.021359	-5.07	<.0001	BINARY VARIABLE-FEBRUARY
d3	1	-0.06837	0.021150	-3.23	0.0014	BINARY VARIABLE-MARCH
d4	1	-0.04805	0.021150	-2.27	0.0238	BINARY VARIABLE-APRIL
d5	1	-0.03302	0.021148	-1.56	0.1195	BINARY VARIABLE-MAY
d6	1	-0.03276	0.021119	-1.55	0.1219	BINARY VARIABLE-JUNE
d7	1	-0.03552	0.021118	-1.68	0.0937	BINARY VARIABLE-JULY
d8	1	-0.02387	0.021118	-1.13	0.2594	BINARY VARIABLE-AUGUST
d9	1	-0.06419	0.021119	-3.04	0.0026	BINARY VARIABLE-SEPTEMBER

KENTUCKY POWER COMPANY
 MANUFACTURING ENERGY SALES
 MODEL ESTIMATION

The SYSLIN Procedure
 Ordinary Least Squares Estimation

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variable Label
d10	1	-0.04736	0.021119	-2.24	0.0257	BINARY VARIABLE - OCTOBER
d11	1	-0.06122	0.021328	-2.87	0.0044	BINARY VARIABLE - NOVEMBER
Jan00	1	-0.54672	0.077761	-7.03	<.0001	BINARY VARIABLE - JANUARY 2000
Feb00	1	0.435109	0.077776	5.59	<.0001	BINARY VARIABLE - FEBRUARY 2000
Dec00	1	-0.64888	0.077383	-8.39	<.0001	BINARY VARIABLE - DECEMBER 2000
d09on	1	0.157012	0.021175	7.41	<.0001	BINARY VARIABLE - 2009 ON
nov07	1	-0.22613	0.077078	-2.93	0.0036	BINARY VARIABLE - NOVEMBER 2007
jun15on	1	-0.06103	0.030010	-2.03	0.0429	BINARY VARIABLE - JUNE 2015 ON
d16on	1	-0.01405	0.033761	-0.42	0.6776	BINARY VARIABLE - 2016 ON
dec17on	1	0.026559	0.025983	1.02	0.3076	BINARY VARIABLE - DECEMBER 2017 ON

Durbin-Watson	0.626212
Number of Observations	313
First-Order Autocorrelation	0.680006

KENTUCKY POWER COMPANY
 MANUFACTURING ENERGY SALES
 MODEL RESIDUALS

time		Residual Values
		Sum
1993.000000	*****	-0.150180
1993.0833333	*****	-0.137505
1993.1666667	*****	-0.187705
1993.2500000	*****	-0.167652
1993.3333333	*****	-0.123013
1993.4166667	*****	-0.148392
1993.5000000	*****	-0.191781
1993.5833333	*****	-0.097315
1993.6666667	*****	-0.172752
1993.7500000	*****	-0.061071
1993.8333333	*****	-0.153866
1993.9166667	*****	-0.138744
1994.0000000	*****	-0.102706
1994.0833333	*****	-0.208498
1994.1666667	*****	-0.183193
1994.2500000	*****	-0.121473
1994.3333333	*****	-0.089145
1994.4166667	*****	-0.100521
1994.5000000	*****	-0.093237
1994.5833333	*****	-0.094628
1994.6666667	*****	-0.078144
1994.7500000	*****	-0.073394
1994.8333333	*****	-0.090287
1994.9166667	*****	-0.088472
1995.0000000	****	-0.035631
1995.0833333	****	-0.051848
1995.1666667	***	-0.025976
1995.2500000	*****	-0.106472
1995.3333333	****	-0.044724
1995.4166667	***	-0.033966
1995.5000000	**	-0.019936
1995.5833333	*	-0.013799
1995.6666667	*****	-0.052645
1995.7500000	***	0.029800
1995.8333333	*****	-0.046872
1995.9166667	**	0.021579
1996.0000000	*****	-0.108960
1996.0833333	**	0.024325
1996.1666667	*	-0.011512
1996.2500000	*	0.013531
1996.3333333	***	0.025887
1996.4166667		-0.003596
1996.5000000	*****	-0.052016
1996.5833333	***	-0.026271
1996.6666667	*****	0.066440
1996.7500000	****	-0.038875
1996.8333333	*	0.007217
1996.9166667	*****	0.086243
1997.0000000	****	0.035738

KENTUCKY POWER COMPANY
 MANUFACTURING ENERGY SALES
 MODEL RESIDUALS

1997.0833333		**	0.020916
1997.1666667	*****		-0.068849
1997.2500000		*****	0.126206
1997.3333333		*	-0.010462
1997.4166667	****		-0.041935
1997.5000000		****	0.038391
1997.5833333	*****		-0.084077
1997.6666667		**	0.023903
1997.7500000		***	0.025334
1997.8333333		*	-0.007925
1997.9166667			0.002427
1998.0000000		*****	0.052300
1998.0833333		**	0.023932
1998.1666667		**	0.016153
1998.2500000		***	0.025808
1998.3333333			-0.002130
1998.4166667	****		-0.044929
1998.5000000		**	-0.024286
1998.5833333		***	-0.033974
1998.6666667		***	-0.033260
1998.7500000		*	0.010739
1998.8333333		***	-0.026825
1998.9166667			-0.004913
1999.0000000	****		-0.037164
1999.0833333		**	-0.024196
1999.1666667		*****	0.045550
1999.2500000		****	0.040369
1999.3333333		*	-0.009064
1999.4166667			-0.003263
1999.5000000			0.000673
1999.5833333		*	0.010815
1999.6666667		**	0.018481
1999.7500000	*****		-0.094905
1999.8333333	*****		-0.054641
1999.9166667		****	0.035976
2000.0000000			0.000000
2000.0833333			0.000000
2000.1666667		*****	0.097314
2000.2500000		*****	0.072420
2000.3333333		**	0.023415
2000.4166667		*****	0.056819
2000.5000000		*****	0.049024
2000.5833333		****	0.039634
2000.6666667		****	0.041539
2000.7500000		*	-0.006198
2000.8333333		**	0.017337
2000.9166667			0.000000
2001.0000000			0.000000
2001.0833333	***		-0.025442
2001.1666667		*	-0.005699
2001.2500000		**	-0.024638
2001.3333333		*	0.010147

KENTUCKY POWER COMPANY
MANUFACTURING ENERGY SALES
MODEL RESIDUALS

2001.4166667	**	-0.018758
2001.5000000	**	0.021353
2001.5833333	*	0.008122
2001.6666667	*****	-0.051067
2001.7500000	**	-0.020142
2001.8333333	*	-0.009233
2001.9166667	*****	-0.065340
2002.0000000	*****	-0.059935
2002.0833333	**	-0.023343
2002.1666667	***	-0.028190
2002.2500000	**	0.016480
2002.3333333	*	-0.010658
2002.4166667	****	-0.043464
2002.5000000	*	0.012616
2002.5833333	*	0.008960
2002.6666667	*	-0.007209
2002.7500000	*	0.013072
2002.8333333	*	0.008926
2002.9166667	****	-0.035577
2003.0000000	*****	-0.066270
2003.0833333	*****	-0.109967
2003.1666667	*****	-0.067253
2003.2500000	*****	-0.154097
2003.3333333	*****	-0.117026
2003.4166667	*****	-0.144813
2003.5000000	*****	-0.137278
2003.5833333	*****	-0.085173
2003.6666667	*****	-0.107018
2003.7500000	****	-0.037822
2003.8333333	*****	-0.093032
2003.9166667	*****	-0.179854
2004.0000000	*****	-0.151368
2004.0833333	*****	-0.066609
2004.1666667	****	0.038240
2004.2500000	*****	-0.111807
2004.3333333	*****	0.073843
2004.4166667	**	0.018674
2004.5000000	*****	0.058838
2004.5833333	***	0.032358
2004.6666667	****	-0.041988
2004.7500000	*****	0.058713
2004.8333333	*****	0.071229
2004.9166667	*****	0.076915
2005.0000000	*****	0.087605
2005.0833333	*****	0.130812
2005.1666667	*	-0.011139
2005.2500000	*****	0.068923
2005.3333333	*****	0.065661
2005.4166667	*****	0.082694
2005.5000000	*****	0.047401
2005.5833333	*****	0.074543
2005.6666667	*****	0.108187

KENTUCKY POWER COMPANY
 MANUFACTURING ENERGY SALES
 MODEL RESIDUALS

2005.750000		*****	0.158820
2005.833333		*****	0.139601
2005.916667		*****	0.121042
2006.000000		*****	0.103707
2006.083333		*****	0.159570
2006.166667		*****	0.087359
2006.250000		*****	0.074675
2006.333333		*****	0.090454
2006.416667		*****	0.080556
2006.500000		*****	0.049181
2006.583333		*****	0.090674
2006.666667		*****	0.133567
2006.750000		*	0.012477
2006.833333		*****	0.080772
2006.916667		*****	0.073330
2007.000000		*****	0.129991
2007.083333		*	0.014826
2007.166667		*****	0.139037
2007.250000		*****	0.138287
2007.333333		*****	0.124341
2007.416667		*****	0.132144
2007.500000		*****	0.135951
2007.583333		*****	0.125361
2007.666667	***		-0.025901
2007.750000		*****	0.056738
2007.833333			0.000000
2007.916667		*****	0.091519
2008.000000		*****	0.136662
2008.083333		*****	0.147436
2008.166667		*****	0.131566
2008.250000		*****	0.083491
2008.333333		*****	0.141836
2008.416667		*****	0.114561
2008.500000		*****	0.142061
2008.583333		*****	0.116011
2008.666667		*****	0.160944
2008.750000		*****	0.138742
2008.833333		*****	0.139179
2008.916667		*****	0.059857
2009.000000	*****		-0.083627
2009.083333	*****		-0.078711
2009.166667			-0.003386
2009.250000	**		-0.016484
2009.333333	*****		-0.079477
2009.416667	*****		-0.071604
2009.500000	****		-0.037897
2009.583333	*****		-0.095617
2009.666667	****		-0.035035
2009.750000		*****	0.089316
2009.833333	*****		-0.066271
2009.916667	***		-0.030447
2010.000000	*		-0.013766

KENTUCKY POWER COMPANY
 MANUFACTURING ENERGY SALES
 MODEL RESIDUALS

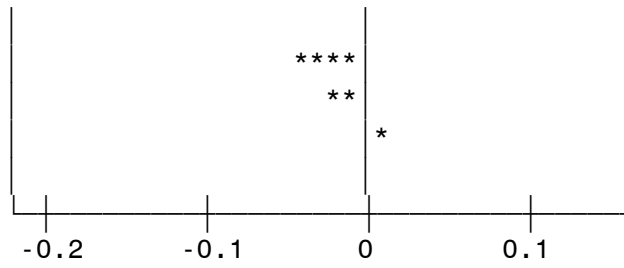
2010.0833333		**	0.022150
2010.1666667	****		-0.043286
2010.2500000	****		-0.040178
2010.3333333	*****		-0.063747
2010.4166667	*****		0.065481
2010.5000000	****		-0.038366
2010.5833333	*****		0.098790
2010.6666667	*****		0.045376
2010.7500000	****		-0.042052
2010.8333333	*****		0.121861
2010.9166667	***		0.033519
2011.0000000	*****		0.081067
2011.0833333	*****		0.118272
2011.1666667	*		-0.005548
2011.2500000	*****		0.054629
2011.3333333	****		0.043725
2011.4166667	*****		0.085609
2011.5000000	*****		0.069368
2011.5833333			-0.002619
2011.6666667	*****		0.051668
2011.7500000	*		0.007090
2011.8333333	*****		0.058204
2011.9166667	****		0.041831
2012.0000000	*****		0.072076
2012.0833333	*****		0.091748
2012.1666667	*****		0.049683
2012.2500000	*****		0.052117
2012.3333333	*****		0.046778
2012.4166667	***		0.031920
2012.5000000	****		-0.037804
2012.5833333	*		0.012390
2012.6666667	**		0.024170
2012.7500000	****		0.044495
2012.8333333	****		0.036854
2012.9166667	***		-0.028567
2013.0000000	*****		0.046187
2013.0833333	*****		-0.065224
2013.1666667	*****		-0.047332
2013.2500000	*		0.011641
2013.3333333	***		-0.025452
2013.4166667	***		-0.027243
2013.5000000	*		-0.007165
2013.5833333	****		-0.042064
2013.6666667	****		-0.040664
2013.7500000	*****		-0.075695
2013.8333333	*		-0.012249
2013.9166667	***		-0.025426
2014.0000000	**		0.021520
2014.0833333	**		-0.019125
2014.1666667	***		-0.032472
2014.2500000	*		-0.009024
2014.3333333	**		0.017458

KENTUCKY POWER COMPANY
 MANUFACTURING ENERGY SALES
 MODEL RESIDUALS

2014.4166667	***	-0.025445
2014.5000000	***	-0.031418
2014.5833333	*	0.009174
2014.6666667	*****	-0.105738
2014.7500000	*****	-0.140099
2014.8333333	*	-0.008751
2014.9166667	*	-0.014832
2015.0000000	****	0.035355
2015.0833333	*	-0.007247
2015.1666667	**	0.019832
2015.2500000	*	-0.009837
2015.3333333	**	-0.024363
2015.4166667	***	0.029924
2015.5000000	*****	0.048350
2015.5833333	*****	-0.057649
2015.6666667	***	0.030131
2015.7500000		-0.003960
2015.8333333	***	-0.026002
2015.9166667	**	-0.020794
2016.0000000	*****	-0.058982
2016.0833333	*	0.008327
2016.1666667	*****	0.063530
2016.2500000		-0.002680
2016.3333333		-0.003757
2016.4166667	**	-0.022961
2016.5000000	*****	-0.047062
2016.5833333	*	-0.007668
2016.6666667	**	0.022656
2016.7500000		0.002866
2016.8333333	**	-0.017510
2016.9166667	*	-0.005057
2017.0000000	***	0.026990
2017.0833333	*****	0.049752
2017.1666667	**	0.018422
2017.2500000	*	0.013542
2017.3333333	*****	-0.054640
2017.4166667	*****	0.054608
2017.5000000	*	0.014463
2017.5833333	**	0.016400
2017.6666667	*	0.005809
2017.7500000	*****	-0.052529
2017.8333333	**	-0.024518
2017.9166667	*	0.010105
2018.0000000	***	0.029694
2018.0833333	*	0.005651
2018.1666667	*	0.014855
2018.2500000	***	-0.027775
2018.3333333	*	-0.005888
2018.4166667	**	-0.022101
2018.5000000	***	0.030577
2018.5833333		-0.002377
2018.6666667	**	0.018548

KENTUCKY POWER COMPANY
MANUFACTURING ENERGY SALES
MODEL RESIDUALS

2018.750000
2018.8333333
2018.9166667
2019.0000000



-0.001462
-0.043199
-0.016321
0.009694

Residual Values

KENTUCKY POWER COMPANY
 MANUFACTURING ENERGY SALES
 ACTUAL AND FORECAST

year	ENERGY SALES	GROWTH RATE	BASE ENERGY	ADDITIONS
1993	1701.707	.	1701.71	0.00
1994	1763.534	3.6	1763.53	0.00
1995	1906.316	8.1	1906.32	0.00
1996	1981.449	3.9	1981.45	0.00
1997	2021.587	2.0	2021.59	0.00
1998	2035.771	0.7	2035.77	0.00
1999	2002.953	-1.6	2002.95	0.00
2000	1983.793	-1.0	1983.79	0.00
2001	2095.422	5.6	2095.42	0.00
2002	2037.013	-2.8	2037.01	0.00
2003	1851.228	-9.1	1851.23	0.00
2004	2101.861	13.5	2101.86	0.00
2005	2242.74	6.7	2242.74	0.00
2006	2213.132	-1.3	2213.13	0.00
2007	2146.443	-3.0	2146.44	0.00
2008	2258.717	5.2	2258.72	0.00
2009	2193.605	-2.9	2193.61	0.00
2010	2272.777	3.6	2272.78	0.00
2011	2300.478	1.2	2300.48	0.00
2012	2290.253	-0.4	2290.25	0.00
2013	2209.836	-3.5	2209.84	0.00
2014	2198.095	-0.5	2198.09	0.00
2015	2175.078	-1.0	2175.08	0.00
2016	2032.33	-6.6	2032.33	0.00
2017	2030.965	-0.1	2030.97	0.00
2018	2049.125	0.9	2049.12	0.00
2019	2070.771	1.1	2067.97	2.80
2020	2028.403	-2.0	2077.60	-49.20
2021	2035.386	0.3	2084.59	-49.20
2022	2158.952	6.1	2084.71	74.24
2023	2220.893	2.9	2084.93	135.96
2024	2225.378	0.2	2089.42	135.96
2025	2227.734	0.1	2091.77	135.96
2026	2228.178	0.0	2092.22	135.96
2027	2229.256	0.0	2093.30	135.96
2028	2231.996	0.1	2096.04	135.96
2029	2235.092	0.1	2099.13	135.96
2030	2238.184	0.1	2102.22	135.96
2031	2241.705	0.2	2105.74	135.96
2032	2244.881	0.1	2108.92	135.96
2033	2247.861	0.1	2111.90	135.96
2034	2250.529	0.1	2114.57	135.96
2035	2252.951	0.1	2116.99	135.96
2036	2255.458	0.1	2119.50	135.96
2037	2257.833	0.1	2121.87	135.96
2038	2260.09	0.1	2124.13	135.96
2039	2262.479	0.1	2126.52	135.96
2040	2265.877	0.2	2129.92	135.96

KENTUCKY POWER COMPANY
MANUFACTURING ENERGY SALES
ACTUAL AND FORECAST

year	ENERGY SALES	GROWTH RATE	BASE ENERGY	ADDITIONS
2041	2269.079	0.1	2133.12	135.96
2042	2271.344	0.1	2135.38	135.96
2043	2272.463	0.0	2136.50	135.96
2044	2273.341	0.0	2137.38	135.96
2045	2274.157	0.0	2138.20	135.96
2046	2274.265	0.0	2138.30	135.96
2047	2273.431	0.0	2137.47	135.96
2048	2271.827	-0.1	2135.87	135.96
2049	2269.765	-0.1	2133.80	135.96
2050	2267.362	-0.1	2131.40	135.96
2051	2264.918	-0.1	2128.96	135.96
2052	2262.594	-0.1	2126.63	135.96
2053	2260.33	-0.1	2124.37	135.96
2054	2258.077	-0.1	2122.12	135.96

The MEANS Procedure

Variable	Label	Mean
YEAR	Year	2022.50
MONTH	Month	6.500000
eim_kpc	BILLED KWH	77.6500699

KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	eim_kpc
1	1991	1	100.959
2	1991	2	96.584
3	1991	3	101.568
4	1991	4	80.727
5	1991	5	79.507
6	1991	6	74.023
7	1991	7	68.911
8	1991	8	81.209
9	1991	9	77.303
10	1991	10	91.054
11	1991	11	98.104
12	1991	12	89.934
13	1992	1	95.55
14	1992	2	93.839
15	1992	3	101.599
16	1992	4	83.335
17	1992	5	86.019
18	1992	6	79.052
19	1992	7	70.209
20	1992	8	83.37
21	1992	9	78.493
22	1992	10	92.909
23	1992	11	98.326
24	1992	12	94.756
25	1993	1	95.406
26	1993	2	95.78
27	1993	3	94.861
28	1993	4	84.263
29	1993	5	87.13
30	1993	6	83.606
31	1993	7	73.267
32	1993	8	92.045
33	1993	9	79.528
34	1993	10	97.183
35	1993	11	97.2
36	1993	12	104.274
37	1994	1	91.723
38	1994	2	92.397
39	1994	3	104.694
40	1994	4	88.911
41	1994	5	93.444
42	1994	6	86.784
43	1994	7	73.243
44	1994	8	90.893
45	1994	9	84.663
46	1994	10	97.832
47	1994	11	97.881
48	1994	12	103.9
49	1995	1	102.964
50	1995	2	105.988

KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	eim_kpc
51	1995	3	103.948
52	1995	4	89.673
53	1995	5	89.515
54	1995	6	85.16
55	1995	7	71.927
56	1995	8	87.848
57	1995	9	80.346
58	1995	10	93.618
59	1995	11	92.724
60	1995	12	70.205
61	1996	1	77.95387
62	1996	2	103.9298
63	1996	3	124.4635
64	1996	4	98.33572
65	1996	5	79.12167
66	1996	6	83.37279
67	1996	7	75.89704
68	1996	8	82.00609
69	1996	9	84.54816
70	1996	10	89.34102
71	1996	11	93.25423
72	1996	12	107.3754
73	1997	1	106.1674
74	1997	2	98.97518
75	1997	3	93.21221
76	1997	4	95.42031
77	1997	5	85.69284
78	1997	6	82.70721
79	1997	7	72.22689
80	1997	8	83.52348
81	1997	9	81.06522
82	1997	10	88.65184
83	1997	11	91.69201
84	1997	12	104.3091
85	1998	1	102.8979
86	1998	2	93.63465
87	1998	3	101.4568
88	1998	4	96.97054
89	1998	5	85.82632
90	1998	6	79.83072
91	1998	7	80.81526
92	1998	8	85.29517
93	1998	9	89.30097
94	1998	10	85.52618
95	1998	11	95.17848
96	1998	12	128.5964
97	1999	1	108.0186
98	1999	2	68.66917
99	1999	3	102.0266
100	1999	4	88.77698

KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	eim_kpc
101	1999	5	77.05097
102	1999	6	80.65232
103	1999	7	79.7579
104	1999	8	81.67579
105	1999	9	90.11362
106	1999	10	83.20526
107	1999	11	92.81029
108	1999	12	101.0518
109	2000	1	99.01423
110	2000	2	94.45969
111	2000	3	91.62786
112	2000	4	87.87582
113	2000	5	86.05116
114	2000	6	84.60195
115	2000	7	74.38625
116	2000	8	75.58774
117	2000	9	94.53516
118	2000	10	87.25979
119	2000	11	88.67174
120	2000	12	100.1992
121	2001	1	106.471
122	2001	2	102.0158
123	2001	3	99.79966
124	2001	4	97.09157
125	2001	5	89.23784
126	2001	6	93.43264
127	2001	7	81.25867
128	2001	8	84.97676
129	2001	9	87.97366
130	2001	10	91.33512
131	2001	11	97.93234
132	2001	12	99.98147
133	2002	1	115.2338
134	2002	2	107.9956
135	2002	3	102.6585
136	2002	4	97.52882
137	2002	5	89.21191
138	2002	6	74.5973
139	2002	7	80.67338
140	2002	8	85.34224
141	2002	9	87.63202
142	2002	10	87.64465
143	2002	11	89.80377
144	2002	12	101.756
145	2003	1	103.9288
146	2003	2	98.68114
147	2003	3	100.3492
148	2003	4	85.39487
149	2003	5	84.79943
150	2003	6	84.56019

KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	eim_kpc
151	2003	7	78.92941
152	2003	8	82.53522
153	2003	9	86.45587
154	2003	10	86.96065
155	2003	11	92.62556
156	2003	12	98.61108
157	2004	1	100.4676
158	2004	2	99.8061
159	2004	3	96.22331
160	2004	4	94.65702
161	2004	5	86.30594
162	2004	6	83.51984
163	2004	7	76.92519
164	2004	8	83.03046
165	2004	9	80.82713
166	2004	10	84.52747
167	2004	11	86.78979
168	2004	12	97.20134
169	2005	1	98.95571
170	2005	2	98.12897
171	2005	3	104.3626
172	2005	4	91.97927
173	2005	5	85.67108
174	2005	6	92.28061
175	2005	7	77.4401
176	2005	8	81.72998
177	2005	9	85.47393
178	2005	10	83.80043
179	2005	11	92.18736
180	2005	12	109.5176
181	2006	1	100.4476
182	2006	2	101.211
183	2006	3	101.4244
184	2006	4	93.84795
185	2006	5	84.70125
186	2006	6	87.67726
187	2006	7	78.48968
188	2006	8	82.98024
189	2006	9	89.06848
190	2006	10	87.69699
191	2006	11	95.03823
192	2006	12	100.8929
193	2007	1	95.46715
194	2007	2	102.1168
195	2007	3	95.19584
196	2007	4	90.24897
197	2007	5	83.95004
198	2007	6	80.13579
199	2007	7	73.12316
200	2007	8	77.78405

KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	eim_kpc
201	2007	9	80.71474
202	2007	10	79.4499
203	2007	11	86.23904
204	2007	12	90.81579
205	2008	1	98.16826
206	2008	2	96.07293
207	2008	3	92.16852
208	2008	4	90.69174
209	2008	5	85.78084
210	2008	6	83.7846
211	2008	7	76.43998
212	2008	8	81.76287
213	2008	9	83.36639
214	2008	10	84.26411
215	2008	11	92.78908
216	2008	12	101.2511
217	2009	1	103.8165
218	2009	2	100.5127
219	2009	3	98.9621
220	2009	4	91.0149
221	2009	5	80.69829
222	2009	6	75.55801
223	2009	7	67.03683
224	2009	8	70.59886
225	2009	9	76.00072
226	2009	10	76.3624
227	2009	11	79.66078
228	2009	12	86.03809
229	2010	1	88.28184
230	2010	2	90.67571
231	2010	3	87.60719
232	2010	4	84.81032
233	2010	5	88.67911
234	2010	6	78.01446
235	2010	7	72.15536
236	2010	8	69.97036
237	2010	9	73.14796
238	2010	10	75.94689
239	2010	11	79.20071
240	2010	12	90.51848
241	2011	1	90.825
242	2011	2	87.99581
243	2011	3	84.22178
244	2011	4	80.40873
245	2011	5	76.74738
246	2011	6	79.49369
247	2011	7	72.42958
248	2011	8	72.5754
249	2011	9	76.23073
250	2011	10	71.12652

KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	eim_kpc
251	2011	11	82.28946
252	2011	12	87.50144
253	2012	1	85.43714
254	2012	2	85.10615
255	2012	3	77.67679
256	2012	4	69.83142
257	2012	5	64.98253
258	2012	6	62.42109
259	2012	7	51.55809
260	2012	8	53.14382
261	2012	9	55.79761
262	2012	10	53.45102
263	2012	11	58.01086
264	2012	12	61.9607
265	2013	1	64.97626
266	2013	2	67.17776
267	2013	3	64.23484
268	2013	4	62.44188
269	2013	5	54.43852
270	2013	6	50.88608
271	2013	7	48.00306
272	2013	8	51.21968
273	2013	9	51.5112
274	2013	10	48.4603
275	2013	11	50.26028
276	2013	12	57.23695
277	2014	1	57.83786
278	2014	2	56.71688
279	2014	3	57.45931
280	2014	4	53.18138
281	2014	5	50.05405
282	2014	6	48.01928
283	2014	7	43.19406
284	2014	8	45.89738
285	2014	9	46.65688
286	2014	10	46.49716
287	2014	11	51.35572
288	2014	12	56.9766
289	2015	1	57.16899
290	2015	2	52.96046
291	2015	3	52.4966
292	2015	4	50.76371
293	2015	5	44.45613
294	2015	6	43.34808
295	2015	7	38.85504
296	2015	8	39.16827
297	2015	9	39.33776
298	2015	10	38.77151
299	2015	11	40.52312
300	2015	12	38.6796

KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	eim_kpc
301	2016	1	40.8571
302	2016	2	36.92073
303	2016	3	36.49833
304	2016	4	32.86612
305	2016	5	26.97334
306	2016	6	26.36284
307	2016	7	23.44261
308	2016	8	24.73878
309	2016	9	25.81531
310	2016	10	26.40473
311	2016	11	29.07746
312	2016	12	35.77722
313	2017	1	36.68551
314	2017	2	35.41074
315	2017	3	34.24738
316	2017	4	31.05313
317	2017	5	28.58064
318	2017	6	28.51273
319	2017	7	26.88782
320	2017	8	27.86696
321	2017	9	27.99178
322	2017	10	27.47722
323	2017	11	29.14981
324	2017	12	35.13858
325	2018	1	34.61934
326	2018	2	32.7577
327	2018	3	31.59653
328	2018	4	31.43429
329	2018	5	28.23069
330	2018	6	27.63781
331	2018	7	24.30237
332	2018	8	26.02329
333	2018	9	26.67814
334	2018	10	25.98144
335	2018	11	28.70272
336	2018	12	33.37786
337	2019	1	32.98213
338	2019	2	.
339	2019	3	.
340	2019	4	.
341	2019	5	.
342	2019	6	.
343	2019	7	.
344	2019	8	.
345	2019	9	.
346	2019	10	.
347	2019	11	.
348	2019	12	.
349	2020	1	.
350	2020	2	.

KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	eim_kpc
351	2020	3	.
352	2020	4	.
353	2020	5	.
354	2020	6	.
355	2020	7	.
356	2020	8	.
357	2020	9	.
358	2020	10	.
359	2020	11	.
360	2020	12	.
361	2021	1	.
362	2021	2	.
363	2021	3	.
364	2021	4	.
365	2021	5	.
366	2021	6	.
367	2021	7	.
368	2021	8	.
369	2021	9	.
370	2021	10	.
371	2021	11	.
372	2021	12	.
373	2022	1	.
374	2022	2	.
375	2022	3	.
376	2022	4	.
377	2022	5	.
378	2022	6	.
379	2022	7	.
380	2022	8	.
381	2022	9	.
382	2022	10	.
383	2022	11	.
384	2022	12	.
385	2023	1	.
386	2023	2	.
387	2023	3	.
388	2023	4	.
389	2023	5	.
390	2023	6	.
391	2023	7	.
392	2023	8	.
393	2023	9	.
394	2023	10	.
395	2023	11	.
396	2023	12	.
397	2024	1	.
398	2024	2	.
399	2024	3	.
400	2024	4	.

KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	eim_kpc
401	2024	5	.
402	2024	6	.
403	2024	7	.
404	2024	8	.
405	2024	9	.
406	2024	10	.
407	2024	11	.
408	2024	12	.
409	2025	1	.
410	2025	2	.
411	2025	3	.
412	2025	4	.
413	2025	5	.
414	2025	6	.
415	2025	7	.
416	2025	8	.
417	2025	9	.
418	2025	10	.
419	2025	11	.
420	2025	12	.
421	2026	1	.
422	2026	2	.
423	2026	3	.
424	2026	4	.
425	2026	5	.
426	2026	6	.
427	2026	7	.
428	2026	8	.
429	2026	9	.
430	2026	10	.
431	2026	11	.
432	2026	12	.
433	2027	1	.
434	2027	2	.
435	2027	3	.
436	2027	4	.
437	2027	5	.
438	2027	6	.
439	2027	7	.
440	2027	8	.
441	2027	9	.
442	2027	10	.
443	2027	11	.
444	2027	12	.
445	2028	1	.
446	2028	2	.
447	2028	3	.
448	2028	4	.
449	2028	5	.
450	2028	6	.

KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	eim_kpc
451	2028	7	.
452	2028	8	.
453	2028	9	.
454	2028	10	.
455	2028	11	.
456	2028	12	.
457	2029	1	.
458	2029	2	.
459	2029	3	.
460	2029	4	.
461	2029	5	.
462	2029	6	.
463	2029	7	.
464	2029	8	.
465	2029	9	.
466	2029	10	.
467	2029	11	.
468	2029	12	.
469	2030	1	.
470	2030	2	.
471	2030	3	.
472	2030	4	.
473	2030	5	.
474	2030	6	.
475	2030	7	.
476	2030	8	.
477	2030	9	.
478	2030	10	.
479	2030	11	.
480	2030	12	.
481	2031	1	.
482	2031	2	.
483	2031	3	.
484	2031	4	.
485	2031	5	.
486	2031	6	.
487	2031	7	.
488	2031	8	.
489	2031	9	.
490	2031	10	.
491	2031	11	.
492	2031	12	.
493	2032	1	.
494	2032	2	.
495	2032	3	.
496	2032	4	.
497	2032	5	.
498	2032	6	.
499	2032	7	.
500	2032	8	.

KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	eim_kpc
501	2032	9	.
502	2032	10	.
503	2032	11	.
504	2032	12	.
505	2033	1	.
506	2033	2	.
507	2033	3	.
508	2033	4	.
509	2033	5	.
510	2033	6	.
511	2033	7	.
512	2033	8	.
513	2033	9	.
514	2033	10	.
515	2033	11	.
516	2033	12	.
517	2034	1	.
518	2034	2	.
519	2034	3	.
520	2034	4	.
521	2034	5	.
522	2034	6	.
523	2034	7	.
524	2034	8	.
525	2034	9	.
526	2034	10	.
527	2034	11	.
528	2034	12	.
529	2035	1	.
530	2035	2	.
531	2035	3	.
532	2035	4	.
533	2035	5	.
534	2035	6	.
535	2035	7	.
536	2035	8	.
537	2035	9	.
538	2035	10	.
539	2035	11	.
540	2035	12	.
541	2036	1	.
542	2036	2	.
543	2036	3	.
544	2036	4	.
545	2036	5	.
546	2036	6	.
547	2036	7	.
548	2036	8	.
549	2036	9	.
550	2036	10	.

KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	eim_kpc
551	2036	11	.
552	2036	12	.
553	2037	1	.
554	2037	2	.
555	2037	3	.
556	2037	4	.
557	2037	5	.
558	2037	6	.
559	2037	7	.
560	2037	8	.
561	2037	9	.
562	2037	10	.
563	2037	11	.
564	2037	12	.
565	2038	1	.
566	2038	2	.
567	2038	3	.
568	2038	4	.
569	2038	5	.
570	2038	6	.
571	2038	7	.
572	2038	8	.
573	2038	9	.
574	2038	10	.
575	2038	11	.
576	2038	12	.
577	2039	1	.
578	2039	2	.
579	2039	3	.
580	2039	4	.
581	2039	5	.
582	2039	6	.
583	2039	7	.
584	2039	8	.
585	2039	9	.
586	2039	10	.
587	2039	11	.
588	2039	12	.
589	2040	1	.
590	2040	2	.
591	2040	3	.
592	2040	4	.
593	2040	5	.
594	2040	6	.
595	2040	7	.
596	2040	8	.
597	2040	9	.
598	2040	10	.
599	2040	11	.
600	2040	12	.

KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	eim_kpc
601	2041	1	.
602	2041	2	.
603	2041	3	.
604	2041	4	.
605	2041	5	.
606	2041	6	.
607	2041	7	.
608	2041	8	.
609	2041	9	.
610	2041	10	.
611	2041	11	.
612	2041	12	.
613	2042	1	.
614	2042	2	.
615	2042	3	.
616	2042	4	.
617	2042	5	.
618	2042	6	.
619	2042	7	.
620	2042	8	.
621	2042	9	.
622	2042	10	.
623	2042	11	.
624	2042	12	.
625	2043	1	.
626	2043	2	.
627	2043	3	.
628	2043	4	.
629	2043	5	.
630	2043	6	.
631	2043	7	.
632	2043	8	.
633	2043	9	.
634	2043	10	.
635	2043	11	.
636	2043	12	.
637	2044	1	.
638	2044	2	.
639	2044	3	.
640	2044	4	.
641	2044	5	.
642	2044	6	.
643	2044	7	.
644	2044	8	.
645	2044	9	.
646	2044	10	.
647	2044	11	.
648	2044	12	.
649	2045	1	.
650	2045	2	.

KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	eim_kpc
651	2045	3	.
652	2045	4	.
653	2045	5	.
654	2045	6	.
655	2045	7	.
656	2045	8	.
657	2045	9	.
658	2045	10	.
659	2045	11	.
660	2045	12	.
661	2046	1	.
662	2046	2	.
663	2046	3	.
664	2046	4	.
665	2046	5	.
666	2046	6	.
667	2046	7	.
668	2046	8	.
669	2046	9	.
670	2046	10	.
671	2046	11	.
672	2046	12	.
673	2047	1	.
674	2047	2	.
675	2047	3	.
676	2047	4	.
677	2047	5	.
678	2047	6	.
679	2047	7	.
680	2047	8	.
681	2047	9	.
682	2047	10	.
683	2047	11	.
684	2047	12	.
685	2048	1	.
686	2048	2	.
687	2048	3	.
688	2048	4	.
689	2048	5	.
690	2048	6	.
691	2048	7	.
692	2048	8	.
693	2048	9	.
694	2048	10	.
695	2048	11	.
696	2048	12	.
697	2049	1	.
698	2049	2	.
699	2049	3	.
700	2049	4	.

KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	eim_kpc
701	2049	5	.
702	2049	6	.
703	2049	7	.
704	2049	8	.
705	2049	9	.
706	2049	10	.
707	2049	11	.
708	2049	12	.
709	2050	1	.
710	2050	2	.
711	2050	3	.
712	2050	4	.
713	2050	5	.
714	2050	6	.
715	2050	7	.
716	2050	8	.
717	2050	9	.
718	2050	10	.
719	2050	11	.
720	2050	12	.
721	2051	1	.
722	2051	2	.
723	2051	3	.
724	2051	4	.
725	2051	5	.
726	2051	6	.
727	2051	7	.
728	2051	8	.
729	2051	9	.
730	2051	10	.
731	2051	11	.
732	2051	12	.
733	2052	1	.
734	2052	2	.
735	2052	3	.
736	2052	4	.
737	2052	5	.
738	2052	6	.
739	2052	7	.
740	2052	8	.
741	2052	9	.
742	2052	10	.
743	2052	11	.
744	2052	12	.
745	2053	1	.
746	2053	2	.
747	2053	3	.
748	2053	4	.
749	2053	5	.
750	2053	6	.

KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	eim_kpc
751	2053	7	.
752	2053	8	.
753	2053	9	.
754	2053	10	.
755	2053	11	.
756	2053	12	.
757	2054	1	.
758	2054	2	.
759	2054	3	.
760	2054	4	.
761	2054	5	.
762	2054	6	.
763	2054	7	.
764	2054	8	.
765	2054	9	.
766	2054	10	.
767	2054	11	.
768	2054	12	.

The MEANS Procedure

Variable	Label	Mean
YEAR	Year	2022.50
MONTH	Month	6.5000000
qc_kye	EASTERN KENTUCKY COAL PRODUCTION	3760129.64
d05on	BINARY VARIABLE-2005 ON	0.7812500
aug15on	BINARY VARIABLE-AUGUST 2015 ON	0.6158854
may16on	BINARY VARIABLE-MAY 2016 ON	0.6041667
d1	BINARY VARIABLE-1ST QTR	0.0833333
d2	BINARY VARIABLE-2ND QTR	0.0833333
d3	BINARY VARIABLE-3RD QTR	0.0833333
d5	BINARY VARIABLE-MAY	0.0833333
d6	BINARY VARIABLE-JUNE	0.0833333
d7	BINARY VARIABLE-JULY	0.0833333
d8	BINARY VARIABLE-AUGUST	0.0833333
d9	BINARY VARIABLE-SEPTEMBER	0.0833333
d10	BINARY VARIABLE-OCTOBER	0.0833333
d11	BINARY VARIABLE-NOVEMBER	0.0833333
d954	BINARY VARIABLE-1995 4TH QTR	0.0013021
d064on	BINARY VARIABLE- 2006 4TH QTR ON	0.7539063
Jul12on	BINARY VARIABLE-JULY 2012 ON	0.6640625
oct13on	BINARY VARIABLE-OCTOBER 2013 ON	0.6445313
d17on	BINARY VARIABLE-2017 ON	0.5937500
feb99	BINARY VARIABLE-FEBRUARY 1999	0.0013021
dec95	BINARY VARIABLE-DECEMBER 1995	0.0013021
jan96	BINARY VARIABLE-JANUARY 1996	0.0013021
dec98	BINARY VARIABLE-DECEMBER 1998	0.0013021
feb18on	BINARY VARIABLE-FEBRUARY 2018 ON	0.5768229

KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
EXOGENOUS VARIABLES

			a m J o f													P											
			q	u a d u c										e													
	M		c	d	g	y	0 1 t d f d j d b										R										
	Y	O	-	0	1	1	d 6 1 1 1 e e a e 1										I										
O	E	N	k	5	5	6	d d 9 4 2 3 7 b c n c 8										C										
b	A	T	y	o	o	o	d	d	d	d	d	d	d	d	1	1	5	o	o	o	o	9	9	9	9	o	E
s	R	H	e	n	n	n	1	2	3	5	6	7	8	9	0	1	4	n	n	n	n	9	5	6	8	n	
397	2024	1	1266511.78	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
398	2024	2	1254534.96	1	1	1	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
399	2024	3	1275989.03	1	1	1	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
400	2024	4	1265185.94	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
401	2024	5	1276363.92	1	1	1	0	0	0	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
402	2024	6	1280122.81	1	1	1	0	0	0	0	1	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
403	2024	7	1233613.87	1	1	1	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	1	CONDID.	
404	2024	8	1271881.45	1	1	1	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
405	2024	9	1222554.93	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	0	0	0	1	CONFID.
406	2024	10	1302345.67	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	0	0	0	1	CONFID.
407	2024	11	1285336.49	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	1	CONFID.
408	2024	12	1271446.37	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
409	2025	1	1268834.04	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
410	2025	2	1256699.14	1	1	1	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
411	2025	3	1278438.94	1	1	1	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
412	2025	4	1267176.23	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
413	2025	5	1278791.03	1	1	1	0	0	0	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
414	2025	6	1282505.49	1	1	1	0	0	0	0	1	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
415	2025	7	1235597.90	1	1	1	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	1	CONDID.	
416	2025	8	1274200.20	1	1	1	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
417	2025	9	1224500.16	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	0	0	0	1	CONFID.
418	2025	10	1305061.90	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	0	0	0	1	CONFID.
419	2025	11	1287971.15	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	1	CONFID.
420	2025	12	1273989.47	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
421	2026	1	1266376.69	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
422	2026	2	1254404.82	1	1	1	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
423	2026	3	1275845.17	1	1	1	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
424	2026	4	1265050.34	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
425	2026	5	1276219.66	1	1	1	0	0	0	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
426	2026	6	1279977.27	1	1	1	0	0	0	0	1	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
427	2026	7	1233488.49	1	1	1	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	1	CONDID.	
428	2026	8	1271739.13	1	1	1	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
429	2026	9	1222431.72	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	0	0	0	1	CONFID.
430	2026	10	1302183.65	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	0	0	0	1	CONFID.
431	2026	11	1285181.46	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	1	CONFID.
432	2026	12	1271295.70	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
433	2027	1	1261070.09	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
434	2027	2	1249220.06	1	1	1	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
435	2027	3	1270171.72	1	1	1	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
436	2027	4	1259385.04	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
437	2027	5	1270501.16	1	1	1	0	0	0	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
438	2027	6	1274142.64	1	1	1	0	0	0	0	1	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
439	2027	7	1228392.86	1	1	1	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	1	CONDID.	
440	2027	8	1266022.20	1	1	1	0	0	0	0	0	0	1	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	

KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
EXOGENOUS VARIABLES

				a	m						J	o		f																	
				q	u	a					d	u	c	e																	
	M			c	d	g	y				0	1	t	d	f	d	j	d	b	P											
	Y	O		—	0	1	1				d	6	1	1	1	e	e	a	e	1	R										
O	E	N		k	5	5	6				d	d	9	4	2	3	7	b	c	n	c	8	I								
b	A	T		y	o	o	o	d	d	d	d	d	d	d	d	d	d	1	1	5	o	o	o	o	9	9	9	9	o	C	
s	R	H		e	n	n	n	1	2	3	5	6	7	8	9	0	1	4	n	n	n	n	n	9	5	6	8	n	E		
441	2027	9	1217419.60	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	CONFID.		
442	2027	10	1295752.87	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	0	0	0	0	1	CONFID.
443	2027	11	1279063.00	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	1	CONFID.
444	2027	12	1265331.58	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
445	2028	1	1255320.30	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
446	2028	2	1243349.91	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
447	2028	3	1263945.81	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
448	2028	4	1252070.94	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
449	2028	5	1264124.23	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
450	2028	6	1267410.98	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
451	2028	7	1222279.39	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONDID.
452	2028	8	1259387.95	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
453	2028	9	1211391.11	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
454	2028	10	1288551.22	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
455	2028	11	1272331.68	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	0	0	0	0	1	CONFID.	
456	2028	12	1258709.56	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
457	2029	1	1263342.11	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
458	2029	2	1251232.50	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
459	2029	3	1272534.51	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
460	2029	4	1260840.73	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
461	2029	5	1272798.85	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
462	2029	6	1276301.00	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
463	2029	7	1230087.40	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONDID.
464	2029	8	1268105.83	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
465	2029	9	1219074.03	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
466	2029	10	1298308.45	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
467	2029	11	1281594.99	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	0	0	0	0	1	CONFID.	
468	2029	12	1267750.30	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
469	2030	1	1252262.51	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
470	2030	2	1240421.57	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
471	2030	3	1260697.20	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
472	2030	4	1249086.63	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
473	2030	5	1260874.11	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
474	2030	6	1264148.76	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
475	2030	7	1219482.71	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONDID.
476	2030	8	1256200.10	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
477	2030	9	1208643.65	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
478	2030	10	1284907.51	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
479	2030	11	1268834.92	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	0	0	0	0	1	CONFID.	
480	2030	12	1255314.76	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
481	2031	1	1256708.68	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
482	2031	2	1244658.76	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
483	2031	3	1265414.38	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
484	2031	4	1253329.38	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.

KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
EXOGENOUS VARIABLES

				a	m					J	o		f																
				q	u	a				d	u	c	e																
	M			c	d	g	y			0	1	t	d	f	d	j	d	b	P										
	Y	O		-	0	1	1			d	6	1	1	1	e	e	a	e	1	R									
O	E	N		k	5	5	6			d	d	9	4	2	3	7	b	c	n	c	8	I							
b	A	T		y	o	o	o	d	d	d	d	d	d	d	d	d	1	1	5	o	o	o	o	9	9	9	9	o	C
s	R	H		e	n	n	n	1	2	3	5	6	7	8	9	0	1	4	n	n	n	n	9	5	6	8	n	E	
485	2031	5	1265585.08	1	1	1	0	0	0	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.			
486	2031	6	1268858.53	1	1	1	0	0	0	0	1	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.			
487	2031	7	1223500.54	1	1	1	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	1	CONDID.			
488	2031	8	1260799.25	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.		
489	2031	9	1212589.46	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.		
490	2031	10	1290186.48	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	0	0	0	0	1	CONFID.		
491	2031	11	1273911.06	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	1	CONFID.		
492	2031	12	1260237.86	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.		
493	2032	1	1247536.58	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.		
494	2032	2	1235900.51	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.		
495	2032	3	1255678.90	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.		
496	2032	4	1244498.52	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.		
497	2032	5	1255855.62	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.		
498	2032	6	1259116.35	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.		
499	2032	7	1215171.89	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONDID.		
500	2032	8	1251282.99	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.		
501	2032	9	1204408.91	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.		
502	2032	10	1279283.84	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	0	0	0	0	1	CONFID.		
503	2032	11	1263434.91	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	1	CONFID.		
504	2032	12	1250073.12	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.		
505	2033	1	1249954.62	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.		
506	2033	2	1238209.92	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.		
507	2033	3	1258245.16	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.		
508	2033	4	1246827.95	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.		
509	2033	5	1258420.40	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.		
510	2033	6	1261684.72	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.		
511	2033	7	1217368.54	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONDID.		
512	2033	8	1253791.95	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.		
513	2033	9	1206566.56	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.		
514	2033	10	1282157.10	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	0	0	0	0	1	CONFID.		
515	2033	11	1266195.89	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	1	CONFID.		
516	2033	12	1252752.25	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.		
517	2034	1	1237346.23	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.		
518	2034	2	1225759.72	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.		
519	2034	3	1244737.50	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.		
520	2034	4	1232782.77	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.		
521	2034	5	1244755.42	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.		
522	2034	6	1247631.53	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.		
523	2034	7	1204956.66	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONDID.		
524	2034	8	1239999.56	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.		
525	2034	9	1194348.97	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.		
526	2034	10	1266799.95	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	0	0	0	0	1	CONFID.		
527	2034	11	1251636.49	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	1	CONFID.		
528	2034	12	1238525.81	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.		

KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
EXOGENOUS VARIABLES

			a m J o f													P														
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Y O			_ 0 1 1 d 6 1 1 1 e e a e 1													I														
O E N			k 5 5 6 d d 9 4 2 3 7 b c n c 8													C														
b A T			y o o o d d d d d d d d 1 1 5 o o o o 9 9 9 9 o													E														
s R H			e n n n 1 2 3 5 6 7 8 9 0 1 4 n n n n 9 5 6 8 n																											
529	2035	1	1242094.24	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
530	2035	2	1230377.69	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
531	2035	3	1249800.67	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
532	2035	4	1237740.88	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
533	2035	5	1249848.99	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
534	2035	6	1252806.68	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
535	2035	7	1209464.93	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONDID.	
536	2035	8	1245068.45	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
537	2035	9	1198782.67	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
538	2035	10	1272512.83	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	0	0	1	CONFID.
539	2035	11	1257087.19	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	1	CONFID.
540	2035	12	1243835.39	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
541	2036	1	1246973.06	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
542	2036	2	1235153.77	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
543	2036	3	1255014.48	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
544	2036	4	1242982.17	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
545	2036	5	1255106.85	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
546	2036	6	1258177.07	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
547	2036	7	1214170.25	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONDID.	
548	2036	8	1250332.98	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
549	2036	9	1203411.90	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
550	2036	10	1278416.67	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	0	0	1	CONFID.
551	2036	11	1262704.09	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0	1	CONFID.
552	2036	12	1249313.93	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
553	2037	1	1251844.38	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
554	2037	2	1239880.68	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
555	2037	3	1260208.28	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
556	2037	4	1248022.80	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
557	2037	5	1260327.91	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
558	2037	6	1263473.10	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
559	2037	7	1218770.47	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONDID.	
560	2037	8	1255518.08	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
561	2037	9	1207935.15	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
562	2037	10	1284276.12	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	0	0	1	CONFID.
563	2037	11	1268297.90	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0	1	CONFID.
564	2037	12	1254759.70	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
565	2038	1	1257259.80	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
566	2038	2	1245145.98	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
567	2038	3	1265987.06	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
568	2038	4	1253678.00	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
569	2038	5	1266141.56	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
570	2038	6	1269380.30	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
571	2038	7	1223909.37	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONDID.	
572	2038	8	1261302.82	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	

KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
EXOGENOUS VARIABLES

				a	m						J	o		f																	
				q	u	a					d	u	c	e																	
	M			c	d	g	y				0	1	t	d	f	d	j	d	b	P											
	Y	O		-	0	1	1				d	6	1	1	1	e	e	a	e	1	R										
O	E	N		k	5	5	6				d	d	9	4	2	3	7	b	c	n	c	8	I								
b	A	T		y	o	o	o	d	d	d	d	d	d	d	d	d	d	1	1	5	o	o	o	o	9	9	9	9	o	C	
s	R	H		e	n	n	n	1	2	3	5	6	7	8	9	0	1	4	n	n	n	n	n	9	5	6	8	n	E		
573	2038	9	1212988.55	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
574	2038	10	1290804.99	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
575	2038	11	1274524.48	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	1	CONFID.		
576	2038	12	1260823.63	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.		
577	2039	1	1257050.67	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.		
578	2039	2	1244972.13	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.		
579	2039	3	1265773.27	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.		
580	2039	4	1253597.20	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.		
581	2039	5	1265938.40	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.		
582	2039	6	1269200.35	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.		
583	2039	7	1223780.13	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONDID.		
584	2039	8	1261131.07	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.		
585	2039	9	1212863.24	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.		
586	2039	10	1290580.76	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	1	0	0	0	0	1	CONFID.		
587	2039	11	1274296.34	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	1	CONFID.	
588	2039	12	1260608.50	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.	
589	2040	1	1259163.15	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	CONFID.	
590	2040	2	1246956.23	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	CONFID.	
591	2040	3	1268005.66	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	CONFID.	
592	2040	4	1255478.00	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	CONFID.	
593	2040	5	1268156.09	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	CONFID.	
594	2040	6	1271391.17	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	CONFID.	
595	2040	7	1225620.92	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	CONDID.	
596	2040	8	1263265.81	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	CONFID.	
597	2040	9	1214669.17	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	CONFID.	
598	2040	10	1293062.63	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	0	0	0	0	1	CONFID.	
599	2040	11	1276696.88	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	0	0	0	0	1	CONFID.
600	2040	12	1262929.58	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	CONFID.
601	2041	1	1263699.93	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	CONFID.	
602	2041	2	1251371.58	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	CONFID.	
603	2041	3	1272849.96	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	CONFID.	
604	2041	4	1260239.16	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	CONFID.	
605	2041	5	1273031.71	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	CONFID.	
606	2041	6	1276349.92	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	CONFID.	
607	2041	7	1229936.68	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	CONDID.	
608	2041	8	1268122.07	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	CONFID.	
609	2041	9	1218913.24	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	CONFID.	
610	2041	10	1298541.94	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	0	0	0	0	1	CONFID.	
611	2041	11	1281919.05	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	0	0	0	0	1	CONFID.
612	2041	12	1268015.99	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	CONFID.	
613	2042	1	1261498.61	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	CONFID.	
614	2042	2	1249189.62	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	CONFID.	
615	2042	3	1270486.67	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	CONFID.	
616	2042	4	1257743.99	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	1	CONFID.	

KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
EXOGENOUS VARIABLES

				a	m				J	o		f																			
				q	u	a			d	u	c	e																			
	M			c	d	g	y		0	1	t	d	f	d	j	d	b	P													
	Y	O		-	0	1	1		d	6	1	1	1	e	e	a	e	1	R												
O	E	N		k	5	5	6		d	d	9	4	2	3	7	b	c	n	c	8	I										
b	A	T		y	o	o	o	d	d	d	d	d	d	d	d	d	d	d	1	1	5	o	o	o	o	9	9	9	9	o	C
s	R	H		e	n	n	n	1	2	3	5	6	7	8	9	0	1	4	n	n	n	n	n	9	5	6	8	n	E		
617	2042	5	1270637.11	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
618	2042	6	1273878.90	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
619	2042	7	1227749.70	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONDID.				
620	2042	8	1265696.16	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
621	2042	9	1216760.22	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
622	2042	10	1295845.23	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
623	2042	11	1279368.20	1	1	1	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	0	0	0	0	1	CONFID.				
624	2042	12	1265522.05	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
625	2043	1	1263742.44	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
626	2043	2	1251277.66	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
627	2043	3	1272852.22	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
628	2043	4	1259652.02	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
629	2043	5	1272979.25	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
630	2043	6	1276175.02	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
631	2043	7	1229659.50	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONDID.				
632	2043	8	1267930.31	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
633	2043	9	1218632.54	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
634	2043	10	1298464.70	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
635	2043	11	1281911.12	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	1	CONFID.				
636	2043	12	1267975.96	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
637	2044	1	1263041.50	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
638	2044	2	1250583.56	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
639	2044	3	1272099.90	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
640	2044	4	1258860.66	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
641	2044	5	1272217.22	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
642	2044	6	1275389.27	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
643	2044	7	1228964.72	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONDID.				
644	2044	8	1267159.02	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
645	2044	9	1217948.59	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
646	2044	10	1281434.61	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
647	2044	11	1281099.10	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	1	CONFID.				
648	2044	12	1267182.23	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
649	2045	1	1262328.85	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
650	2045	2	1249966.44	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
651	2045	3	1271363.26	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
652	2045	4	1258469.62	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
653	2045	5	1271506.75	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
654	2045	6	1274735.34	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
655	2045	7	1228466.24	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONDID.				
656	2045	8	1266530.18	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
657	2045	9	1217462.99	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
658	2045	10	1280646.12	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	0	0	0	0	1	CONFID.				
659	2045	11	1280310.81	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	1	CONFID.				
660	2045	12	1266432.69	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.				

KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
EXOGENOUS VARIABLES

					a	m				J	o		f																	
					q	u	a			d	u	c	e																	
	M				c	d	g	y		0	1	t	d	f	d	j	d	b	P											
	Y	O			-	0	1	1		d	6	1	1	1	e	e	a	e	1	R										
O	E	N			k	5	5	6		d	d	9	4	2	3	7	b	c	n	c	8	I								
b	A	T			y	o	o	o	d	d	d	d	d	d	d	d	d	1	1	5	o	o	o	o	9	9	9	9	o	C
s	R	H			e	n	n	n	1	2	3	5	6	7	8	9	0	1	4	n	n	n	n	9	5	6	8	n	E	
661	2046	1	1256385.17	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
662	2046	2	1244066.66	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
663	2046	3	1264980.69	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
664	2046	4	1251695.88	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
665	2046	5	1265036.47	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
666	2046	6	1268051.70	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
667	2046	7	1222541.92	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONDID.	
668	2046	8	1259967.11	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
669	2046	9	1211630.08	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
670	2046	10	1273755.93	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	0	1	CONFID.
671	2046	11	1273422.42	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0	1	CONFID.
672	2046	12	1259695.76	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
673	2047	1	1251544.84	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
674	2047	2	1239267.98	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
675	2047	3	1259786.28	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
676	2047	4	1246210.25	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
677	2047	5	1259773.37	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
678	2047	6	1262620.99	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
679	2047	7	1217731.59	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONDID.	
680	2047	8	1254634.92	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
681	2047	9	1206894.18	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
682	2047	10	1268150.68	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	0	1	CONFID.
683	2047	11	1267818.65	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0	1	CONFID.
684	2047	12	1254216.27	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
685	2048	1	1249381.57	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
686	2048	2	1237184.73	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
687	2048	3	1257484.75	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
688	2048	4	1244045.80	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
689	2048	5	1257466.19	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
690	2048	6	1260294.95	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
691	2048	7	1215725.96	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONDID.	
692	2048	8	1252360.04	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
693	2048	9	1204923.07	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
694	2048	10	1265672.34	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	0	1	CONFID.
695	2048	11	1265340.95	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0	1	CONFID.
696	2048	12	1251807.98	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
697	2049	1	1242594.86	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
698	2049	2	1230648.41	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
699	2049	3	1250265.76	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
700	2049	4	1237255.50	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
701	2049	5	1250229.51	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
702	2049	6	1252999.32	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	
703	2049	7	1209432.73	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONDID.	
704	2049	8	1245224.42	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.	

KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
EXOGENOUS VARIABLES

				a	m					J	o		f																
				q	u	a				d	u	c	e																
	M			c	d	g	y			0	1	t	d	f	d	j	d	b	P										
	Y	O		-	0	1	1			d	6	1	1	1	e	e	a	e	1	R									
O	E	N		k	5	5	6			d	d	9	4	2	3	7	b	c	n	c	8	I							
b	A	T		y	o	o	o	d	d	d	d	d	d	d	d	d	1	1	5	o	o	o	o	9	9	9	9	o	C
s	R	H		e	n	n	n	1	2	3	5	6	7	8	9	0	1	4	n	n	n	n	9	5	6	8	n	E	
705	2049	9	1198737.99	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.
706	2049	10	1257900.78	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
707	2049	11	1257571.42	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	0	0	0	0	1	CONFID.	
708	2049	12	1244255.56	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.		
709	2050	1	1240542.34	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.		
710	2050	2	1228671.43	1	1	1	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.			
711	2050	3	1248082.95	1	1	1	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.			
712	2050	4	1235201.92	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.			
713	2050	5	1248041.37	1	1	1	0	0	0	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.			
714	2050	6	1250793.41	1	1	1	0	0	0	0	1	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.			
715	2050	7	1207529.14	1	1	1	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	1	CONDID.			
716	2050	8	1243066.75	1	1	1	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.			
717	2050	9	1196867.06	1	1	1	0	0	0	0	0	0	1	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.			
718	2050	10	1255551.50	1	1	1	0	0	0	0	0	0	0	1	0	0	1	1	1	1	0	0	0	0	1	CONFID.			
719	2050	11	1255222.76	1	1	1	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	1	CONFID.			
720	2050	12	1241972.36	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.			
721	2051	1	1238506.15	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.			
722	2051	2	1226710.08	1	1	1	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.			
723	2051	3	1245917.71	1	1	1	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.			
724	2051	4	1233164.71	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.			
725	2051	5	1245870.85	1	1	1	0	0	0	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.			
726	2051	6	1248605.28	1	1	1	0	0	0	0	1	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.			
727	2051	7	1205640.55	1	1	1	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	1	CONDID.			
728	2051	8	1240926.43	1	1	1	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.			
729	2051	9	1195010.84	1	1	1	0	0	0	0	0	0	1	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.			
730	2051	10	1253221.42	1	1	1	0	0	0	0	0	0	0	1	0	0	1	1	1	1	0	0	0	0	1	CONFID.			
731	2051	11	1252893.29	1	1	1	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	1	CONFID.			
732	2051	12	1239707.75	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.			
733	2052	1	1236486.15	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.			
734	2052	2	1224764.24	1	1	1	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.			
735	2052	3	1243769.87	1	1	1	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.			
736	2052	4	1231143.70	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.			
737	2052	5	1243717.80	1	1	1	0	0	0	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.			
738	2052	6	1246434.77	1	1	1	0	0	0	0	1	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.			
739	2052	7	1203766.81	1	1	1	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	1	CONDID.			
740	2052	8	1238803.29	1	1	1	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.			
741	2052	9	1193169.21	1	1	1	0	0	0	0	0	0	1	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.			
742	2052	10	1250910.34	1	1	1	0	0	0	0	0	0	0	1	0	0	1	1	1	1	0	0	0	0	1	CONFID.			
743	2052	11	1250582.82	1	1	1	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	1	CONFID.			
744	2052	12	1237461.54	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.			
745	2053	1	1234482.17	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.			
746	2053	2	1222833.75	1	1	1	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.			
747	2053	3	1241639.28	1	1	1	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.			
748	2053	4	1229138.74	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.			

KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
EXOGENOUS VARIABLES

				a	m								J	o		f											
			q	u	a								d	u	c	e											
	M		c	d	g	y							0	1	t	d	f	d	j	d	b	P					
	Y	O	-	0	1	1							d	6	1	1	1	e	e	a	e	1	R				
0	E	N	k	5	5	6							d	d	9	4	2	3	7	b	c	n	c	8	I		
b	A	T	y	o	o	o	d	d	d	d	d	d	d	d	1	1	5	o	o	o	o	9	9	9	9	o	C
s	R	H	e	n	n	n	1	2	3	5	6	7	8	9	0	1	4	n	n	n	n	9	5	6	8	n	E

749	2053	5	1241582.03	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.
750	2053	6	1244281.73	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.
751	2053	7	1201907.81	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONDID.
752	2053	8	1236697.16	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.
753	2053	9	1191342.03	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.
754	2053	10	1248618.10	1	1	1	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	0	0	0	0	1	CONFID.
755	2053	11	1248291.18	1	1	1	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	0	0	0	0	1	CONFID.
756	2053	12	1235233.56	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.
757	2054	1	1232494.08	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.
758	2054	2	1220918.48	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.
759	2054	3	1239525.78	1	1	1	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.
760	2054	4	1227149.69	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.
761	2054	5	1239463.41	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.
762	2054	6	1242145.97	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.
763	2054	7	1200063.40	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONDID.
764	2054	8	1234607.89	1	1	1	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.
765	2054	9	1189529.17	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.
766	2054	10	1246344.51	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	0	0	0	0	1	CONFID.
767	2054	11	1246018.18	1	1	1	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	0	0	0	0	1	CONFID.
768	2054	12	1233023.64	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	CONFID.

The SYSLIN Procedure
Ordinary Least Squares Estimation

Model LEIM
Dependent Variable LEIM

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	26	48.54662	1.867178	906.21	<.0001
Error	310	0.638735	0.002060		
Corrected Total	336	49.18536			

Root MSE 0.04539 R-Square 0.98701
Dependent Mean 4.29162 Adj R-Sq 0.98592
Coeff Var 1.05769

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variable Label
Intercept	1	0.994877	0.330086	3.01	0.0028	Intercept
LQC	1	0.279970	0.020740	13.50	<.0001	EASTERN KENTUCKY COAL PRODUCTION, LOG
LPIM36	1	-0.21535	0.022920	-9.40	<.0001	MINE PWR ELEC PRICE, 36-MONTH MVNG AVE, LOG
d954	1	0.057203	0.046337	1.23	0.2179	BINARY VARIABLE-1995 4TH QTR
d1	1	-0.00059	0.012416	-0.05	0.9621	BINARY VARIABLE-1ST QTR
d2	1	-0.00672	0.012511	-0.54	0.5918	BINARY VARIABLE-2ND QTR
d3	1	-0.03790	0.012498	-3.03	0.0026	BINARY VARIABLE-3RD QTR
d4	1	-0.09966	0.012390	-8.04	<.0001	BINARY VARIABLE-APRIL
d5	1	-0.16742	0.012388	-13.52	<.0001	BINARY VARIABLE-MAY
d6	1	-0.20066	0.012393	-16.19	<.0001	BINARY VARIABLE-JUNE
d7	1	-0.27169	0.012415	-21.88	<.0001	BINARY VARIABLE-JULY
d8	1	-0.21675	0.012482	-17.37	<.0001	BINARY VARIABLE-AUGUST
d9	1	-0.18557	0.012399	-14.97	<.0001	BINARY VARIABLE-SEPTEMBER
d10	1	-0.16751	0.012543	-13.36	<.0001	BINARY VARIABLE-OCTOBER

KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
MODEL ESTIMATION

The SYSLIN Procedure
Ordinary Least Squares Estimation

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variable Label
d11	1	-0.08857	0.012366	-7.16	<.0001	BINARY VARIABLE-NOVEMBER
d05on	1	0.037997	0.011166	3.40	0.0008	BINARY VARIABLE-2005 ON
d064on	1	0.009273	0.013501	0.69	0.4927	BINARY VARIABLE-2006 4TH QTR ON
Jul12on	1	-0.16532	0.018663	-8.86	<.0001	BINARY VARIABLE-JULY 2012 ON
oct13on	1	-0.09171	0.015671	-5.85	<.0001	BINARY VARIABLE-OCTOBER 2013 ON
aug15on	1	-0.15543	0.020895	-7.44	<.0001	BINARY VARIABLE-AUGUST 2015 ON
may16on	1	-0.18450	0.022892	-8.06	<.0001	BINARY VARIABLE-MAY 2016 ON
d17on	1	0.058058	0.020609	2.82	0.0052	BINARY VARIABLE-2017 ON
feb99	1	-0.41845	0.046405	-9.02	<.0001	BINARY VARIABLE-FEBRUARY 1999
dec95	1	-0.36035	0.046359	-7.77	<.0001	BINARY VARIABLE-DECEMBER 1995
jan96	1	-0.22825	0.046354	-4.92	<.0001	BINARY VARIABLE-JANUARY 1996
dec98	1	0.236507	0.046376	5.10	<.0001	BINARY VARIABLE-DECEMBER 1998
feb18on	1	-0.03648	0.018215	-2.00	0.0461	BINARY VARIABLE-FEBRUARY 2018 ON

Durbin-Watson	1.813544
Number of Observations	337
First-Order Autocorrelation	0.09215

KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
MODEL RESIDUALS

time		Residual Values
		Sum
1991.000000	*****	0.029485
1991.0833333	*	0.003674
1991.1666667	*****	0.073488
1991.2500000	*****	-0.058296
1991.3333333	****	-0.022215
1991.4166667	*****	-0.049036
1991.5000000	*****	-0.062034
1991.5833333		0.001326
1991.6666667	*****	-0.051712
1991.7500000	*****	0.050232
1991.8333333	*****	0.093207
1991.9166667	*****	-0.074250
1992.0000000	*****	-0.042669
1992.0833333	*****	-0.033141
1992.1666667	*****	0.055103
1992.2500000	*****	-0.066725
1992.3333333	*****	0.037731
1992.4166667	***	-0.013877
1992.5000000	*****	-0.063847
1992.5833333	*****	0.035317
1992.6666667	*****	-0.060530
1992.7500000	*****	0.081090
1992.8333333	*****	0.083831
1992.9166667	*****	-0.043291
1993.0000000	*****	-0.052726
1993.0833333	****	-0.019029
1993.1666667	*	0.003319
1993.2500000	*****	-0.071869
1993.3333333	*****	0.041976
1993.4166667	**	0.008144
1993.5000000	*****	-0.040463
1993.5833333	*****	0.105566
1993.6666667	*****	-0.073561
1993.7500000	*****	0.121567
1993.8333333	*****	0.050074
1993.9166667	*****	0.038412
1994.0000000	*****	-0.040341
1994.0833333	*****	-0.082260
1994.1666667	*****	0.030110
1994.2500000	*****	-0.052497
1994.3333333	*****	0.078408
1994.4166667	*****	0.030565
1994.5000000	*****	-0.046180
1994.5833333	*****	0.060073
1994.6666667	*****	-0.034545
1994.7500000	*****	0.103134
1994.8333333	*****	0.035606
1994.9166667	*	-0.004309
1995.0000000		-0.002482

KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
MODEL RESIDUALS

1995.0833333		*****	0.046807
1995.1666667		****	0.018021
1995.2500000	**		-0.009983
1995.3333333		*****	0.038964
1995.4166667		**	0.011934
1995.5000000	*****		-0.053059
1995.5833333		*****	0.047524
1995.6666667	*****		-0.052514
1995.7500000			-0.000000
1995.8333333	*****		-0.025407
1995.9166667			-0.000000
1996.0000000			-0.000000
1996.0833333		*****	0.060209
1996.1666667		*****	0.167422
1996.2500000		*****	0.061219
1996.3333333	*****		-0.089812
1996.4166667			-0.002322
1996.5000000	***		-0.015235
1996.5833333	*****		-0.026816
1996.6666667			-0.002087
1996.7500000		*	0.006744
1996.8333333		*	-0.003547
1996.9166667		*****	0.053876
1997.0000000		***	0.016150
1997.0833333	*****		-0.043822
1997.1666667	*****		-0.079529
1997.2500000		*	0.006969
1997.3333333	*****		-0.052336
1997.4166667	***		-0.012976
1997.5000000	*****		-0.069723
1997.5833333		*	0.005934
1997.6666667	*****		-0.075715
1997.7500000	****		-0.020662
1997.8333333	****		-0.021106
1997.9166667		*	-0.003388
1998.0000000	*****		-0.034093
1998.0833333	*****		-0.081083
1998.1666667	***		-0.012940
1998.2500000		*****	0.038173
1998.3333333	****		-0.017813
1998.4166667	*****		-0.057741
1998.5000000		*****	0.025512
1998.5833333	**		0.012218
1998.6666667	***		0.015121
1998.7500000	*****		-0.042962
1998.8333333		*	0.007198
1998.9166667			-0.000000
1999.0000000		*****	0.028840
1999.0833333			-0.000000
1999.1666667		*	-0.007264
1999.2500000	*****		-0.043441
1999.3333333	*****		-0.113732

KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
MODEL RESIDUALS

1999.4166667	*****	-0.038129
1999.5000000	*****	0.048455
1999.5833333	*****	-0.030364
1999.6666667	*****	0.029703
1999.7500000	*****	-0.048972
1999.8333333	**	-0.012340
1999.9166667	****	-0.019598
2000.0000000	*****	-0.030433
2000.0833333	*****	-0.083148
2000.1666667	*****	-0.122204
2000.2500000	*****	-0.031668
2000.3333333	****	-0.017969
2000.4166667	**	-0.010612
2000.5000000	***	-0.014822
2000.5833333	*****	-0.100271
2000.6666667	*****	0.115038
2000.7500000		0.001587
2000.8333333	*****	-0.044280
2000.9166667	***	0.013119
2001.0000000	*****	0.026056
2001.0833333	**	0.011989
2001.1666667	*****	-0.024588
2001.2500000	*****	0.036411
2001.3333333	*	0.004718
2001.4166667	*****	0.083493
2001.5000000	*****	0.049488
2001.5833333	***	-0.013945
2001.6666667	****	0.021358
2001.7500000	**	0.007928
2001.8333333	****	0.018318
2001.9166667	*****	-0.029954
2002.0000000	*****	0.078758
2002.0833333	*****	0.050630
2002.1666667	*****	0.024057
2002.2500000	*****	0.055621
2002.3333333	*****	0.029876
2002.4166667	*****	-0.097553
2002.5000000	*****	0.056974
2002.5833333	*****	0.024684
2002.6666667	*****	0.026325
2002.7500000	****	0.018912
2002.8333333	*	-0.007393
2002.9166667	****	0.021308
2003.0000000	***	0.012518
2003.0833333		0.001488
2003.1666667	*****	0.030574
2003.2500000	*****	-0.066879
2003.3333333	*	-0.004007
2003.4166667	*****	0.037763
2003.5000000	*****	0.033870
2003.5833333	*****	0.027153
2003.6666667	*****	0.033776

KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
MODEL RESIDUALS

2003.750000		****	0.018865
2003.8333333		*****	0.050728
2003.9166667	***		-0.015785
2004.000000			0.000863
2004.0833333		****	0.020053
2004.1666667	*****		-0.027425
2004.250000		*****	0.035346
2004.3333333		*****	0.037924
2004.4166667		**	0.007706
2004.500000		****	0.021391
2004.5833333		*****	0.037684
2004.6666667	***		-0.015400
2004.750000		****	0.019818
2004.8333333	*****		-0.042862
2004.9166667	****		-0.019010
2005.000000	*****		-0.034995
2005.0833333	*****		-0.029150
2005.1666667		*****	0.023828
2005.250000	*****		-0.028682
2005.3333333	*****		-0.025771
2005.4166667		*****	0.060172
2005.500000		*	0.002786
2005.5833333	*****		-0.026713
2005.6666667	*		-0.002705
2005.750000	*****		-0.033066
2005.8333333	*****		-0.027701
2005.9166667		*****	0.073376
2006.000000	*****		-0.044527
2006.0833333		*	0.005646
2006.1666667	***		-0.012808
2006.250000		****	0.019410
2006.3333333	*****		-0.037229
2006.4166667		*****	0.022659
2006.500000		*****	0.029519
2006.5833333			-0.001533
2006.6666667		*****	0.067484
2006.750000		**	0.008684
2006.8333333		*****	0.030633
2006.9166667		***	0.016849
2007.000000	*****		-0.069910
2007.0833333		*****	0.037867
2007.1666667	*****		-0.030218
2007.250000			0.002146
2007.3333333	****		-0.020504
2007.4166667	*****		-0.032988
2007.500000	*****		-0.022877
2007.5833333	*****		-0.047427
2007.6666667	*		-0.002661
2007.750000	*****		-0.067092
2007.8333333	*****		-0.052355
2007.9166667	*****		-0.073245
2008.000000	*****		-0.032121

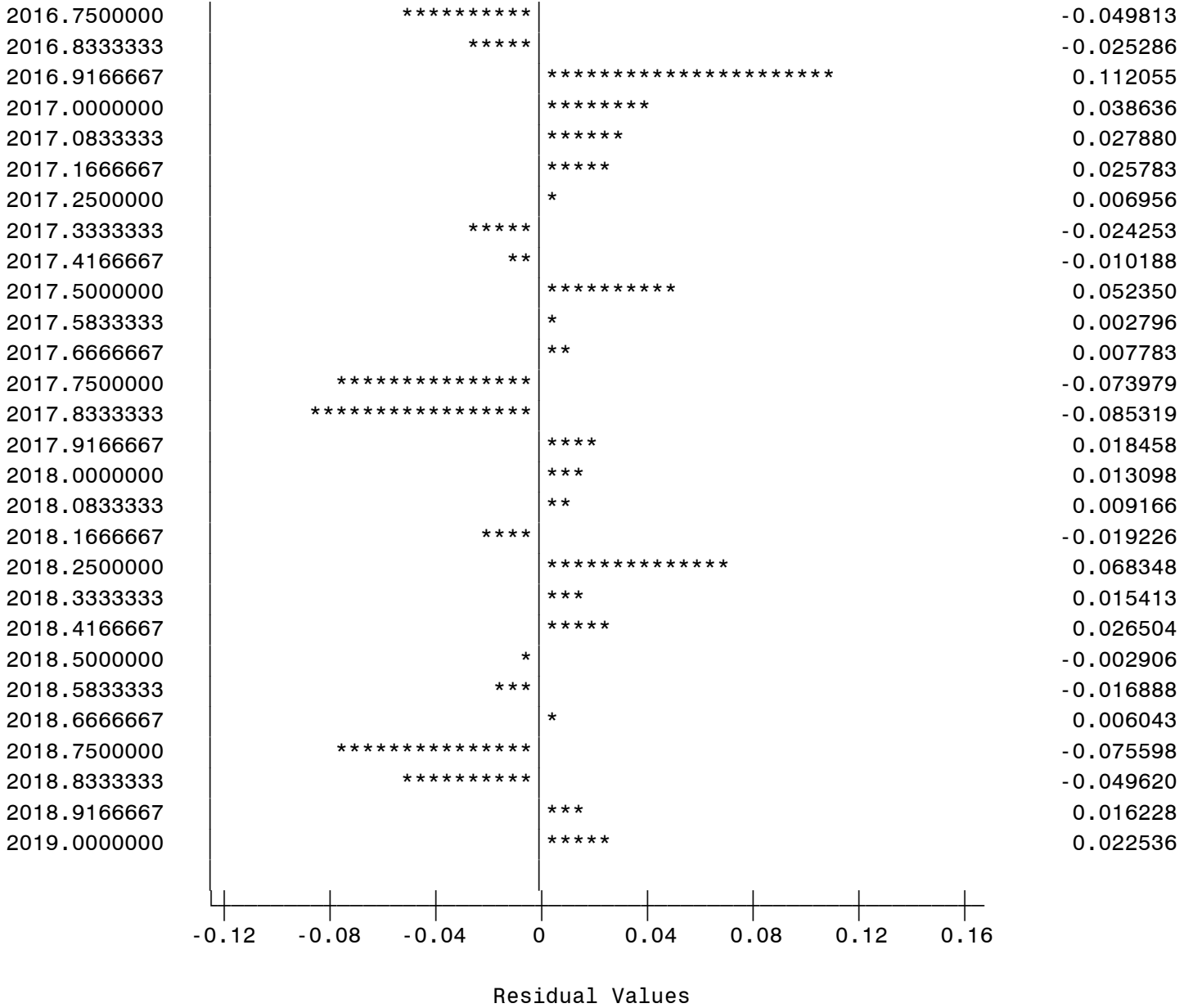
KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
MODEL RESIDUALS

2008.0833333	*****	-0.033676
2008.1666667	*****	-0.045848
2008.2500000	*	-0.005243
2008.3333333	*	0.003197
2008.4166667	*****	0.029103
2008.5000000		-0.001085
2008.5833333	**	0.012320
2008.6666667		-0.001766
2008.7500000	****	-0.019506
2008.8333333	*****	0.043959
2008.9166667	****	0.020715
2009.0000000	*****	0.046596
2009.0833333	*****	0.039138
2009.1666667	*****	0.032145
2009.2500000	*****	0.056791
2009.3333333	*****	0.035867
2009.4166667	****	-0.021731
2009.5000000	*****	-0.047026
2009.5833333	*****	-0.043051
2009.6666667		-0.002148
2009.7500000	*	0.006149
2009.8333333	*	-0.006661
2009.9166667	*****	-0.030815
2010.0000000		-0.001498
2010.0833333	*****	0.036031
2010.1666667	*****	-0.023988
2010.2500000	****	0.021569
2010.3333333	*****	0.167241
2010.4166667	*****	0.044727
2010.5000000	*****	0.061094
2010.5833333	*****	-0.036676
2010.6666667	****	-0.021460
2010.7500000	****	0.018446
2010.8333333	*****	-0.031894
2010.9166667	**	0.008881
2011.0000000	****	0.021096
2011.0833333	**	0.010041
2011.1666667	*****	-0.034214
2011.2500000		0.002365
2011.3333333	****	0.021079
2011.4166667	*****	0.083364
2011.5000000	*****	0.090959
2011.5833333		-0.002364
2011.6666667	*****	0.033794
2011.7500000	*****	-0.023898
2011.8333333	*****	0.032777
2011.9166667	*	0.005076
2012.0000000	*	-0.005194
2012.0833333	***	0.016676
2012.1666667	*****	-0.056138
2012.2500000	*****	-0.041047
2012.3333333	*****	-0.056658

KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
MODEL RESIDUALS

2012.4166667	*****	-0.052395
2012.5000000	****	0.021066
2012.5833333	****	-0.020149
2012.6666667	*****	0.034427
2012.7500000	*****	-0.035762
2012.8333333	*****	-0.022513
2012.9166667	*****	-0.035248
2013.0000000	*	0.004097
2013.0833333	*****	0.061694
2013.1666667	*****	0.023506
2013.2500000	*****	0.065061
2013.3333333	****	-0.018357
2013.4166667	*****	-0.044445
2013.5000000	*	-0.004314
2013.5833333	***	-0.013948
2013.6666667	***	-0.015114
2013.7500000		-0.001072
2013.8333333	*****	-0.044224
2013.9166667	*	0.005578
2014.0000000	***	0.014183
2014.0833333	*****	0.027320
2014.1666667	*****	0.031635
2014.2500000	*	-0.006005
2014.3333333		-0.001227
2014.4166667	**	0.007517
2014.5000000	****	-0.020918
2014.5833333	*****	-0.022709
2014.6666667	*****	-0.026114
2014.7500000	***	-0.016779
2014.8333333	***	0.017187
2014.9166667	***	0.016875
2015.0000000	*****	0.028804
2015.0833333	**	0.008672
2015.1666667	*	-0.003373
2015.2500000	*****	0.028220
2015.3333333	****	-0.018580
2015.4166667	*	0.003208
2015.5000000	*****	-0.028197
2015.5833333	*****	0.059483
2015.6666667	*****	0.049334
2015.7500000	*****	0.046003
2015.8333333	*****	0.038990
2015.9166667	*****	-0.071913
2016.0000000	**	0.009275
2016.0833333	*****	-0.069675
2016.1666667	*****	-0.039228
2016.2500000	****	-0.022269
2016.3333333	**	0.008069
2016.4166667	***	-0.012866
2016.5000000		-0.000780
2016.5833333	*****	-0.029226
2016.6666667		-0.002154

KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
MODEL RESIDUALS



KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
ACTUAL AND FORECAST

Year	ENERGY SALES	GROWTH RATE	BASE ENERGY	ADDITIONS
1984	851.19	.	851.19	0.00
1985	890.554	4.6	890.55	0.00
1986	881.696	-1.0	881.70	0.00
1987	902.84	2.4	902.84	0.00
1988	911.859	1.0	911.86	0.00
1989	984.603	8.0	984.60	0.00
1990	1041.789	5.8	1041.79	0.00
1991	1039.883	-0.2	1039.88	0.00
1992	1057.457	1.7	1057.46	0.00
1993	1084.543	2.6	1084.54	0.00
1994	1106.365	2.0	1106.37	0.00
1995	1073.916	-2.9	1073.92	0.00
1996	1099.599	2.4	1099.60	0.00
1997	1083.644	-1.5	1083.64	0.00
1998	1125.329	3.8	1125.33	0.00
1999	1053.809	-6.4	1053.81	0.00
2000	1064.271	1.0	1064.27	0.00
2001	1131.507	6.3	1131.51	0.00
2002	1120.078	-1.0	1120.08	0.00
2003	1083.831	-3.2	1083.83	0.00
2004	1070.281	-1.3	1070.28	0.00
2005	1101.528	2.9	1101.53	0.00
2006	1103.476	0.2	1103.48	0.00
2007	1035.241	-6.2	1035.24	0.00
2008	1066.54	3.0	1066.54	0.00
2009	1006.26	-5.7	1006.26	0.00
2010	979.0084	-2.7	979.01	0.00
2011	961.8455	-1.8	961.85	0.00
2012	779.3772	-19.0	779.38	0.00
2013	670.8468	-13.9	670.85	0.00
2014	613.8466	-8.5	613.85	0.00
2015	536.5293	-12.6	536.53	0.00
2016	365.7345	-31.8	365.73	0.00
2017	369.0023	0.9	369.00	0.00
2018	351.3422	-4.8	351.34	0.00
2019	360.8554	2.7	347.55	13.31
2020	359.6022	-0.3	345.08	14.52
2021	353.962	-1.6	339.44	14.52
2022	354.6998	0.2	340.18	14.52
2023	355.3609	0.2	340.84	14.52
2024	355.5372	0.0	341.02	14.52
2025	355.9476	0.1	341.43	14.52
2026	355.6613	-0.1	341.14	14.52
2027	355.0655	-0.2	340.55	14.52
2028	354.4709	-0.2	339.95	14.52
2029	355.1378	0.2	340.62	14.52
2030	354.3368	-0.2	339.82	14.52
2031	354.8115	0.1	340.29	14.52

KENTUCKY POWER COMPANY
MINE POWER ENERGY SALES
ACTUAL AND FORECAST

Year	ENERGY SALES	GROWTH RATE	BASE ENERGY	ADDITIONS
2032	354.1663	-0.2	339.646	14.52
2033	354.3219	0.0	339.802	14.52
2034	353.1188	-0.3	338.599	14.52
2035	353.3023	0.1	338.782	14.52
2036	353.571	0.1	339.051	14.52
2037	353.8162	0.1	339.296	14.52
2038	354.0571	0.1	339.537	14.52
2039	353.8812	0.0	339.361	14.52
2040	354.0823	0.1	339.562	14.52
2041	354.5121	0.1	339.992	14.52
2042	354.2355	-0.1	339.716	14.52
2043	354.1179	0.0	339.598	14.52
2044	353.6136	-0.1	339.094	14.52
2045	353.1781	-0.1	338.658	14.52
2046	352.1977	-0.3	337.678	14.52
2047	351.2128	-0.3	336.693	14.52
2048	350.355	-0.2	335.835	14.52
2049	349.0454	-0.4	334.525	14.52
2050	348.0405	-0.3	333.520	14.52
2051	347.0276	-0.3	332.508	14.52
2052	346.0398	-0.3	331.520	14.52
2053	345.0658	-0.3	330.546	14.52
2054	344.0957	-0.3	329.576	14.52

LONG-TERM OTHER RETAIL

KENTUCKY POWER COMPANY
OTHER ULTIMATE ENERGY SALES
ENDOGENOUS VARIABLES

The MEANS Procedure

Variable	Label	Mean
YEAR	YEAR	2026.00
MONTH	MONTH	6.500000
eu_kpc		0.8805707

KENTUCKY POWER COMPANY
OTHER ULTIMATE ENERGY SALES
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	eu_kpc
1	1998	1	1.06283
2	1998	2	0.90689
3	1998	3	0.90137
4	1998	4	0.80129
5	1998	5	0.73849
6	1998	6	0.67940
7	1998	7	0.71559
8	1998	8	0.77118
9	1998	9	0.84374
10	1998	10	0.95099
11	1998	11	1.00279
12	1998	12	1.10940
13	1999	1	1.09189
14	1999	2	0.93642
15	1999	3	0.93171
16	1999	4	0.81922
17	1999	5	0.74254
18	1999	6	0.69313
19	1999	7	0.72939
20	1999	8	0.79972
21	1999	9	0.84976
22	1999	10	0.97333
23	1999	11	1.01448
24	1999	12	1.11025
25	2000	1	1.10428
26	2000	2	0.93844
27	2000	3	0.93904
28	2000	4	0.81786
29	2000	5	0.75552
30	2000	6	0.70590
31	2000	7	0.74451
32	2000	8	0.80354
33	2000	9	0.89005
34	2000	10	0.97379
35	2000	11	1.02940
36	2000	12	1.12982
37	2001	1	1.12228
38	2001	2	0.96951
39	2001	3	0.96180
40	2001	4	0.85041
41	2001	5	0.78588
42	2001	6	0.73587
43	2001	7	0.75816
44	2001	8	0.82713
45	2001	9	0.89998
46	2001	10	1.00416
47	2001	11	1.10660
48	2001	12	1.17100
49	2002	1	1.16263
50	2002	2	0.99117

KENTUCKY POWER COMPANY
OTHER ULTIMATE ENERGY SALES
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	eu_kpc
51	2002	3	0.98106
52	2002	4	0.88009
53	2002	5	0.79392
54	2002	6	0.74173
55	2002	7	0.77879
56	2002	8	0.83947
57	2002	9	0.91337
58	2002	10	1.02456
59	2002	11	1.08125
60	2002	12	1.16199
61	2003	1	1.17123
62	2003	2	0.99112
63	2003	3	0.97869
64	2003	4	0.86715
65	2003	5	0.79894
66	2003	6	0.74214
67	2003	7	0.76475
68	2003	8	0.82577
69	2003	9	0.90270
70	2003	10	1.00978
71	2003	11	1.04978
72	2003	12	1.12278
73	2004	1	1.18553
74	2004	2	0.97821
75	2004	3	0.96943
76	2004	4	0.86591
77	2004	5	0.75731
78	2004	6	0.72494
79	2004	7	0.74666
80	2004	8	0.80951
81	2004	9	0.88595
82	2004	10	0.99674
83	2004	11	1.05173
84	2004	12	1.15778
85	2005	1	1.14509
86	2005	2	0.96673
87	2005	3	0.95597
88	2005	4	0.79365
89	2005	5	0.68565
90	2005	6	0.61691
91	2005	7	0.63775
92	2005	8	0.71522
93	2005	9	0.69408
94	2005	10	0.80116
95	2005	11	1.10808
96	2005	12	1.02658
97	2006	1	1.02473
98	2006	2	0.88870
99	2006	3	0.85814
100	2006	4	0.74208

KENTUCKY POWER COMPANY
OTHER ULTIMATE ENERGY SALES
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	eu_kpc
101	2006	5	0.65944
102	2006	6	0.60989
103	2006	7	0.63599
104	2006	8	0.71112
105	2006	9	0.78463
106	2006	10	0.90938
107	2006	11	0.95315
108	2006	12	1.03998
109	2007	1	1.03907
110	2007	2	0.88329
111	2007	3	0.86910
112	2007	4	0.75104
113	2007	5	0.67656
114	2007	6	0.56317
115	2007	7	0.52923
116	2007	8	0.45746
117	2007	9	1.26935
118	2007	10	0.97625
119	2007	11	0.91156
120	2007	12	1.08929
121	2008	1	1.09992
122	2008	2	0.93914
123	2008	3	0.89712
124	2008	4	0.81564
125	2008	5	0.64535
126	2008	6	0.57509
127	2008	7	0.74351
128	2008	8	0.77127
129	2008	9	0.74077
130	2008	10	0.98584
131	2008	11	0.83755
132	2008	12	1.24351
133	2009	1	0.97388
134	2009	2	0.91854
135	2009	3	0.98697
136	2009	4	0.74234
137	2009	5	0.65794
138	2009	6	0.68685
139	2009	7	0.62025
140	2009	8	0.67780
141	2009	9	0.91464
142	2009	10	0.97426
143	2009	11	0.99548
144	2009	12	1.08904
145	2010	1	0.90176
146	2010	2	1.10020
147	2010	3	0.90418
148	2010	4	0.78206
149	2010	5	0.70602
150	2010	6	0.51642

KENTUCKY POWER COMPANY
OTHER ULTIMATE ENERGY SALES
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	eu_kpc
151	2010	7	0.86112
152	2010	8	0.74246
153	2010	9	0.78680
154	2010	10	0.94067
155	2010	11	1.02789
156	2010	12	1.04487
157	2011	1	0.99313
158	2011	2	0.76130
159	2011	3	1.03511
160	2011	4	1.01992
161	2011	5	0.70972
162	2011	6	0.65768
163	2011	7	0.63162
164	2011	8	0.70843
165	2011	9	0.85429
166	2011	10	1.07382
167	2011	11	1.02643
168	2011	12	1.11911
169	2012	1	1.11217
170	2012	2	0.94644
171	2012	3	0.93148
172	2012	4	0.79984
173	2012	5	0.71781
174	2012	6	0.65138
175	2012	7	0.68631
176	2012	8	0.74673
177	2012	9	0.83680
178	2012	10	0.96215
179	2012	11	1.01882
180	2012	12	1.11477
181	2013	1	1.12156
182	2013	2	0.94954
183	2013	3	0.93768
184	2013	4	0.81063
185	2013	5	0.72150
186	2013	6	0.66015
187	2013	7	0.69067
188	2013	8	0.75943
189	2013	9	0.84255
190	2013	10	0.96308
191	2013	11	1.02411
192	2013	12	1.12866
193	2014	1	1.12371
194	2014	2	0.94637
195	2014	3	0.93496
196	2014	4	0.79414
197	2014	5	0.71816
198	2014	6	0.65203
199	2014	7	0.67857
200	2014	8	0.75921

KENTUCKY POWER COMPANY
OTHER ULTIMATE ENERGY SALES
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	eu_kpc
201	2014	9	0.81406
202	2014	10	0.95426
203	2014	11	1.01998
204	2014	12	1.12341
205	2015	1	1.11828
206	2015	2	0.94193
207	2015	3	0.92944
208	2015	4	0.80254
209	2015	5	0.70880
210	2015	6	0.65070
211	2015	7	0.68061
212	2015	8	0.75715
213	2015	9	0.83588
214	2015	10	0.96441
215	2015	11	1.01406
216	2015	12	1.11120
217	2016	1	1.11100
218	2016	2	0.93575
219	2016	3	0.91891
220	2016	4	0.79284
221	2016	5	0.70234
222	2016	6	0.63900
223	2016	7	0.67242
224	2016	8	0.74992
225	2016	9	0.84495
226	2016	10	0.95187
227	2016	11	1.01353
228	2016	12	1.10875
229	2017	1	1.10855
230	2017	2	0.93569
231	2017	3	0.92524
232	2017	4	0.78986
233	2017	5	0.70620
234	2017	6	0.64273
235	2017	7	0.67652
236	2017	8	0.74905
237	2017	9	0.83159
238	2017	10	0.94982
239	2017	11	1.01119
240	2017	12	1.10553
241	2018	1	1.10585
242	2018	2	0.93467
243	2018	3	0.92005
244	2018	4	0.79652
245	2018	5	0.70164
246	2018	6	0.64476
247	2018	7	0.67020
248	2018	8	0.74527
249	2018	9	0.82234
250	2018	10	0.93046

KENTUCKY POWER COMPANY
OTHER ULTIMATE ENERGY SALES
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	eu_kpc
251	2018	11	0.98938
252	2018	12	1.08409
253	2019	1	1.07546
254	2019	2	.
255	2019	3	.
256	2019	4	.
257	2019	5	.
258	2019	6	.
259	2019	7	.
260	2019	8	.
261	2019	9	.
262	2019	10	.
263	2019	11	.
264	2019	12	.
265	2020	1	.
266	2020	2	.
267	2020	3	.
268	2020	4	.
269	2020	5	.
270	2020	6	.
271	2020	7	.
272	2020	8	.
273	2020	9	.
274	2020	10	.
275	2020	11	.
276	2020	12	.
277	2021	1	.
278	2021	2	.
279	2021	3	.
280	2021	4	.
281	2021	5	.
282	2021	6	.
283	2021	7	.
284	2021	8	.
285	2021	9	.
286	2021	10	.
287	2021	11	.
288	2021	12	.
289	2022	1	.
290	2022	2	.
291	2022	3	.
292	2022	4	.
293	2022	5	.
294	2022	6	.
295	2022	7	.
296	2022	8	.
297	2022	9	.
298	2022	10	.
299	2022	11	.
300	2022	12	.

KENTUCKY POWER COMPANY
OTHER ULTIMATE ENERGY SALES
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	eu_kpc
301	2023	1	.
302	2023	2	.
303	2023	3	.
304	2023	4	.
305	2023	5	.
306	2023	6	.
307	2023	7	.
308	2023	8	.
309	2023	9	.
310	2023	10	.
311	2023	11	.
312	2023	12	.
313	2024	1	.
314	2024	2	.
315	2024	3	.
316	2024	4	.
317	2024	5	.
318	2024	6	.
319	2024	7	.
320	2024	8	.
321	2024	9	.
322	2024	10	.
323	2024	11	.
324	2024	12	.
325	2025	1	.
326	2025	2	.
327	2025	3	.
328	2025	4	.
329	2025	5	.
330	2025	6	.
331	2025	7	.
332	2025	8	.
333	2025	9	.
334	2025	10	.
335	2025	11	.
336	2025	12	.
337	2026	1	.
338	2026	2	.
339	2026	3	.
340	2026	4	.
341	2026	5	.
342	2026	6	.
343	2026	7	.
344	2026	8	.
345	2026	9	.
346	2026	10	.
347	2026	11	.
348	2026	12	.
349	2027	1	.
350	2027	2	.

KENTUCKY POWER COMPANY
OTHER ULTIMATE ENERGY SALES
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	eu_kpc
351	2027	3	.
352	2027	4	.
353	2027	5	.
354	2027	6	.
355	2027	7	.
356	2027	8	.
357	2027	9	.
358	2027	10	.
359	2027	11	.
360	2027	12	.
361	2028	1	.
362	2028	2	.
363	2028	3	.
364	2028	4	.
365	2028	5	.
366	2028	6	.
367	2028	7	.
368	2028	8	.
369	2028	9	.
370	2028	10	.
371	2028	11	.
372	2028	12	.
373	2029	1	.
374	2029	2	.
375	2029	3	.
376	2029	4	.
377	2029	5	.
378	2029	6	.
379	2029	7	.
380	2029	8	.
381	2029	9	.
382	2029	10	.
383	2029	11	.
384	2029	12	.
385	2030	1	.
386	2030	2	.
387	2030	3	.
388	2030	4	.
389	2030	5	.
390	2030	6	.
391	2030	7	.
392	2030	8	.
393	2030	9	.
394	2030	10	.
395	2030	11	.
396	2030	12	.
397	2031	1	.
398	2031	2	.
399	2031	3	.
400	2031	4	.

KENTUCKY POWER COMPANY
OTHER ULTIMATE ENERGY SALES
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	eu_kpc
401	2031	5	.
402	2031	6	.
403	2031	7	.
404	2031	8	.
405	2031	9	.
406	2031	10	.
407	2031	11	.
408	2031	12	.
409	2032	1	.
410	2032	2	.
411	2032	3	.
412	2032	4	.
413	2032	5	.
414	2032	6	.
415	2032	7	.
416	2032	8	.
417	2032	9	.
418	2032	10	.
419	2032	11	.
420	2032	12	.
421	2033	1	.
422	2033	2	.
423	2033	3	.
424	2033	4	.
425	2033	5	.
426	2033	6	.
427	2033	7	.
428	2033	8	.
429	2033	9	.
430	2033	10	.
431	2033	11	.
432	2033	12	.
433	2034	1	.
434	2034	2	.
435	2034	3	.
436	2034	4	.
437	2034	5	.
438	2034	6	.
439	2034	7	.
440	2034	8	.
441	2034	9	.
442	2034	10	.
443	2034	11	.
444	2034	12	.
445	2035	1	.
446	2035	2	.
447	2035	3	.
448	2035	4	.
449	2035	5	.
450	2035	6	.

KENTUCKY POWER COMPANY
OTHER ULTIMATE ENERGY SALES
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	eu_kpc
451	2035	7	.
452	2035	8	.
453	2035	9	.
454	2035	10	.
455	2035	11	.
456	2035	12	.
457	2036	1	.
458	2036	2	.
459	2036	3	.
460	2036	4	.
461	2036	5	.
462	2036	6	.
463	2036	7	.
464	2036	8	.
465	2036	9	.
466	2036	10	.
467	2036	11	.
468	2036	12	.
469	2037	1	.
470	2037	2	.
471	2037	3	.
472	2037	4	.
473	2037	5	.
474	2037	6	.
475	2037	7	.
476	2037	8	.
477	2037	9	.
478	2037	10	.
479	2037	11	.
480	2037	12	.
481	2038	1	.
482	2038	2	.
483	2038	3	.
484	2038	4	.
485	2038	5	.
486	2038	6	.
487	2038	7	.
488	2038	8	.
489	2038	9	.
490	2038	10	.
491	2038	11	.
492	2038	12	.
493	2039	1	.
494	2039	2	.
495	2039	3	.
496	2039	4	.
497	2039	5	.
498	2039	6	.
499	2039	7	.
500	2039	8	.

KENTUCKY POWER COMPANY
OTHER ULTIMATE ENERGY SALES
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	eu_kpc
501	2039	9	.
502	2039	10	.
503	2039	11	.
504	2039	12	.
505	2040	1	.
506	2040	2	.
507	2040	3	.
508	2040	4	.
509	2040	5	.
510	2040	6	.
511	2040	7	.
512	2040	8	.
513	2040	9	.
514	2040	10	.
515	2040	11	.
516	2040	12	.
517	2041	1	.
518	2041	2	.
519	2041	3	.
520	2041	4	.
521	2041	5	.
522	2041	6	.
523	2041	7	.
524	2041	8	.
525	2041	9	.
526	2041	10	.
527	2041	11	.
528	2041	12	.
529	2042	1	.
530	2042	2	.
531	2042	3	.
532	2042	4	.
533	2042	5	.
534	2042	6	.
535	2042	7	.
536	2042	8	.
537	2042	9	.
538	2042	10	.
539	2042	11	.
540	2042	12	.
541	2043	1	.
542	2043	2	.
543	2043	3	.
544	2043	4	.
545	2043	5	.
546	2043	6	.
547	2043	7	.
548	2043	8	.
549	2043	9	.
550	2043	10	.

KENTUCKY POWER COMPANY
OTHER ULTIMATE ENERGY SALES
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	eu_kpc
551	2043	11	.
552	2043	12	.
553	2044	1	.
554	2044	2	.
555	2044	3	.
556	2044	4	.
557	2044	5	.
558	2044	6	.
559	2044	7	.
560	2044	8	.
561	2044	9	.
562	2044	10	.
563	2044	11	.
564	2044	12	.
565	2045	1	.
566	2045	2	.
567	2045	3	.
568	2045	4	.
569	2045	5	.
570	2045	6	.
571	2045	7	.
572	2045	8	.
573	2045	9	.
574	2045	10	.
575	2045	11	.
576	2045	12	.
577	2046	1	.
578	2046	2	.
579	2046	3	.
580	2046	4	.
581	2046	5	.
582	2046	6	.
583	2046	7	.
584	2046	8	.
585	2046	9	.
586	2046	10	.
587	2046	11	.
588	2046	12	.
589	2047	1	.
590	2047	2	.
591	2047	3	.
592	2047	4	.
593	2047	5	.
594	2047	6	.
595	2047	7	.
596	2047	8	.
597	2047	9	.
598	2047	10	.
599	2047	11	.
600	2047	12	.

KENTUCKY POWER COMPANY
OTHER ULTIMATE ENERGY SALES
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	eu_kpc
601	2048	1	.
602	2048	2	.
603	2048	3	.
604	2048	4	.
605	2048	5	.
606	2048	6	.
607	2048	7	.
608	2048	8	.
609	2048	9	.
610	2048	10	.
611	2048	11	.
612	2048	12	.
613	2049	1	.
614	2049	2	.
615	2049	3	.
616	2049	4	.
617	2049	5	.
618	2049	6	.
619	2049	7	.
620	2049	8	.
621	2049	9	.
622	2049	10	.
623	2049	11	.
624	2049	12	.
625	2050	1	.
626	2050	2	.
627	2050	3	.
628	2050	4	.
629	2050	5	.
630	2050	6	.
631	2050	7	.
632	2050	8	.
633	2050	9	.
634	2050	10	.
635	2050	11	.
636	2050	12	.
637	2051	1	.
638	2051	2	.
639	2051	3	.
640	2051	4	.
641	2051	5	.
642	2051	6	.
643	2051	7	.
644	2051	8	.
645	2051	9	.
646	2051	10	.
647	2051	11	.
648	2051	12	.
649	2052	1	.
650	2052	2	.

KENTUCKY POWER COMPANY
OTHER ULTIMATE ENERGY SALES
ENDOGENOUS VARIABLES

Obs	YEAR	MONTH	eu_kpc
651	2052	3	.
652	2052	4	.
653	2052	5	.
654	2052	6	.
655	2052	7	.
656	2052	8	.
657	2052	9	.
658	2052	10	.
659	2052	11	.
660	2052	12	.
661	2053	1	.
662	2053	2	.
663	2053	3	.
664	2053	4	.
665	2053	5	.
666	2053	6	.
667	2053	7	.
668	2053	8	.
669	2053	9	.
670	2053	10	.
671	2053	11	.
672	2053	12	.
673	2054	1	.
674	2054	2	.
675	2054	3	.
676	2054	4	.
677	2054	5	.
678	2054	6	.
679	2054	7	.
680	2054	8	.
681	2054	9	.
682	2054	10	.
683	2054	11	.
684	2054	12	.

KENTUCKY POWER COMPANY
 OTHER ULTIMATE ENERGY SALES
 EXOGENOUS VARIABLES

The MEANS Procedure

Variable	Label	Mean
YEAR	YEAR	2026.00
MONTH	MONTH	6.5000000
L_KPC	SERVICE AREA EMPLOYMENT	129.7981129
d052on	BINARY VARIABLE-2005 2ND QTR ON	0.8728070
d1	BINARY VARIABLE-JANUARY	0.0833333
d2	BINARY VARIABLE-FEBRUARY	0.0833333
d3	BINARY VARIABLE-MARCH	0.0833333
d4	BINARY VARIABLE-APRIL	0.0833333
d5	BINARY VARIABLE-MAY	0.0833333
d6	BINARY VARIABLE-JUNE	0.0833333
d7	BINARY VARIABLE-JULY	0.0833333
d8	BINARY VARIABLE-AUGUST	0.0833333
d9	BINARY VARIABLE-SEPTEMBER	0.0833333
d10	BINARY VARIABLE-OCTOBER	0.0833333
d11	BINARY VARIABLE-NOVEMBER	0.0833333
sep07	BINARY VARIABLE-SEPTEMBER 2007	0.0014620
aug07	BINARY VARIABLE-AUGUST 2007	0.0014620
jan11on	BINARY VARIABLE-JANUARY 2011 ON	0.7719298
mar16on	BINARY VARIABLE-MARCH 2016 ON	0.6812865
apr18on	BINARY VARIABLE-APRIL 2018 ON	0.6447368

KENTUCKY POWER COMPANY
OTHER ULTIMATE ENERGY SALES
EXOGENOUS VARIABLES

Obs	YEAR	MONTH	L_KPC	d052on	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	sep07	aug07	jan1on	mar16on	apr18on
151	2010	7	140.365	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
152	2010	8	140.442	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
153	2010	9	140.516	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
154	2010	10	140.587	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
155	2010	11	140.660	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
156	2010	12	140.724	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	2011	1	140.776	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
158	2011	2	140.814	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
159	2011	3	140.836	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0
160	2011	4	140.841	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0
161	2011	5	140.823	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0
162	2011	6	140.780	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0
163	2011	7	140.710	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0
164	2011	8	140.609	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0
165	2011	9	140.478	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
166	2011	10	140.321	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0
167	2011	11	140.135	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
168	2011	12	139.919	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
169	2012	1	139.675	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
170	2012	2	139.415	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
171	2012	3	139.124	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0
172	2012	4	138.808	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0
173	2012	5	138.468	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0
174	2012	6	138.100	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0
175	2012	7	137.711	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0
176	2012	8	137.295	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0
177	2012	9	136.866	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
178	2012	10	136.430	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0
179	2012	11	135.986	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
180	2012	12	135.544	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
181	2013	1	135.094	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
182	2013	2	134.677	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
183	2013	3	134.272	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0
184	2013	4	133.873	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0
185	2013	5	133.495	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0
186	2013	6	133.147	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0
187	2013	7	132.832	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0
188	2013	8	132.545	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0
189	2013	9	132.296	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
190	2013	10	132.077	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0
191	2013	11	131.886	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
192	2013	12	131.720	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
193	2014	1	131.573	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
194	2014	2	131.451	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
195	2014	3	131.348	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0
196	2014	4	131.256	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0
197	2014	5	131.174	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0
198	2014	6	131.106	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0
199	2014	7	131.043	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0
200	2014	8	130.985	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0

KENTUCKY POWER COMPANY
 OTHER ULTIMATE ENERGY SALES
 EXOGENOUS VARIABLES

Obs	YEAR	MONTH	L_KPC	d052on	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	sep07	aug07	jan1on	mar16on	apr18on
201	2014	9	130.929	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
202	2014	10	130.863	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0
203	2014	11	130.790	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
204	2014	12	130.697	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
205	2015	1	130.585	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
206	2015	2	130.457	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
207	2015	3	130.294	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0
208	2015	4	130.094	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0
209	2015	5	129.852	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0
210	2015	6	129.568	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0
211	2015	7	129.234	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0
212	2015	8	128.848	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0
213	2015	9	128.427	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
214	2015	10	127.977	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0
215	2015	11	127.510	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
216	2015	12	127.034	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
217	2016	1	126.548	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
218	2016	2	126.092	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
219	2016	3	125.654	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0
220	2016	4	125.239	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0
221	2016	5	124.862	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0
222	2016	6	124.534	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0
223	2016	7	124.265	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0
224	2016	8	124.051	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0
225	2016	9	123.896	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0
226	2016	10	123.782	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0
227	2016	11	123.707	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0
228	2016	12	123.663	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
229	2017	1	123.638	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
230	2017	2	123.630	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0
231	2017	3	123.622	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0
232	2017	4	123.618	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0
233	2017	5	123.601	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0
234	2017	6	123.572	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0
235	2017	7	123.516	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0
236	2017	8	123.433	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0
237	2017	9	123.330	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0
238	2017	10	123.217	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0
239	2017	11	123.087	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0
240	2017	12	122.956	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
241	2018	1	122.825	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
242	2018	2	122.706	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0
243	2018	3	122.599	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0
244	2018	4	122.502	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
245	2018	5	122.433	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
246	2018	6	122.389	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
247	2018	7	122.377	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
248	2018	8	122.401	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
249	2018	9	122.452	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1
250	2018	10	122.526	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1

KENTUCKY POWER COMPANY
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Obs	YEAR	MONTH	L_KPC	d052on	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	sep07	aug07	jan1on	mar16on	apr18on
251	2018	11	122.622	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
252	2018	12	122.728	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
253	2019	1	122.849	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
254	2019	2	122.963	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
255	2019	3	123.080	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
256	2019	4	123.193	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
257	2019	5	123.295	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
258	2019	6	123.377	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
259	2019	7	123.441	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
260	2019	8	123.478	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
261	2019	9	123.495	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1
262	2019	10	123.491	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
263	2019	11	123.472	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
264	2019	12	123.433	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
265	2020	1	123.382	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
266	2020	2	123.323	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
267	2020	3	123.249	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
268	2020	4	123.167	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
269	2020	5	123.082	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
270	2020	6	122.987	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
271	2020	7	122.892	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
272	2020	8	122.795	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
273	2020	9	122.700	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1
274	2020	10	122.606	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
275	2020	11	122.517	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
276	2020	12	122.432	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
277	2021	1	122.349	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
278	2021	2	122.284	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
279	2021	3	122.221	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
280	2021	4	122.168	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
281	2021	5	122.127	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
282	2021	6	122.099	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
283	2021	7	122.085	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
284	2021	8	122.084	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
285	2021	9	122.096	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1
286	2021	10	122.119	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
287	2021	11	122.149	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
288	2021	12	122.185	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
289	2022	1	122.230	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
290	2022	2	122.273	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
291	2022	3	122.320	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
292	2022	4	122.366	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
293	2022	5	122.411	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
294	2022	6	122.451	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
295	2022	7	122.485	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
296	2022	8	122.511	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
297	2022	9	122.535	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1
298	2022	10	122.549	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
299	2022	11	122.561	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
300	2022	12	122.570	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1

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Obs	YEAR	MONTH	L_KPC	d052on	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	sep07	aug07	jan1on	mar16on	apr18on
301	2023	1	122.575	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
302	2023	2	122.576	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
303	2023	3	122.578	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
304	2023	4	122.580	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
305	2023	5	122.579	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
306	2023	6	122.583	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
307	2023	7	122.585	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
308	2023	8	122.589	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
309	2023	9	122.596	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1
310	2023	10	122.603	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
311	2023	11	122.611	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
312	2023	12	122.622	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
313	2024	1	122.633	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
314	2024	2	122.647	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
315	2024	3	122.657	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
316	2024	4	122.668	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
317	2024	5	122.676	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
318	2024	6	122.690	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
319	2024	7	122.701	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
320	2024	8	122.710	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
321	2024	9	122.719	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1
322	2024	10	122.725	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
323	2024	11	122.735	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
324	2024	12	122.739	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
325	2025	1	122.746	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
326	2025	2	122.751	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
327	2025	3	122.756	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
328	2025	4	122.761	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
329	2025	5	122.765	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
330	2025	6	122.769	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
331	2025	7	122.770	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
332	2025	8	122.774	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
333	2025	9	122.777	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1
334	2025	10	122.780	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
335	2025	11	122.782	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
336	2025	12	122.784	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
337	2026	1	122.782	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
338	2026	2	122.784	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
339	2026	3	122.786	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
340	2026	4	122.787	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
341	2026	5	122.787	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
342	2026	6	122.787	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
343	2026	7	122.786	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
344	2026	8	122.784	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
345	2026	9	122.786	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1
346	2026	10	122.784	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
347	2026	11	122.783	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
348	2026	12	122.781	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
349	2027	1	122.780	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
350	2027	2	122.782	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1

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Obs	YEAR	MONTH	L_KPC	d052on	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	sep07	aug07	jan1on	mar16on	apr18on
351	2027	3	122.779	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
352	2027	4	122.780	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
353	2027	5	122.783	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
354	2027	6	122.783	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
355	2027	7	122.785	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
356	2027	8	122.788	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
357	2027	9	122.790	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
358	2027	10	122.794	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
359	2027	11	122.798	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1
360	2027	12	122.803	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
361	2028	1	122.809	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
362	2028	2	122.814	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
363	2028	3	122.820	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
364	2028	4	122.830	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
365	2028	5	122.836	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
366	2028	6	122.844	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
367	2028	7	122.853	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
368	2028	8	122.860	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
369	2028	9	122.872	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
370	2028	10	122.882	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
371	2028	11	122.891	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1
372	2028	12	122.901	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
373	2029	1	122.913	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
374	2029	2	122.926	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
375	2029	3	122.937	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
376	2029	4	122.950	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
377	2029	5	122.962	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
378	2029	6	122.975	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
379	2029	7	122.988	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
380	2029	8	123.000	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
381	2029	9	123.013	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
382	2029	10	123.027	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
383	2029	11	123.036	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1
384	2029	12	123.048	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
385	2030	1	123.061	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
386	2030	2	123.076	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
387	2030	3	123.086	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
388	2030	4	123.095	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
389	2030	5	123.107	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
390	2030	6	123.118	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
391	2030	7	123.124	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
392	2030	8	123.133	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
393	2030	9	123.140	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
394	2030	10	123.147	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
395	2030	11	123.151	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1
396	2030	12	123.156	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
397	2031	1	123.164	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
398	2031	2	123.167	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
399	2031	3	123.171	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
400	2031	4	123.175	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1

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Obs	YEAR	MONTH	L_KPC	d052on	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	sep07	aug07	jan1on	mar16on	apr18on
401	2031	5	123.179	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
402	2031	6	123.181	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
403	2031	7	123.185	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
404	2031	8	123.185	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
405	2031	9	123.190	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1
406	2031	10	123.195	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
407	2031	11	123.198	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
408	2031	12	123.200	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
409	2032	1	123.201	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
410	2032	2	123.207	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
411	2032	3	123.215	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
412	2032	4	123.216	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
413	2032	5	123.225	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
414	2032	6	123.230	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
415	2032	7	123.236	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
416	2032	8	123.247	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
417	2032	9	123.255	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1
418	2032	10	123.264	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
419	2032	11	123.275	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
420	2032	12	123.286	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
421	2033	1	123.296	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
422	2033	2	123.308	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
423	2033	3	123.319	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
424	2033	4	123.332	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
425	2033	5	123.345	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
426	2033	6	123.357	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
427	2033	7	123.372	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
428	2033	8	123.384	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
429	2033	9	123.397	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1
430	2033	10	123.409	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
431	2033	11	123.424	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
432	2033	12	123.438	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
433	2034	1	123.452	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
434	2034	2	123.465	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
435	2034	3	123.479	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
436	2034	4	123.493	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
437	2034	5	123.506	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
438	2034	6	123.520	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
439	2034	7	123.533	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
440	2034	8	123.545	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
441	2034	9	123.563	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1
442	2034	10	123.578	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
443	2034	11	123.593	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
444	2034	12	123.608	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
445	2035	1	123.623	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
446	2035	2	123.638	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
447	2035	3	123.657	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
448	2035	4	123.670	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
449	2035	5	123.687	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
450	2035	6	123.704	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1

KENTUCKY POWER COMPANY
 OTHER ULTIMATE ENERGY SALES
 EXOGENOUS VARIABLES

Obs	YEAR	MONTH	L_KPC	d052on	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	sep07	aug07	jan1on	mar16on	apr18on
451	2035	7	123.720	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
452	2035	8	123.735	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
453	2035	9	123.753	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1
454	2035	10	123.769	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
455	2035	11	123.791	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
456	2035	12	123.807	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
457	2036	1	123.824	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
458	2036	2	123.841	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
459	2036	3	123.860	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
460	2036	4	123.877	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
461	2036	5	123.893	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
462	2036	6	123.911	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
463	2036	7	123.931	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
464	2036	8	123.947	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
465	2036	9	123.966	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1
466	2036	10	123.983	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
467	2036	11	124.002	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
468	2036	12	124.018	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
469	2037	1	124.035	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
470	2037	2	124.052	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
471	2037	3	124.068	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
472	2037	4	124.088	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
473	2037	5	124.106	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
474	2037	6	124.123	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
475	2037	7	124.140	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
476	2037	8	124.160	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
477	2037	9	124.180	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1
478	2037	10	124.197	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
479	2037	11	124.216	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
480	2037	12	124.236	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
481	2038	1	124.256	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
482	2038	2	124.276	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
483	2038	3	124.294	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
484	2038	4	124.315	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
485	2038	5	124.334	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
486	2038	6	124.352	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
487	2038	7	124.375	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
488	2038	8	124.396	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
489	2038	9	124.416	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1
490	2038	10	124.439	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
491	2038	11	124.461	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
492	2038	12	124.483	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
493	2039	1	124.507	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
494	2039	2	124.531	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
495	2039	3	124.552	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
496	2039	4	124.576	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
497	2039	5	124.601	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
498	2039	6	124.627	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
499	2039	7	124.654	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
500	2039	8	124.682	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1

KENTUCKY POWER COMPANY
OTHER ULTIMATE ENERGY SALES
EXOGENOUS VARIABLES

Obs	YEAR	MONTH	L_KPC	d052on	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	sep07	aug07	jan1on	mar16on	apr18on
501	2039	9	124.709	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
502	2039	10	124.740	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
503	2039	11	124.769	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
504	2039	12	124.797	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
505	2040	1	124.828	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
506	2040	2	124.859	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
507	2040	3	124.887	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
508	2040	4	124.919	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
509	2040	5	124.947	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
510	2040	6	124.976	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
511	2040	7	125.008	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
512	2040	8	125.038	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
513	2040	9	125.067	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1
514	2040	10	125.094	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
515	2040	11	125.122	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
516	2040	12	125.152	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
517	2041	1	125.180	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
518	2041	2	125.206	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
519	2041	3	125.232	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
520	2041	4	125.258	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
521	2041	5	125.283	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
522	2041	6	125.310	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
523	2041	7	125.333	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
524	2041	8	125.356	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
525	2041	9	125.381	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1
526	2041	10	125.402	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
527	2041	11	125.424	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
528	2041	12	125.446	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
529	2042	1	125.469	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
530	2042	2	125.487	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
531	2042	3	125.506	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
532	2042	4	125.527	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
533	2042	5	125.544	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
534	2042	6	125.563	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
535	2042	7	125.579	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
536	2042	8	125.596	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
537	2042	9	125.613	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1
538	2042	10	125.628	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
539	2042	11	125.645	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
540	2042	12	125.660	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
541	2043	1	125.676	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
542	2043	2	125.692	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
543	2043	3	125.705	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
544	2043	4	125.719	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
545	2043	5	125.738	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
546	2043	6	125.751	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
547	2043	7	125.766	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
548	2043	8	125.780	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
549	2043	9	125.796	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1
550	2043	10	125.813	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1

KENTUCKY POWER COMPANY
OTHER ULTIMATE ENERGY SALES
EXOGENOUS VARIABLES

Obs	YEAR	MONTH	L_KPC	d052on	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	sep07	aug07	jan1on	mar16on	apr18on
551	2043	11	125.829	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
552	2043	12	125.843	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
553	2044	1	125.861	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
554	2044	2	125.875	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
555	2044	3	125.891	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
556	2044	4	125.909	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
557	2044	5	125.926	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
558	2044	6	125.941	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
559	2044	7	125.957	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
560	2044	8	125.974	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
561	2044	9	125.990	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1
562	2044	10	126.004	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
563	2044	11	126.022	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
564	2044	12	126.035	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
565	2045	1	126.053	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
566	2045	2	126.068	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
567	2045	3	126.083	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
568	2045	4	126.100	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
569	2045	5	126.116	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
570	2045	6	126.133	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
571	2045	7	126.147	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
572	2045	8	126.162	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
573	2045	9	126.181	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1
574	2045	10	126.195	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
575	2045	11	126.212	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
576	2045	12	126.226	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
577	2046	1	126.243	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
578	2046	2	126.258	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
579	2046	3	126.275	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
580	2046	4	126.290	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
581	2046	5	126.305	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
582	2046	6	126.323	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
583	2046	7	126.338	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
584	2046	8	126.353	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
585	2046	9	126.369	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1
586	2046	10	126.387	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
587	2046	11	126.401	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
588	2046	12	126.416	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
589	2047	1	126.435	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
590	2047	2	126.449	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
591	2047	3	126.463	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
592	2047	4	126.478	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
593	2047	5	126.495	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
594	2047	6	126.509	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
595	2047	7	126.528	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
596	2047	8	126.547	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
597	2047	9	126.560	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1
598	2047	10	126.576	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
599	2047	11	126.593	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
600	2047	12	126.608	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1

KENTUCKY POWER COMPANY
OTHER ULTIMATE ENERGY SALES
EXOGENOUS VARIABLES

Obs	YEAR	MONTH	L_KPC	d052on	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	sep07	aug07	jan1on	mar16on	apr18on
601	2048	1	126.622	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
602	2048	2	126.639	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
603	2048	3	126.656	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
604	2048	4	126.670	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
605	2048	5	126.687	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
606	2048	6	126.701	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
607	2048	7	126.716	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
608	2048	8	126.732	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
609	2048	9	126.748	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1
610	2048	10	126.764	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
611	2048	11	126.782	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
612	2048	12	126.797	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
613	2049	1	126.810	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
614	2049	2	126.830	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
615	2049	3	126.850	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
616	2049	4	126.863	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
617	2049	5	126.880	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
618	2049	6	126.894	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
619	2049	7	126.905	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
620	2049	8	126.918	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
621	2049	9	126.937	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1
622	2049	10	126.953	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
623	2049	11	126.972	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
624	2049	12	126.987	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
625	2050	1	126.998	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
626	2050	2	127.021	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
627	2050	3	127.044	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
628	2050	4	127.056	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
629	2050	5	127.073	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
630	2050	6	127.087	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
631	2050	7	127.094	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
632	2050	8	127.104	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
633	2050	9	127.126	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1
634	2050	10	127.142	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
635	2050	11	127.162	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
636	2050	12	127.177	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
637	2051	1	127.187	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
638	2051	2	127.213	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
639	2051	3	127.239	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
640	2051	4	127.250	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
641	2051	5	127.267	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
642	2051	6	127.281	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
643	2051	7	127.284	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
644	2051	8	127.291	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
645	2051	9	127.316	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1
646	2051	10	127.332	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
647	2051	11	127.353	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
648	2051	12	127.368	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
649	2052	1	127.377	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
650	2052	2	127.406	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1

KENTUCKY POWER COMPANY
 OTHER ULTIMATE ENERGY SALES
 EXOGENOUS VARIABLES

Obs	YEAR	MONTH	L_KPC	d052on	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	sep07	aug07	jan11on	mar16on	apr18on
651	2052	3	127.435	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
652	2052	4	127.445	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
653	2052	5	127.462	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
654	2052	6	127.476	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
655	2052	7	127.475	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
656	2052	8	127.479	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
657	2052	9	127.507	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
658	2052	10	127.523	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
659	2052	11	127.545	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1
660	2052	12	127.560	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
661	2053	1	127.568	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
662	2053	2	127.600	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
663	2053	3	127.632	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
664	2053	4	127.641	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
665	2053	5	127.658	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
666	2053	6	127.672	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
667	2053	7	127.667	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
668	2053	8	127.668	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
669	2053	9	127.699	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
670	2053	10	127.715	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
671	2053	11	127.738	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1
672	2053	12	127.753	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
673	2054	1	127.759	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
674	2054	2	127.795	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
675	2054	3	127.829	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
676	2054	4	127.838	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
677	2054	5	127.855	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
678	2054	6	127.868	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1
679	2054	7	127.859	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1
680	2054	8	127.857	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1
681	2054	9	127.891	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
682	2054	10	127.907	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
683	2054	11	127.931	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1
684	2054	12	127.946	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1

KENTUCKY POWER COMPANY
 OTHER ULTIMATE ENERGY SALES
 EXOGENOUS VARIABLES
 MODEL ESTIMATION

The SYSLIN Procedure
 Ordinary Least Squares Estimation

Model eu_kpc
 Dependent Variable eu_kpc

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	18	6.025987	0.334777	151.81	<.0001
Error	234	0.516028	0.002205		
Corrected Total	252	6.542015			

Root MSE	0.04696	R-Square	0.92112
Dependent Mean	0.88057	Adj R-Sq	0.91505
Coeff Var	5.33291		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variable Label
Intercept	1	0.953347	0.719555	1.32	0.1865	Intercept
LL	1	0.039940	0.144970	0.28	0.7832	SERVICE AREA EMPLOYMENT, LOG
d1	1	-0.02869	0.014336	-2.00	0.0465	BINARY VARIABLE-JANUARY
d2	1	-0.17772	0.014518	-12.24	<.0001	BINARY VARIABLE-FEBRUARY
d3	1	-0.18177	0.014537	-12.50	<.0001	BINARY VARIABLE-MARCH
d4	1	-0.29811	0.014505	-20.55	<.0001	BINARY VARIABLE-APRIL
d5	1	-0.39549	0.014502	-27.27	<.0001	BINARY VARIABLE-MAY
d6	1	-0.45736	0.014500	-31.54	<.0001	BINARY VARIABLE-JUNE
d7	1	-0.41626	0.014497	-28.71	<.0001	BINARY VARIABLE-JULY
d8	1	-0.35245	0.014676	-24.02	<.0001	BINARY VARIABLE-AUGUST
d9	1	-0.27645	0.014675	-18.84	<.0001	BINARY VARIABLE-SEPTEMBER
d10	1	-0.14866	0.014493	-10.26	<.0001	BINARY VARIABLE-OCTOBER
d11	1	-0.10024	0.014492	-6.92	<.0001	BINARY VARIABLE-NOVEMBER

KENTUCKY POWER COMPANY
 OTHER ULTIMATE ENERGY SALES
 EXOGENOUS VARIABLES
 MODEL ESTIMATION

The SYSLIN Procedure
 Ordinary Least Squares Estimation

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variable Label
sep07	1	0.470447	0.048424	9.72	<.0001	BINARY VARIABLE-SEPTEMBER 2007
aug07	1	-0.26540	0.048416	-5.48	<.0001	BINARY VARIABLE-AUGUST 2007
d052on	1	-0.07717	0.007753	-9.95	<.0001	BINARY VARIABLE-2005 2ND QTR ON
jan11on	1	0.043967	0.013778	3.19	0.0016	BINARY VARIABLE-JANUARY 2011 ON
mar16on	1	-0.00717	0.016092	-0.45	0.6565	BINARY VARIABLE-MARCH 2016 ON
apr18on	1	-0.01164	0.017698	-0.66	0.5114	BINARY VARIABLE-APRIL 2018 ON

Durbin-Watson	2.030153
Number of Observations	253
First-Order Autocorrelation	-0.01858

KENTUCKY POWER COMPANY
 OTHER ULTIMATE ENERGY SALES
 MODEL RESIDUALS

time		Residual Values
		Sum
1998.000000	*****	-0.059145
1998.0833333	*****	-0.066163
1998.1666667	*****	-0.067729
1998.2500000	*****	-0.051555
1998.3333333	**	-0.017056
1998.4166667	*	-0.014342
1998.5000000	**	-0.019302
1998.5833333	***	-0.027562
1998.6666667	***	-0.031030
1998.7500000	*****	-0.051573
1998.8333333	*****	-0.048201
1998.9166667	****	-0.041820
1999.0000000	***	-0.030634
1999.0833333	****	-0.037060
1999.1666667	****	-0.037707
1999.2500000	***	-0.033830
1999.3333333	*	-0.013121
1999.4166667		-0.000644
1999.5000000	*	-0.005469
1999.5833333		0.001052
1999.6666667	**	-0.024911
1999.7500000	***	-0.029132
1999.8333333	****	-0.036420
1999.9166667	****	-0.040912
2000.0000000	**	-0.018216
2000.0833333	****	-0.035060
2000.1666667	***	-0.030448
2000.2500000	****	-0.035321
2000.3333333		-0.000337
2000.4166667	*	0.011877
2000.5000000	*	0.009324
2000.5833333		0.004478
2000.6666667	*	0.014932
2000.7500000	***	-0.029178
2000.8333333	**	-0.022060
2000.9166667	**	-0.021945
2001.0000000		-0.000864
2001.0833333		-0.004666
2001.1666667	*	-0.008391
2001.2500000		-0.003495
2001.3333333	***	0.029290
2001.4166667	****	0.041113
2001.5000000	**	0.022248
2001.5833333	***	0.027372
2001.6666667	**	0.024188
2001.7500000		0.000563
2001.8333333	*****	0.054560
2001.9166667	**	0.018713
2002.0000000	****	0.039022

KENTUCKY POWER COMPANY
 OTHER ULTIMATE ENERGY SALES
 MODEL RESIDUALS

2002.0833333	**	0.016600
2002.1666667	*	0.010542
2002.2500000	***	0.025924
2002.3333333	****	0.037147
2002.4166667	*****	0.046861
2002.5000000	****	0.042851
2002.5833333	****	0.039757
2002.6666667	****	0.037689
2002.7500000	**	0.021145
2002.8333333	***	0.029455
2002.9166667	*	0.010001
2003.0000000	*****	0.047983
2003.0833333	**	0.016952
2003.1666667	*	0.008612
2003.2500000	*	0.013461
2003.3333333	****	0.042668
2003.4166667	*****	0.047790
2003.5000000	***	0.029324
2003.5833333	***	0.026561
2003.6666667	***	0.027513
2003.7500000	*	0.006830
2003.8333333		-0.001577
2003.9166667	***	-0.028813
2004.0000000	*****	0.062621
2004.0833333		0.004325
2004.1666667		-0.000412
2004.2500000	*	0.012386
2004.3333333		0.001135
2004.4166667	***	0.030611
2004.5000000	*	0.011187
2004.5833333	*	0.010169
2004.6666667	*	0.010551
2004.7500000	*	-0.006501
2004.8333333		0.000003
2004.9166667	*	0.005746
2005.0000000	**	0.021680
2005.0833333	*	-0.007718
2005.1666667	*	-0.014492
2005.2500000	**	0.016633
2005.3333333	*	0.005949
2005.4166667		-0.000979
2005.5000000	**	-0.021296
2005.5833333	*	-0.007687
2005.6666667	*****	-0.104872
2005.7500000	*****	-0.125616
2005.8333333	*****	0.132845
2005.9166667	*****	-0.048920
2006.0000000	**	-0.022107
2006.0833333	*	-0.009122
2006.1666667	****	-0.035634
2006.2500000	****	-0.035363
2006.3333333	**	-0.020619

KENTUCKY POWER COMPANY
 OTHER ULTIMATE ENERGY SALES
 MODEL RESIDUALS

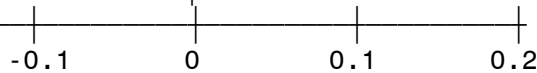
2006.4166667	*	-0.008283
2006.5000000	**	-0.023265
2006.5833333	*	-0.011922
2006.6666667	*	-0.014384
2006.7500000	**	-0.017378
2006.8333333	**	-0.022003
2006.9166667	****	-0.035379
2007.0000000	*	-0.007571
2007.0833333	*	-0.014291
2007.1666667	**	-0.024411
2007.2500000	***	-0.026113
2007.3333333		-0.003211
2007.4166667	*****	-0.054730
2007.5000000	*****	-0.129785
2007.5833333		-0.000000
2007.6666667		-0.000000
2007.7500000	*****	0.049528
2007.8333333	*****	-0.063628
2007.9166667	*	0.013812
2008.0000000	*****	0.053098
2008.0833333	****	0.041309
2008.1666667		0.003321
2008.2500000	****	0.038184
2008.3333333	***	-0.034724
2008.4166667	****	-0.043066
2008.5000000	*****	0.084305
2008.5833333	*****	0.048334
2008.6666667	*****	-0.058063
2008.7500000	*****	0.059352
2008.8333333	*****	-0.137229
2008.9166667	*****	0.168633
2009.0000000	*****	-0.072157
2009.0833333	**	0.021677
2009.1666667	*****	0.094307
2009.2500000	***	-0.033833
2009.3333333	**	-0.020715
2009.4166667	*****	0.070193
2009.5000000	****	-0.037407
2009.5833333	****	-0.043575
2009.6666667	*****	0.117338
2009.7500000	*****	0.049230
2009.8333333	**	0.022072
2009.9166667	**	0.015421
2010.0000000	*****	-0.143149
2010.0833333	*****	0.204323
2010.1666667	*	0.012355
2010.2500000	*	0.006572
2010.3333333	***	0.027891
2010.4166667	*****	-0.099848
2010.5000000	*****	0.203725
2010.5833333	**	0.021236
2010.6666667	*	-0.010449

KENTUCKY POWER COMPANY
 OTHER ULTIMATE ENERGY SALES
 MODEL RESIDUALS

2010.7500000	**	0.015625
2010.8333333	*****	0.054394
2010.9166667	***	-0.028880
2011.0000000	*****	-0.095918
2011.0833333	*****	-0.178731
2011.1666667	*****	0.099124
2011.2500000	*****	0.200279
2011.3333333	*	-0.012544
2011.4166667		-0.002690
2011.5000000	*****	-0.069840
2011.5833333	*****	-0.056809
2011.6666667	*	0.013084
2011.7500000	*****	0.104875
2011.8333333	*	0.009114
2011.9166667		0.001625
2012.0000000	**	0.023442
2012.0833333	*	0.006814
2012.1666667		-0.004012
2012.2500000	**	-0.019221
2012.3333333		-0.003783
2012.4166667	*	-0.008221
2012.5000000	*	-0.014285
2012.5833333	**	-0.017556
2012.6666667		-0.003363
2012.7500000	*	-0.005666
2012.8333333		0.002706
2012.9166667		-0.001455
2013.0000000	***	0.034164
2013.0833333	*	0.011293
2013.1666667		0.003598
2013.2500000	*	-0.006988
2013.3333333		0.001375
2013.4166667		0.002007
2013.5000000	*	-0.008481
2013.5833333		-0.003451
2013.6666667		0.003738
2013.7500000		-0.003441
2013.8333333	*	0.009224
2013.9166667	*	0.013579
2014.0000000	****	0.037368
2014.0833333	*	0.009093
2014.1666667		0.001764
2014.2500000	**	-0.022692
2014.3333333		-0.001268
2014.4166667	*	-0.005504
2014.5000000	**	-0.020044
2014.5833333		-0.003201
2014.6666667	**	-0.024331
2014.7500000	*	-0.011891
2014.8333333	*	0.005428
2014.9166667	*	0.008643
2015.0000000	***	0.032236

KENTUCKY POWER COMPANY
OTHER ULTIMATE ENERGY SALES
MODEL RESIDUALS

2015.0833333		0.004954
2015.1666667		-0.003439
2015.2500000	*	-0.013930
2015.3333333	*	-0.010218
2015.4166667	*	-0.006354
2015.5000000	**	-0.017443
2015.5833333		-0.004599
2015.6666667		-0.001739
2015.7500000		-0.000852
2015.8333333		0.000519
2015.9166667		-0.002429
2016.0000000	***	0.026207
2016.0833333		0.000133
2016.1666667	*	-0.005351
2016.2500000	*	-0.014950
2016.3333333	*	-0.007949
2016.4166667	*	-0.009312
2016.5000000	**	-0.016908
2016.5833333		-0.003150
2016.6666667	**	0.015926
2016.7500000		-0.004896
2016.8333333	*	0.008364
2016.9166667		0.003361
2017.0000000	***	0.031851
2017.0833333	*	0.008028
2017.1666667		0.001632
2017.2500000	**	-0.017404
2017.3333333		-0.003686
2017.4166667	*	-0.005265
2017.5000000	*	-0.012568
2017.5833333		-0.003819
2017.6666667		0.002757
2017.7500000	*	-0.006766
2017.8333333	*	0.006228
2017.9166667		0.000372
2018.0000000	***	0.029424
2018.0833333	*	0.007308
2018.1666667		-0.003229
2018.2500000		0.001256
2018.3333333		0.003776
2018.4166667	*	0.008785
2018.5000000	*	-0.006872
2018.5833333		0.004371
2018.6666667	*	0.005425
2018.7500000	*	-0.014259
2018.8333333		-0.003793
2018.9166667	*	-0.009354
2019.0000000	*	0.010665



KENTUCKY POWER COMPANY
 OTHER ULTIMATE ENERGY SALES
 ACTUAL AND FORECAST

YEAR	ENERGY SALES	GROWTH RATE
1998	10.4840	.
1999	10.6918	2.0
2000	10.8321	1.3
2001	11.1928	3.3
2002	11.3500	1.4
2003	11.2248	-1.1
2004	11.1297	-0.8
2005	10.1469	-8.8
2006	9.8172	-3.2
2007	10.0154	2.0
2008	10.2947	2.8
2009	10.2380	-0.6
2010	10.3145	0.7
2011	10.5905	2.7
2012	10.5247	-0.6
2013	10.6096	0.8
2014	10.5189	-0.9
2015	10.5150	0.0
2016	10.4413	-0.7
2017	10.4320	-0.1
2018	10.3452	-0.8
2019	10.3011	-0.4
2020	10.2890	-0.1
2021	10.2860	0.0
2022	10.2871	0.0
2023	10.2876	0.0
2024	10.2880	0.0
2025	10.2883	0.0
2026	10.2884	0.0
2027	10.2884	0.0
2028	10.2887	0.0
2029	10.2892	0.0
2030	10.2897	0.0
2031	10.2900	0.0
2032	10.2902	0.0
2033	10.2907	0.0
2034	10.2913	0.0
2035	10.2920	0.0
2036	10.2928	0.0
2037	10.2936	0.0
2038	10.2945	0.0
2039	10.2956	0.0
2040	10.2969	0.0
2041	10.2982	0.0
2042	10.2992	0.0
2043	10.2999	0.0
2044	10.3006	0.0
2045	10.3013	0.0

KENTUCKY POWER COMPANY
OTHER ULTIMATE ENERGY SALES
ACTUAL AND FORECAST

YEAR	ENERGY SALES	GROWTH RATE
2046	10.3021	0
2047	10.3028	0
2048	10.3035	0
2049	10.3042	0
2050	10.3049	0
2051	10.3057	0
2052	10.3064	0
2053	10.3071	0
2054	10.3078	0

LONG-TERM MUNICIPALS

CONFIDENTIAL

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DSM/ENERGY EFFICIENCY

Kentucky Power Company
Monthly DSM Included in Load Forecast
Peak Demand (MW) and Energy (MWh)

Year	Month	Peak	
		Demand	Energy
2019	10	0.0	0.0
2019	11	0.0	0.0
2019	12	0.0	0.0
2020	1	0.0	0.0
2020	2	0.0	0.0
2020	3	0.0	0.0
2020	4	0.0	0.0
2020	5	0.0	0.0
2020	6	0.0	0.0
2020	7	0.0	0.0
2020	8	0.0	0.0
2020	9	0.0	0.0
2020	10	0.0	0.0
2020	11	0.0	0.0
2020	12	0.0	0.0
2021	1	0.0	0.0
2021	2	0.0	0.0
2021	3	0.0	0.0
2021	4	0.0	0.0
2021	5	0.0	0.0
2021	6	0.0	0.0
2021	7	0.0	0.0
2021	8	0.0	0.0
2021	9	0.0	0.0
2021	10	0.0	0.0
2021	11	0.0	0.0
2021	12	0.0	0.0

Kentucky Power Company			Monthly DSM Included in Load Forecast	
Peak Demand (MW) and Energy (MWh)				
Year	Month	Peak Demand	Energy	
2022	1	0.0	0.0	
2022	2	0.0	0.0	
2022	3	0.0	0.0	
2022	4	0.0	0.0	
2022	5	0.0	0.0	
2022	6	0.0	0.0	
2022	7	0.0	0.0	
2022	8	0.0	0.0	
2022	9	0.0	0.0	
2022	10	0.0	0.0	
2022	11	0.0	0.0	
2022	12	0.0	0.0	
2023	1	0.0	0.0	
2023	2	0.0	0.0	
2023	3	0.0	0.0	
2023	4	0.0	0.0	
2023	5	0.0	0.0	
2023	6	0.0	0.0	
2023	7	0.0	0.0	
2023	8	0.0	0.0	
2023	9	0.0	0.0	
2023	10	0.0	0.0	
2023	11	0.0	0.0	
2023	12	0.0	0.0	
2024	1	0.0	0.0	
2024	2	0.0	0.0	
2024	3	0.0	0.0	

Kentucky Power Company
Monthly DSM Included in Load Forecast
Peak Demand (MW) and Energy (MWh)

Year	Month	Peak	
		Demand	Energy
2024	4	0.0	0.0
2024	5	0.0	0.0
2024	6	0.0	0.0
2024	7	0.0	0.0
2024	8	0.0	0.0
2024	9	0.0	0.0
2024	10	0.0	0.0
2024	11	0.0	0.0
2024	12	0.0	0.0
2025	1	0.0	0.0
2025	2	0.0	0.0
2025	3	0.0	0.0
2025	4	0.0	0.0
2025	5	0.0	0.0
2025	6	0.0	0.0
2025	7	0.0	0.0
2025	8	0.0	0.0
2025	9	0.0	0.0
2025	10	0.0	0.0
2025	11	0.0	0.0
2025	12	0.0	0.0
2026	1	0.0	0.0
2026	2	0.0	0.0
2026	3	0.0	0.0
2026	4	0.0	0.0
2026	5	0.0	0.0
2026	6	0.0	0.0

Kentucky Power Company			Monthly DSM Included in Load Forecast	
Year	Month	Peak Demand	Peak Energy	
2026	7	0.0	0.0	
2026	8	0.0	0.0	
2026	9	0.0	0.0	
2026	10	0.0	0.0	
2026	11	0.0	0.0	
2026	12	0.0	0.0	
2027	1	0.0	0.0	
2027	2	0.0	0.0	
2027	3	0.0	0.0	
2027	4	0.0	0.0	
2027	5	0.0	0.0	
2027	6	0.0	0.0	
2027	7	0.0	0.0	
2027	8	0.0	0.0	
2027	9	0.0	0.0	
2027	10	0.0	0.0	
2027	11	0.0	0.0	
2027	12	0.0	0.0	
2028	1	0.0	0.0	
2028	2	0.0	0.0	
2028	3	0.0	0.0	
2028	4	0.0	0.0	
2028	5	0.0	0.0	
2028	6	0.0	0.0	
2028	7	0.0	0.0	
2028	8	0.0	0.0	
2028	9	0.0	0.0	

Kentucky Power Company			Monthly DSM Included in Load Forecast	
Peak Demand (MW) and Energy (MWh)				
Year	Month	Peak Demand	Energy	
2028	10	0.0	0.0	
2028	11	0.0	0.0	
2028	12	0.0	0.0	
2029	1	0.0	0.0	
2029	2	0.0	0.0	
2029	3	0.0	0.0	
2029	4	0.0	0.0	
2029	5	0.0	0.0	
2029	6	0.0	0.0	
2029	7	0.0	0.0	
2029	8	0.0	0.0	
2029	9	0.0	0.0	
2029	10	0.0	0.0	
2029	11	0.0	0.0	
2029	12	0.0	0.0	
2030	1	0.0	0.0	
2030	2	0.0	0.0	
2030	3	0.0	0.0	
2030	4	0.0	0.0	
2030	5	0.0	0.0	
2030	6	0.0	0.0	
2030	7	0.0	0.0	
2030	8	0.0	0.0	
2030	9	0.0	0.0	
2030	10	0.0	0.0	
2030	11	0.0	0.0	
2030	12	0.0	0.0	

Kentucky Power Company			Monthly DSM Included in Load Forecast	
Peak Demand (MW) and Energy (MWh)				
Year	Month	Peak Demand	Energy	
2031	1	0.0	0.0	
2031	2	0.0	0.0	
2031	3	0.0	0.0	
2031	4	0.0	0.0	
2031	5	0.0	0.0	
2031	6	0.0	0.0	
2031	7	0.0	0.0	
2031	8	0.0	0.0	
2031	9	0.0	0.0	
2031	10	0.0	0.0	
2031	11	0.0	0.0	
2031	12	0.0	0.0	
2032	1	0.0	0.0	
2032	2	0.0	0.0	
2032	3	0.0	0.0	
2032	4	0.0	0.0	
2032	5	0.0	0.0	
2032	6	0.0	0.0	
2032	7	0.0	0.0	
2032	8	0.0	0.0	
2032	9	0.0	0.0	
2032	10	0.0	0.0	
2032	11	0.0	0.0	
2032	12	0.0	0.0	
2033	1	0.0	0.0	
2033	2	0.0	0.0	
2033	3	0.0	0.0	

Kentucky Power Company
Monthly DSM Included in Load Forecast
Peak Demand (MW) and Energy (MWh)

Year	Month	Peak	
		Demand	Energy
2033	4	0.0	0.0
2033	5	0.0	0.0
2033	6	0.0	0.0
2033	7	0.0	0.0
2033	8	0.0	0.0
2033	9	0.0	0.0
2033	10	0.0	0.0
2033	11	0.0	0.0
2033	12	0.0	0.0
2034	1	0.0	0.0
2034	2	0.0	0.0
2034	3	0.0	0.0
2034	4	0.0	0.0
2034	5	0.0	0.0
2034	6	0.0	0.0
2034	7	0.0	0.0
2034	8	0.0	0.0
2034	9	0.0	0.0
2034	10	0.0	0.0
2034	11	0.0	0.0
2034	12	0.0	0.0

*Demand coincident with Company's monthly peak demand.

PEAK DEMAND

**Kentucky Power Company
 Summer Peak Demand (MW) Forecast by Sector**

Summer	Kentucky Power					
	Total	Residential	Commercial	Industrial	Other Retail	Wholesale
2020	1,012	465	232	298	2	15
2021	1,010	461	232	299	2	16
2022	1,031	457	231	325	2	16
2023	1,027	454	231	324	2	16
2024	1,025	452	230	324	2	16
2025	1,022	450	229	325	2	16
2026	1,020	448	228	325	2	16
2027	1,018	448	228	325	2	16
2028	1,017	447	227	325	2	16
2029	1,017	447	227	326	2	16
2030	1,017	447	226	326	2	16
2031	1,017	447	225	326	2	16
2032	1,017	448	224	327	2	16
2033	1,016	448	223	327	2	16
2034	1,017	449	223	327	2	16

**Kentucky Power Company
 Winter Peak Demand (MW) Forecast by Sector**

Winter	Kentucky Power					Other		
	Total	Residential	Commercial	Industrial	Retail	Wholesale		
2019/20	1,304	612	305	366	3	19		
2020/21	1,303	607	307	367	3	20		
2021/22	1,296	601	306	366	3	20		
2022/23	1,311	596	303	390	3	20		
2023/24	1,305	592	300	390	3	20		
2024/25	1,299	588	298	391	3	20		
2025/26	1,293	585	295	391	3	20		
2026/27	1,289	582	293	391	3	20		
2027/28	1,285	581	291	391	3	20		
2028/29	1,282	579	288	392	3	20		
2029/30	1,278	577	286	392	3	20		
2030/31	1,274	576	283	393	3	20		
2031/32	1,272	575	281	393	3	20		
2032/33	1,269	573	279	393	3	20		
2033/34	1,265	572	276	394	3	20		
2034/35	1,263	572	275	394	3	20		

Kentucky Power Company
Peak Demand Models by Sector
Model Input Glossary

Variable-Hourly Load

CDD65-Cooling Degree Days based on 65 Degrees F

CDD70-Cooling Degree Days based on 70 Degrees F

CDD65WkEnd-Cooling Degree Days based on 65 Degrees F, Weekends

CDD70WkEnd-Cooling Degree Days based on 75 Degrees F, Weekends

Summer Fuzzy-Summer Days Variable

Winter Fuzzy-Winter Days Variable

HLight-Hours of Sunlight

DST-Daylight Savings Time

HDD50-Heating Degree Days based on 50 Degrees F

HDD55-Heating Degree Days based on 55 Degrees F

HDD65-Heating Degree Days based on 65 Degrees F

HDD65WkEnd-Heating Degree Days based on 65 Degrees F

Weekend-Binary Variable for Weekends

January-Binary Variable January

February-Binary Variable February

March-Binary Variable March

April-Binary Variable April

May-Binary Variable May

June-Binary Variable June

July-Binary Variable July

August-Binary Variable August

September-Binary Variable September

October-Binary Variable October

November-Binary Variable November

WkDay-Week Day Binary Variable

WkEnd- Week End Binary Variable

MajorHolidays-Binary Variable for Major Holidays

Constant-Intercept

TWT-Tuesday, Wednesday and Thursday Binary Variable

Monday-Binary Variable Monday

Kentucky Power Company
 Residential Cooling Model Coefficients

Variable	CDD65	CDD70	CDD65WkEnd	CDD70WkEnd	SummerFuzzy	WinterFuzzy	HLight	DST
Hour1	2.260	0.347	-0.588	0.514	17.901	-4.326	0.448	-1.260
Hour2	1.714	0.476	-0.084	0.132	16.484	-3.497	0.367	-1.279
Hour3	1.497	0.534	-0.244	0.247	14.172	-2.631	0.280	-1.141
Hour4	1.306	0.546	-0.234	0.211	12.491	-2.200	0.237	-1.045
Hour5	1.136	0.550	-0.183	0.172	11.258	-1.885	0.207	-1.028
Hour6	1.001	0.537	-0.230	0.197	9.898	-1.486	0.165	-0.864
Hour7	0.835	0.533	-0.139	0.130	8.653	-1.232	0.139	-0.794
Hour8	0.835	0.429	-0.163	0.159	8.337	-1.240	0.135	-0.666
Hour9	1.054	0.120	-0.464	0.372	7.853	-2.091	0.218	-0.702
Hour10	1.054	0.221	0.022	0.009	8.805	-2.686	0.275	-0.730
Hour11	1.179	0.402	0.459	-0.305	11.884	-3.329	0.342	-0.885
Hour12	1.534	0.481	0.520	-0.339	14.942	-4.426	0.458	-1.215
Hour13	1.941	0.516	0.668	-0.390	18.487	-6.024	0.626	-1.676
Hour14	2.364	0.518	0.805	-0.472	22.094	-7.824	0.818	-2.322
Hour15	2.744	0.382	1.082	-0.661	24.946	-9.846	1.031	-2.813
Hour16	3.157	0.216	1.226	-0.780	28.254	-11.362	1.183	-2.950
Hour17	3.601	0.011	1.400	-0.950	31.992	-12.300	1.271	-2.517
Hour18	4.007	-0.224	1.230	-0.894	34.216	-12.243	1.259	-1.349
Hour19	4.299	-0.364	0.526	-0.329	33.731	-11.211	1.145	-0.238
Hour20	4.226	-0.292	-0.072	0.136	30.945	-10.834	1.106	-0.962
Hour21	3.793	-0.016	-0.205	0.281	27.931	-9.670	0.986	-1.704
Hour22	3.405	0.160	-0.340	0.331	25.766	-7.974	0.816	-1.782
Hour23	3.028	0.278	-0.366	0.370	23.301	-6.796	0.697	-1.607
Hour24	2.596	0.368	-0.401	0.403	20.735	-5.592	0.578	-1.545

Kentucky Power Company
 Residential Cooling Model Standard Errors

Variable	CDD65	CDD70	CDD65WkEnd	CDD70WkEnd	SummerFuzzy	WinterFuzzy	HLight	DST
Hour1	0.030	0.044	0.040	0.071	0.121	0.126	0.013	0.138
Hour2	0.026	0.038	0.035	0.061	0.104	0.108	0.011	0.119
Hour3	0.023	0.033	0.030	0.053	0.090	0.094	0.010	0.103
Hour4	0.020	0.029	0.027	0.047	0.080	0.083	0.008	0.091
Hour5	0.018	0.026	0.024	0.042	0.072	0.075	0.008	0.082
Hour6	0.016	0.023	0.021	0.037	0.063	0.066	0.007	0.072
Hour7	0.014	0.020	0.019	0.032	0.055	0.058	0.006	0.064
Hour8	0.013	0.019	0.018	0.031	0.053	0.055	0.006	0.060
Hour9	0.013	0.020	0.018	0.032	0.054	0.056	0.006	0.062
Hour10	0.015	0.023	0.021	0.036	0.062	0.064	0.007	0.071
Hour11	0.020	0.029	0.027	0.047	0.080	0.083	0.008	0.091
Hour12	0.025	0.037	0.034	0.059	0.102	0.106	0.011	0.116
Hour13	0.032	0.047	0.043	0.075	0.128	0.133	0.014	0.147
Hour14	0.039	0.057	0.052	0.091	0.155	0.161	0.016	0.177
Hour15	0.045	0.066	0.060	0.104	0.178	0.186	0.019	0.204
Hour16	0.050	0.074	0.067	0.118	0.201	0.210	0.021	0.231
Hour17	0.056	0.083	0.075	0.132	0.225	0.235	0.024	0.258
Hour18	0.060	0.088	0.080	0.141	0.240	0.250	0.026	0.275
Hour19	0.060	0.088	0.080	0.141	0.240	0.250	0.026	0.275
Hour20	0.057	0.083	0.076	0.132	0.226	0.235	0.024	0.259
Hour21	0.051	0.075	0.068	0.119	0.203	0.212	0.022	0.233
Hour22	0.046	0.067	0.061	0.107	0.182	0.190	0.019	0.209
Hour23	0.041	0.060	0.055	0.096	0.163	0.170	0.017	0.187

Kentucky Power Company
 Residential Cooling Model t-Statistics

Variable	CDD65	CDD70	CDD65WkEnd	CDD70WkEnd	SummerFuzzy	WinterFuzzy	HLight	DST
Hour1	74.851	7.814	-14.583	7.281	148.499	-34.413	34.948	-9.114
Hour2	65.774	12.419	-2.408	2.168	158.460	-32.234	33.235	-10.719
Hour3	66.380	16.101	-8.117	4.692	157.433	-28.028	29.322	-11.057
Hour4	65.434	18.578	-8.764	4.510	156.689	-26.470	27.964	-11.434
Hour5	63.160	20.776	-7.630	4.080	156.737	-25.171	27.158	-12.476
Hour6	63.340	23.091	-10.903	5.337	156.803	-22.578	24.590	-11.942
Hour7	60.167	26.104	-7.501	4.018	156.186	-21.322	23.663	-12.505
Hour8	63.410	22.164	-9.239	5.163	158.548	-22.621	24.222	-11.054
Hour9	78.149	6.049	-25.787	11.790	145.863	-37.248	38.085	-11.375
Hour10	68.087	9.691	1.067	0.239	142.515	-41.690	41.975	-10.298
Hour11	59.168	13.721	17.263	-6.542	149.421	-40.143	40.535	-9.700
Hour12	60.353	12.859	15.318	-5.698	147.188	-41.813	42.425	-10.437
Hour13	60.651	10.957	15.635	-5.204	144.644	-45.195	46.079	-11.439
Hour14	61.063	9.092	15.571	-5.212	142.960	-48.547	49.842	-13.105
Hour15	61.482	5.819	18.151	-6.330	139.995	-52.986	54.454	-13.769
Hour16	62.598	2.918	18.196	-6.612	140.300	-54.102	55.285	-12.775
Hour17	63.834	0.135	18.585	-7.200	142.051	-52.373	53.144	-9.745
Hour18	66.632	-2.535	15.317	-6.357	142.518	-48.903	49.352	-4.901
Hour19	71.491	-4.119	6.545	-2.343	140.485	-44.773	44.901	-0.864
Hour20	74.734	-3.509	-0.956	1.031	137.074	-46.018	46.109	-3.717
Hour21	74.535	-0.214	-3.014	2.365	137.454	-45.635	45.689	-7.313
Hour22	74.727	2.392	-5.587	3.104	141.627	-42.029	42.246	-8.542
Hour23	74.119	4.634	-6.710	3.873	142.849	-39.951	40.211	-8.592
Hour24	73.028	7.041	-8.451	4.848	146.069	-37.775	38.330	-9.490

Kentucky Power Company
 Residential Cooling Model Statistics

Hour	Obs	DF	AdjRSq	DW	StdErr	MAD	MAPE	FObs	FMAD	FMAPE	FAvgErr
Hour1	1826	1818	0.996	0.118	1.356	0.805	13.13%	0	0.000	0.00%	0.000
Hour2	1826	1818	0.996	0.123	1.171	0.709	18.75%	0	0.000	0.00%	0.000
Hour3	1826	1818	0.996	0.133	1.013	0.622	36.92%	0	0.000	0.00%	0.000
Hour4	1826	1818	0.996	0.138	0.897	0.558	43.10%	0	0.000	0.00%	0.000
Hour5	1826	1818	0.996	0.143	0.808	0.517	524.92%	0	0.000	0.00%	0.000
Hour6	1826	1818	0.996	0.146	0.710	0.455	46.15%	0	0.000	0.00%	0.000
Hour7	1826	1818	0.996	0.150	0.623	0.406	61.90%	0	0.000	0.00%	0.000
Hour8	1826	1818	0.996	0.143	0.592	0.372	77.61%	0	0.000	0.00%	0.000
Hour9	1826	1818	0.996	0.125	0.606	0.369	18.80%	0	0.000	0.00%	0.000
Hour10	1826	1818	0.996	0.115	0.695	0.424	30.83%	0	0.000	0.00%	0.000
Hour11	1826	1818	0.996	0.116	0.895	0.537	15.86%	0	0.000	0.00%	0.000
Hour12	1826	1818	0.996	0.115	1.142	0.684	62.00%	0	0.000	0.00%	0.000
Hour13	1826	1818	0.996	0.114	1.438	0.861	23.67%	0	0.000	0.00%	0.000
Hour14	1826	1818	0.996	0.114	1.739	1.047	19.58%	0	0.000	0.00%	0.000
Hour15	1826	1818	0.996	0.110	2.005	1.207	28.54%	0	0.000	0.00%	0.000
Hour16	1826	1818	0.996	0.107	2.266	1.367	25.30%	0	0.000	0.00%	0.000
Hour17	1826	1818	0.996	0.104	2.534	1.534	38.19%	0	0.000	0.00%	0.000
Hour18	1826	1818	0.995	0.101	2.701	1.649	20.94%	0	0.000	0.00%	0.000
Hour19	1826	1818	0.995	0.101	2.702	1.659	24.25%	0	0.000	0.00%	0.000
Hour20	1826	1818	0.996	0.102	2.540	1.561	13.61%	0	0.000	0.00%	0.000
Hour21	1826	1818	0.996	0.105	2.286	1.398	21.98%	0	0.000	0.00%	0.000
Hour22	1826	1818	0.996	0.109	2.047	1.230	48.90%	0	0.000	0.00%	0.000
Hour23	1826	1818	0.996	0.111	1.835	1.097	13.58%	0	0.000	0.00%	0.000
Hour24	1826	1818	0.996	0.115	1.597	0.950	18.29%	0	0.000	0.00%	0.000

Kentucky Power Company
 Residential Heat Model Coefficients

Variable	HDD50	HDD55	HDD65	HDD65WkEnd	SummerFuzzy	WinterFuzzy	HLight	DST
Hour1	3.394	-1.898	2.246	-0.028	-8.081	57.576	0.104	7.478
Hour2	2.998	-1.566	2.392	-0.153	-13.793	60.332	0.547	7.215
Hour3	2.944	-1.575	2.526	-0.129	-16.497	60.370	0.639	8.758
Hour4	2.948	-1.512	2.620	-0.140	-19.493	61.637	0.796	9.711
Hour5	3.022	-1.617	2.851	-0.166	-21.642	64.013	0.891	10.776
Hour6	2.873	-1.626	3.087	-0.218	-23.159	65.157	0.908	12.329
Hour7	2.325	-1.240	3.308	-0.402	-25.749	70.666	0.905	15.249
Hour8	1.912	-0.954	3.117	0.037	-24.540	70.441	0.586	18.605
Hour9	1.869	-0.958	2.859	0.522	-18.894	68.312	0.089	19.493
Hour10	2.427	-1.290	2.507	0.570	-11.511	65.075	0.064	11.868
Hour11	3.140	-1.665	2.152	0.154	-6.681	60.131	0.031	6.889
Hour12	3.668	-2.007	1.833	-0.123	-3.221	54.064	-0.068	4.518
Hour13	4.082	-2.295	1.590	-0.216	-1.748	49.294	-0.164	4.261
Hour14	4.120	-2.316	1.375	-0.145	-1.052	45.543	-0.200	4.012
Hour15	4.133	-2.372	1.273	-0.131	-0.270	42.369	-0.220	3.512
Hour16	4.307	-2.545	1.241	-0.116	0.278	40.973	-0.229	3.100
Hour17	4.467	-2.664	1.404	-0.300	0.728	44.106	-0.270	3.311
Hour18	4.652	-2.782	1.651	-0.414	0.988	50.168	-0.313	3.783
Hour19	4.121	-2.515	1.795	-0.395	0.564	49.834	-0.308	4.205
Hour20	3.688	-2.234	1.799	-0.316	-1.305	48.655	-0.281	5.727
Hour21	3.328	-2.052	1.947	-0.255	-1.926	50.093	-0.419	8.294
Hour22	3.277	-2.000	2.074	-0.183	-3.194	53.631	-0.446	10.031
Hour23	3.076	-1.793	2.105	-0.092	-4.564	55.043	-0.268	9.005
Hour24	3.006	-1.657	2.145	-0.062	-5.949	56.595	-0.161	8.989

Kentucky Power Company
 Residential Heat Model Standard Errors

Variable	HDD50	HDD55	HDD65	HDD65WkEnd	SummerFuzzy	WinterFuzzy	HLight	DST
Hour1	0.157	0.199	0.074	0.018	0.553	0.661	0.064	0.668
Hour2	0.170	0.216	0.080	0.020	0.600	0.716	0.069	0.724
Hour3	0.175	0.223	0.083	0.020	0.619	0.739	0.071	0.747
Hour4	0.183	0.233	0.087	0.021	0.648	0.774	0.075	0.783
Hour5	0.194	0.247	0.092	0.023	0.686	0.819	0.079	0.828
Hour6	0.201	0.255	0.095	0.023	0.709	0.847	0.082	0.857
Hour7	0.213	0.271	0.100	0.025	0.752	0.898	0.087	0.909
Hour8	0.207	0.263	0.098	0.024	0.731	0.873	0.084	0.883
Hour9	0.194	0.246	0.091	0.022	0.684	0.817	0.079	0.826
Hour10	0.178	0.226	0.084	0.021	0.629	0.751	0.072	0.759
Hour11	0.158	0.201	0.075	0.018	0.558	0.666	0.064	0.674
Hour12	0.137	0.174	0.065	0.016	0.485	0.579	0.056	0.585
Hour13	0.122	0.156	0.058	0.014	0.432	0.516	0.050	0.522
Hour14	0.111	0.142	0.053	0.013	0.393	0.470	0.045	0.475
Hour15	0.103	0.131	0.049	0.012	0.365	0.436	0.042	0.441
Hour16	0.100	0.127	0.047	0.012	0.352	0.421	0.041	0.426
Hour17	0.107	0.136	0.050	0.012	0.376	0.450	0.043	0.455
Hour18	0.121	0.153	0.057	0.014	0.426	0.508	0.049	0.514
Hour19	0.122	0.155	0.058	0.014	0.431	0.515	0.050	0.521
Hour20	0.121	0.154	0.057	0.014	0.428	0.512	0.049	0.518
Hour21	0.125	0.159	0.059	0.015	0.443	0.529	0.051	0.535
Hour22	0.135	0.171	0.063	0.016	0.475	0.568	0.055	0.574
Hour23	0.141	0.180	0.067	0.016	0.499	0.596	0.057	0.602
Hour24	0.148	0.188	0.070	0.017	0.522	0.623	0.060	0.630

Kentucky Power Company
 Residential Heat Model t-Statistics

Variable	HDD50	HDD55	HDD65	HDD65WkEnd	SummerFuzzy	WinterFuzzy	HLight	DST
Hour1	21.668	-9.530	30.382	-1.567	-14.606	87.126	1.626	11.189
Hour2	17.654	-7.254	29.857	-7.753	-22.995	84.215	7.918	9.959
Hour3	16.809	-7.073	30.562	-6.336	-26.664	81.696	8.958	11.720
Hour4	16.073	-6.482	30.274	-6.587	-30.086	79.651	10.662	12.408
Hour5	15.573	-6.551	31.133	-7.378	-31.569	78.177	11.287	13.013
Hour6	14.304	-6.368	32.578	-9.338	-32.645	76.896	11.107	14.388
Hour7	10.917	-4.580	32.926	-16.250	-34.232	78.657	10.447	16.784
Hour8	9.243	-3.625	31.927	1.549	-33.577	80.694	6.962	21.075
Hour9	9.653	-3.889	31.277	23.233	-27.615	83.598	1.124	23.588
Hour10	13.636	-5.701	29.852	27.603	-18.307	86.653	0.877	15.627
Hour11	19.880	-8.291	28.871	8.413	-11.974	90.227	0.484	10.222
Hour12	26.731	-11.501	28.309	-7.755	-6.644	93.384	-1.225	7.717
Hour13	33.376	-14.755	27.546	-15.239	-4.046	95.537	-3.290	8.165
Hour14	37.002	-16.358	26.162	-11.208	-2.675	96.937	-4.404	8.444
Hour15	40.033	-18.067	26.131	-10.966	-0.740	97.263	-5.238	7.972
Hour16	43.180	-20.066	26.374	-10.027	0.788	97.360	-5.639	7.284
Hour17	41.919	-19.659	27.917	-24.249	1.934	98.100	-6.217	7.282
Hour18	38.600	-18.154	29.034	-29.617	2.321	98.666	-6.372	7.357
Hour19	33.751	-16.198	31.148	-27.895	1.307	96.723	-6.204	8.071
Hour20	30.411	-14.482	31.430	-22.468	-3.046	95.077	-5.695	11.066
Hour21	26.564	-12.879	32.939	-17.547	-4.352	94.771	-8.217	15.517
Hour22	24.365	-11.694	32.675	-11.713	-6.721	94.502	-8.143	17.478
Hour23	21.791	-9.986	31.592	-5.619	-9.151	92.407	-4.661	14.949
Hour24	20.355	-8.823	30.772	-3.594	-11.402	90.816	-2.677	14.264

Kentucky Power Company
 Residential Heat Model Statistics

Hour	Obs	DF	AdjRSq	DW	StdErr	MAD	MAPE	FObs	FMAD	FMAPE	FAvgErr
Hour1	1826	1818	0.990	0.074	6.437	3.903	8.68%	0	0.000	0.00%	0.000
Hour2	1826	1818	0.989	0.069	6.978	4.302	14.56%	0	0.000	0.00%	0.000
Hour3	1826	1818	0.989	0.068	7.198	4.472	12.87%	0	0.000	0.00%	0.000
Hour4	1826	1818	0.989	0.068	7.538	4.710	21.90%	0	0.000	0.00%	0.000
Hour5	1826	1818	0.989	0.068	7.976	5.005	10.41%	0	0.000	0.00%	0.000
Hour6	1826	1818	0.989	0.067	8.253	5.206	11.93%	0	0.000	0.00%	0.000
Hour7	1826	1818	0.989	0.065	8.751	5.558	26.88%	0	0.000	0.00%	0.000
Hour8	1826	1818	0.988	0.063	8.503	5.413	7.95%	0	0.000	0.00%	0.000
Hour9	1826	1818	0.989	0.068	7.959	5.016	7.59%	0	0.000	0.00%	0.000
Hour10	1826	1818	0.989	0.071	7.315	4.511	7.99%	0	0.000	0.00%	0.000
Hour11	1826	1818	0.990	0.072	6.491	3.921	9.58%	0	0.000	0.00%	0.000
Hour12	1826	1818	0.990	0.077	5.639	3.341	11.40%	0	0.000	0.00%	0.000
Hour13	1826	1818	0.990	0.085	5.026	2.936	14.97%	0	0.000	0.00%	0.000
Hour14	1826	1818	0.990	0.088	4.576	2.652	28.28%	0	0.000	0.00%	0.000
Hour15	1826	1818	0.990	0.091	4.243	2.442	96.28%	0	0.000	0.00%	0.000
Hour16	1826	1818	0.990	0.094	4.099	2.350	58.74%	0	0.000	0.00%	0.000
Hour17	1826	1818	0.990	0.095	4.379	2.528	28.96%	0	0.000	0.00%	0.000
Hour18	1826	1818	0.990	0.092	4.953	2.877	10.35%	0	0.000	0.00%	0.000
Hour19	1826	1818	0.990	0.087	5.018	2.924	11.62%	0	0.000	0.00%	0.000
Hour20	1826	1818	0.990	0.083	4.985	2.938	10.03%	0	0.000	0.00%	0.000
Hour21	1826	1818	0.990	0.080	5.148	3.064	12.14%	0	0.000	0.00%	0.000
Hour22	1826	1818	0.990	0.077	5.528	3.315	10.82%	0	0.000	0.00%	0.000
Hour23	1826	1818	0.990	0.074	5.802	3.497	8.86%	0	0.000	0.00%	0.000
Hour24	1826	1818	0.990	0.073	6.070	3.672	8.41%	0	0.000	0.00%	0.000

Kentucky Power Company
 Residential Lighting Demand Model Coefficients

Variable	Constant	WeekEnd	January	February	March	April	May	June	July	August	September	October	November
Hour1	26.914	0.056	0.790	0.594	0.301	0.422	1.239	-0.851	-1.976	-1.914	-0.913	-0.439	0.337
Hour2	18.077	-1.231	0.551	0.505	0.368	0.549	1.731	0.458	-0.439	-0.563	0.256	0.202	0.677
Hour3	12.547	-1.493	0.393	0.191	-0.064	-0.260	0.185	-0.695	-1.310	-1.323	-0.564	-0.377	0.278
Hour4	9.275	-0.687	0.283	0.203	0.072	0.098	0.575	-0.088	-0.572	-0.588	-0.085	-0.025	0.272
Hour5	7.463	-0.104	0.221	0.100	-0.046	-0.121	-0.062	-0.651	-0.964	-0.904	-0.555	-0.318	-0.002
Hour6	8.927	0.758	0.250	0.232	0.183	0.349	0.587	-0.154	-0.499	-0.448	-0.235	-0.055	0.051
Hour7	13.553	1.858	0.367	0.296	0.181	0.415	0.471	-0.727	-1.209	-1.031	-0.751	-0.287	-0.145
Hour8	19.021	1.978	0.525	-0.011	-0.580	-1.006	-2.140	-3.896	-4.501	-3.974	-3.206	-1.823	-0.900
Hour9	20.859	0.794	0.599	-0.145	-0.909	-1.753	-3.183	-5.039	-5.701	-5.138	-4.072	-2.460	-1.024
Hour10	18.216	-2.621	0.581	-0.215	-1.003	-2.284	-3.277	-4.665	-5.279	-5.005	-3.708	-2.503	-0.556
Hour11	15.567	-1.950	0.491	-0.205	-0.896	-1.980	-2.928	-4.142	-4.669	-4.391	-3.281	-2.184	-0.552
Hour12	12.930	-1.560	0.406	-0.196	-0.804	-1.707	-2.545	-3.565	-4.034	-3.767	-2.790	-1.835	-0.493
Hour13	11.058	-1.348	0.348	-0.089	-0.538	-1.177	-1.638	-2.486	-2.914	-2.746	-1.955	-1.291	-0.267
Hour14	10.856	-1.062	0.337	-0.075	-0.499	-1.082	-1.548	-2.397	-2.806	-2.630	-1.898	-1.237	-0.284
Hour15	10.629	-1.073	0.330	-0.110	-0.564	-1.184	-1.730	-2.570	-2.980	-2.778	-2.013	-1.306	-0.331
Hour16	10.754	-1.322	0.338	-0.218	-0.780	-1.603	-2.444	-3.306	-3.706	-3.438	-2.561	-1.672	-0.495
Hour17	12.825	-1.559	0.403	-0.448	-1.278	-2.613	-4.265	-5.350	-5.724	-5.275	-4.164	-2.728	-0.983
Hour18	18.126	-1.378	0.556	-1.079	-2.641	-5.191	-9.097	-10.825	-11.187	-10.152	-8.401	-5.423	-2.381
Hour19	33.020	-0.349	0.976	-2.427	-5.663	-10.836	-19.788	-23.241	-23.706	-21.293	-18.034	-11.479	-5.564
Hour20	50.895	-0.516	1.505	-4.000	-9.212	-17.651	-32.318	-37.719	-38.318	-34.413	-29.274	-18.661	-9.101
Hour21	59.940	0.264	1.759	-2.937	-7.414	-14.403	-26.327	-32.241	-33.310	-30.007	-25.310	-16.055	-7.539
Hour22	60.780	0.817	1.775	-0.064	-1.934	-4.124	-7.094	-12.284	-14.166	-12.972	-10.149	-6.250	-2.175
Hour23	54.159	1.176	1.575	1.167	0.637	0.725	1.821	-2.482	-4.440	-4.276	-2.651	-1.439	0.295
Hour24	40.347	1.002	1.171	1.106	0.919	1.423	3.004	-0.142	-1.700	-1.736	-0.650	-0.195	0.673

Kentucky Power Company
 Residential Lighting Demand Model Coefficients

Variable	December	WinterFuzzy	HLight
Hour1	0.000	0.032	0.028
Hour2	0.000	-0.032	0.101
Hour3	0.000	-0.059	0.102
Hour4	0.000	0.002	0.076
Hour5	0.000	0.010	0.021
Hour6	0.000	0.057	-0.023
Hour7	0.000	0.139	-0.059
Hour8	0.000	0.167	-0.044
Hour9	0.000	0.076	-0.009
Hour10	0.000	-0.209	0.072
Hour11	0.000	-0.146	0.063
Hour12	0.000	-0.092	0.075
Hour13	0.000	-0.078	0.066
Hour14	0.000	-0.061	0.053
Hour15	0.000	-0.051	0.064
Hour16	0.000	-0.063	0.078
Hour17	0.000	-0.103	0.063
Hour18	0.000	-0.089	0.056
Hour19	0.000	0.007	0.039
Hour20	0.000	-0.012	0.034
Hour21	0.000	-0.027	-0.061
Hour22	0.000	-0.011	-0.096
Hour23	0.000	-0.014	-0.135
Hour24	0.000	0.019	-0.084

Kentucky Power Company
 Residential Lighting Demand Model Standard Errors

Variable	Constant	WeekEnd	January	February	March	April	May	June	July	August	September	October	November	December
Hour1	2.868	0.162	0.365	0.509	0.784	1.033	1.297	1.431	1.363	1.140	0.889	0.710	0.398	0.000
Hour2	2.045	0.115	0.260	0.363	0.559	0.736	0.925	1.020	0.972	0.813	0.634	0.506	0.284	0.000
Hour3	1.382	0.078	0.176	0.245	0.378	0.498	0.625	0.690	0.657	0.549	0.429	0.342	0.192	0.000
Hour4	1.061	0.060	0.135	0.188	0.290	0.382	0.480	0.529	0.504	0.422	0.329	0.263	0.147	0.000
Hour5	0.786	0.044	0.100	0.139	0.215	0.283	0.355	0.392	0.374	0.312	0.244	0.195	0.109	0.000
Hour6	0.943	0.053	0.120	0.167	0.258	0.340	0.427	0.471	0.448	0.375	0.292	0.234	0.131	0.000
Hour7	1.403	0.079	0.179	0.249	0.383	0.505	0.634	0.700	0.667	0.558	0.435	0.347	0.195	0.000
Hour8	1.844	0.104	0.235	0.327	0.504	0.664	0.834	0.920	0.877	0.733	0.572	0.457	0.256	0.000
Hour9	1.981	0.112	0.252	0.352	0.542	0.713	0.896	0.989	0.942	0.788	0.614	0.490	0.275	0.000
Hour10	1.700	0.096	0.217	0.302	0.465	0.612	0.769	0.849	0.808	0.676	0.527	0.421	0.236	0.000
Hour11	1.456	0.082	0.185	0.258	0.398	0.524	0.659	0.727	0.692	0.579	0.451	0.361	0.202	0.000
Hour12	1.235	0.070	0.157	0.219	0.338	0.445	0.559	0.616	0.587	0.491	0.383	0.306	0.171	0.000
Hour13	1.087	0.061	0.138	0.193	0.297	0.392	0.492	0.543	0.517	0.432	0.337	0.269	0.151	0.000
Hour14	1.063	0.060	0.135	0.189	0.291	0.383	0.481	0.530	0.505	0.422	0.329	0.263	0.147	0.000
Hour15	1.044	0.059	0.133	0.185	0.285	0.376	0.472	0.521	0.496	0.415	0.324	0.258	0.145	0.000
Hour16	1.030	0.058	0.131	0.183	0.282	0.371	0.466	0.514	0.490	0.409	0.319	0.255	0.143	0.000
Hour17	1.123	0.063	0.143	0.199	0.307	0.404	0.508	0.560	0.534	0.446	0.348	0.278	0.156	0.000
Hour18	1.430	0.081	0.182	0.254	0.391	0.515	0.647	0.713	0.680	0.568	0.443	0.354	0.198	0.000
Hour19	2.467	0.139	0.314	0.438	0.674	0.888	1.116	1.231	1.173	0.980	0.765	0.611	0.342	0.000
Hour20	3.705	0.209	0.472	0.658	1.013	1.334	1.676	1.849	1.761	1.473	1.148	0.917	0.514	0.000
Hour21	4.744	0.268	0.604	0.842	1.297	1.708	2.146	2.367	2.255	1.885	1.470	1.174	0.658	0.000
Hour22	5.746	0.324	0.732	1.020	1.571	2.069	2.599	2.867	2.731	2.284	1.781	1.422	0.797	0.000
Hour23	5.516	0.311	0.702	0.979	1.508	1.986	2.495	2.752	2.622	2.192	1.710	1.365	0.765	0.000
Hour24	4.229	0.239	0.539	0.750	1.156	1.523	1.913	2.110	2.010	1.681	1.311	1.047	0.587	0.000

Kentucky Power Company
 Residential Lighting Demand Model Standard Errors

Variable	WinterFuzzy	HLight
Hour1	0.626	0.271
Hour2	0.446	0.193
Hour3	0.302	0.131
Hour4	0.232	0.100
Hour5	0.171	0.074
Hour6	0.206	0.089
Hour7	0.306	0.133
Hour8	0.402	0.175
Hour9	0.432	0.187
Hour10	0.371	0.161
Hour11	0.318	0.138
Hour12	0.270	0.117
Hour13	0.237	0.103
Hour14	0.232	0.101
Hour15	0.228	0.099
Hour16	0.225	0.097
Hour17	0.245	0.106
Hour18	0.312	0.135
Hour19	0.538	0.233
Hour20	0.808	0.351
Hour21	1.035	0.449
Hour22	1.254	0.544
Hour23	1.204	0.522
Hour24	0.923	0.400

Kentucky Power Company
 Residential Lighting Demand Model t-Statistics

Variable	Constant	WeekEnd	January	February	March	April	May	June	July	August	September	October	November
Hour1	9.385	0.347	2.163	1.166	0.384	0.409	0.956	-0.595	-1.450	-1.679	-1.027	-0.619	0.848
Hour2	8.840	-10.669	2.117	1.391	0.658	0.745	1.871	0.449	-0.452	-0.692	0.405	0.399	2.386
Hour3	9.075	-19.145	2.233	0.777	-0.171	-0.522	0.295	-1.007	-1.993	-2.407	-1.316	-1.101	1.449
Hour4	8.741	-11.476	2.096	1.080	0.249	0.255	1.199	-0.167	-1.133	-1.394	-0.260	-0.096	1.849
Hour5	9.496	-2.350	2.207	0.715	-0.216	-0.426	-0.176	-1.661	-2.581	-2.893	-2.277	-1.637	-0.016
Hour6	9.462	14.249	2.077	1.387	0.708	1.028	1.376	-0.328	-1.113	-1.195	-0.804	-0.235	0.392
Hour7	9.662	23.478	2.054	1.191	0.473	0.822	0.742	-1.038	-1.813	-1.850	-1.728	-0.828	-0.745
Hour8	10.312	19.012	2.236	-0.035	-1.151	-1.515	-2.566	-4.233	-5.134	-5.420	-5.608	-3.993	-3.520
Hour9	10.528	7.100	2.376	-0.413	-1.678	-2.457	-3.552	-5.097	-6.053	-6.524	-6.630	-5.015	-3.726
Hour10	10.712	-27.315	2.682	-0.714	-2.157	-3.731	-4.261	-5.497	-6.531	-7.406	-7.035	-5.946	-2.359
Hour11	10.688	-23.729	2.648	-0.792	-2.252	-3.776	-4.445	-5.699	-6.745	-7.585	-7.269	-6.057	-2.730
Hour12	10.468	-22.385	2.583	-0.896	-2.382	-3.837	-4.555	-5.783	-6.871	-7.674	-7.288	-6.000	-2.876
Hour13	10.169	-21.966	2.510	-0.462	-1.810	-3.006	-3.330	-4.582	-5.638	-6.353	-5.800	-4.795	-1.767
Hour14	10.214	-17.703	2.489	-0.397	-1.716	-2.828	-3.219	-4.520	-5.554	-6.227	-5.761	-4.702	-1.925
Hour15	10.179	-18.211	2.483	-0.594	-1.975	-3.149	-3.664	-4.932	-6.003	-6.693	-6.219	-5.051	-2.287
Hour16	10.442	-22.761	2.577	-1.193	-2.772	-4.324	-5.246	-6.432	-7.571	-8.400	-8.022	-6.560	-3.468
Hour17	11.424	-24.621	2.822	-2.250	-4.164	-6.464	-8.400	-9.551	-10.728	-11.823	-11.968	-9.818	-6.313
Hour18	12.679	-17.082	3.055	-4.253	-6.759	-10.085	-14.068	-15.175	-16.464	-17.867	-18.960	-15.324	-12.009
Hour19	13.386	-2.511	3.108	-5.545	-8.399	-12.201	-17.735	-18.880	-20.218	-21.718	-23.586	-18.799	-16.261
Hour20	13.736	-2.469	3.190	-6.083	-9.096	-13.231	-19.284	-20.400	-21.757	-23.368	-25.490	-20.346	-17.707
Hour21	12.636	0.987	2.912	-3.488	-5.718	-8.433	-12.270	-13.620	-14.773	-15.915	-17.213	-13.672	-11.457
Hour22	10.578	2.520	2.426	-0.062	-1.231	-1.994	-2.730	-4.284	-5.187	-5.680	-5.699	-4.394	-2.729
Hour23	9.819	3.779	2.242	1.192	0.422	0.365	0.730	-0.902	-1.693	-1.951	-1.550	-1.054	0.385
Hour24	9.541	4.198	2.174	1.474	0.795	0.934	1.571	-0.067	-0.846	-1.033	-0.496	-0.186	1.147

Kentucky Power Company
 Residential Lighting Demand Model t-Statistics

Variable	December	WinterFuzzy	HLight
Hour1	0.000	0.051	0.104
Hour2	0.000	-0.071	0.524
Hour3	0.000	-0.195	0.778
Hour4	0.000	0.008	0.757
Hour5	0.000	0.056	0.284
Hour6	0.000	0.277	-0.261
Hour7	0.000	0.453	-0.447
Hour8	0.000	0.416	-0.253
Hour9	0.000	0.176	-0.047
Hour10	0.000	-0.562	0.448
Hour11	0.000	-0.460	0.454
Hour12	0.000	-0.341	0.640
Hour13	0.000	-0.329	0.644
Hour14	0.000	-0.263	0.524
Hour15	0.000	-0.223	0.648
Hour16	0.000	-0.281	0.801
Hour17	0.000	-0.419	0.598
Hour18	0.000	-0.285	0.417
Hour19	0.000	0.013	0.168
Hour20	0.000	-0.015	0.098
Hour21	0.000	-0.026	-0.136
Hour22	0.000	-0.008	-0.177
Hour23	0.000	-0.012	-0.259
Hour24	0.000	0.021	-0.209

Kentucky Power Company
 Residential Lighting Demand Model Statistics

Hour	Obs	DF	AdjRSq	DW	StdErr	MAD	MAPE	FObs	FMAD	FMAPE	FAvgErr
Hour1	1826	1810	0.082	0.002	3.124	2.450	9.25%	0	0.000	0.00%	0.000
Hour2	1826	1810	0.112	0.003	2.227	1.747	9.25%	0	0.000	0.00%	0.000
Hour3	1826	1810	0.218	0.006	1.506	1.180	9.25%	0	0.000	0.00%	0.000
Hour4	1826	1810	0.116	0.003	1.156	0.906	9.25%	0	0.000	0.00%	0.000
Hour5	1826	1810	0.145	0.002	0.856	0.671	9.25%	0	0.000	0.00%	0.000
Hour6	1826	1810	0.175	0.004	1.028	0.805	9.25%	0	0.000	0.00%	0.000
Hour7	1826	1810	0.329	0.007	1.528	1.195	9.25%	0	0.000	0.00%	0.000
Hour8	1826	1810	0.500	0.006	2.009	1.566	9.25%	0	0.000	0.00%	0.000
Hour9	1826	1810	0.504	0.003	2.158	1.682	9.25%	0	0.000	0.00%	0.000
Hour10	1826	1810	0.570	0.010	1.852	1.441	9.25%	0	0.000	0.00%	0.000
Hour11	1826	1810	0.564	0.008	1.586	1.234	9.25%	0	0.000	0.00%	0.000
Hour12	1826	1810	0.555	0.008	1.345	1.047	9.25%	0	0.000	0.00%	0.000
Hour13	1826	1810	0.471	0.007	1.184	0.924	9.25%	0	0.000	0.00%	0.000
Hour14	1826	1810	0.448	0.005	1.158	0.904	9.25%	0	0.000	0.00%	0.000
Hour15	1826	1810	0.476	0.006	1.137	0.887	9.25%	0	0.000	0.00%	0.000
Hour16	1826	1810	0.589	0.008	1.122	0.872	9.25%	0	0.000	0.00%	0.000
Hour17	1826	1810	0.746	0.009	1.223	0.941	9.25%	0	0.000	0.00%	0.000
Hour18	1826	1810	0.873	0.007	1.557	1.165	9.25%	0	0.000	0.00%	0.000
Hour19	1826	1810	0.914	0.005	2.687	1.954	9.25%	0	0.000	0.00%	0.000
Hour20	1826	1810	0.926	0.005	4.036	2.894	9.25%	0	0.000	0.00%	0.000
Hour21	1826	1810	0.854	0.004	5.167	3.895	9.25%	0	0.000	0.00%	0.000
Hour22	1826	1810	0.432	0.002	6.259	4.887	9.25%	0	0.000	0.00%	0.000
Hour23	1826	1810	0.126	0.002	6.008	4.711	9.25%	0	0.000	0.00%	0.000
Hour24	1826	1810	0.080	0.002	4.606	3.613	9.25%	0	0.000	0.00%	0.000

Kentucky Power Company
 Residential Other Demand Model Coefficients

Variable	HDD50	HDD55	HDD65	CDD65	CDD70	CDD65WkEnd	HDD65WkEnd	CDD70WkEnd	WkDay	WkEnd	MajorHolidays	January
Hour1	2.230	2.657	0.636	2.827	0.561	-0.252	-0.499	0.134	107.040	116.713	6.146	18.831
Hour2	4.051	-0.183	0.768	1.567	1.678	-0.936	0.508	0.746	107.040	115.015	-1.076	38.213
Hour3	4.700	-1.120	1.296	1.610	1.080	-0.653	0.562	0.335	104.309	110.786	-0.540	46.384
Hour4	3.909	-0.379	1.325	1.265	1.018	-0.760	0.590	0.864	95.315	99.700	-3.235	43.611
Hour5	3.691	-0.172	1.233	0.806	1.313	-0.338	0.607	0.441	101.830	103.223	-1.454	44.191
Hour6	3.486	-0.017	1.363	0.662	1.175	-0.331	0.577	0.541	96.971	94.793	0.246	44.551
Hour7	4.080	-0.575	1.325	0.059	1.801	1.588	0.830	-1.688	130.786	109.426	2.741	46.867
Hour8	3.466	-0.221	1.860	-0.422	1.901	2.382	0.389	-2.016	151.287	107.089	4.398	46.808
Hour9	3.649	-0.040	2.064	-1.116	2.699	-0.105	-0.321	0.537	97.532	80.080	-1.159	45.238
Hour10	4.088	-0.360	2.289	-0.380	2.623	-2.010	-0.476	2.175	112.891	128.265	1.671	41.956
Hour11	3.396	0.504	1.962	0.461	3.020	-2.953	-0.341	2.746	136.040	169.203	8.901	40.547
Hour12	3.798	0.336	1.649	2.036	2.660	-3.591	-0.143	3.780	165.302	200.328	23.053	31.265
Hour13	3.711	0.943	0.983	3.306	2.730	-3.655	-0.182	3.318	161.531	196.457	29.155	24.850
Hour14	3.642	1.196	0.624	4.799	2.397	-2.367	-0.095	1.215	152.745	186.406	25.914	21.021
Hour15	2.927	2.720	-0.372	6.781	0.593	-2.647	-0.298	1.954	170.981	204.279	21.427	18.903
Hour16	3.022	3.470	-1.306	7.357	-0.042	-2.511	-0.266	2.049	182.616	213.875	6.808	8.642
Hour17	2.725	4.292	-2.127	8.083	-1.396	-2.724	-0.153	2.090	180.496	208.049	-0.121	10.504
Hour18	2.756	4.988	-2.963	7.584	-1.697	-2.238	0.040	1.859	205.802	223.932	-0.470	9.160
Hour19	3.416	4.880	-3.004	7.055	-2.242	-1.084	-0.146	0.644	228.821	241.931	-2.204	11.017
Hour20	4.058	3.791	-2.124	6.597	-2.219	-2.071	-0.352	2.389	202.819	216.897	0.578	14.141
Hour21	3.158	4.616	-2.056	5.509	-1.221	-1.067	-0.303	1.380	189.841	199.154	5.967	13.346
Hour22	2.428	4.511	-1.282	5.267	-1.059	-1.424	-0.528	1.661	171.290	180.974	10.205	16.254
Hour23	2.319	4.004	-0.735	5.139	-1.513	-1.041	-0.458	1.392	154.314	159.117	6.856	13.577
Hour24	2.385	3.443	-0.220	4.237	-0.775	-1.289	-0.510	1.680	127.706	135.186	9.074	18.896

Kentucky Power Company
 Residential Other Demand Model Coefficients

Variable	February	March	April	May	June	July	August	September	October	November	December	SummerFuzzy
Hour1	5.357	-2.961	-0.458	6.893	27.845	41.010	21.612	-2.860	-4.714	-1.678	0.000	4.484
Hour2	19.210	10.676	6.363	9.402	32.516	48.178	31.068	10.465	3.413	6.144	0.000	4.551
Hour3	27.467	19.488	18.145	18.902	39.046	53.911	39.710	19.217	13.789	15.510	0.000	8.732
Hour4	27.308	22.203	17.232	14.167	32.807	46.318	35.078	18.587	12.470	18.635	0.000	8.836
Hour5	28.791	25.722	26.918	22.282	40.712	52.514	41.794	25.604	19.727	22.677	0.000	10.071
Hour6	29.625	29.555	29.207	19.722	37.207	46.557	38.258	24.920	20.283	25.092	0.000	11.984
Hour7	35.625	40.715	38.550	28.760	47.147	54.287	48.098	35.509	27.190	33.251	0.000	6.566
Hour8	33.402	42.144	39.818	30.978	43.630	49.183	52.148	36.651	25.126	33.149	0.000	-1.295
Hour9	30.351	34.983	38.995	22.935	39.572	47.786	47.099	39.306	32.454	33.589	0.000	-6.384
Hour10	29.242	30.103	36.908	26.127	46.266	52.780	39.236	27.278	30.899	33.682	0.000	-6.123
Hour11	20.687	15.794	15.051	11.009	34.453	39.455	22.946	5.371	9.792	18.031	0.000	-5.226
Hour12	17.022	10.277	8.889	16.837	46.822	49.620	27.743	1.108	-0.683	8.801	0.000	-5.749
Hour13	11.954	2.957	-0.319	11.737	41.750	45.084	25.354	-2.736	-8.187	0.616	0.000	-5.820
Hour14	7.976	-8.784	-14.455	2.623	26.092	31.568	10.908	-16.350	-20.362	-8.996	0.000	0.059
Hour15	7.647	-9.849	-14.587	4.301	23.482	29.905	11.404	-19.148	-24.285	-14.278	0.000	4.298
Hour16	-0.099	-13.683	-15.969	4.046	21.278	24.541	6.451	-23.221	-30.582	-15.626	0.000	8.987
Hour17	-4.205	-17.660	-15.794	11.425	30.806	35.089	17.747	-14.447	-24.342	-16.954	0.000	3.068
Hour18	-5.947	-20.553	-14.067	21.922	39.890	46.025	30.035	-6.037	-19.611	-14.259	0.000	1.437
Hour19	-7.648	-21.630	-5.113	31.982	55.467	60.857	43.514	-0.414	-17.472	-8.362	0.000	5.060
Hour20	1.686	-13.930	4.636	47.334	73.653	80.763	62.611	16.856	-5.474	-0.972	0.000	4.353
Hour21	6.751	-10.315	-0.303	37.842	68.814	76.221	58.162	19.038	3.136	-2.442	0.000	-5.748
Hour22	5.605	-12.830	-5.848	14.547	37.979	46.507	37.766	13.398	-7.934	-6.924	0.000	-10.497
Hour23	2.880	-9.287	-1.418	15.186	32.130	41.387	31.901	0.551	-10.319	-9.643	0.000	-5.682
Hour24	4.280	-9.783	-3.462	9.229	30.247	39.119	20.181	-7.974	-7.943	-4.006	0.000	-0.504

Kentucky Power Company
 Residential Other Demand Model Coefficients

Variable	WinterFuzzy	HLight	DST
Hour1	-39.124	-0.456	-17.105
Hour2	-33.259	-1.666	-22.335
Hour3	-30.746	-2.897	-21.301
Hour4	-34.638	-2.262	-21.120
Hour5	-31.810	-3.365	-22.384
Hour6	-35.253	-2.915	-23.421
Hour7	-43.257	-4.722	-24.616
Hour8	-44.713	-4.022	-25.750
Hour9	-33.608	0.726	-29.811
Hour10	-26.219	-1.887	-12.221
Hour11	-25.459	-3.333	3.094
Hour12	-27.796	-5.745	6.966
Hour13	-29.003	-4.498	6.061
Hour14	-28.927	-3.080	11.706
Hour15	-31.650	-4.121	11.989
Hour16	-32.229	-4.230	10.482
Hour17	-35.413	-2.941	0.952
Hour18	-44.858	-3.617	-6.045
Hour19	-43.429	-5.579	-9.998
Hour20	-42.928	-4.538	-23.646
Hour21	-42.466	-3.800	-25.631
Hour22	-38.070	-3.491	-8.297
Hour23	-38.410	-2.214	-11.764
Hour24	-37.308	-0.872	-11.688

Kentucky Power Company
 Residential Other Demand Model Standard Errors

Variable	HDD50	HDD55	HDD65	CDD65	CDD70	CDD65WkEnd	HDD65WkEnd	CDD70WkEnd	WkDay	WkEnd	MajorHolidays	January
Hour1	0.234	0.319	0.137	0.256	0.350	0.367	0.047	0.549	9.841	9.890	1.764	1.125
Hour2	0.230	0.314	0.135	0.252	0.344	0.361	0.046	0.541	9.688	9.735	1.737	1.108
Hour3	0.231	0.316	0.136	0.254	0.346	0.363	0.046	0.544	9.738	9.786	1.746	1.114
Hour4	0.233	0.318	0.137	0.255	0.349	0.366	0.046	0.548	9.809	9.857	1.759	1.122
Hour5	0.238	0.325	0.140	0.261	0.356	0.374	0.047	0.559	10.022	10.071	1.797	1.146
Hour6	0.240	0.327	0.141	0.263	0.359	0.377	0.048	0.564	10.097	10.147	1.810	1.155
Hour7	0.250	0.342	0.147	0.274	0.374	0.393	0.050	0.588	10.535	10.587	1.889	1.205
Hour8	0.260	0.354	0.153	0.284	0.388	0.407	0.052	0.610	10.924	10.978	1.959	1.249
Hour9	0.258	0.351	0.151	0.282	0.385	0.404	0.051	0.605	10.841	10.895	1.944	1.240
Hour10	0.258	0.352	0.151	0.282	0.385	0.404	0.051	0.605	10.844	10.898	1.944	1.240
Hour11	0.259	0.353	0.152	0.284	0.387	0.406	0.052	0.609	10.900	10.954	1.954	1.246
Hour12	0.258	0.352	0.151	0.282	0.385	0.404	0.051	0.605	10.846	10.899	1.945	1.240
Hour13	0.265	0.362	0.156	0.290	0.396	0.416	0.053	0.623	11.152	11.207	1.999	1.275
Hour14	0.278	0.379	0.163	0.304	0.416	0.436	0.055	0.653	11.693	11.750	2.096	1.337
Hour15	0.289	0.394	0.170	0.317	0.432	0.454	0.058	0.679	12.162	12.222	2.181	1.391
Hour16	0.301	0.410	0.177	0.329	0.450	0.472	0.060	0.706	12.650	12.712	2.268	1.447
Hour17	0.315	0.429	0.185	0.345	0.471	0.494	0.063	0.740	13.248	13.314	2.375	1.515
Hour18	0.329	0.448	0.193	0.360	0.492	0.516	0.065	0.772	13.834	13.902	2.480	1.582
Hour19	0.325	0.443	0.191	0.356	0.485	0.509	0.065	0.763	13.662	13.729	2.449	1.562
Hour20	0.305	0.417	0.179	0.334	0.457	0.479	0.061	0.717	12.847	12.911	2.303	1.469
Hour21	0.275	0.375	0.162	0.301	0.411	0.432	0.055	0.646	11.576	11.633	2.075	1.324
Hour22	0.248	0.338	0.146	0.272	0.371	0.389	0.049	0.582	10.430	10.481	1.870	1.193
Hour23	0.241	0.329	0.142	0.264	0.360	0.378	0.048	0.566	10.140	10.190	1.818	1.160
Hour24	0.238	0.325	0.140	0.261	0.356	0.374	0.047	0.560	10.023	10.072	1.797	1.146

Kentucky Power Company
 Residential Other Demand Model Standard Errors

Variable	February	March	April	May	June	July	August	September	October	November	December	SummerFuzzy	WinterFuzzy
Hour1	1.650	2.558	3.324	3.997	4.244	4.043	3.433	2.900	2.304	1.191	0.000	1.865	1.914
Hour2	1.624	2.518	3.272	3.935	4.178	3.980	3.380	2.855	2.268	1.172	0.000	1.836	1.884
Hour3	1.633	2.531	3.289	3.956	4.200	4.001	3.397	2.870	2.280	1.178	0.000	1.845	1.894
Hour4	1.645	2.550	3.313	3.984	4.230	4.030	3.422	2.890	2.297	1.187	0.000	1.859	1.908
Hour5	1.680	2.605	3.385	4.071	4.322	4.117	3.496	2.953	2.346	1.213	0.000	1.899	1.949
Hour6	1.693	2.625	3.410	4.101	4.355	4.148	3.523	2.975	2.364	1.222	0.000	1.913	1.964
Hour7	1.766	2.738	3.558	4.279	4.544	4.328	3.675	3.104	2.467	1.275	0.000	1.996	2.049
Hour8	1.832	2.839	3.689	4.437	4.711	4.488	3.811	3.219	2.558	1.322	0.000	2.070	2.125
Hour9	1.818	2.818	3.662	4.404	4.676	4.454	3.782	3.195	2.538	1.312	0.000	2.054	2.109
Hour10	1.818	2.819	3.662	4.405	4.677	4.455	3.783	3.195	2.539	1.312	0.000	2.055	2.109
Hour11	1.828	2.833	3.681	4.428	4.701	4.478	3.803	3.212	2.552	1.319	0.000	2.065	2.120
Hour12	1.818	2.819	3.663	4.405	4.678	4.456	3.784	3.196	2.539	1.312	0.000	2.055	2.110
Hour13	1.870	2.899	3.766	4.530	4.810	4.582	3.891	3.286	2.611	1.349	0.000	2.113	2.169
Hour14	1.960	3.039	3.949	4.749	5.043	4.804	4.079	3.445	2.738	1.415	0.000	2.216	2.274
Hour15	2.039	3.161	4.108	4.940	5.245	4.997	4.243	3.584	2.848	1.472	0.000	2.305	2.366
Hour16	2.121	3.288	4.272	5.138	5.456	5.197	4.413	3.728	2.962	1.531	0.000	2.397	2.461
Hour17	2.221	3.444	4.474	5.381	5.714	5.443	4.622	3.904	3.102	1.603	0.000	2.510	2.577
Hour18	2.319	3.596	4.672	5.619	5.966	5.683	4.826	4.076	3.239	1.674	0.000	2.621	2.691
Hour19	2.291	3.551	4.614	5.549	5.892	5.613	4.766	4.026	3.199	1.653	0.000	2.589	2.657
Hour20	2.154	3.339	4.339	5.218	5.541	5.278	4.482	3.786	3.008	1.554	0.000	2.434	2.499
Hour21	1.941	3.009	3.910	4.702	4.993	4.756	4.038	3.411	2.710	1.401	0.000	2.193	2.252
Hour22	1.749	2.711	3.523	4.236	4.498	4.285	3.639	3.073	2.442	1.262	0.000	1.976	2.029
Hour23	1.700	2.636	3.425	4.119	4.373	4.166	3.537	2.988	2.374	1.227	0.000	1.921	1.972
Hour24	1.680	2.605	3.385	4.071	4.323	4.118	3.497	2.953	2.347	1.213	0.000	1.899	1.950

Kentucky Power Company
 Residential Other Demand Model Standard Errors

Variable	HLight	DST
Hour1	0.946	1.486
Hour2	0.931	1.463
Hour3	0.936	1.471
Hour4	0.943	1.482
Hour5	0.964	1.514
Hour6	0.971	1.525
Hour7	1.013	1.591
Hour8	1.050	1.650
Hour9	1.042	1.637
Hour10	1.043	1.638
Hour11	1.048	1.646
Hour12	1.043	1.638
Hour13	1.072	1.684
Hour14	1.124	1.766
Hour15	1.169	1.837
Hour16	1.216	1.911
Hour17	1.274	2.001
Hour18	1.330	2.089
Hour19	1.314	2.063
Hour20	1.235	1.940
Hour21	1.113	1.748
Hour22	1.003	1.575
Hour23	0.975	1.532
Hour24	0.964	1.514

Kentucky Power Company
 Residential Other Demand Model t-Statistics

Variable	HDD50	HDD55	HDD65	CDD65	CDD70	CDD65WkEnd	HDD65WkEnd	CDD70WkEnd	WkDay	WkEnd	MajorHolidays	January
Hour1	9.534	8.327	4.625	11.034	1.605	-0.687	-10.726	0.244	10.877	11.801	3.483	16.733
Hour2	17.591	-0.582	5.679	6.212	4.876	-2.592	11.096	1.380	11.049	11.814	-0.620	34.495
Hour3	20.302	-3.549	9.528	6.349	3.121	-1.797	12.213	0.616	10.711	11.320	-0.309	41.653
Hour4	16.763	-1.193	9.671	4.955	2.921	-2.078	12.722	1.579	9.717	10.114	-1.840	38.881
Hour5	15.494	-0.528	8.812	3.090	3.688	-0.903	12.817	0.787	10.161	10.249	-0.809	38.560
Hour6	14.524	-0.051	9.668	2.517	3.274	-0.880	12.080	0.960	9.604	9.342	0.136	38.585
Hour7	16.291	-1.685	9.007	0.215	4.812	4.041	16.654	-2.871	12.414	10.336	1.451	38.904
Hour8	13.347	-0.624	12.190	-1.484	4.898	5.848	7.533	-3.305	13.849	9.755	2.246	37.471
Hour9	14.158	-0.115	13.633	-3.953	7.006	-0.260	-6.266	0.888	8.996	7.350	-0.596	36.490
Hour10	15.859	-1.024	15.115	-1.344	6.806	-4.970	-9.277	3.593	10.410	11.770	0.860	33.835
Hour11	13.107	1.425	12.891	1.625	7.797	-7.264	-6.625	4.513	12.480	15.446	4.554	32.529
Hour12	14.732	0.956	10.887	7.209	6.901	-8.880	-2.781	6.243	15.241	18.380	11.855	25.209
Hour13	13.999	2.609	6.313	11.388	6.889	-8.790	-3.450	5.330	14.484	17.530	14.581	19.486
Hour14	13.104	3.155	3.824	15.765	5.768	-5.429	-1.718	1.862	13.063	15.864	12.361	15.722
Hour15	10.124	6.898	-2.192	21.415	1.373	-5.836	-5.190	2.878	14.058	16.714	9.826	13.592
Hour16	10.050	8.461	-7.394	22.338	-0.093	-5.324	-4.454	2.902	14.436	16.824	3.002	5.974
Hour17	8.653	9.993	-11.498	23.436	-2.965	-5.515	-2.437	2.826	13.624	15.627	-0.051	6.934
Hour18	8.380	11.123	-15.335	21.057	-3.451	-4.338	0.617	2.407	14.877	16.108	-0.190	5.791
Hour19	10.519	11.018	-15.744	19.835	-4.618	-2.127	-2.254	0.844	16.749	17.622	-0.900	7.052
Hour20	13.288	9.103	-11.839	19.722	-4.860	-4.322	-5.792	3.332	15.787	16.800	0.251	9.625
Hour21	11.476	12.300	-12.717	18.279	-2.969	-2.473	-5.532	2.135	16.400	17.120	2.875	10.082
Hour22	9.792	13.341	-8.800	19.396	-2.857	-3.662	-10.705	2.853	16.423	17.266	5.457	13.628
Hour23	9.621	12.179	-5.190	19.468	-4.199	-2.754	-9.546	2.459	15.218	15.615	3.771	11.709
Hour24	10.012	10.597	-1.571	16.239	-2.176	-3.449	-10.754	3.003	12.742	13.422	5.050	16.487

Kentucky Power Company
 Residential Other Demand Model t-Statistics

Variable	February	March	April	May	June	July	August	September	October	November	December	SummerFuzzy	WinterFuzzy
Hour1	3.246	-1.157	-0.138	1.724	6.560	10.143	6.295	-0.986	-2.046	-1.409	0.000	2.405	-20.439
Hour2	11.827	4.240	1.945	2.389	7.782	12.105	9.193	3.666	1.505	5.242	0.000	2.479	-17.651
Hour3	16.822	7.699	5.517	4.779	9.297	13.475	11.689	6.697	6.048	13.163	0.000	4.732	-16.232
Hour4	16.604	8.708	5.201	3.556	7.755	11.494	10.251	6.431	5.430	15.702	0.000	4.754	-18.155
Hour5	17.134	9.874	7.953	5.474	9.419	12.754	11.954	8.670	8.407	18.702	0.000	5.303	-16.319
Hour6	17.500	11.261	8.565	4.809	8.544	11.223	10.861	8.376	8.580	20.539	0.000	6.264	-17.950
Hour7	20.169	14.868	10.835	6.721	10.377	12.543	13.087	11.439	11.023	26.087	0.000	3.289	-21.110
Hour8	18.237	14.842	10.792	6.982	9.261	10.959	13.684	11.386	9.824	25.080	0.000	-0.626	-21.043
Hour9	16.697	12.414	10.650	5.208	8.463	10.729	12.453	12.304	12.786	25.607	0.000	-3.108	-15.937
Hour10	16.084	10.680	10.077	5.932	9.893	11.847	10.372	8.537	12.170	25.671	0.000	-2.980	-12.431
Hour11	11.319	5.574	4.088	2.487	7.329	8.810	6.034	1.672	3.837	13.672	0.000	-2.530	-12.008
Hour12	9.361	3.646	2.427	3.822	10.010	11.136	7.332	0.347	-0.269	6.707	0.000	-2.797	-13.176
Hour13	6.393	1.020	-0.085	2.591	8.680	9.840	6.517	-0.833	-3.136	0.456	0.000	-2.754	-13.371
Hour14	4.069	-2.890	-3.660	0.552	5.174	6.572	2.674	-4.745	-7.438	-6.359	0.000	0.027	-12.719
Hour15	3.750	-3.116	-3.551	0.871	4.477	5.985	2.688	-5.343	-8.528	-9.703	0.000	1.865	-13.379
Hour16	-0.047	-4.161	-3.738	0.787	3.900	4.722	1.462	-6.230	-10.326	-10.210	0.000	3.750	-13.098
Hour17	-1.893	-5.128	-3.530	2.123	5.392	6.447	3.840	-3.701	-7.848	-10.577	0.000	1.222	-13.743
Hour18	-2.564	-5.716	-3.011	3.901	6.686	8.098	6.224	-1.481	-6.055	-8.519	0.000	0.548	-16.671
Hour19	-3.339	-6.091	-1.108	5.763	9.414	10.843	9.130	-0.103	-5.462	-5.059	0.000	1.955	-16.343
Hour20	0.783	-4.171	1.068	9.070	13.293	15.301	13.970	4.453	-1.820	-0.625	0.000	1.788	-17.179
Hour21	3.479	-3.428	-0.077	8.048	13.784	16.027	14.402	5.581	1.157	-1.744	0.000	-2.620	-18.860
Hour22	3.205	-4.733	-1.660	3.434	8.443	10.854	10.379	4.359	-3.249	-5.487	0.000	-5.312	-18.766
Hour23	1.694	-3.523	-0.414	3.687	7.347	9.935	9.018	0.184	-4.346	-7.860	0.000	-2.957	-19.475
Hour24	2.547	-3.755	-1.023	2.267	6.997	9.500	5.772	-2.700	-3.385	-3.304	0.000	-0.265	-19.137

Kentucky Power Company
 Residential Other Demand Model t-Statistics

Variable	HLight	DST
Hour1	-0.482	-11.508
Hour2	-1.788	-15.265
Hour3	-3.094	-14.482
Hour4	-2.399	-14.256
Hour5	-3.492	-14.788
Hour6	-3.003	-15.358
Hour7	-4.662	-15.470
Hour8	-3.829	-15.607
Hour9	0.696	-18.206
Hour10	-1.810	-7.461
Hour11	-3.180	1.879
Hour12	-5.509	4.253
Hour13	-4.195	3.598
Hour14	-2.740	6.629
Hour15	-3.524	6.527
Hour16	-3.478	5.486
Hour17	-2.309	0.476
Hour18	-2.719	-2.893
Hour19	-4.247	-4.845
Hour20	-3.674	-12.186
Hour21	-3.415	-14.660
Hour22	-3.481	-5.267
Hour23	-2.271	-7.681
Hour24	-0.905	-7.721

Kentucky Power Company
 Residential Other Demand Model Statistics

Hour	Obs	DF	AdjRSq	DW	StdErr	MAD	MAPE	FObs	FMAD	FMAPE	FAvgErr
Hour1	1826	1799	0.966	0.106	9.231	6.930	5.41%	0	0.000	0.00%	0.000
Hour2	1826	1799	0.963	0.102	9.087	6.694	5.93%	0	0.000	0.00%	0.000
Hour3	1826	1799	0.966	0.103	9.135	6.589	6.13%	0	0.000	0.00%	0.000
Hour4	1826	1799	0.965	0.102	9.201	6.549	6.39%	0	0.000	0.00%	0.000
Hour5	1826	1799	0.962	0.100	9.401	6.631	6.69%	0	0.000	0.00%	0.000
Hour6	1826	1799	0.962	0.099	9.471	6.622	6.77%	0	0.000	0.00%	0.000
Hour7	1826	1799	0.958	0.094	9.882	6.919	6.58%	0	0.000	0.00%	0.000
Hour8	1826	1799	0.964	0.095	10.247	7.146	5.61%	0	0.000	0.00%	0.000
Hour9	1826	1799	0.969	0.095	10.169	7.061	5.06%	0	0.000	0.00%	0.000
Hour10	1826	1799	0.970	0.097	10.172	7.129	4.79%	0	0.000	0.00%	0.000
Hour11	1826	1799	0.969	0.098	10.225	7.361	4.66%	0	0.000	0.00%	0.000
Hour12	1826	1799	0.966	0.101	10.173	7.529	4.68%	0	0.000	0.00%	0.000
Hour13	1826	1799	0.962	0.101	10.461	7.873	4.74%	0	0.000	0.00%	0.000
Hour14	1826	1799	0.960	0.101	10.968	8.291	4.78%	0	0.000	0.00%	0.000
Hour15	1826	1799	0.959	0.099	11.408	8.600	4.84%	0	0.000	0.00%	0.000
Hour16	1826	1799	0.958	0.098	11.866	8.899	4.93%	0	0.000	0.00%	0.000
Hour17	1826	1799	0.957	0.096	12.427	9.264	5.08%	0	0.000	0.00%	0.000
Hour18	1826	1799	0.957	0.094	12.976	9.658	5.22%	0	0.000	0.00%	0.000
Hour19	1826	1799	0.959	0.094	12.815	9.585	5.12%	0	0.000	0.00%	0.000
Hour20	1826	1799	0.964	0.097	12.051	9.116	5.09%	0	0.000	0.00%	0.000
Hour21	1826	1799	0.966	0.103	10.858	8.387	5.01%	0	0.000	0.00%	0.000
Hour22	1826	1799	0.965	0.109	9.783	7.717	4.93%	0	0.000	0.00%	0.000
Hour23	1826	1799	0.965	0.108	9.511	7.471	4.91%	0	0.000	0.00%	0.000
Hour24	1826	1799	0.965	0.106	9.401	7.230	5.05%	0	0.000	0.00%	0.000

Kentucky Power Company
 Commercial Cooling Demand Model Coefficients

Variable	CDD65	CDD70	CDD65WkEnd	CDD70WkEnd	SummerFuzzy	WinterFuzzy	HLight	DST
Hour1	0.821	0.177	-0.210	0.192	6.048	-2.296	0.237	-0.580
Hour2	0.605	0.306	-0.176	0.143	4.584	-1.352	0.139	-0.389
Hour3	0.593	0.299	-0.184	0.148	4.422	-1.263	0.129	-0.351
Hour4	0.592	0.292	-0.239	0.179	4.213	-1.152	0.118	-0.320
Hour5	0.651	0.257	-0.379	0.268	4.224	-1.186	0.121	-0.325
Hour6	0.720	0.251	-0.448	0.311	4.597	-1.372	0.141	-0.393
Hour7	0.760	0.231	-0.430	0.305	4.938	-1.585	0.164	-0.461
Hour8	0.745	0.289	-0.344	0.246	5.168	-1.656	0.173	-0.554
Hour9	0.852	0.289	-0.276	0.213	6.293	-2.246	0.236	-0.746
Hour10	0.991	0.264	-0.217	0.183	7.618	-2.958	0.311	-0.926
Hour11	1.097	0.242	-0.213	0.184	8.514	-3.436	0.361	-1.052
Hour12	1.092	0.260	-0.135	0.133	8.814	-3.599	0.379	-1.108
Hour13	1.155	0.250	-0.144	0.150	9.211	-3.770	0.397	-1.146
Hour14	1.135	0.249	-0.078	0.108	9.271	-3.825	0.402	-1.159
Hour15	1.165	0.241	-0.094	0.120	9.447	-3.908	0.411	-1.167
Hour16	1.144	0.257	-0.089	0.113	9.300	-3.818	0.402	-1.165
Hour17	1.126	0.248	-0.153	0.157	8.911	-3.626	0.381	-1.105
Hour18	1.126	0.200	-0.147	0.160	8.857	-3.660	0.383	-1.042
Hour19	1.095	0.186	-0.127	0.151	8.626	-3.565	0.372	-0.978
Hour20	0.999	0.214	-0.015	0.074	8.241	-3.372	0.352	-0.931
Hour21	1.005	0.167	-0.212	0.202	7.582	-3.074	0.320	-0.831
Hour22	0.934	0.190	-0.201	0.188	7.035	-2.777	0.289	-0.768
Hour23	0.860	0.218	-0.099	0.123	6.763	-2.611	0.272	-0.725
Hour24	0.798	0.237	-0.145	0.142	6.130	-2.258	0.234	-0.628

Kentucky Power Company
 Commercial Cooling Demand Model Standard Errors

Variable	CDD65	CDD70	CDD65WkEnd	CDD70WkEnd	SummerFuzzy	WinterFuzzy	HLight	DST
Hour1	0.017	0.025	0.023	0.040	0.068	0.071	0.007	0.078
Hour2	0.013	0.019	0.017	0.030	0.052	0.054	0.006	0.060
Hour3	0.013	0.019	0.017	0.029	0.050	0.052	0.005	0.058
Hour4	0.012	0.018	0.016	0.028	0.048	0.051	0.005	0.056
Hour5	0.012	0.018	0.016	0.029	0.049	0.051	0.005	0.057
Hour6	0.013	0.020	0.018	0.031	0.054	0.056	0.006	0.062
Hour7	0.014	0.021	0.019	0.034	0.057	0.060	0.006	0.066
Hour8	0.015	0.022	0.020	0.035	0.059	0.062	0.006	0.068
Hour9	0.018	0.026	0.024	0.042	0.071	0.074	0.008	0.082
Hour10	0.021	0.031	0.028	0.050	0.085	0.089	0.009	0.097
Hour11	0.024	0.035	0.032	0.055	0.094	0.098	0.010	0.108
Hour12	0.024	0.036	0.032	0.057	0.097	0.101	0.010	0.111
Hour13	0.025	0.037	0.034	0.060	0.102	0.106	0.011	0.117
Hour14	0.026	0.038	0.034	0.060	0.102	0.106	0.011	0.117
Hour15	0.026	0.038	0.035	0.061	0.104	0.108	0.011	0.119
Hour16	0.026	0.038	0.034	0.060	0.102	0.107	0.011	0.117
Hour17	0.025	0.036	0.033	0.058	0.099	0.103	0.010	0.113
Hour18	0.024	0.036	0.033	0.057	0.098	0.102	0.010	0.112
Hour19	0.024	0.035	0.032	0.056	0.095	0.099	0.010	0.109
Hour20	0.023	0.033	0.030	0.053	0.091	0.094	0.010	0.104
Hour21	0.021	0.031	0.028	0.049	0.084	0.088	0.009	0.097
Hour22	0.020	0.029	0.026	0.046	0.079	0.082	0.008	0.090
Hour23	0.019	0.028	0.025	0.044	0.075	0.078	0.008	0.086
Hour24	0.017	0.025	0.023	0.040	0.069	0.072	0.007	0.079

Kentucky Power Company
 Commercial Cooling Demand Model t-Statistics

Variable	CDD65	CDD70	CDD65WkEnd	CDD70WkEnd	SummerFuzzy	WinterFuzzy	HLight	DST
Hour1	48.205	7.080	-9.245	4.814	88.933	-32.378	32.816	-7.432
Hour2	46.470	15.971	-10.116	4.685	88.118	-24.922	25.164	-6.527
Hour3	47.030	16.151	-10.944	5.023	87.854	-24.053	24.187	-6.089
Hour4	48.792	16.372	-14.767	6.294	86.962	-22.811	22.886	-5.751
Hour5	52.703	14.141	-22.966	9.293	85.660	-23.058	23.135	-5.752
Hour6	53.584	12.708	-24.979	9.902	85.645	-24.504	24.737	-6.387
Hour7	53.051	10.943	-22.479	9.106	86.272	-26.557	26.942	-7.020
Hour8	50.029	13.198	-17.287	7.079	86.974	-26.721	27.446	-8.129
Hour9	47.825	11.049	-11.607	5.106	88.477	-30.282	31.261	-9.150
Hour10	46.585	8.431	-7.655	3.672	89.704	-33.396	34.454	-9.507
Hour11	46.403	6.954	-6.734	3.324	90.198	-34.902	36.021	-9.718
Hour12	44.924	7.269	-4.166	2.338	90.843	-35.567	36.747	-9.959
Hour13	45.378	6.684	-4.247	2.513	90.656	-35.584	36.735	-9.839
Hour14	44.506	6.646	-2.296	1.812	91.040	-36.017	37.194	-9.930
Hour15	44.804	6.311	-2.699	1.970	90.983	-36.089	37.228	-9.803
Hour16	44.644	6.831	-2.602	1.886	90.920	-35.792	36.978	-9.937
Hour17	45.617	6.839	-4.627	2.716	90.389	-35.274	36.411	-9.774
Hour18	45.957	5.552	-4.504	2.798	90.538	-35.877	36.855	-9.289
Hour19	45.884	5.303	-3.991	2.705	90.540	-35.881	36.758	-8.955
Hour20	44.081	6.409	-0.507	1.396	91.044	-35.725	36.601	-8.970
Hour21	47.514	5.379	-7.514	4.077	89.752	-34.898	35.663	-8.576
Hour22	47.418	6.566	-7.649	4.076	89.477	-33.873	34.625	-8.515
Hour23	45.648	7.871	-3.921	2.784	89.932	-33.288	34.005	-8.408
Hour24	46.378	9.384	-6.300	3.542	89.276	-31.531	32.128	-7.972

Kentucky Power Company
 Commercial Cooling Demand Model Statistics

Hour	Obs	DF	AdjRSq	DW	StdErr	MAD	MAPE	FObs	FMAD	FMAPE	FAvgErr
Hour1	1826	1818	0.990	0.114	0.765	0.467	24.99%	0	0.000	0.00%	0.000
Hour2	1826	1818	0.991	0.129	0.585	0.354	40.59%	0	0.000	0.00%	0.000
Hour3	1826	1818	0.991	0.130	0.566	0.342	24.62%	0	0.000	0.00%	0.000
Hour4	1826	1818	0.991	0.134	0.545	0.328	21.16%	0	0.000	0.00%	0.000
Hour5	1826	1818	0.991	0.138	0.555	0.333	32.32%	0	0.000	0.00%	0.000
Hour6	1826	1818	0.991	0.138	0.604	0.363	23.53%	0	0.000	0.00%	0.000
Hour7	1826	1818	0.991	0.133	0.644	0.389	51.02%	0	0.000	0.00%	0.000
Hour8	1826	1818	0.991	0.132	0.669	0.407	22.78%	0	0.000	0.00%	0.000
Hour9	1826	1818	0.991	0.124	0.800	0.490	38.35%	0	0.000	0.00%	0.000
Hour10	1826	1818	0.990	0.116	0.956	0.585	54.81%	0	0.000	0.00%	0.000
Hour11	1826	1818	0.990	0.113	1.062	0.651	18.99%	0	0.000	0.00%	0.000
Hour12	1826	1818	0.990	0.112	1.092	0.670	18.70%	0	0.000	0.00%	0.000
Hour13	1826	1818	0.990	0.111	1.143	0.702	19.05%	0	0.000	0.00%	0.000
Hour14	1826	1818	0.990	0.110	1.146	0.704	19.54%	0	0.000	0.00%	0.000
Hour15	1826	1818	0.990	0.110	1.168	0.717	68.21%	0	0.000	0.00%	0.000
Hour16	1826	1818	0.990	0.111	1.151	0.707	19.34%	0	0.000	0.00%	0.000
Hour17	1826	1818	0.990	0.112	1.109	0.680	22.98%	0	0.000	0.00%	0.000
Hour18	1826	1818	0.990	0.109	1.101	0.675	15.61%	0	0.000	0.00%	0.000
Hour19	1826	1818	0.990	0.109	1.072	0.657	18.78%	0	0.000	0.00%	0.000
Hour20	1826	1818	0.990	0.109	1.018	0.624	22.95%	0	0.000	0.00%	0.000
Hour21	1826	1818	0.990	0.110	0.951	0.582	31.38%	0	0.000	0.00%	0.000
Hour22	1826	1818	0.990	0.113	0.885	0.541	24.69%	0	0.000	0.00%	0.000
Hour23	1826	1818	0.990	0.113	0.846	0.517	87.81%	0	0.000	0.00%	0.000
Hour24	1826	1818	0.991	0.116	0.773	0.471	18.20%	0	0.000	0.00%	0.000

Kentucky Power Company
 Commercial Heating Demand Model Coefficients

Variable	HDD50	HDD55	HDD65	HDD65WkEnd	SummerFuzzy	WinterFuzzy	HLight	DST
Hour1	2.806	-1.379	0.261	0.108	0.872	17.070	-0.451	5.670
Hour2	2.458	-1.280	0.225	0.045	0.713	12.574	-0.277	3.317
Hour3	2.400	-1.304	0.298	0.027	0.593	13.123	-0.202	2.338
Hour4	2.439	-1.364	0.369	-0.008	0.491	14.024	-0.170	1.961
Hour5	2.484	-1.380	0.375	-0.007	0.510	14.463	-0.188	2.197
Hour6	2.376	-1.287	0.474	0.000	0.312	17.035	-0.251	3.282
Hour7	2.284	-1.198	0.494	0.006	0.228	17.961	-0.320	4.344
Hour8	2.311	-1.120	0.516	0.050	0.272	20.555	-0.491	6.780
Hour9	2.509	-1.079	0.452	0.099	0.628	23.279	-0.692	9.349
Hour10	2.803	-1.117	0.303	0.107	1.079	23.870	-0.859	11.357
Hour11	2.884	-1.197	0.157	0.097	1.147	20.038	-0.719	9.337
Hour12	2.745	-1.232	0.104	0.141	0.896	14.801	-0.541	7.010
Hour13	2.438	-1.170	0.094	0.159	0.603	10.626	-0.418	5.499
Hour14	2.145	-1.083	0.093	0.145	0.461	8.211	-0.339	4.489
Hour15	1.871	-0.985	0.090	0.131	0.349	6.327	-0.273	3.635
Hour16	1.667	-0.907	0.087	0.125	0.291	5.159	-0.230	3.067
Hour17	1.577	-0.872	0.079	0.148	0.249	4.598	-0.207	2.776
Hour18	1.558	-0.856	0.077	0.135	0.235	4.643	-0.206	2.763
Hour19	1.702	-0.910	0.078	0.133	0.267	5.555	-0.235	3.160
Hour20	2.094	-1.077	0.094	0.134	0.424	8.187	-0.327	4.341
Hour21	2.382	-1.223	0.109	0.151	0.514	9.834	-0.373	4.914
Hour22	2.623	-1.330	0.131	0.130	0.622	11.495	-0.400	5.203
Hour23	2.764	-1.356	0.146	0.123	0.790	13.726	-0.421	5.353
Hour24	2.905	-1.413	0.183	0.100	0.894	15.341	-0.438	5.496

Kentucky Power Company
 Commercial Heating Demand Model Standard Errors

Variable	HDD50	HDD55	HDD65	HDD65WkEnd	SummerFuzzy	WinterFuzzy	HLight	DST
Hour1	0.037	0.047	0.017	0.004	0.131	0.156	0.015	0.158
Hour2	0.030	0.038	0.014	0.003	0.106	0.127	0.012	0.128
Hour3	0.031	0.039	0.014	0.004	0.108	0.129	0.012	0.130
Hour4	0.032	0.041	0.015	0.004	0.114	0.136	0.013	0.138
Hour5	0.033	0.042	0.016	0.004	0.117	0.140	0.013	0.141
Hour6	0.038	0.048	0.018	0.004	0.133	0.159	0.015	0.161
Hour7	0.039	0.050	0.018	0.005	0.138	0.165	0.016	0.167
Hour8	0.043	0.055	0.020	0.005	0.153	0.182	0.018	0.184
Hour9	0.047	0.059	0.022	0.005	0.165	0.197	0.019	0.199
Hour10	0.046	0.059	0.022	0.005	0.163	0.194	0.019	0.196
Hour11	0.041	0.052	0.019	0.005	0.144	0.172	0.017	0.174
Hour12	0.035	0.044	0.016	0.004	0.123	0.147	0.014	0.149
Hour13	0.029	0.036	0.014	0.003	0.101	0.121	0.012	0.122
Hour14	0.024	0.031	0.011	0.003	0.085	0.101	0.010	0.103
Hour15	0.020	0.026	0.010	0.002	0.071	0.085	0.008	0.086
Hour16	0.018	0.022	0.008	0.002	0.062	0.074	0.007	0.075
Hour17	0.017	0.021	0.008	0.002	0.059	0.071	0.007	0.071
Hour18	0.017	0.021	0.008	0.002	0.058	0.070	0.007	0.070
Hour19	0.018	0.023	0.009	0.002	0.065	0.077	0.007	0.078
Hour20	0.023	0.030	0.011	0.003	0.083	0.099	0.010	0.100
Hour21	0.027	0.034	0.013	0.003	0.095	0.114	0.011	0.115
Hour22	0.030	0.038	0.014	0.004	0.107	0.127	0.012	0.129
Hour23	0.034	0.043	0.016	0.004	0.118	0.141	0.014	0.143
Hour24	0.036	0.046	0.017	0.004	0.127	0.152	0.015	0.154

Kentucky Power Company
 Commercial Heating Demand Model t-Statistics

Variable	HDD50	HDD55	HDD65	HDD65WkEnd	SummerFuzzy	WinterFuzzy	HLight	DST
Hour1	75.824	-29.304	14.965	25.209	6.672	109.341	-29.933	35.911
Hour2	81.953	-33.569	15.870	12.848	6.734	99.370	-22.673	25.922
Hour3	78.649	-33.593	20.691	7.635	5.503	101.920	-16.267	17.953
Hour4	75.577	-33.239	24.205	-2.167	4.311	102.996	-12.939	14.238
Hour5	75.093	-32.809	24.017	-1.789	4.366	103.612	-13.935	15.560
Hour6	62.892	-26.789	26.580	0.003	2.335	106.857	-16.331	20.360
Hour7	58.383	-24.083	26.786	1.324	1.652	108.829	-20.073	26.026
Hour8	53.526	-20.389	25.323	9.898	1.781	112.814	-27.962	36.797
Hour9	53.785	-18.188	20.546	18.311	3.810	118.249	-36.447	46.961
Hour10	60.878	-19.073	13.924	20.054	6.633	122.878	-45.815	57.810
Hour11	70.882	-23.139	8.185	20.550	7.983	116.744	-43.454	53.789
Hour12	78.614	-27.750	6.299	34.747	7.266	100.473	-38.067	47.051
Hour13	85.203	-32.157	6.932	47.905	5.965	88.020	-35.897	45.046
Hour14	89.244	-35.433	8.242	52.143	5.424	80.974	-34.682	43.778
Hour15	92.577	-38.327	9.438	55.986	4.889	74.205	-33.205	42.157
Hour16	94.574	-40.467	10.472	61.016	4.676	69.382	-32.080	40.785
Hour17	94.235	-40.978	9.953	76.370	4.208	65.115	-30.429	38.875
Hour18	94.425	-40.793	9.863	70.292	4.031	66.684	-30.617	39.249
Hour19	93.066	-39.116	9.061	62.816	4.133	71.999	-31.599	40.496
Hour20	89.587	-36.226	8.556	49.380	5.140	83.000	-34.367	43.518
Hour21	88.329	-35.661	8.553	48.339	5.392	86.431	-33.940	42.707
Hour22	86.806	-34.623	9.175	37.059	5.830	90.167	-32.494	40.356
Hour23	82.438	-31.798	9.249	31.735	6.673	97.033	-30.845	37.418
Hour24	80.620	-30.836	10.756	23.910	7.021	100.895	-29.872	35.743

Kentucky Power Company
 Commercial Heating Demand Model Statistics

Hour	Obs	DF	AdjRSq	DW	StdErr	MAD	MAPE	FObs	FMAD	FMAPE	FAvgErr
Hour1	1826	1818	0.993	0.252	1.521	1.007	56.69%	0	0.000	0.00%	0.000
Hour2	1826	1818	0.993	0.338	1.233	0.814	44.08%	0	0.000	0.00%	0.000
Hour3	1826	1818	0.993	0.234	1.254	0.806	36.06%	0	0.000	0.00%	0.000
Hour4	1826	1818	0.993	0.183	1.326	0.837	67.96%	0	0.000	0.00%	0.000
Hour5	1826	1818	0.993	0.181	1.360	0.860	34.29%	0	0.000	0.00%	0.000
Hour6	1826	1818	0.993	0.139	1.553	0.975	39.61%	0	0.000	0.00%	0.000
Hour7	1826	1818	0.993	0.134	1.608	1.018	32.44%	0	0.000	0.00%	0.000
Hour8	1826	1818	0.993	0.134	1.775	1.145	29.40%	0	0.000	0.00%	0.000
Hour9	1826	1818	0.993	0.145	1.918	1.261	25.77%	0	0.000	0.00%	0.000
Hour10	1826	1818	0.993	0.180	1.892	1.276	41.09%	0	0.000	0.00%	0.000
Hour11	1826	1818	0.993	0.278	1.672	1.144	29.52%	0	0.000	0.00%	0.000
Hour12	1826	1818	0.992	0.427	1.435	0.962	67.95%	0	0.000	0.00%	0.000
Hour13	1826	1818	0.992	0.541	1.176	0.763	35.13%	0	0.000	0.00%	0.000
Hour14	1826	1818	0.992	0.613	0.988	0.632	32.36%	0	0.000	0.00%	0.000
Hour15	1826	1818	0.991	0.685	0.831	0.524	59.04%	0	0.000	0.00%	0.000
Hour16	1826	1818	0.991	0.741	0.724	0.453	37.80%	0	0.000	0.00%	0.000
Hour17	1826	1818	0.991	0.797	0.688	0.426	44.33%	0	0.000	0.00%	0.000
Hour18	1826	1818	0.991	0.782	0.678	0.421	46.83%	0	0.000	0.00%	0.000
Hour19	1826	1818	0.991	0.727	0.752	0.469	73.77%	0	0.000	0.00%	0.000
Hour20	1826	1818	0.992	0.623	0.961	0.616	51.66%	0	0.000	0.00%	0.000
Hour21	1826	1818	0.992	0.598	1.108	0.716	40.59%	0	0.000	0.00%	0.000
Hour22	1826	1818	0.992	0.547	1.242	0.811	52.48%	0	0.000	0.00%	0.000
Hour23	1826	1818	0.992	0.459	1.378	0.913	47.95%	0	0.000	0.00%	0.000
Hour24	1826	1818	0.993	0.395	1.481	0.989	48.80%	0	0.000	0.00%	0.000

Kentucky Power Company
 Commercial Other Demand Model Coefficients

Variable	HDD50	HDD55	HDD65	CDD65	CDD70	CDD65WkEnd	HDD65WkEnd	CDD70WkEnd	WkDay
Hour1	-0.752	2.029	-0.610	0.434	-0.349	1.996	0.464	-1.831	136.253
Hour2	-0.503	1.395	-0.325	0.866	-0.942	1.561	0.656	-1.194	144.417
Hour3	-0.368	1.318	-0.299	0.783	-0.886	1.518	0.673	-1.148	144.573
Hour4	-0.359	1.348	-0.327	0.685	-0.806	1.716	0.733	-1.353	146.106
Hour5	-0.438	1.395	-0.286	0.574	-0.727	1.794	0.725	-1.397	148.637
Hour6	-0.348	1.353	-0.377	0.483	-0.701	2.029	0.724	-1.628	153.275
Hour7	-0.487	1.512	-0.405	0.448	-0.546	2.260	0.740	-1.904	159.429
Hour8	-0.886	1.869	-0.511	0.377	-0.510	2.293	0.688	-1.883	169.904
Hour9	-1.195	1.899	-0.404	0.229	-0.403	2.423	0.625	-2.077	191.786
Hour10	-1.787	2.193	-0.272	0.363	-0.366	2.265	0.532	-2.045	192.649
Hour11	-1.763	2.250	-0.220	0.974	-0.871	1.819	0.443	-1.495	189.807
Hour12	-1.459	2.347	-0.454	1.439	-1.169	1.377	0.340	-0.965	180.348
Hour13	-0.935	2.423	-0.889	1.533	-1.127	1.307	0.292	-0.837	177.629
Hour14	-0.414	2.324	-1.189	1.701	-1.175	1.004	0.252	-0.502	171.940
Hour15	0.048	2.107	-1.324	1.661	-1.024	1.166	0.219	-0.742	167.936
Hour16	0.327	2.088	-1.519	1.655	-1.044	0.987	0.217	-0.452	165.286
Hour17	0.488	2.029	-1.620	1.695	-1.095	1.115	0.237	-0.617	167.635
Hour18	0.612	1.931	-1.639	1.603	-1.032	1.140	0.339	-0.703	167.084
Hour19	0.690	1.854	-1.607	1.499	-0.956	1.334	0.426	-0.983	180.545
Hour20	0.323	1.988	-1.471	1.392	-0.847	1.697	0.413	-1.393	183.227
Hour21	0.032	2.069	-1.279	1.036	-0.579	2.023	0.405	-1.628	175.491
Hour22	-0.315	2.159	-1.113	0.775	-0.408	1.965	0.481	-1.589	161.744
Hour23	-0.618	2.227	-0.913	0.644	-0.408	1.791	0.460	-1.515	143.341
Hour24	-0.798	2.144	-0.707	0.563	-0.456	1.883	0.462	-1.672	137.050

Kentucky Power Company
 Commercial Other Demand Model Coefficients

Variable	WkEnd	MajorHolidays	January	February	March	April	May	June	July	August
Hour1	123.497	3.944	77.158	65.743	74.761	24.023	31.454	38.837	41.326	34.920
Hour2	135.048	-1.724	84.217	70.751	78.590	25.890	33.611	41.795	44.031	36.564
Hour3	135.132	-1.397	84.300	71.290	79.443	26.501	34.184	42.238	44.323	37.022
Hour4	135.835	-0.815	85.369	72.075	81.014	27.668	35.337	43.241	45.227	37.820
Hour5	137.993	-0.089	87.048	73.053	83.338	28.623	36.005	44.024	46.061	38.382
Hour6	140.537	1.255	89.191	75.445	86.202	29.158	36.539	43.861	45.983	38.442
Hour7	144.289	1.500	93.900	79.926	92.237	29.990	36.844	43.621	46.029	39.032
Hour8	152.091	0.397	99.649	86.044	99.194	32.055	37.956	43.877	45.726	39.580
Hour9	168.013	-0.619	102.757	87.753	99.660	28.845	35.523	43.096	44.092	35.957
Hour10	162.048	-3.991	102.098	86.266	97.239	26.812	34.282	42.018	42.676	34.755
Hour11	159.304	-7.464	100.371	86.325	94.139	23.485	31.762	41.584	41.534	34.424
Hour12	150.384	-9.204	95.675	83.216	87.720	18.228	27.310	37.407	37.296	31.579
Hour13	148.118	-9.479	89.959	80.204	83.137	17.304	27.009	36.400	35.913	31.480
Hour14	141.403	-6.947	85.963	76.313	78.771	16.210	26.159	34.492	34.190	30.562
Hour15	135.561	-5.509	82.417	73.229	74.728	14.638	24.454	32.346	31.906	29.359
Hour16	133.346	-4.796	79.045	70.332	71.009	13.531	23.186	30.561	30.285	28.867
Hour17	135.852	-4.530	77.315	68.150	68.806	13.663	23.987	31.012	31.632	29.839
Hour18	137.867	-5.594	75.501	64.837	65.493	12.803	23.104	30.497	31.609	29.357
Hour19	156.965	-5.313	76.623	62.077	62.764	13.958	25.493	33.031	34.087	29.512
Hour20	162.660	-6.445	81.848	69.951	71.462	23.189	34.377	41.996	43.199	37.600
Hour21	155.702	-5.503	80.686	71.238	77.369	23.138	33.350	40.837	41.739	35.365
Hour22	142.491	-3.451	79.080	67.811	75.251	21.062	28.823	34.652	35.467	31.275
Hour23	127.662	-0.378	77.034	65.437	71.916	19.649	28.273	35.563	36.943	31.195
Hour24	123.746	2.197	76.570	65.252	73.062	21.837	29.539	36.711	38.776	32.404

Kentucky Power Company
 Commercial Other Demand Model Coefficients

Variable	September	October	November	December	SummerFuzzy	WinterFuzzy	HLight	DST
Hour1	22.311	13.169	3.739	0.000	-6.757	-14.844	-4.503	-6.198
Hour2	23.429	12.177	4.784	0.000	-4.873	-11.299	-5.789	-3.537
Hour3	23.678	12.181	5.313	0.000	-4.659	-11.925	-6.080	-2.164
Hour4	24.262	12.715	6.080	0.000	-4.397	-12.904	-6.348	-1.902
Hour5	24.684	12.862	6.272	0.000	-4.439	-13.316	-6.596	-2.047
Hour6	24.645	13.023	6.567	0.000	-4.707	-15.595	-6.718	-3.558
Hour7	25.641	13.884	7.225	0.000	-4.979	-16.286	-6.904	-4.884
Hour8	26.225	14.953	7.540	0.000	-5.226	-18.833	-7.090	-7.952
Hour9	22.317	10.973	6.749	0.000	-6.760	-20.912	-8.245	-4.804
Hour10	20.115	9.772	6.520	0.000	-8.586	-20.678	-7.036	-7.258
Hour11	19.769	9.400	5.269	0.000	-9.460	-16.227	-6.209	-5.270
Hour12	18.386	7.827	3.852	0.000	-9.389	-10.662	-4.899	-2.153
Hour13	19.700	9.143	2.908	0.000	-9.471	-6.213	-4.305	-1.376
Hour14	20.949	11.075	2.866	0.000	-9.375	-3.704	-3.605	-1.207
Hour15	20.843	11.484	2.354	0.000	-9.446	-1.707	-3.063	-0.123
Hour16	21.172	11.667	1.965	0.000	-9.206	-0.593	-2.608	0.197
Hour17	21.681	12.120	2.214	0.000	-8.758	-0.201	-2.765	0.343
Hour18	20.749	10.722	1.470	0.000	-8.716	-0.251	-2.842	0.217
Hour19	18.558	7.935	0.808	0.000	-8.545	-1.327	-4.314	-1.963
Hour20	25.332	15.595	2.282	0.000	-8.267	-4.249	-4.962	-10.658
Hour21	25.106	17.418	3.213	0.000	-7.676	-6.277	-4.901	-8.214
Hour22	21.246	11.636	2.239	0.000	-7.261	-8.351	-4.191	-3.773
Hour23	19.765	10.969	2.112	0.000	-7.205	-10.909	-3.416	-5.145
Hour24	20.452	11.754	2.835	0.000	-6.704	-13.037	-3.905	-5.516

Kentucky Power Company
 Commercial Other Demand Model Standard Errors

Variable	HDD50	HDD55	HDD65	CDD65	CDD70	CDD65WkEnd	HDD65WkEnd	CDD70WkEnd	WkDay
Hour1	0.127	0.173	0.075	0.139	0.190	0.199	0.025	0.299	5.350
Hour2	0.123	0.168	0.072	0.135	0.184	0.194	0.025	0.290	5.191
Hour3	0.121	0.166	0.071	0.133	0.181	0.190	0.024	0.285	5.108
Hour4	0.121	0.165	0.071	0.133	0.181	0.190	0.024	0.284	5.092
Hour5	0.122	0.166	0.072	0.133	0.182	0.191	0.024	0.286	5.126
Hour6	0.125	0.171	0.074	0.137	0.187	0.196	0.025	0.294	5.267
Hour7	0.131	0.178	0.077	0.143	0.195	0.205	0.026	0.307	5.490
Hour8	0.138	0.188	0.081	0.151	0.206	0.216	0.027	0.324	5.803
Hour9	0.146	0.199	0.086	0.160	0.218	0.229	0.029	0.343	6.142
Hour10	0.157	0.214	0.092	0.172	0.234	0.246	0.031	0.368	6.595
Hour11	0.165	0.224	0.097	0.180	0.246	0.258	0.033	0.387	6.924
Hour12	0.167	0.228	0.098	0.183	0.250	0.262	0.033	0.392	7.030
Hour13	0.169	0.231	0.099	0.185	0.253	0.265	0.034	0.397	7.110
Hour14	0.169	0.231	0.099	0.185	0.253	0.265	0.034	0.397	7.115
Hour15	0.170	0.232	0.100	0.186	0.254	0.267	0.034	0.400	7.157
Hour16	0.172	0.235	0.101	0.188	0.257	0.270	0.034	0.404	7.233
Hour17	0.171	0.234	0.101	0.188	0.256	0.269	0.034	0.402	7.208
Hour18	0.169	0.230	0.099	0.185	0.252	0.264	0.034	0.396	7.091
Hour19	0.164	0.224	0.097	0.180	0.246	0.258	0.033	0.386	6.910
Hour20	0.165	0.226	0.097	0.181	0.247	0.259	0.033	0.388	6.958
Hour21	0.159	0.217	0.093	0.174	0.238	0.250	0.032	0.374	6.692
Hour22	0.149	0.203	0.088	0.163	0.223	0.234	0.030	0.350	6.273
Hour23	0.141	0.193	0.083	0.155	0.211	0.222	0.028	0.332	5.946
Hour24	0.132	0.180	0.078	0.145	0.197	0.207	0.026	0.310	5.552

Kentucky Power Company
 Commercial Other Demand Model Standard Errors

Variable	WkEnd	MajorHolidays	January	February	March	April	May	June	July	August
Hour1	5.376	0.959	0.612	0.897	1.391	1.807	2.173	2.307	2.198	1.866
Hour2	5.216	0.931	0.594	0.870	1.349	1.753	2.108	2.239	2.133	1.811
Hour3	5.133	0.916	0.584	0.856	1.328	1.725	2.075	2.203	2.098	1.782
Hour4	5.117	0.913	0.582	0.854	1.324	1.720	2.068	2.196	2.092	1.776
Hour5	5.151	0.919	0.586	0.859	1.332	1.731	2.082	2.211	2.106	1.788
Hour6	5.293	0.944	0.602	0.883	1.369	1.779	2.139	2.272	2.164	1.838
Hour7	5.518	0.984	0.628	0.921	1.427	1.854	2.230	2.368	2.256	1.915
Hour8	5.831	1.040	0.664	0.973	1.508	1.960	2.357	2.503	2.384	2.024
Hour9	6.172	1.101	0.702	1.030	1.597	2.074	2.495	2.649	2.523	2.143
Hour10	6.627	1.182	0.754	1.106	1.714	2.227	2.679	2.844	2.709	2.301
Hour11	6.958	1.241	0.792	1.161	1.800	2.338	2.812	2.986	2.845	2.416
Hour12	7.064	1.260	0.804	1.179	1.827	2.374	2.855	3.032	2.888	2.452
Hour13	7.145	1.275	0.813	1.192	1.848	2.401	2.888	3.067	2.921	2.481
Hour14	7.150	1.276	0.814	1.193	1.849	2.403	2.890	3.068	2.923	2.482
Hour15	7.192	1.283	0.818	1.200	1.860	2.417	2.907	3.087	2.940	2.497
Hour16	7.269	1.297	0.827	1.213	1.880	2.443	2.938	3.120	2.972	2.523
Hour17	7.244	1.292	0.824	1.209	1.874	2.434	2.928	3.109	2.961	2.515
Hour18	7.126	1.271	0.811	1.189	1.843	2.395	2.880	3.058	2.913	2.474
Hour19	6.944	1.239	0.790	1.159	1.796	2.334	2.807	2.980	2.839	2.411
Hour20	6.993	1.248	0.796	1.167	1.809	2.350	2.826	3.001	2.859	2.427
Hour21	6.725	1.200	0.765	1.122	1.739	2.260	2.718	2.886	2.749	2.334
Hour22	6.304	1.125	0.717	1.052	1.630	2.119	2.548	2.705	2.577	2.188
Hour23	5.975	1.066	0.680	0.997	1.546	2.008	2.415	2.564	2.443	2.074
Hour24	5.579	0.995	0.635	0.931	1.443	1.875	2.255	2.395	2.281	1.937

Kentucky Power Company
 Commercial Other Demand Model Standard Errors

Variable	September	October	November	December	SummerFuzzy	WinterFuzzy	HLight	DST
Hour1	1.576	1.253	0.647	0.000	1.014	1.041	0.514	0.808
Hour2	1.530	1.215	0.628	0.000	0.984	1.010	0.499	0.784
Hour3	1.505	1.196	0.618	0.000	0.968	0.993	0.491	0.771
Hour4	1.500	1.192	0.616	0.000	0.965	0.990	0.490	0.769
Hour5	1.510	1.200	0.620	0.000	0.971	0.997	0.493	0.774
Hour6	1.552	1.233	0.637	0.000	0.998	1.025	0.506	0.796
Hour7	1.618	1.285	0.664	0.000	1.040	1.068	0.528	0.829
Hour8	1.710	1.359	0.702	0.000	1.100	1.129	0.558	0.876
Hour9	1.810	1.438	0.743	0.000	1.164	1.195	0.591	0.928
Hour10	1.943	1.544	0.798	0.000	1.250	1.283	0.634	0.996
Hour11	2.040	1.621	0.838	0.000	1.312	1.347	0.666	1.046
Hour12	2.071	1.646	0.851	0.000	1.332	1.367	0.676	1.062
Hour13	2.095	1.665	0.860	0.000	1.347	1.383	0.684	1.074
Hour14	2.096	1.666	0.861	0.000	1.348	1.384	0.684	1.075
Hour15	2.109	1.676	0.866	0.000	1.356	1.392	0.688	1.081
Hour16	2.131	1.694	0.875	0.000	1.371	1.407	0.695	1.093
Hour17	2.124	1.688	0.872	0.000	1.366	1.402	0.693	1.089
Hour18	2.089	1.660	0.858	0.000	1.344	1.379	0.682	1.071
Hour19	2.036	1.618	0.836	0.000	1.309	1.344	0.664	1.044
Hour20	2.050	1.629	0.842	0.000	1.318	1.353	0.669	1.051
Hour21	1.972	1.567	0.810	0.000	1.268	1.302	0.643	1.011
Hour22	1.848	1.469	0.759	0.000	1.189	1.220	0.603	0.947
Hour23	1.752	1.392	0.719	0.000	1.127	1.157	0.572	0.898
Hour24	1.636	1.300	0.672	0.000	1.052	1.080	0.534	0.839

Kentucky Power Company
 Commercial Other Demand Model t-Statistics

Variable	HDD50	HDD55	HDD65	CDD65	CDD70	CDD65WkEnd	HDD65WkEnd	CDD70WkEnd	WkDay
Hour1	-5.909	11.698	-8.159	3.113	-1.834	10.003	18.360	-6.132	25.469
Hour2	-4.073	8.288	-4.485	6.407	-5.106	8.063	26.737	-4.119	27.822
Hour3	-3.027	7.957	-4.185	5.886	-4.880	7.971	27.858	-4.025	28.306
Hour4	-2.964	8.164	-4.595	5.168	-4.455	9.039	30.465	-4.760	28.693
Hour5	-3.593	8.397	-3.997	4.302	-3.990	9.386	29.926	-4.880	28.997
Hour6	-2.780	7.925	-5.127	3.520	-3.747	10.331	29.082	-5.537	29.100
Hour7	-3.731	8.494	-5.282	3.133	-2.800	11.038	28.512	-6.212	29.038
Hour8	-6.424	9.933	-6.305	2.497	-2.476	10.597	25.071	-5.814	29.280
Hour9	-8.186	9.534	-4.709	1.434	-1.845	10.579	21.519	-6.057	31.225
Hour10	-11.400	10.256	-2.955	2.112	-1.560	9.212	17.078	-5.555	29.213
Hour11	-10.709	10.024	-2.273	5.402	-3.542	7.046	13.537	-3.867	27.413
Hour12	-8.732	10.298	-4.620	7.862	-4.679	5.252	10.217	-2.460	25.656
Hour13	-5.533	10.510	-8.949	8.282	-4.459	4.929	8.699	-2.109	24.982
Hour14	-2.450	10.077	-11.971	9.184	-4.647	3.784	7.481	-1.264	24.167
Hour15	0.281	9.083	-13.246	8.914	-4.027	4.368	6.475	-1.856	23.466
Hour16	1.904	8.905	-15.038	8.786	-4.063	3.660	6.352	-1.120	22.850
Hour17	2.850	8.684	-16.091	9.032	-4.273	4.147	6.947	-1.534	23.257
Hour18	3.632	8.399	-16.552	8.682	-4.097	4.311	10.115	-1.775	23.564
Hour19	4.202	8.277	-16.655	8.332	-3.894	5.177	13.033	-2.547	26.127
Hour20	1.952	8.814	-15.135	7.684	-3.425	6.539	12.547	-3.585	26.333
Hour21	0.201	9.539	-13.689	5.945	-2.436	8.108	12.796	-4.358	26.225
Hour22	-2.114	10.617	-12.710	4.747	-1.830	8.402	16.225	-4.538	25.786
Hour23	-4.372	11.553	-10.990	4.159	-1.929	8.076	16.361	-4.565	24.108
Hour24	-6.049	11.910	-9.121	3.896	-2.310	9.093	17.618	-5.395	24.685

Kentucky Power Company
 Commercial Other Demand Model t-Statistics

Variable	WkEnd	MajorHolidays	January	February	March	April	May	June	July	August
Hour1	22.972	4.112	126.127	73.297	53.763	13.296	14.475	16.833	18.803	18.711
Hour2	25.889	-1.852	141.882	81.294	58.247	14.768	15.942	18.669	20.647	20.191
Hour3	26.327	-1.526	144.334	83.248	59.839	15.363	16.477	19.174	21.122	20.777
Hour4	26.545	-0.893	146.613	84.423	61.209	16.088	17.085	19.690	21.619	21.290
Hour5	26.789	-0.097	148.507	85.002	62.549	16.533	17.293	19.914	21.872	21.464
Hour6	26.550	1.328	148.081	85.430	62.962	16.391	17.078	19.308	21.249	20.921
Hour7	26.151	1.524	149.561	86.825	64.631	16.173	16.521	18.422	20.406	20.378
Hour8	26.082	0.382	150.175	88.441	65.765	16.356	16.104	17.532	19.181	19.552
Hour9	27.220	-0.562	146.302	85.212	62.423	13.905	14.239	16.269	17.473	16.781
Hour10	24.452	-3.375	135.387	78.020	56.727	12.038	12.798	14.773	15.751	15.107
Hour11	22.895	-6.013	126.769	74.361	52.307	10.043	11.294	13.925	14.601	14.251
Hour12	21.288	-7.303	119.022	70.605	48.007	7.677	9.565	12.338	12.914	12.877
Hour13	20.729	-7.436	110.640	67.277	44.983	7.206	9.352	11.870	12.294	12.691
Hour14	19.777	-5.446	105.662	63.975	42.595	6.746	9.052	11.241	11.697	12.313
Hour15	18.849	-4.294	100.710	61.030	40.172	6.056	8.412	10.480	10.852	11.759
Hour16	18.344	-3.698	95.563	57.993	37.767	5.538	7.891	9.796	10.191	11.439
Hour17	18.755	-3.505	93.800	56.391	36.724	5.612	8.193	9.976	10.682	11.866
Hour18	19.348	-4.400	93.115	54.538	35.534	5.346	8.022	9.972	10.851	11.868
Hour19	22.603	-4.288	96.967	53.579	34.943	5.981	9.082	11.083	12.007	12.242
Hour20	23.262	-5.166	102.866	59.959	39.511	9.868	12.163	13.994	15.111	15.489
Hour21	23.154	-4.586	105.444	63.495	44.481	10.238	12.270	14.150	15.182	15.149
Hour22	22.605	-3.068	110.249	64.478	46.153	9.942	11.313	12.809	13.763	14.292
Hour23	21.365	-0.354	113.298	65.640	46.532	9.785	11.707	13.868	15.123	15.039
Hour24	22.179	2.207	120.605	70.098	50.627	11.646	13.098	15.331	17.000	16.730

Kentucky Power Company
 Commercial Other Demand Model t-Statistics

Variable	September	October	November	December	SummerFuzzy	WinterFuzzy	HLight	DST
Hour1	14.153	10.514	5.776	0.000	-6.666	-14.266	-8.755	-7.671
Hour2	15.318	10.019	7.617	0.000	-4.954	-11.192	-11.599	-4.511
Hour3	15.733	10.186	8.597	0.000	-4.814	-12.004	-12.380	-2.805
Hour4	16.170	10.665	9.869	0.000	-4.558	-13.029	-12.965	-2.473
Hour5	16.342	10.717	10.113	0.000	-4.570	-13.356	-13.384	-2.644
Hour6	15.879	10.560	10.304	0.000	-4.716	-15.222	-13.265	-4.472
Hour7	15.849	10.800	10.877	0.000	-4.786	-15.250	-13.078	-5.889
Hour8	15.338	11.006	10.740	0.000	-4.753	-16.686	-12.707	-9.073
Hour9	12.331	7.630	9.082	0.000	-5.809	-17.505	-13.961	-5.178
Hour10	10.351	6.329	8.171	0.000	-6.871	-16.120	-11.096	-7.287
Hour11	9.690	5.799	6.290	0.000	-7.211	-12.049	-9.327	-5.039
Hour12	8.876	4.756	4.529	0.000	-7.049	-7.798	-7.248	-2.028
Hour13	9.403	5.492	3.381	0.000	-7.030	-4.492	-6.297	-1.281
Hour14	9.993	6.649	3.330	0.000	-6.954	-2.677	-5.270	-1.123
Hour15	9.884	6.854	2.718	0.000	-6.966	-1.226	-4.451	-0.114
Hour16	9.933	6.889	2.245	0.000	-6.717	-0.421	-3.749	0.181
Hour17	10.208	7.182	2.539	0.000	-6.412	-0.143	-3.989	0.315
Hour18	9.931	6.458	1.713	0.000	-6.487	-0.182	-4.169	0.203
Hour19	9.114	4.905	0.966	0.000	-6.526	-0.987	-6.493	-1.881
Hour20	12.355	9.573	2.710	0.000	-6.271	-3.139	-7.416	-10.142
Hour21	12.733	11.117	3.968	0.000	-6.054	-4.823	-7.618	-8.127
Hour22	11.495	7.923	2.950	0.000	-6.109	-6.845	-6.950	-3.983
Hour23	11.281	7.879	2.936	0.000	-6.395	-9.433	-5.974	-5.729
Hour24	12.501	9.042	4.220	0.000	-6.373	-12.072	-7.315	-6.577

Kentucky Power Company
 Commercial Other Demand Model Statistics

Hour	Obs	DF	AdjRSq	DW	StdErr	MAD	MAPE	FObs	FMAD	FMAPE	FAvgErr
Hour1	1826	1799	0.969	0.073	5.018	3.839	3.67%	0	0.000	0.00%	0.000
Hour2	1826	1799	0.976	0.168	4.869	3.725	3.53%	0	0.000	0.00%	0.000
Hour3	1826	1799	0.977	0.136	4.791	3.646	3.53%	0	0.000	0.00%	0.000
Hour4	1826	1799	0.977	0.126	4.776	3.617	3.54%	0	0.000	0.00%	0.000
Hour5	1826	1799	0.978	0.121	4.808	3.630	3.55%	0	0.000	0.00%	0.000
Hour6	1826	1799	0.977	0.088	4.941	3.720	3.64%	0	0.000	0.00%	0.000
Hour7	1826	1799	0.978	0.088	5.150	3.875	3.66%	0	0.000	0.00%	0.000
Hour8	1826	1799	0.978	0.088	5.443	4.092	3.70%	0	0.000	0.00%	0.000
Hour9	1826	1799	0.977	0.078	5.761	4.349	3.79%	0	0.000	0.00%	0.000
Hour10	1826	1799	0.974	0.085	6.186	4.721	3.77%	0	0.000	0.00%	0.000
Hour11	1826	1799	0.972	0.109	6.495	5.002	3.68%	0	0.000	0.00%	0.000
Hour12	1826	1799	0.970	0.090	6.594	5.105	3.55%	0	0.000	0.00%	0.000
Hour13	1826	1799	0.966	0.107	6.670	5.212	3.52%	0	0.000	0.00%	0.000
Hour14	1826	1799	0.963	0.135	6.674	5.246	3.51%	0	0.000	0.00%	0.000
Hour15	1826	1799	0.961	0.156	6.713	5.296	3.51%	0	0.000	0.00%	0.000
Hour16	1826	1799	0.958	0.207	6.785	5.373	3.52%	0	0.000	0.00%	0.000
Hour17	1826	1799	0.955	0.223	6.761	5.360	3.50%	0	0.000	0.00%	0.000
Hour18	1826	1799	0.954	0.210	6.651	5.274	3.50%	0	0.000	0.00%	0.000
Hour19	1826	1799	0.956	0.201	6.482	5.125	3.51%	0	0.000	0.00%	0.000
Hour20	1826	1799	0.958	0.288	6.527	5.147	3.62%	0	0.000	0.00%	0.000
Hour21	1826	1799	0.961	0.244	6.277	4.937	3.59%	0	0.000	0.00%	0.000
Hour22	1826	1799	0.962	0.112	5.884	4.577	3.46%	0	0.000	0.00%	0.000
Hour23	1826	1799	0.963	0.099	5.577	4.320	3.52%	0	0.000	0.00%	0.000
Hour24	1826	1799	0.966	0.091	5.208	4.005	3.58%	0	0.000	0.00%	0.000

Kentucky Power Company
 Industrial Demand Model Coefficients

Variable	Constant	HDD50	HDD55	HDD65	CDD65	CDD70	CDD65WkEnd	HDD65WkEnd	CDD65WkEnd	CDD70WkEnd	WkEnd	MajorHolidays	Monday
Hour1	227.263	-2.829	2.819	-0.492	0.749	-1.152	1.141	0.369	-0.951	-11.711	-2.135	-5.175	
Hour2	225.868	-2.709	2.664	-0.455	0.748	-1.151	1.132	0.375	-0.945	-11.083	-2.921	-4.073	
Hour3	225.657	-2.684	2.598	-0.405	0.775	-1.213	1.062	0.351	-0.846	-10.115	-3.478	-3.227	
Hour4	230.230	-2.757	2.645	-0.390	0.785	-1.238	0.975	0.345	-0.722	-10.015	-3.732	-2.961	
Hour5	228.261	-2.798	2.635	-0.353	0.840	-1.304	0.902	0.330	-0.634	-10.712	-4.448	-2.467	
Hour6	228.320	-3.028	2.924	-0.448	0.746	-1.210	1.032	0.334	-0.805	-12.510	-5.019	-1.388	
Hour7	234.109	-3.249	3.180	-0.548	0.763	-1.164	1.286	0.295	-1.216	-13.815	-6.886	0.066	
Hour8	236.698	-3.597	3.544	-0.604	0.931	-1.282	1.294	0.238	-1.225	-12.849	-10.053	1.624	
Hour9	231.553	-3.827	3.681	-0.545	0.990	-1.416	1.334	0.249	-1.203	-15.561	-10.491	2.332	
Hour10	230.366	-3.778	3.632	-0.553	1.120	-1.571	1.289	0.248	-1.108	-15.816	-10.647	2.435	
Hour11	229.531	-3.720	3.598	-0.574	1.168	-1.601	1.171	0.231	-0.949	-15.564	-10.575	3.032	
Hour12	230.380	-3.573	3.456	-0.564	1.121	-1.574	1.222	0.256	-0.927	-14.919	-10.010	2.978	
Hour13	230.687	-3.472	3.379	-0.583	1.016	-1.419	1.305	0.268	-1.052	-15.865	-10.305	3.508	
Hour14	225.727	-3.544	3.424	-0.565	1.089	-1.639	1.220	0.253	-0.849	-16.668	-10.221	3.913	
Hour15	226.422	-3.551	3.423	-0.560	1.096	-1.618	1.284	0.276	-0.978	-15.834	-10.433	4.589	
Hour16	228.119	-3.382	3.260	-0.536	1.059	-1.507	1.336	0.267	-1.088	-12.749	-10.499	4.667	
Hour17	229.131	-3.262	3.116	-0.483	1.199	-1.641	1.205	0.266	-1.020	-9.128	-9.647	3.301	
Hour18	230.425	-3.089	2.991	-0.464	1.156	-1.521	1.134	0.270	-1.038	-6.804	-8.637	2.689	
Hour19	228.785	-3.092	3.042	-0.480	1.106	-1.435	1.045	0.266	-1.001	-5.364	-8.382	2.519	
Hour20	230.800	-3.116	3.060	-0.473	0.922	-1.263	1.148	0.280	-1.055	-5.231	-8.738	2.485	
Hour21	230.645	-3.041	2.973	-0.444	0.808	-1.122	1.187	0.282	-1.092	-4.964	-9.073	2.720	
Hour22	231.598	-3.052	2.946	-0.436	0.670	-1.017	1.296	0.320	-1.213	-9.155	-7.550	2.154	
Hour23	232.949	-3.013	2.855	-0.401	0.754	-1.114	1.171	0.341	-1.062	-11.575	-6.512	2.159	
Hour24	231.899	-3.054	2.908	-0.404	0.730	-1.054	1.161	0.338	-1.096	-10.779	-6.678	2.178	

Kentucky Power Company
 Industrial Demand Model Coefficients

Variable	TWT	January	February	March	April	May	June	July	August	September	October	November	December	HLight	DST
Hour1	0.595	85.344	88.551	78.098	9.852	8.746	3.490	3.682	1.879	-2.471	-11.153	-4.031	0.000	1.570	-7.565
Hour2	0.671	84.223	87.426	77.262	9.769	8.397	3.165	3.436	1.614	-2.908	-11.226	-4.343	0.000	1.656	-7.879
Hour3	0.678	83.441	86.316	75.945	9.950	8.588	3.527	3.965	1.748	-2.827	-11.750	-4.435	0.000	1.565	-7.666
Hour4	0.582	83.429	86.428	76.466	11.515	11.100	6.108	6.406	4.063	-1.217	-10.900	-4.448	0.000	1.077	-7.587
Hour5	0.795	84.091	87.034	76.119	10.409	9.939	4.686	4.942	2.986	-1.801	-11.347	-4.526	0.000	1.348	-7.649
Hour6	1.741	86.151	88.734	78.280	11.047	10.197	5.149	5.079	3.210	-1.173	-10.584	-4.273	0.000	1.496	-8.591
Hour7	2.701	90.841	93.192	82.899	12.023	10.617	5.750	5.052	4.289	-0.486	-9.391	-3.632	0.000	1.026	-8.484
Hour8	3.509	94.632	96.598	86.272	11.636	10.139	6.585	4.146	3.794	-1.273	-8.699	-4.007	0.000	0.596	-7.244
Hour9	3.835	96.164	97.382	87.212	11.665	10.087	6.635	3.871	3.936	-0.800	-8.668	-3.800	0.000	1.090	-6.968
Hour10	4.045	96.619	97.266	87.923	11.990	10.201	6.542	3.999	4.079	-0.449	-8.479	-3.569	0.000	1.206	-7.661
Hour11	3.923	96.573	97.520	87.852	11.680	9.659	5.700	3.365	3.308	-1.012	-8.807	-3.750	0.000	1.315	-7.632
Hour12	3.492	96.364	97.280	87.832	11.702	9.785	6.438	4.244	4.171	-0.874	-9.584	-3.817	0.000	1.109	-6.804
Hour13	3.463	96.080	97.267	87.574	11.671	9.806	6.262	4.430	4.314	-0.800	-9.397	-3.578	0.000	1.146	-6.612
Hour14	3.852	96.325	96.518	87.507	10.990	8.753	4.892	3.100	4.216	-0.940	-9.028	-4.023	0.000	1.686	-7.492
Hour15	4.006	94.352	94.645	86.595	11.342	9.324	5.765	3.941	4.695	-0.831	-8.892	-4.088	0.000	1.476	-7.099
Hour16	4.155	92.537	93.477	85.129	11.012	9.311	6.160	3.516	3.343	-2.164	-9.930	-3.714	0.000	1.027	-5.504
Hour17	3.031	90.490	92.466	84.498	11.716	10.306	7.134	4.882	3.773	-1.689	-10.113	-4.192	0.000	0.628	-5.413
Hour18	2.312	87.538	90.215	81.135	11.279	10.347	7.436	5.085	3.774	-2.309	-11.118	-4.113	0.000	0.394	-5.499
Hour19	2.112	87.318	90.266	80.363	11.753	10.571	7.753	5.770	4.286	-1.755	-10.485	-3.731	0.000	0.460	-6.404
Hour20	2.271	87.090	90.616	81.811	13.440	12.638	10.371	8.499	6.501	0.068	-8.217	-3.035	0.000	0.196	-6.881
Hour21	2.606	87.309	90.288	82.771	13.986	12.972	9.629	8.696	7.041	0.517	-8.388	-2.900	0.000	0.167	-6.199
Hour22	2.513	86.702	89.975	80.851	13.048	12.419	8.971	9.194	6.541	0.094	-9.407	-3.182	0.000	0.528	-6.537
Hour23	3.168	86.670	90.393	79.494	12.333	11.863	7.762	8.228	5.408	-0.592	-10.319	-3.308	0.000	0.669	-6.240
Hour24	3.207	86.716	90.084	78.885	11.634	11.738	7.150	7.295	4.608	-1.157	-10.953	-3.361	0.000	0.728	-5.684

Kentucky Power Company
 Industrial Demand Model Standard Errors

Variable	Constant	HDD50	HDD55	HDD65	CDD65	CDD70	CDD65WkEnd	HDD65WkEnd	CDD70WkEnd	WkEnd	MajorHolidays	Monday
Hour1	78.117	2.278	3.088	1.316	2.543	3.516	3.635	0.445	5.518	11.524	18.509	8.112
Hour2	77.255	2.253	3.054	1.302	2.515	3.478	3.594	0.440	5.457	11.396	18.305	8.022
Hour3	76.370	2.227	3.019	1.287	2.486	3.438	3.553	0.435	5.395	11.266	18.095	7.930
Hour4	75.861	2.213	2.999	1.278	2.469	3.415	3.530	0.432	5.359	11.191	17.974	7.877
Hour5	76.502	2.231	3.025	1.289	2.490	3.444	3.559	0.436	5.404	11.285	18.126	7.944
Hour6	78.246	2.282	3.094	1.319	2.547	3.522	3.641	0.446	5.527	11.543	18.540	8.125
Hour7	82.571	2.408	3.265	1.391	2.688	3.717	3.842	0.470	5.833	12.181	19.564	8.574
Hour8	86.507	2.523	3.420	1.458	2.816	3.894	4.025	0.493	6.111	12.761	20.497	8.983
Hour9	88.225	2.573	3.488	1.487	2.872	3.971	4.105	0.502	6.232	13.015	20.904	9.161
Hour10	88.451	2.580	3.497	1.491	2.879	3.982	4.115	0.504	6.248	13.048	20.957	9.185
Hour11	88.876	2.592	3.514	1.498	2.893	4.001	4.135	0.506	6.278	13.111	21.058	9.229
Hour12	88.824	2.591	3.512	1.497	2.891	3.998	4.133	0.506	6.275	13.103	21.046	9.223
Hour13	88.665	2.586	3.505	1.494	2.886	3.991	4.125	0.505	6.263	13.079	21.008	9.207
Hour14	88.924	2.594	3.516	1.499	2.894	4.003	4.137	0.506	6.282	13.118	21.069	9.234
Hour15	87.308	2.546	3.452	1.471	2.842	3.930	4.062	0.497	6.167	12.879	20.687	9.066
Hour16	85.513	2.494	3.381	1.441	2.783	3.849	3.979	0.487	6.041	12.614	20.261	8.880
Hour17	83.503	2.435	3.301	1.407	2.718	3.759	3.885	0.476	5.899	12.318	19.785	8.671
Hour18	80.768	2.356	3.193	1.361	2.629	3.636	3.758	0.460	5.705	11.914	19.137	8.387
Hour19	79.442	2.317	3.141	1.339	2.586	3.576	3.696	0.452	5.612	11.719	18.823	8.249
Hour20	79.185	2.309	3.131	1.334	2.577	3.565	3.684	0.451	5.594	11.681	18.762	8.222
Hour21	79.283	2.312	3.135	1.336	2.581	3.569	3.689	0.452	5.601	11.696	18.785	8.233
Hour22	78.641	2.294	3.109	1.325	2.560	3.540	3.659	0.448	5.555	11.601	18.633	8.166
Hour23	78.451	2.288	3.102	1.322	2.553	3.532	3.650	0.447	5.542	11.573	18.588	8.146
Hour24	78.369	2.286	3.098	1.321	2.551	3.528	3.646	0.446	5.536	11.561	18.569	8.138

Kentucky Power Company
 Industrial Demand Model Standard Errors

Variable	TWT	January	February	March	April	May	June	July	August	September	October	November	December	HLight	DST
Hour1	6.606	10.884	14.943	22.049	30.936	38.355	42.316	40.308	33.545	25.584	19.218	11.825	0.000	8.039	14.038
Hour2	6.533	10.764	14.778	21.805	30.594	37.931	41.849	39.862	33.175	25.302	19.006	11.694	0.000	7.951	13.883
Hour3	6.458	10.640	14.608	21.556	30.244	37.497	41.370	39.406	32.795	25.012	18.788	11.560	0.000	7.859	13.724
Hour4	6.415	10.569	14.511	21.412	30.042	37.247	41.094	39.143	32.576	24.845	18.663	11.483	0.000	7.807	13.633
Hour5	6.469	10.659	14.634	21.593	30.296	37.562	41.442	39.474	32.852	25.055	18.820	11.581	0.000	7.873	13.748
Hour6	6.617	10.902	14.967	22.085	30.987	38.418	42.386	40.374	33.601	25.627	19.250	11.845	0.000	8.053	14.062
Hour7	6.983	11.504	15.795	23.306	32.700	40.542	44.729	42.606	35.458	27.043	20.314	12.499	0.000	8.498	14.839
Hour8	7.315	12.053	16.548	24.417	34.259	42.474	46.861	44.637	37.148	28.332	21.282	13.095	0.000	8.903	15.546
Hour9	7.461	12.292	16.876	24.902	34.939	43.317	47.792	45.523	37.885	28.895	21.704	13.355	0.000	9.079	15.855
Hour10	7.480	12.323	16.919	24.965	35.028	43.428	47.914	45.639	37.982	28.969	21.760	13.389	0.000	9.103	15.895
Hour11	7.516	12.383	17.001	25.085	35.196	43.637	48.144	45.859	38.165	29.108	21.864	13.454	0.000	9.146	15.972
Hour12	7.511	12.375	16.991	25.071	35.176	43.612	48.116	45.832	38.143	29.091	21.852	13.446	0.000	9.141	15.962
Hour13	7.498	12.353	16.960	25.026	35.113	43.533	48.030	45.750	38.074	29.039	21.813	13.422	0.000	9.125	15.934
Hour14	7.520	12.389	17.010	25.099	35.215	43.661	48.170	45.884	38.186	29.124	21.876	13.461	0.000	9.151	15.980
Hour15	7.383	12.164	16.701	24.643	34.575	42.867	47.295	45.050	37.492	28.594	21.479	13.216	0.000	8.985	15.690
Hour16	7.231	11.914	16.357	24.136	33.865	41.986	46.323	44.124	36.721	28.007	21.037	12.945	0.000	8.800	15.367
Hour17	7.061	11.634	15.973	23.569	33.069	40.999	45.234	43.087	35.858	27.348	20.543	12.640	0.000	8.594	15.006
Hour18	6.830	11.253	15.450	22.797	31.985	39.656	43.752	41.675	34.683	26.452	19.870	12.226	0.000	8.312	14.515
Hour19	6.718	11.068	15.196	22.423	31.461	39.005	43.034	40.991	34.114	26.018	19.544	12.026	0.000	8.176	14.277
Hour20	6.696	11.032	15.147	22.350	31.359	38.879	42.895	40.858	34.003	25.934	19.480	11.987	0.000	8.149	14.230
Hour21	6.705	11.046	15.166	22.378	31.398	38.927	42.948	40.909	34.046	25.966	19.505	12.002	0.000	8.159	14.248
Hour22	6.650	10.957	15.043	22.197	31.143	38.612	42.600	40.578	33.770	25.756	19.347	11.904	0.000	8.093	14.132
Hour23	6.634	10.930	15.007	22.143	31.068	38.519	42.497	40.480	33.688	25.694	19.300	11.876	0.000	8.074	14.098
Hour24	6.627	10.919	14.991	22.120	31.036	38.478	42.453	40.437	33.653	25.667	19.280	11.863	0.000	8.065	14.084

Kentucky Power Company
 Industrial Demand Model t-Statistics

Variable	Constant	HDD50	HDD55	HDD65	CDD65	CDD70	CDD65WkEnd	HDD65WkEnd	CDD70WkEnd	WkEnd	MajorHolidays	Monday
Hour1	2.909	-1.242	0.913	-0.374	0.294	-0.327	0.314	0.828	-0.172	-1.016	-0.115	-0.638
Hour2	2.924	-1.203	0.872	-0.350	0.297	-0.331	0.315	0.852	-0.173	-0.972	-0.160	-0.508
Hour3	2.955	-1.205	0.860	-0.315	0.312	-0.353	0.299	0.807	-0.157	-0.898	-0.192	-0.407
Hour4	3.035	-1.246	0.882	-0.305	0.318	-0.362	0.276	0.798	-0.135	-0.895	-0.208	-0.376
Hour5	2.984	-1.254	0.871	-0.274	0.338	-0.379	0.253	0.757	-0.117	-0.949	-0.245	-0.311
Hour6	2.918	-1.327	0.945	-0.340	0.293	-0.344	0.283	0.749	-0.146	-1.084	-0.271	-0.171
Hour7	2.835	-1.349	0.974	-0.394	0.284	-0.313	0.335	0.627	-0.208	-1.134	-0.352	0.008
Hour8	2.736	-1.426	1.036	-0.414	0.331	-0.329	0.321	0.482	-0.200	-1.007	-0.490	0.181
Hour9	2.625	-1.487	1.055	-0.367	0.345	-0.356	0.325	0.495	-0.193	-1.196	-0.502	0.255
Hour10	2.604	-1.465	1.039	-0.371	0.389	-0.395	0.313	0.493	-0.177	-1.212	-0.508	0.265
Hour11	2.583	-1.435	1.024	-0.383	0.404	-0.400	0.283	0.456	-0.151	-1.187	-0.502	0.329
Hour12	2.594	-1.379	0.984	-0.377	0.388	-0.394	0.296	0.505	-0.148	-1.139	-0.476	0.323
Hour13	2.602	-1.342	0.964	-0.390	0.352	-0.356	0.316	0.531	-0.168	-1.213	-0.491	0.381
Hour14	2.538	-1.366	0.974	-0.377	0.376	-0.409	0.295	0.500	-0.135	-1.271	-0.485	0.424
Hour15	2.593	-1.395	0.992	-0.381	0.386	-0.412	0.316	0.555	-0.159	-1.229	-0.504	0.506
Hour16	2.668	-1.356	0.964	-0.372	0.380	-0.391	0.336	0.549	-0.180	-1.011	-0.518	0.526
Hour17	2.744	-1.339	0.944	-0.344	0.441	-0.437	0.310	0.560	-0.173	-0.741	-0.488	0.381
Hour18	2.853	-1.311	0.937	-0.341	0.440	-0.418	0.302	0.587	-0.182	-0.571	-0.451	0.321
Hour19	2.880	-1.334	0.968	-0.359	0.428	-0.401	0.283	0.588	-0.178	-0.458	-0.445	0.305
Hour20	2.915	-1.349	0.977	-0.354	0.358	-0.354	0.312	0.620	-0.189	-0.448	-0.466	0.302
Hour21	2.909	-1.315	0.948	-0.332	0.313	-0.314	0.322	0.625	-0.195	-0.424	-0.483	0.330
Hour22	2.945	-1.330	0.948	-0.329	0.262	-0.287	0.354	0.713	-0.218	-0.789	-0.405	0.264
Hour23	2.969	-1.317	0.920	-0.303	0.295	-0.316	0.321	0.763	-0.192	-1.000	-0.350	0.265
Hour24	2.959	-1.336	0.939	-0.306	0.286	-0.299	0.318	0.756	-0.198	-0.932	-0.360	0.268

Kentucky Power Company
 Industrial Demand Model t-Statistics

Variable	TWT	January	February	March	April	May	June	July	August	September	October	November	December	HLight	DST
Hour1	0.090	7.841	5.926	3.542	0.318	0.228	0.082	0.091	0.056	-0.097	-0.580	-0.341	0.000	0.195	-0.539
Hour2	0.103	7.825	5.916	3.543	0.319	0.221	0.076	0.086	0.049	-0.115	-0.591	-0.371	0.000	0.208	-0.568
Hour3	0.105	7.842	5.909	3.523	0.329	0.229	0.085	0.101	0.053	-0.113	-0.625	-0.384	0.000	0.199	-0.559
Hour4	0.091	7.893	5.956	3.571	0.383	0.298	0.149	0.164	0.125	-0.049	-0.584	-0.387	0.000	0.138	-0.556
Hour5	0.123	7.889	5.947	3.525	0.344	0.265	0.113	0.125	0.091	-0.072	-0.603	-0.391	0.000	0.171	-0.556
Hour6	0.263	7.903	5.928	3.544	0.357	0.265	0.121	0.126	0.096	-0.046	-0.550	-0.361	0.000	0.186	-0.611
Hour7	0.387	7.896	5.900	3.557	0.368	0.262	0.129	0.119	0.121	-0.018	-0.462	-0.291	0.000	0.121	-0.572
Hour8	0.480	7.851	5.838	3.533	0.340	0.239	0.141	0.093	0.102	-0.045	-0.409	-0.306	0.000	0.067	-0.466
Hour9	0.514	7.823	5.770	3.502	0.334	0.233	0.139	0.085	0.104	-0.028	-0.399	-0.285	0.000	0.120	-0.439
Hour10	0.541	7.840	5.749	3.522	0.342	0.235	0.137	0.088	0.107	-0.015	-0.390	-0.267	0.000	0.132	-0.482
Hour11	0.522	7.799	5.736	3.502	0.332	0.221	0.118	0.073	0.087	-0.035	-0.403	-0.279	0.000	0.144	-0.478
Hour12	0.465	7.787	5.725	3.503	0.333	0.224	0.134	0.093	0.109	-0.030	-0.439	-0.284	0.000	0.121	-0.426
Hour13	0.462	7.778	5.735	3.499	0.332	0.225	0.130	0.097	0.113	-0.028	-0.431	-0.267	0.000	0.126	-0.415
Hour14	0.512	7.775	5.674	3.486	0.312	0.200	0.102	0.068	0.110	-0.032	-0.413	-0.299	0.000	0.184	-0.469
Hour15	0.543	7.757	5.667	3.514	0.328	0.218	0.122	0.087	0.125	-0.029	-0.414	-0.309	0.000	0.164	-0.452
Hour16	0.575	7.767	5.715	3.527	0.325	0.222	0.133	0.080	0.091	-0.077	-0.472	-0.287	0.000	0.117	-0.358
Hour17	0.429	7.778	5.789	3.585	0.354	0.251	0.158	0.113	0.105	-0.062	-0.492	-0.332	0.000	0.073	-0.361
Hour18	0.338	7.779	5.839	3.559	0.353	0.261	0.170	0.122	0.109	-0.087	-0.560	-0.336	0.000	0.047	-0.379
Hour19	0.314	7.889	5.940	3.584	0.374	0.271	0.180	0.141	0.126	-0.067	-0.536	-0.310	0.000	0.056	-0.449
Hour20	0.339	7.894	5.982	3.660	0.429	0.325	0.242	0.208	0.191	0.003	-0.422	-0.253	0.000	0.024	-0.484
Hour21	0.389	7.904	5.953	3.699	0.445	0.333	0.224	0.213	0.207	0.020	-0.430	-0.242	0.000	0.020	-0.435
Hour22	0.378	7.913	5.981	3.643	0.419	0.322	0.211	0.227	0.194	0.004	-0.486	-0.267	0.000	0.065	-0.463
Hour23	0.477	7.929	6.024	3.590	0.397	0.308	0.183	0.203	0.161	-0.023	-0.535	-0.279	0.000	0.083	-0.443
Hour24	0.484	7.942	6.009	3.566	0.375	0.305	0.168	0.180	0.137	-0.045	-0.568	-0.283	0.000	0.090	-0.404

Kentucky Power Company
 Industrial Demand Model Statistics

Hour	Obs	DF	AdjRSq	DW	StdErr	MAD	MAPE	FObs	FMAD	FMAPE	FAvgErr
Hour1	1551	1524	0.159	0.026	85.137	44.546	13.83%	0	0.000	0.00%	0.000
Hour2	1551	1524	0.159	0.025	84.197	44.073	13.72%	0	0.000	0.00%	0.000
Hour3	1551	1524	0.159	0.025	83.232	43.636	13.64%	0	0.000	0.00%	0.000
Hour4	1551	1524	0.160	0.025	82.678	43.349	13.56%	0	0.000	0.00%	0.000
Hour5	1551	1524	0.160	0.024	83.377	43.734	13.62%	0	0.000	0.00%	0.000
Hour6	1551	1524	0.160	0.025	85.278	44.653	13.80%	0	0.000	0.00%	0.000
Hour7	1551	1524	0.156	0.028	89.991	46.796	14.33%	0	0.000	0.00%	0.000
Hour8	1551	1524	0.153	0.031	94.281	48.549	14.80%	0	0.000	0.00%	0.000
Hour9	1551	1524	0.151	0.033	96.153	49.680	15.10%	0	0.000	0.00%	0.000
Hour10	1551	1524	0.150	0.033	96.399	49.801	15.14%	0	0.000	0.00%	0.000
Hour11	1551	1524	0.148	0.033	96.862	50.007	15.20%	0	0.000	0.00%	0.000
Hour12	1551	1524	0.147	0.033	96.806	49.967	15.25%	0	0.000	0.00%	0.000
Hour13	1551	1524	0.146	0.033	96.632	49.869	15.21%	0	0.000	0.00%	0.000
Hour14	1551	1524	0.146	0.033	96.914	50.014	15.22%	0	0.000	0.00%	0.000
Hour15	1551	1524	0.145	0.032	95.153	49.185	15.06%	0	0.000	0.00%	0.000
Hour16	1551	1524	0.146	0.031	93.197	48.229	14.91%	0	0.000	0.00%	0.000
Hour17	1551	1524	0.148	0.029	91.006	47.146	14.73%	0	0.000	0.00%	0.000
Hour18	1551	1524	0.152	0.027	88.025	45.642	14.37%	0	0.000	0.00%	0.000
Hour19	1551	1524	0.156	0.026	86.581	44.949	14.19%	0	0.000	0.00%	0.000
Hour20	1551	1524	0.157	0.026	86.300	44.868	14.17%	0	0.000	0.00%	0.000
Hour21	1551	1524	0.157	0.026	86.408	44.994	14.20%	0	0.000	0.00%	0.000
Hour22	1551	1524	0.158	0.026	85.707	44.765	13.99%	0	0.000	0.00%	0.000
Hour23	1551	1524	0.159	0.025	85.500	44.654	13.84%	0	0.000	0.00%	0.000
Hour24	1551	1524	0.159	0.025	85.411	44.650	13.84%	0	0.000	0.00%	0.000

Kentucky Power Company
 Other Retail Demand Model Coefficients

Variable	Constant	HDD50	HDD55	HDD65	CDD65	CDD70	CDD65WkEnd	HDD65WkEnd	HDD65WkEnd	CDD70WkEnd	WkEnd	MajorHolidays	Monday
Hour1	35.924	-0.137	0.647	-0.226	0.370	-0.026	0.241	0.100	-0.166	-2.635	0.719	-1.092	
Hour2	35.579	-0.128	0.645	-0.209	0.346	-0.012	0.264	0.098	-0.194	-2.561	0.725	-1.085	
Hour3	34.645	-0.155	0.683	-0.204	0.340	-0.006	0.267	0.102	-0.181	-2.898	0.961	-1.164	
Hour4	35.656	-0.203	0.720	-0.193	0.340	-0.014	0.257	0.102	-0.134	-2.959	1.066	-0.832	
Hour5	35.732	-0.306	0.814	-0.176	0.329	0.045	0.275	0.073	-0.169	-2.798	1.151	-0.003	
Hour6	41.343	-0.374	0.867	-0.182	0.379	-0.011	0.345	0.055	-0.227	-4.613	1.561	-0.206	
Hour7	50.497	-0.571	1.035	-0.205	0.330	0.101	0.652	0.039	-0.591	-9.130	2.421	-0.610	
Hour8	63.875	-0.886	1.326	-0.274	0.355	0.066	0.892	0.036	-0.732	-14.354	2.305	-0.117	
Hour9	72.666	-1.074	1.523	-0.380	0.408	-0.044	1.195	0.083	-0.932	-21.256	1.853	0.072	
Hour10	72.411	-1.048	1.579	-0.480	0.435	-0.043	1.126	0.100	-0.855	-22.590	1.420	0.364	
Hour11	67.214	-1.009	1.603	-0.553	0.512	-0.095	1.013	0.106	-0.705	-22.296	1.244	0.611	
Hour12	70.004	-0.903	1.569	-0.630	0.630	-0.199	0.956	0.117	-0.617	-22.586	1.390	0.814	
Hour13	67.569	-0.885	1.589	-0.680	0.756	-0.355	0.856	0.124	-0.466	-21.938	1.419	0.551	
Hour14	63.052	-0.770	1.494	-0.706	0.840	-0.409	0.736	0.136	-0.384	-20.270	0.601	0.962	
Hour15	59.356	-0.648	1.368	-0.697	0.882	-0.429	0.743	0.143	-0.447	-18.508	0.120	1.381	
Hour16	53.202	-0.578	1.321	-0.681	0.894	-0.475	0.555	0.132	-0.266	-14.436	0.184	1.562	
Hour17	47.802	-0.498	1.255	-0.649	0.862	-0.433	0.533	0.134	-0.332	-10.070	-0.342	1.921	
Hour18	41.079	-0.294	1.005	-0.548	0.870	-0.498	0.446	0.140	-0.222	-7.239	-1.055	2.091	
Hour19	41.254	-0.279	0.999	-0.543	0.764	-0.387	0.419	0.137	-0.180	-5.828	-1.346	2.194	
Hour20	44.706	-0.307	1.043	-0.533	0.734	-0.358	0.371	0.140	-0.142	-5.387	-1.195	2.034	
Hour21	43.180	-0.326	1.060	-0.503	0.671	-0.293	0.278	0.131	-0.080	-4.640	-0.822	1.640	
Hour22	41.350	-0.284	0.985	-0.433	0.635	-0.243	0.210	0.106	-0.052	-3.467	-0.647	1.461	
Hour23	38.690	-0.240	0.887	-0.362	0.669	-0.306	0.117	0.083	0.022	-1.893	-1.265	1.367	
Hour24	36.158	-0.212	0.844	-0.330	0.615	-0.264	0.113	0.083	0.007	-1.484	-1.353	1.340	

Kentucky Power Company
 Other Retail Demand Model Coefficients

Variable	TWT	January	February	March	April	May	June	July	August	September	October	November	December	HLight	DST
Hour1	0.259	25.861	24.629	22.127	0.835	2.114	2.523	4.860	6.299	4.797	0.975	-0.883	0.000	-0.437	-2.829
Hour2	0.345	25.976	24.686	22.333	1.313	2.554	2.782	5.176	6.342	4.844	0.998	-0.746	0.000	-0.471	-2.949
Hour3	0.204	25.768	24.480	22.173	1.113	2.250	2.344	4.579	5.737	4.306	0.688	-0.789	0.000	-0.402	-3.061
Hour4	0.409	25.726	24.863	22.189	1.281	2.595	2.847	4.995	6.039	4.011	0.632	-0.777	0.000	-0.555	-2.831
Hour5	0.612	26.438	25.792	22.916	1.354	2.572	2.493	4.811	6.190	3.996	0.830	-0.660	0.000	-0.585	-2.969
Hour6	0.362	27.464	26.907	24.625	1.126	2.295	1.699	3.781	5.419	3.748	1.170	-0.060	0.000	-0.795	-3.236
Hour7	0.400	30.295	30.028	27.580	2.195	3.260	0.926	3.324	6.407	4.525	2.175	0.339	0.000	-1.220	-3.270
Hour8	0.839	32.517	32.136	29.893	2.742	4.442	0.747	2.610	6.761	4.712	1.543	0.826	0.000	-2.034	-1.171
Hour9	1.280	32.903	33.346	31.561	3.776	6.185	0.333	1.754	8.333	6.233	2.641	1.398	0.000	-2.247	-1.252
Hour10	1.407	32.750	33.196	31.541	3.908	6.461	0.178	1.215	8.874	7.313	3.546	1.292	0.000	-2.039	-1.527
Hour11	1.471	32.436	33.033	30.249	2.358	4.706	-1.568	-0.505	7.636	6.500	3.241	0.937	0.000	-1.498	-1.506
Hour12	1.567	31.781	32.698	30.640	3.276	5.891	-0.073	0.713	9.061	8.216	4.083	0.970	0.000	-1.716	-1.550
Hour13	1.496	31.113	31.965	30.033	2.670	5.398	-1.127	0.116	8.809	8.796	4.267	0.574	0.000	-1.478	-1.501
Hour14	1.929	30.420	30.991	29.128	2.037	4.267	-1.706	-0.245	8.434	8.733	4.704	0.476	0.000	-1.107	-2.073
Hour15	2.187	29.452	29.667	27.925	1.298	3.315	-2.224	-0.715	7.838	8.180	4.218	0.172	0.000	-0.898	-1.916
Hour16	2.197	27.597	27.706	25.612	-0.194	1.760	-2.345	-0.174	6.745	6.773	3.556	-0.497	0.000	-0.611	-1.874
Hour17	2.243	25.972	25.901	23.447	-0.651	0.876	-1.232	0.935	5.972	5.649	2.849	-1.071	0.000	-0.497	-2.067
Hour18	2.460	25.016	24.118	21.101	-1.852	-0.236	-1.792	0.625	4.917	4.697	1.685	-1.994	0.000	-0.095	-3.143
Hour19	2.662	26.829	26.061	22.585	-0.080	1.705	0.343	2.858	6.739	6.195	2.930	-1.668	0.000	-0.251	-4.783
Hour20	2.251	26.900	26.759	24.931	1.873	3.521	2.282	5.046	8.539	8.196	4.181	-1.456	0.000	-0.720	-4.425
Hour21	1.879	26.711	26.367	24.583	1.697	3.034	1.660	4.582	8.093	7.063	2.420	-1.309	0.000	-0.718	-2.855
Hour22	1.656	25.943	25.498	23.558	1.376	3.006	2.545	5.206	7.502	5.879	1.678	-1.365	0.000	-0.684	-2.852
Hour23	1.586	25.362	24.714	22.616	0.995	2.358	2.027	4.373	6.008	4.476	1.071	-1.424	0.000	-0.618	-2.612
Hour24	1.480	25.003	24.045	21.688	0.535	1.682	1.431	3.795	5.329	3.959	0.855	-1.306	0.000	-0.459	-2.754

Kentucky Power Company
 Other Retail Demand Model Standard Errors

Variable	Constant	HDD50	HDD55	HDD65	CDD65	CDD70	CDD65WkEnd	HDD65WkEnd	HDD65WkEnd	CDD70WkEnd	WkEnd	MajorHolidays	Monday
Hour1	19.852	0.579	0.785	0.335	0.646	0.894	0.924	0.924	0.113	1.402	2.928	4.704	2.061
Hour2	19.831	0.578	0.784	0.334	0.645	0.893	0.923	0.923	0.113	1.401	2.925	4.699	2.059
Hour3	19.844	0.579	0.785	0.334	0.646	0.893	0.923	0.923	0.113	1.402	2.927	4.702	2.061
Hour4	19.982	0.583	0.790	0.337	0.650	0.900	0.930	0.930	0.114	1.412	2.948	4.735	2.075
Hour5	20.327	0.593	0.804	0.343	0.662	0.915	0.946	0.946	0.116	1.436	2.999	4.816	2.111
Hour6	20.974	0.612	0.829	0.353	0.683	0.944	0.976	0.976	0.119	1.482	3.094	4.970	2.178
Hour7	22.926	0.669	0.906	0.386	0.746	1.032	1.067	1.067	0.131	1.619	3.382	5.432	2.381
Hour8	24.786	0.723	0.980	0.418	0.807	1.116	1.153	1.153	0.141	1.751	3.656	5.873	2.574
Hour9	25.455	0.742	1.006	0.429	0.829	1.146	1.184	1.184	0.145	1.798	3.755	6.031	2.643
Hour10	25.454	0.742	1.006	0.429	0.829	1.146	1.184	1.184	0.145	1.798	3.755	6.031	2.643
Hour11	25.387	0.740	1.004	0.428	0.826	1.143	1.181	1.181	0.145	1.793	3.745	6.015	2.636
Hour12	25.206	0.735	0.997	0.425	0.820	1.135	1.173	1.173	0.144	1.781	3.718	5.972	2.617
Hour13	25.021	0.730	0.989	0.422	0.814	1.126	1.164	1.164	0.143	1.767	3.691	5.928	2.598
Hour14	24.720	0.721	0.977	0.417	0.805	1.113	1.150	1.150	0.141	1.746	3.647	5.857	2.567
Hour15	24.404	0.712	0.965	0.411	0.794	1.099	1.135	1.135	0.139	1.724	3.600	5.782	2.534
Hour16	23.482	0.685	0.928	0.396	0.764	1.057	1.093	1.093	0.134	1.659	3.464	5.564	2.438
Hour17	22.233	0.648	0.879	0.375	0.724	1.001	1.034	1.034	0.127	1.571	3.280	5.268	2.309
Hour18	21.843	0.637	0.864	0.368	0.711	0.983	1.016	1.016	0.124	1.543	3.222	5.175	2.268
Hour19	22.305	0.651	0.882	0.376	0.726	1.004	1.038	1.038	0.127	1.576	3.290	5.285	2.316
Hour20	22.088	0.644	0.873	0.372	0.719	0.994	1.028	1.028	0.126	1.560	3.258	5.234	2.294
Hour21	21.748	0.634	0.860	0.366	0.708	0.979	1.012	1.012	0.124	1.536	3.208	5.153	2.258
Hour22	21.106	0.616	0.834	0.356	0.687	0.950	0.982	0.982	0.120	1.491	3.113	5.001	2.192
Hour23	20.536	0.599	0.812	0.346	0.668	0.924	0.955	0.955	0.117	1.451	3.029	4.866	2.132
Hour24	20.042	0.585	0.792	0.338	0.652	0.902	0.933	0.933	0.114	1.416	2.957	4.749	2.081

Kentucky Power Company
 Other Retail Demand Model Standard Errors

Variable	TWT	January	February	March	April	May	June	July	August	September	October	November	December	HLight	DST
Hour1	1.679	2.766	3.797	5.603	7.862	9.747	10.754	10.243	8.525	6.502	4.884	3.005	0.000	2.043	3.568
Hour2	1.677	2.763	3.793	5.597	7.853	9.737	10.742	10.232	8.516	6.495	4.879	3.002	0.000	2.041	3.564
Hour3	1.678	2.765	3.796	5.601	7.859	9.743	10.750	10.239	8.522	6.499	4.882	3.004	0.000	2.042	3.566
Hour4	1.690	2.784	3.822	5.640	7.913	9.811	10.824	10.311	8.581	6.544	4.916	3.025	0.000	2.056	3.591
Hour5	1.719	2.832	3.888	5.737	8.050	9.980	11.011	10.489	8.729	6.657	5.001	3.077	0.000	2.092	3.653
Hour6	1.774	2.922	4.012	5.920	8.306	10.298	11.362	10.823	9.007	6.869	5.160	3.175	0.000	2.159	3.769
Hour7	1.939	3.194	4.385	6.471	9.079	11.256	12.419	11.829	9.845	7.509	5.640	3.470	0.000	2.359	4.120
Hour8	2.096	3.453	4.741	6.996	9.816	12.170	13.427	12.789	10.644	8.118	6.098	3.752	0.000	2.551	4.454
Hour9	2.153	3.547	4.869	7.185	10.081	12.498	13.789	13.135	10.931	8.337	6.262	3.853	0.000	2.620	4.575
Hour10	2.153	3.546	4.869	7.185	10.080	12.498	13.789	13.134	10.931	8.337	6.262	3.853	0.000	2.620	4.574
Hour11	2.147	3.537	4.856	7.166	10.054	12.465	13.752	13.100	10.902	8.315	6.246	3.843	0.000	2.613	4.562
Hour12	2.132	3.512	4.822	7.114	9.982	12.376	13.654	13.006	10.824	8.255	6.201	3.816	0.000	2.594	4.530
Hour13	2.116	3.486	4.786	7.062	9.909	12.285	13.554	12.911	10.745	8.195	6.155	3.788	0.000	2.575	4.497
Hour14	2.090	3.444	4.729	6.977	9.789	12.137	13.391	12.755	10.615	8.096	6.081	3.742	0.000	2.544	4.442
Hour15	2.064	3.400	4.668	6.888	9.664	11.982	13.220	12.592	10.480	7.993	6.004	3.694	0.000	2.512	4.386
Hour16	1.986	3.272	4.492	6.628	9.299	11.529	12.720	12.116	10.084	7.691	5.777	3.555	0.000	2.417	4.220
Hour17	1.880	3.098	4.253	6.275	8.805	10.916	12.044	11.472	9.547	7.281	5.470	3.365	0.000	2.288	3.995
Hour18	1.847	3.043	4.178	6.165	8.650	10.725	11.832	11.271	9.380	7.154	5.374	3.306	0.000	2.248	3.925
Hour19	1.886	3.108	4.267	6.296	8.833	10.951	12.082	11.509	9.578	7.305	5.487	3.376	0.000	2.295	4.008
Hour20	1.868	3.077	4.225	6.234	8.747	10.845	11.965	11.397	9.485	7.234	5.434	3.344	0.000	2.273	3.969
Hour21	1.839	3.030	4.160	6.138	8.612	10.678	11.781	11.222	9.339	7.123	5.350	3.292	0.000	2.238	3.908
Hour22	1.785	2.941	4.037	5.957	8.358	10.363	11.433	10.890	9.063	6.912	5.192	3.195	0.000	2.172	3.793
Hour23	1.737	2.861	3.928	5.796	8.133	10.083	11.124	10.596	8.819	6.726	5.052	3.109	0.000	2.113	3.690
Hour24	1.695	2.792	3.834	5.657	7.937	9.841	10.857	10.342	8.607	6.564	4.931	3.034	0.000	2.063	3.602

Kentucky Power Company
 Other Retail Demand Model t-Statistics

Variable	Constant	HDD50	HDD55	HDD65	CDD65	CDD70	CDD65WkEnd	HDD65WkEnd	CDD70WkEnd	WkEnd	MajorHolidays	Monday
Hour1	1.810	-0.236	0.825	-0.676	0.573	-0.029	0.261	0.887	-0.118	-0.900	0.153	-0.530
Hour2	1.794	-0.222	0.823	-0.626	0.536	-0.013	0.286	0.867	-0.138	-0.876	0.154	-0.527
Hour3	1.746	-0.267	0.870	-0.611	0.527	-0.007	0.290	0.905	-0.129	-0.990	0.204	-0.565
Hour4	1.784	-0.348	0.911	-0.574	0.523	-0.016	0.276	0.893	-0.095	-1.004	0.225	-0.401
Hour5	1.758	-0.515	1.012	-0.514	0.497	0.049	0.291	0.631	-0.118	-0.933	0.239	-0.001
Hour6	1.971	-0.612	1.045	-0.514	0.556	-0.012	0.353	0.461	-0.153	-1.491	0.314	-0.095
Hour7	2.203	-0.853	1.142	-0.530	0.442	0.098	0.611	0.297	-0.365	-2.700	0.446	-0.256
Hour8	2.577	-1.226	1.353	-0.655	0.439	0.059	0.773	0.254	-0.418	-3.926	0.392	-0.045
Hour9	2.855	-1.446	1.513	-0.887	0.493	-0.038	1.009	0.574	-0.519	-5.661	0.307	0.027
Hour10	2.845	-1.411	1.569	-1.118	0.525	-0.037	0.951	0.687	-0.475	-6.016	0.235	0.138
Hour11	2.648	-1.362	1.597	-1.292	0.620	-0.083	0.857	0.732	-0.393	-5.954	0.207	0.232
Hour12	2.777	-1.228	1.574	-1.484	0.767	-0.175	0.815	0.816	-0.347	-6.074	0.233	0.311
Hour13	2.700	-1.213	1.606	-1.614	0.928	-0.315	0.735	0.870	-0.264	-5.944	0.239	0.212
Hour14	2.551	-1.067	1.529	-1.694	1.044	-0.368	0.640	0.967	-0.220	-5.559	0.103	0.375
Hour15	2.432	-0.910	1.417	-1.694	1.111	-0.391	0.654	1.031	-0.260	-5.141	0.021	0.545
Hour16	2.266	-0.844	1.423	-1.722	1.169	-0.449	0.508	0.989	-0.160	-4.167	0.033	0.641
Hour17	2.150	-0.767	1.428	-1.733	1.191	-0.433	0.515	1.062	-0.212	-3.071	-0.065	0.832
Hour18	1.881	-0.461	1.164	-1.489	1.223	-0.506	0.439	1.128	-0.144	-2.247	-0.204	0.922
Hour19	1.850	-0.429	1.132	-1.446	1.052	-0.386	0.404	1.082	-0.114	-1.771	-0.255	0.947
Hour20	2.024	-0.477	1.194	-1.433	1.022	-0.360	0.361	1.115	-0.091	-1.653	-0.228	0.887
Hour21	1.986	-0.514	1.233	-1.371	0.948	-0.300	0.275	1.059	-0.052	-1.446	-0.160	0.726
Hour22	1.959	-0.461	1.180	-1.217	0.924	-0.256	0.214	0.884	-0.035	-1.114	-0.129	0.667
Hour23	1.884	-0.401	1.092	-1.046	1.000	-0.331	0.122	0.711	0.015	-0.625	-0.260	0.641
Hour24	1.804	-0.362	1.065	-0.977	0.942	-0.292	0.121	0.725	0.005	-0.502	-0.285	0.644

Kentucky Power Company
 Other Retail Demand Model t-Statistics

Variable	TWT	January	February	March	April	May	June	July	August	September	October	November	December	HLight	DST
Hour1	0.154	9.350	6.486	3.949	0.106	0.217	0.235	0.475	0.739	0.738	0.200	-0.294	0.000	-0.214	-0.793
Hour2	0.206	9.401	6.508	3.990	0.167	0.262	0.259	0.506	0.745	0.746	0.204	-0.248	0.000	-0.231	-0.827
Hour3	0.122	9.320	6.449	3.959	0.142	0.231	0.218	0.447	0.673	0.663	0.141	-0.263	0.000	-0.197	-0.858
Hour4	0.242	9.240	6.505	3.934	0.162	0.265	0.263	0.484	0.704	0.613	0.129	-0.257	0.000	-0.270	-0.788
Hour5	0.356	9.335	6.633	3.994	0.168	0.258	0.226	0.459	0.709	0.600	0.166	-0.214	0.000	-0.280	-0.813
Hour6	0.204	9.398	6.707	4.160	0.136	0.223	0.150	0.349	0.602	0.546	0.227	-0.019	0.000	-0.368	-0.859
Hour7	0.206	9.484	6.847	4.262	0.242	0.290	0.075	0.281	0.651	0.603	0.386	0.098	0.000	-0.517	-0.794
Hour8	0.400	9.416	6.778	4.273	0.279	0.365	0.056	0.204	0.635	0.580	0.253	0.220	0.000	-0.797	-0.263
Hour9	0.595	9.277	6.848	4.393	0.375	0.495	0.024	0.134	0.762	0.748	0.422	0.363	0.000	-0.858	-0.274
Hour10	0.654	9.235	6.818	4.390	0.388	0.517	0.013	0.093	0.812	0.877	0.566	0.335	0.000	-0.778	-0.334
Hour11	0.685	9.170	6.802	4.221	0.235	0.378	-0.114	-0.039	0.700	0.782	0.519	0.244	0.000	-0.573	-0.330
Hour12	0.735	9.050	6.782	4.307	0.328	0.476	-0.005	0.055	0.837	0.995	0.659	0.254	0.000	-0.662	-0.342
Hour13	0.707	8.925	6.679	4.253	0.269	0.439	-0.083	0.009	0.820	1.073	0.693	0.151	0.000	-0.574	-0.334
Hour14	0.923	8.833	6.554	4.175	0.208	0.352	-0.127	-0.019	0.795	1.079	0.773	0.127	0.000	-0.435	-0.467
Hour15	1.060	8.662	6.355	4.054	0.134	0.277	-0.168	-0.057	0.748	1.023	0.703	0.047	0.000	-0.357	-0.437
Hour16	1.106	8.435	6.168	3.864	-0.021	0.153	-0.184	-0.014	0.669	0.881	0.616	-0.140	0.000	-0.253	-0.444
Hour17	1.193	8.385	6.090	3.736	-0.074	0.080	-0.102	0.081	0.626	0.776	0.521	-0.318	0.000	-0.217	-0.517
Hour18	1.332	8.220	5.772	3.423	-0.214	-0.022	-0.151	0.055	0.524	0.657	0.314	-0.603	0.000	-0.042	-0.801
Hour19	1.411	8.633	6.108	3.587	-0.009	0.156	0.028	0.248	0.704	0.848	0.534	-0.494	0.000	-0.109	-1.193
Hour20	1.205	8.741	6.333	3.999	0.214	0.325	0.191	0.443	0.900	1.133	0.769	-0.435	0.000	-0.317	-1.115
Hour21	1.022	8.816	6.338	4.005	0.197	0.284	0.141	0.408	0.867	0.992	0.452	-0.398	0.000	-0.321	-0.730
Hour22	0.928	8.823	6.316	3.955	0.165	0.290	0.223	0.478	0.828	0.850	0.323	-0.427	0.000	-0.315	-0.752
Hour23	0.913	8.864	6.291	3.902	0.122	0.234	0.182	0.413	0.681	0.665	0.212	-0.458	0.000	-0.292	-0.708
Hour24	0.873	8.954	6.272	3.834	0.067	0.171	0.132	0.367	0.619	0.603	0.173	-0.430	0.000	-0.223	-0.765

Kentucky Power Company
 Other Retail Demand Model Statistics

Hour	Obs	DF	AdjRSq	DW	StdErr	MAD	MAPE	FObs	FMAD	FMAPE	FAvgErr
Hour1	1551	1524	0.244	0.051	21.635	10.784	21.72%	0	0.000	0.00%	0.000
Hour2	1551	1524	0.252	0.052	21.613	10.793	21.98%	0	0.000	0.00%	0.000
Hour3	1551	1524	0.258	0.054	21.627	10.844	22.38%	0	0.000	0.00%	0.000
Hour4	1551	1524	0.260	0.054	21.778	10.998	23.03%	0	0.000	0.00%	0.000
Hour5	1551	1524	0.271	0.054	22.154	11.256	23.32%	0	0.000	0.00%	0.000
Hour6	1551	1524	0.281	0.051	22.859	11.402	21.59%	0	0.000	0.00%	0.000
Hour7	1551	1524	0.287	0.055	24.986	12.476	21.50%	0	0.000	0.00%	0.000
Hour8	1551	1524	0.285	0.074	27.014	13.654	21.95%	0	0.000	0.00%	0.000
Hour9	1551	1524	0.294	0.096	27.743	14.269	21.65%	0	0.000	0.00%	0.000
Hour10	1551	1524	0.288	0.098	27.742	14.361	21.50%	0	0.000	0.00%	0.000
Hour11	1551	1524	0.276	0.093	27.669	14.300	21.42%	0	0.000	0.00%	0.000
Hour12	1551	1524	0.267	0.091	27.471	14.333	21.73%	0	0.000	0.00%	0.000
Hour13	1551	1524	0.254	0.086	27.269	14.241	21.69%	0	0.000	0.00%	0.000
Hour14	1551	1524	0.239	0.080	26.941	13.995	21.43%	0	0.000	0.00%	0.000
Hour15	1551	1524	0.223	0.074	26.597	13.763	21.59%	0	0.000	0.00%	0.000
Hour16	1551	1524	0.203	0.064	25.592	13.063	21.28%	0	0.000	0.00%	0.000
Hour17	1551	1524	0.190	0.055	24.230	12.364	21.41%	0	0.000	0.00%	0.000
Hour18	1551	1524	0.185	0.052	23.806	12.173	22.12%	0	0.000	0.00%	0.000
Hour19	1551	1524	0.196	0.047	24.309	12.332	22.50%	0	0.000	0.00%	0.000
Hour20	1551	1524	0.206	0.047	24.073	12.072	21.91%	0	0.000	0.00%	0.000
Hour21	1551	1524	0.209	0.044	23.702	11.878	21.85%	0	0.000	0.00%	0.000
Hour22	1551	1524	0.217	0.044	23.002	11.473	21.52%	0	0.000	0.00%	0.000
Hour23	1551	1524	0.224	0.043	22.381	11.126	21.62%	0	0.000	0.00%	0.000
Hour24	1551	1524	0.233	0.044	21.843	10.797	21.33%	0	0.000	0.00%	0.000



Exhibit I – CONFIDENTIAL Load Forecast Model Details and Input Data

EXHIBIT I

**CONFIDENTIAL
REDACTED**

CONFIDENTIAL
SHORT-TERM LARGE INDUSTRIAL

Kentucky Power Company
Large Industrial Models

ACCTNO-account number

kwh-kwh

ak1, ak2, ak2, ak3, ak4, ak5, ak6, cat1, cat2, cat3, cat4, cat5, air1, sid1, sid2, kes1, wey1, hunt1, hunt2
(Binary Variables)

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2008	7	7/1/2008			0	0	0
		2008	8	8/1/2008			0	0	0
		2008	9	9/1/2008			0	0	0
		2008	10	10/1/2008			0	0	0
		2008	11	11/1/2008			0	0	0
		2008	12	12/1/2008			0	0	0
		2009	1	1/1/2009			0	0	0
		2009	2	2/1/2009			0	0	0
		2009	3	3/1/2009			0	0	0
		2009	4	4/1/2009			0	0	0
		2009	5	5/1/2009			0	0	0
		2009	6	6/1/2009			0	0	0
		2009	7	7/1/2009			0	0	0
		2009	8	8/1/2009			0	0	0
		2009	9	9/1/2009			0	0	0
		2009	10	10/1/2009			0	0	0
		2009	11	11/1/2009			0	0	0
		2009	12	12/1/2009			0	0	0
		2010	1	1/1/2010			0	0	0
		2010	2	2/1/2010			0	0	0
		2010	3	3/1/2010			0	0	0
		2010	4	4/1/2010			0	0	0
		2010	5	5/1/2010			0	0	0
		2010	6	6/1/2010			0	0	0
		2010	7	7/1/2010			0	0	0
		2010	8	8/1/2010			0	0	0
		2010	9	9/1/2010			0	0	0
		2010	10	10/1/2010			0	0	0
		2010	11	11/1/2010			0	0	0
		2010	12	12/1/2010			0	0	0
		2011	1	1/1/2011			0	0	0
		2011	2	2/1/2011			0	0	0
		2011	3	3/1/2011			0	0	0
		2011	4	4/1/2011			0	0	0
		2011	5	5/1/2011			0	0	0
		2011	6	6/1/2011			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2011	7	7/1/2011			0	0	0
		2011	8	8/1/2011			0	0	0
		2011	9	9/1/2011			0	0	0
		2011	10	10/1/2011			0	0	0
		2011	11	11/1/2011			0	0	0
		2011	12	12/1/2011			0	0	0
		2012	1	1/1/2012			0	0	0
		2012	2	2/1/2012			0	0	0
		2012	3	3/1/2012			0	0	0
		2012	4	4/1/2012			0	0	0
		2012	5	5/1/2012			0	0	0
		2012	6	6/1/2012			0	0	0
		2012	7	7/1/2012			0	0	0
		2012	8	8/1/2012			0	0	0
		2012	9	9/1/2012			0	0	0
		2012	10	10/1/2012			0	0	0
		2012	11	11/1/2012			0	0	0
		2012	12	12/1/2012			0	0	0
		2013	1	1/1/2013			0	0	0
		2013	2	2/1/2013			0	0	0
		2013	3	3/1/2013			0	0	0
		2013	4	4/1/2013			0	0	0
		2013	5	5/1/2013			0	0	0
		2013	6	6/1/2013			0	0	0
		2013	7	7/1/2013			0	0	0
		2013	8	8/1/2013			0	0	0
		2013	9	9/1/2013			0	0	0
		2013	10	10/1/2013			0	0	0
		2013	11	11/1/2013			0	0	0
		2013	12	12/1/2013			0	0	0
		2014	1	1/1/2014			0	0	0
		2014	2	2/1/2014			0	0	0
		2014	3	3/1/2014			0	0	0
		2014	4	4/1/2014			0	0	0
		2014	5	5/1/2014			0	0	0
		2014	6	6/1/2014			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2014	7	7/1/2014			0	0	0
		2014	8	8/1/2014			0	0	0
		2014	9	9/1/2014			0	0	0
		2014	10	10/1/2014			0	0	0
		2014	11	11/1/2014			0	0	0
		2014	12	12/1/2014			0	0	0
		2015	1	1/1/2015			0	0	0
		2015	2	2/1/2015			0	0	0
		2015	3	3/1/2015			0	0	0
		2015	4	4/1/2015			0	0	0
		2015	5	5/1/2015			0	0	0
		2015	6	6/1/2015			0	0	0
		2015	7	7/1/2015			0	0	0
		2015	8	8/1/2015			0	0	0
		2015	9	9/1/2015			0	0	0
		2015	10	10/1/2015			0	0	0
		2015	11	11/1/2015			0	0	0
		2015	12	12/1/2015			0	0	0
		2016	1	1/1/2016			0	0	0
		2016	2	2/1/2016			0	0	0
		2016	3	3/1/2016			0	0	0
		2016	4	4/1/2016			0	0	0
		2016	5	5/1/2016			0	0	0
		2016	6	6/1/2016			0	0	0
		2016	7	7/1/2016			0	0	0
		2016	8	8/1/2016			0	0	0
		2016	9	9/1/2016			0	0	0
		2016	10	10/1/2016			0	0	0
		2016	11	11/1/2016			0	0	0
		2016	12	12/1/2016			0	0	0
		2017	1	1/1/2017			0	0	0
		2017	2	2/1/2017			0	0	0
		2017	3	3/1/2017			0	0	0
		2017	4	4/1/2017			0	0	0
		2017	5	5/1/2017			0	0	0
		2017	6	6/1/2017			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2017	7	7/1/2017			0	0	0
		2017	8	8/1/2017			0	0	0
		2017	9	9/1/2017			0	0	0
		2017	10	10/1/2017			0	0	0
		2017	11	11/1/2017			0	0	0
		2017	12	12/1/2017			0	0	0
		2018	1	1/1/2018			0	0	0
		2018	2	2/1/2018			0	0	0
		2018	3	3/1/2018			0	0	0
		2018	4	4/1/2018			0	0	0
		2018	5	5/1/2018			0	0	0
		2018	6	6/1/2018			0	0	0
		2018	7	7/1/2018			0	0	0
		2018	8	8/1/2018			0	0	0
		2018	9	9/1/2018			0	0	0
		2018	10	10/1/2018			0	0	0
		2018	11	11/1/2018			0	0	0
		2018	12	12/1/2018			0	0	0
		2019	1	1/1/2019			0	0	0
		2019	2	2/1/2019			0	0	0
		2019	3	3/1/2019			0	0	0
		2019	4	4/1/2019			0	0	0
		2019	5	5/1/2019			0	0	0
		2019	6	6/1/2019			0	0	0
		2019	7	7/1/2019			0	0	0
		2019	8	8/1/2019			0	0	0
		2019	9	9/1/2019			0	0	0
		2019	10	10/1/2019			0	0	0
		2019	11	11/1/2019			0	0	0
		2019	12	12/1/2019			0	0	0
		2020	1	1/1/2020			0	0	0
		2020	2	2/1/2020			0	0	0
		2020	3	3/1/2020			0	0	0
		2020	4	4/1/2020			0	0	0
		2020	5	5/1/2020			0	0	0
		2020	6	6/1/2020			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2020	7	7/1/2020			0	0	0
		2020	8	8/1/2020			0	0	0
		2020	9	9/1/2020			0	0	0
		2020	10	10/1/2020			0	0	0
		2020	11	11/1/2020			0	0	0
		2020	12	12/1/2020			0	0	0
		2021	1	1/1/2021			0	0	0
		2021	2	2/1/2021			0	0	0
		2021	3	3/1/2021			0	0	0
		2021	4	4/1/2021			0	0	0
		2021	5	5/1/2021			0	0	0
		2021	6	6/1/2021			0	0	0
		2021	7	7/1/2021			0	0	0
		2021	8	8/1/2021			0	0	0
		2021	9	9/1/2021			0	0	0
		2021	10	10/1/2021			0	0	0
		2021	11	11/1/2021			0	0	0
		2021	12	12/1/2021			0	0	0
		2022	1	1/1/2022			0	0	0
		2022	2	2/1/2022			0	0	0
		2022	3	3/1/2022			0	0	0
		2022	4	4/1/2022			0	0	0
		2022	5	5/1/2022			0	0	0
		2022	6	6/1/2022			0	0	0
		2022	7	7/1/2022			0	0	0
		2022	8	8/1/2022			0	0	0
		2022	9	9/1/2022			0	0	0
		2022	10	10/1/2022			0	0	0
		2022	11	11/1/2022			0	0	0
		2022	12	12/1/2022			0	0	0
		2023	1	1/1/2023			0	0	0
		2023	2	2/1/2023			0	0	0
		2023	3	3/1/2023			0	0	0
		2023	4	4/1/2023			0	0	0
		2023	5	5/1/2023			0	0	0
		2023	6	6/1/2023			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2023	7	7/1/2023			0	0	0
		2023	8	8/1/2023			0	0	0
		2023	9	9/1/2023			0	0	0
		2023	10	10/1/2023			0	0	0
		2023	11	11/1/2023			0	0	0
		2023	12	12/1/2023			0	0	0
		2024	1	1/1/2024			0	0	0
		2024	2	2/1/2024			0	0	0
		2024	3	3/1/2024			0	0	0
		2024	4	4/1/2024			0	0	0
		2024	5	5/1/2024			0	0	0
		2024	6	6/1/2024			0	0	0
		2024	7	7/1/2024			0	0	0
		2024	8	8/1/2024			0	0	0
		2024	9	9/1/2024			0	0	0
		2024	10	10/1/2024			0	0	0
		2024	11	11/1/2024			0	0	0
		2024	12	12/1/2024			0	0	0
		1995	12	12/1/1995			0	0	0
		1996	1	1/1/1996			0	0	0
		1997	7	7/1/1997			0	0	0
		1998	2	2/1/1998			0	0	0
		1998	3	3/1/1998			0	0	0
		1999	1	1/1/1999			0	0	0
		1999	2	2/1/1999			0	0	0
		1999	3	3/1/1999			0	0	0
		1999	4	4/1/1999			0	0	0
		1999	5	5/1/1999			0	0	0
		1999	6	6/1/1999			0	0	0
		1999	7	7/1/1999			0	0	0
		1999	8	8/1/1999			0	0	0
		1999	9	9/1/1999			0	0	0
		1999	10	10/1/1999			0	0	0
		1999	11	11/1/1999			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		1999	12	12/1/1999			1	0	0
		2000	1	1/1/2000			0	0	0
		2000	2	2/1/2000			0	0	0
		2000	3	3/1/2000			0	0	0
		2000	4	4/1/2000			0	0	0
		2000	5	5/1/2000			0	0	0
		2000	6	6/1/2000			0	0	0
		2000	7	7/1/2000			0	0	0
		2000	8	8/1/2000			0	0	0
		2000	9	9/1/2000			0	0	0
		2000	10	10/1/2000			0	0	0
		2000	11	11/1/2000			0	0	0
		2000	12	12/1/2000			0	0	0
		2001	1	1/1/2001			0	0	0
		2001	2	2/1/2001			0	0	0
		2001	3	3/1/2001			0	0	0
		2001	4	4/1/2001			0	0	0
		2001	5	5/1/2001			0	0	0
		2001	6	6/1/2001			0	0	0
		2001	7	7/1/2001			0	0	0
		2001	8	8/1/2001			0	0	0
		2001	9	9/1/2001			0	-1	0
		2001	10	10/1/2001			0	0	0
		2001	11	11/1/2001			0	0	0
		2001	12	12/1/2001			0	0	0
		2002	1	1/1/2002			0	0	0
		2002	2	2/1/2002			0	0	0
		2002	3	3/1/2002			0	0	0
		2002	4	4/1/2002			0	0	0
		2002	5	5/1/2002			0	0	0
		2002	6	6/1/2002			0	0	0
		2002	7	7/1/2002			0	0	0
		2002	8	8/1/2002			0	0	0
		2002	9	9/1/2002			0	0	0
		2002	10	10/1/2002			0	0	0
		2002	11	11/1/2002			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2005	12	12/1/2005			0	0	0
		2006	1	1/1/2006			0	0	0
		2006	2	2/1/2006			0	0	0
		2006	3	3/1/2006			0	0	0
		2006	4	4/1/2006			0	0	0
		2006	5	5/1/2006			0	0	0
		2006	6	6/1/2006			0	0	0
		2006	7	7/1/2006			0	0	0
		2006	8	8/1/2006			0	0	0
		2006	9	9/1/2006			0	0	0
		2006	10	10/1/2006			0	0	0
		2006	11	11/1/2006			0	0	0
		2006	12	12/1/2006			0	0	0
		2007	1	1/1/2007			0	0	0
		2007	2	2/1/2007			0	0	0
		2007	3	3/1/2007			0	0	0
		2007	4	4/1/2007			0	0	0
		2007	5	5/1/2007			0	0	0
		2007	6	6/1/2007			0	0	0
		2007	7	7/1/2007			0	0	0
		2007	8	8/1/2007			0	0	0
		2007	9	9/1/2007			0	0	0
		2007	10	10/1/2007			0	0	0
		2007	11	11/1/2007			0	0	0
		2007	12	12/1/2007			0	0	0
		2008	1	1/1/2008			0	0	0
		2008	2	2/1/2008			0	0	0
		2008	3	3/1/2008			0	0	0
		2008	4	4/1/2008			0	0	0
		2008	5	5/1/2008			0	0	0
		2008	6	6/1/2008			0	0	0
		2008	7	7/1/2008			0	0	0
		2008	8	8/1/2008			0	0	0
		2008	9	9/1/2008			0	0	0
		2008	10	10/1/2008			0	0	0
		2008	11	11/1/2008			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2008	12	12/1/2008			0	0	0
		2009	1	1/1/2009			0	0	0
		2009	2	2/1/2009			0	0	0
		2009	3	3/1/2009			0	0	0
		2009	4	4/1/2009			0	0	0
		2009	5	5/1/2009			0	0	0
		2009	6	6/1/2009			0	0	0
		2009	7	7/1/2009			0	0	0
		2009	8	8/1/2009			0	0	0
		2009	9	9/1/2009			0	0	0
		2009	10	10/1/2009			0	0	0
		2009	11	11/1/2009			0	0	0
		2009	12	12/1/2009			0	0	0
		2010	1	1/1/2010			0	0	0
		2010	2	2/1/2010			0	0	0
		2010	3	3/1/2010			0	0	0
		2010	4	4/1/2010			0	0	0
		2010	5	5/1/2010			0	0	0
		2010	6	6/1/2010			0	0	0
		2010	7	7/1/2010			0	0	0
		2010	8	8/1/2010			0	0	0
		2010	9	9/1/2010			0	0	0
		2010	10	10/1/2010			0	0	0
		2010	11	11/1/2010			0	0	0
		2010	12	12/1/2010			0	0	0
		2011	1	1/1/2011			0	0	0
		2011	2	2/1/2011			0	0	0
		2011	3	3/1/2011			0	0	0
		2011	4	4/1/2011			0	0	0
		2011	5	5/1/2011			0	0	0
		2011	6	6/1/2011			0	0	0
		2011	7	7/1/2011			0	0	0
		2011	8	8/1/2011			0	0	0
		2011	9	9/1/2011			0	0	0
		2011	10	10/1/2011			0	0	0
		2011	11	11/1/2011			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2011	12	12/1/2011			0	0	0
		2012	1	1/1/2012			0	0	0
		2012	2	2/1/2012			0	0	0
		2012	3	3/1/2012			0	0	0
		2012	4	4/1/2012			0	0	0
		2012	5	5/1/2012			0	0	0
		2012	6	6/1/2012			0	0	0
		2012	7	7/1/2012			0	0	0
		2012	8	8/1/2012			0	0	0
		2012	8	8/1/2012			0	0	0
		2012	9	9/1/2012			0	0	0
		2012	9	9/1/2012			0	0	0
		2012	10	10/1/2012			0	0	0
		2012	10	10/1/2012			0	0	0
		2012	11	11/1/2012			0	0	0
		2012	11	11/1/2012			0	0	0
		2012	12	12/1/2012			0	0	0
		2012	12	12/1/2012			0	0	0
		2013	1	1/1/2013			0	0	0
		2013	2	2/1/2013			0	0	0
		2013	3	3/1/2013			0	0	0
		2013	4	4/1/2013			0	0	0
		2013	5	5/1/2013			0	0	0
		2013	6	6/1/2013			0	0	0
		2013	7	7/1/2013			0	0	0
		2013	8	8/1/2013			0	0	0
		2013	9	9/1/2013			0	0	0
		2013	10	10/1/2013			0	0	0
		2013	11	11/1/2013			0	0	0
		2013	12	12/1/2013			0	0	0
		2014	1	1/1/2014			0	0	0
		2014	2	2/1/2014			0	0	0
		2014	3	3/1/2014			0	0	0
		2014	4	4/1/2014			0	0	0
		2014	5	5/1/2014			0	0	0
		2014	6	6/1/2014			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2014	7	7/1/2014			0	0	0
		2014	8	8/1/2014			0	0	0
		2014	9	9/1/2014			0	0	0
		2014	10	10/1/2014			0	0	0
		2014	11	11/1/2014			0	0	0
		2014	12	12/1/2014			0	0	0
		2015	1	1/1/2015			0	0	0
		2015	2	2/1/2015			0	0	0
		2015	3	3/1/2015			0	0	0
		2015	4	4/1/2015			0	0	0
		2015	5	5/1/2015			0	0	0
		2015	6	6/1/2015			0	0	0
		2015	7	7/1/2015			0	0	0
		2015	8	8/1/2015			0	0	0
		2015	9	9/1/2015			0	0	0
		2015	10	10/1/2015			0	0	0
		2015	11	11/1/2015			0	0	0
		2015	12	12/1/2015			0	0	0
		2016	1	1/1/2016			0	0	0
		2016	2	2/1/2016			0	0	0
		2016	3	3/1/2016			0	0	0
		2016	4	4/1/2016			0	0	0
		2016	5	5/1/2016			0	0	0
		2016	6	6/1/2016			0	0	0
		2016	7	7/1/2016			0	0	0
		2016	8	8/1/2016			0	0	0
		2016	9	9/1/2016			0	0	0
		2016	10	10/1/2016			0	0	0
		2016	11	11/1/2016			0	0	0
		2016	12	12/1/2016			0	0	0
		2017	1	1/1/2017			0	0	0
		2017	2	2/1/2017			0	0	0
		2017	3	3/1/2017			0	0	0
		2017	4	4/1/2017			0	0	0
		2017	5	5/1/2017			0	0	0
		2017	6	6/1/2017			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2017	7	7/1/2017			0	0	0
		2017	8	8/1/2017			0	0	0
		2017	9	9/1/2017			0	0	0
		2017	10	10/1/2017			0	0	0
		2017	11	11/1/2017			0	0	0
		2017	12	12/1/2017			0	0	0
		2018	1	1/1/2018			0	0	0
		2018	2	2/1/2018			0	0	0
		2018	3	3/1/2018			0	0	0
		2018	4	4/1/2018			0	0	0
		2018	5	5/1/2018			0	0	0
		2018	6	6/1/2018			0	0	0
		2018	7	7/1/2018			0	0	0
		2018	8	8/1/2018			0	0	0
		2018	9	9/1/2018			0	0	0
		2018	10	10/1/2018			0	0	0
		2018	11	11/1/2018			0	0	0
		2018	12	12/1/2018			0	0	0
		2019	1	1/1/2019			0	0	0
		2019	2	2/1/2019			0	0	0
		2019	3	3/1/2019			0	0	0
		2019	4	4/1/2019			0	0	0
		2019	5	5/1/2019			0	0	0
		2019	6	6/1/2019			0	0	0
		2019	7	7/1/2019			0	0	0
		2019	8	8/1/2019			0	0	0
		2019	9	9/1/2019			0	0	0
		2019	10	10/1/2019			0	0	0
		2019	11	11/1/2019			0	0	0
		2019	12	12/1/2019			0	0	0
		2020	1	1/1/2020			0	0	0
		2020	2	2/1/2020			0	0	0
		2020	3	3/1/2020			0	0	0
		2020	4	4/1/2020			0	0	0
		2020	5	5/1/2020			0	0	0
		2020	6	6/1/2020			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2020	7	7/1/2020			0	0	0
		2020	8	8/1/2020			0	0	0
		2020	9	9/1/2020			0	0	0
		2020	10	10/1/2020			0	0	0
		2020	11	11/1/2020			0	0	0
		2020	12	12/1/2020			0	0	0
		2021	1	1/1/2021			0	0	0
		2021	2	2/1/2021			0	0	0
		2021	3	3/1/2021			0	0	0
		2021	4	4/1/2021			0	0	0
		2021	5	5/1/2021			0	0	0
		2021	6	6/1/2021			0	0	0
		2021	7	7/1/2021			0	0	0
		2021	8	8/1/2021			0	0	0
		2021	9	9/1/2021			0	0	0
		2021	10	10/1/2021			0	0	0
		2021	11	11/1/2021			0	0	0
		2021	12	12/1/2021			0	0	0
		2022	1	1/1/2022			0	0	0
		2022	2	2/1/2022			0	0	0
		2022	3	3/1/2022			0	0	0
		2022	4	4/1/2022			0	0	0
		2022	5	5/1/2022			0	0	0
		2022	6	6/1/2022			0	0	0
		2022	7	7/1/2022			0	0	0
		2022	8	8/1/2022			0	0	0
		2022	9	9/1/2022			0	0	0
		2022	10	10/1/2022			0	0	0
		2022	11	11/1/2022			0	0	0
		2022	12	12/1/2022			0	0	0
		2023	1	1/1/2023			0	0	0
		2023	2	2/1/2023			0	0	0
		2023	3	3/1/2023			0	0	0
		2023	4	4/1/2023			0	0	0
		2023	5	5/1/2023			0	0	0
		2023	6	6/1/2023			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2023	7	7/1/2023			0	0	0
		2023	8	8/1/2023			0	0	0
		2023	9	9/1/2023			0	0	0
		2023	10	10/1/2023			0	0	0
		2023	11	11/1/2023			0	0	0
		2023	12	12/1/2023			0	0	0
		2024	1	1/1/2024			0	0	0
		2024	2	2/1/2024			0	0	0
		2024	3	3/1/2024			0	0	0
		2024	4	4/1/2024			0	0	0
		2024	5	5/1/2024			0	0	0
		2024	6	6/1/2024			0	0	0
		2024	7	7/1/2024			0	0	0
		2024	8	8/1/2024			0	0	0
		2024	9	9/1/2024			0	0	0
		2024	10	10/1/2024			0	0	0
		2024	11	11/1/2024			0	0	0
		2024	12	12/1/2024			0	0	0
		1997	7	7/1/1997			0	0	0
		1997	8	8/1/1997			0	0	0
		1997	9	9/1/1997			0	0	0
		1999	1	1/1/1999			0	0	0
		1999	2	2/1/1999			0	0	0
		1999	3	3/1/1999			0	0	0
		1999	4	4/1/1999			0	0	0
		1999	5	5/1/1999			0	0	0
		1999	6	6/1/1999			0	0	0
		1999	7	7/1/1999			0	0	0
		1999	9	9/1/1999			0	0	0
		1999	10	10/1/1999			0	0	0
		1999	11	11/1/1999			0	0	0
		1999	12	12/1/1999			1	0	0
		2000	1	1/1/2000			0	0	0
		2000	2	2/1/2000			0	0	0
		2000	3	3/1/2000			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2000	4	4/1/2000			0	0	0
		2000	5	5/1/2000			0	0	0
		2000	6	6/1/2000			0	0	0
		2000	7	7/1/2000			0	0	0
		2000	8	8/1/2000			0	0	0
		2000	9	9/1/2000			0	0	0
		2000	10	10/1/2000			0	0	0
		2000	11	11/1/2000			0	0	0
		2001	2	2/1/2001			0	0	0
		2001	3	3/1/2001			0	0	0
		2001	4	4/1/2001			0	0	0
		2001	5	5/1/2001			0	0	0
		2001	6	6/1/2001			0	0	0
		2001	7	7/1/2001			0	0	0
		2001	8	8/1/2001			0	0	0
		2001	9	9/1/2001			0	-1	0
		2001	10	10/1/2001			0	0	0
		2001	11	11/1/2001			0	0	0
		2001	12	12/1/2001			0	0	0
		2002	1	1/1/2002			0	0	0
		2002	2	2/1/2002			0	0	0
		2002	3	3/1/2002			0	0	0
		2002	4	4/1/2002			0	0	0
		2002	5	5/1/2002			0	0	0
		2002	6	6/1/2002			0	0	0
		2002	7	7/1/2002			0	0	0
		2002	8	8/1/2002			0	0	0
		2002	9	9/1/2002			0	0	0
		2002	10	10/1/2002			0	0	0
		2002	11	11/1/2002			0	0	0
		2002	12	12/1/2002			0	0	0
		2003	1	1/1/2003			0	0	0
		2003	2	2/1/2003			0	0	0
		2003	3	3/1/2003			0	0	0
		2003	4	4/1/2003			0	0	0
		2003	5	5/1/2003			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2003	6	6/1/2003			0	0	0
		2003	7	7/1/2003			0	0	0
		2003	8	8/1/2003			0	0	0
		2003	9	9/1/2003			0	0	0
		2003	10	10/1/2003			0	0	0
		2003	11	11/1/2003			0	0	0
		2003	12	12/1/2003			0	0	0
		2004	1	1/1/2004			0	0	0
		2004	2	2/1/2004			0	0	0
		2004	3	3/1/2004			0	0	0
		2004	4	4/1/2004			0	0	0
		2004	5	5/1/2004			0	0	0
		2004	6	6/1/2004			0	-1	0
		2004	7	7/1/2004			0	0	0
		2004	8	8/1/2004			0	0	0
		2004	9	9/1/2004			0	0	0
		2004	10	10/1/2004			0	0	0
		2004	11	11/1/2004			0	0	0
		2004	12	12/1/2004			0	0	0
		2005	1	1/1/2005			0	0	0
		2005	2	2/1/2005			0	0	0
		2005	3	3/1/2005			0	0	0
		2005	4	4/1/2005			0	0	0
		2005	5	5/1/2005			0	0	0
		2005	6	6/1/2005			0	0	0
		2005	7	7/1/2005			0	0	0
		2005	8	8/1/2005			0	0	0
		2005	9	9/1/2005			0	0	0
		2005	10	10/1/2005			0	0	0
		2005	11	11/1/2005			0	0	0
		2005	12	12/1/2005			0	0	0
		2006	1	1/1/2006			0	0	0
		2006	2	2/1/2006			0	0	0
		2006	3	3/1/2006			0	0	0
		2006	4	4/1/2006			0	0	0
		2006	5	5/1/2006			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2006	6	6/1/2006			0	0	0
		2006	7	7/1/2006			0	0	0
		2006	8	8/1/2006			0	0	0
		2006	9	9/1/2006			0	0	0
		2006	10	10/1/2006			0	0	0
		2006	11	11/1/2006			0	0	0
		2006	12	12/1/2006			0	0	0
		2007	1	1/1/2007			0	0	0
		2007	2	2/1/2007			0	0	0
		2007	3	3/1/2007			0	0	0
		2007	4	4/1/2007			0	0	0
		2007	5	5/1/2007			0	0	0
		2007	6	6/1/2007			0	0	0
		2007	7	7/1/2007			0	0	0
		2007	8	8/1/2007			0	0	0
		2007	9	9/1/2007			0	0	0
		2007	10	10/1/2007			0	0	0
		2007	11	11/1/2007			0	0	0
		2007	12	12/1/2007			0	0	0
		2008	1	1/1/2008			0	0	0
		2008	2	2/1/2008			0	0	0
		2008	3	3/1/2008			0	0	0
		2008	4	4/1/2008			0	0	0
		2008	5	5/1/2008			0	0	0
		2008	6	6/1/2008			0	0	0
		2008	7	7/1/2008			0	0	0
		2008	8	8/1/2008			0	0	0
		2008	9	9/1/2008			0	0	0
		2008	10	10/1/2008			0	0	0
		2008	11	11/1/2008			0	0	0
		2008	12	12/1/2008			0	0	0
		2009	1	1/1/2009			0	0	0
		2009	2	2/1/2009			0	0	0
		2009	3	3/1/2009			0	0	0
		2009	4	4/1/2009			0	0	0
		2009	5	5/1/2009			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2009	6	6/1/2009		0	0	0	0
		2009	7	7/1/2009		0	0	0	0
		2009	8	8/1/2009		0	0	0	0
		2009	9	9/1/2009		0	0	0	0
		2009	10	10/1/2009		0	0	0	0
		2009	11	11/1/2009		0	0	0	0
		2009	12	12/1/2009		0	0	0	0
		2010	1	1/1/2010		0	0	0	0
		2010	2	2/1/2010		0	0	0	0
		2010	3	3/1/2010		0	0	0	0
		2010	4	4/1/2010		0	0	0	0
		2010	5	5/1/2010		0	0	0	0
		2010	6	6/1/2010		0	0	0	0
		2010	7	7/1/2010		0	0	0	0
		2010	8	8/1/2010		0	0	0	0
		2010	9	9/1/2010		0	0	0	0
		2010	10	10/1/2010		0	0	0	0
		2010	11	11/1/2010		0	0	0	0
		2010	12	12/1/2010		0	0	0	0
		2011	1	1/1/2011		0	0	0	0
		2011	2	2/1/2011		0	0	0	0
		2011	3	3/1/2011		0	0	0	0
		2011	4	4/1/2011		0	0	0	0
		2011	5	5/1/2011		0	0	0	0
		2011	6	6/1/2011		0	0	0	0
		2011	7	7/1/2011		0	0	0	0
		2011	8	8/1/2011		0	0	0	0
		2011	9	9/1/2011		0	0	0	0
		2011	10	10/1/2011		0	0	0	0
		2011	11	11/1/2011		0	0	0	0
		2011	12	12/1/2011		0	0	0	0
		2012	1	1/1/2012		0	0	0	0
		2012	2	2/1/2012		0	0	0	0
		2012	3	3/1/2012		0	0	0	0
		2012	4	4/1/2012		0	0	0	0
		2012	5	5/1/2012		0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2012	6	6/1/2012			0	0	0
		2012	7	7/1/2012			0	0	0
		2012	8	8/1/2012			0	0	0
		2012	8	8/1/2012			0	0	0
		2012	9	9/1/2012			0	0	0
		2012	9	9/1/2012			0	0	0
		2012	10	10/1/2012			0	0	0
		2012	10	10/1/2012			0	0	0
		2012	11	11/1/2012			0	0	0
		2012	11	11/1/2012			0	0	0
		2012	12	12/1/2012			0	0	0
		2012	12	12/1/2012			0	0	0
		2013	1	1/1/2013			0	0	0
		2013	2	2/1/2013			0	0	0
		2013	3	3/1/2013			0	0	0
		2013	4	4/1/2013			0	0	0
		2013	5	5/1/2013			0	0	0
		2013	6	6/1/2013			0	0	0
		2013	7	7/1/2013			0	0	0
		2013	8	8/1/2013			0	0	0
		2013	9	9/1/2013			0	0	0
		2013	10	10/1/2013			0	0	0
		2013	11	11/1/2013			0	0	0
		2013	12	12/1/2013			0	0	0
		2014	1	1/1/2014			0	0	0
		2014	2	2/1/2014			0	0	0
		2014	3	3/1/2014			0	0	0
		2014	4	4/1/2014			0	0	0
		2014	5	5/1/2014			0	0	0
		2014	6	6/1/2014			0	0	0
		2014	7	7/1/2014			0	0	0
		2014	8	8/1/2014			0	0	0
		2014	9	9/1/2014			0	0	0
		2014	10	10/1/2014			0	0	0
		2014	11	11/1/2014			0	0	0
		2014	12	12/1/2014			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2015	1	1/1/2015			0	0	0
		2015	2	2/1/2015			0	0	0
		2015	3	3/1/2015			0	0	0
		2015	4	4/1/2015			0	0	0
		2015	5	5/1/2015			0	0	0
		2015	6	6/1/2015			0	0	0
		2015	7	7/1/2015			0	0	0
		2015	8	8/1/2015			0	0	0
		2015	9	9/1/2015			0	0	0
		2015	10	10/1/2015			0	0	0
		2015	11	11/1/2015			0	0	0
		2015	12	12/1/2015			0	0	0
		2016	1	1/1/2016			0	0	0
		2016	2	2/1/2016			0	0	0
		2016	3	3/1/2016			0	0	0
		2016	4	4/1/2016			0	0	0
		2016	5	5/1/2016			0	0	0
		2016	6	6/1/2016			0	0	0
		2016	7	7/1/2016			0	0	0
		2016	8	8/1/2016			0	0	0
		2016	9	9/1/2016			0	0	0
		2016	10	10/1/2016			0	0	0
		2016	11	11/1/2016			0	0	0
		2016	12	12/1/2016			0	0	0
		2017	1	1/1/2017			0	0	0
		2017	2	2/1/2017			0	0	0
		2017	3	3/1/2017			0	0	0
		2017	4	4/1/2017			0	0	0
		2017	5	5/1/2017			0	0	0
		2017	6	6/1/2017			0	0	0
		2017	7	7/1/2017			0	0	0
		2017	8	8/1/2017			0	0	0
		2017	9	9/1/2017			0	0	0
		2017	10	10/1/2017			0	0	0
		2017	11	11/1/2017			0	0	0
		2017	12	12/1/2017			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2018	1	1/1/2018			0	0	0
		2018	2	2/1/2018			0	0	0
		2018	3	3/1/2018			0	0	0
		2018	4	4/1/2018			0	0	0
		2018	5	5/1/2018			0	0	0
		2018	6	6/1/2018			0	0	0
		2018	7	7/1/2018			0	0	0
		2018	8	8/1/2018			0	0	0
		2018	9	9/1/2018			0	0	0
		2018	10	10/1/2018			0	0	0
		2018	11	11/1/2018			0	0	0
		2018	12	12/1/2018			0	0	0
		2019	1	1/1/2019			0	0	0
		2019	2	2/1/2019			0	0	0
		2019	3	3/1/2019			0	0	0
		2019	4	4/1/2019			0	0	0
		2019	5	5/1/2019			0	0	0
		2019	6	6/1/2019			0	0	0
		2019	7	7/1/2019			0	0	0
		2019	8	8/1/2019			0	0	0
		2019	9	9/1/2019			0	0	0
		2019	10	10/1/2019			0	0	0
		2019	11	11/1/2019			0	0	0
		2019	12	12/1/2019			0	0	0
		2020	1	1/1/2020			0	0	0
		2020	2	2/1/2020			0	0	0
		2020	3	3/1/2020			0	0	0
		2020	4	4/1/2020			0	0	0
		2020	5	5/1/2020			0	0	0
		2020	6	6/1/2020			0	0	0
		2020	7	7/1/2020			0	0	0
		2020	8	8/1/2020			0	0	0
		2020	9	9/1/2020			0	0	0
		2020	10	10/1/2020			0	0	0
		2020	11	11/1/2020			0	0	0
		2020	12	12/1/2020			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2021	1	1/1/2021			0	0	0
		2021	2	2/1/2021			0	0	0
		2021	3	3/1/2021			0	0	0
		2021	4	4/1/2021			0	0	0
		2021	5	5/1/2021			0	0	0
		2021	6	6/1/2021			0	0	0
		2021	7	7/1/2021			0	0	0
		2021	8	8/1/2021			0	0	0
		2021	9	9/1/2021			0	0	0
		2021	10	10/1/2021			0	0	0
		2021	11	11/1/2021			0	0	0
		2021	12	12/1/2021			0	0	0
		2022	1	1/1/2022			0	0	0
		2022	2	2/1/2022			0	0	0
		2022	3	3/1/2022			0	0	0
		2022	4	4/1/2022			0	0	0
		2022	5	5/1/2022			0	0	0
		2022	6	6/1/2022			0	0	0
		2022	7	7/1/2022			0	0	0
		2022	8	8/1/2022			0	0	0
		2022	9	9/1/2022			0	0	0
		2022	10	10/1/2022			0	0	0
		2022	11	11/1/2022			0	0	0
		2022	12	12/1/2022			0	0	0
		2023	1	1/1/2023			0	0	0
		2023	2	2/1/2023			0	0	0
		2023	3	3/1/2023			0	0	0
		2023	4	4/1/2023			0	0	0
		2023	5	5/1/2023			0	0	0
		2023	6	6/1/2023			0	0	0
		2023	7	7/1/2023			0	0	0
		2023	8	8/1/2023			0	0	0
		2023	9	9/1/2023			0	0	0
		2023	10	10/1/2023			0	0	0
		2023	11	11/1/2023			0	0	0
		2023	12	12/1/2023			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2024	1	1/1/2024			0	0	0
		2024	2	2/1/2024			0	0	0
		2024	3	3/1/2024			0	0	0
		2024	4	4/1/2024			0	0	0
		2024	5	5/1/2024			0	0	0
		2024	6	6/1/2024			0	0	0
		2024	7	7/1/2024			0	0	0
		2024	8	8/1/2024			0	0	0
		2024	9	9/1/2024			0	0	0
		2024	10	10/1/2024			0	0	0
		2024	11	11/1/2024			0	0	0
		2024	12	12/1/2024			0	0	0
		1999	1	1/1/1999			0	0	0
		1999	2	2/1/1999			0	0	0
		1999	3	3/1/1999			0	0	0
		1999	4	4/1/1999			0	0	0
		1999	5	5/1/1999			0	0	0
		1999	6	6/1/1999			0	0	0
		1999	7	7/1/1999			0	0	0
		1999	8	8/1/1999			0	0	0
		1999	9	9/1/1999			0	0	0
		1999	10	10/1/1999			0	0	0
		1999	11	11/1/1999			0	0	0
		1999	12	12/1/1999			1	0	0
		2000	1	1/1/2000			0	0	0
		2000	2	2/1/2000			0	0	0
		2000	3	3/1/2000			0	0	0
		2000	4	4/1/2000			0	0	0
		2000	5	5/1/2000			0	0	0
		2000	6	6/1/2000			0	0	0
		2000	7	7/1/2000			0	0	0
		2000	8	8/1/2000			0	0	0
		2000	9	9/1/2000			0	0	0
		2000	10	10/1/2000			0	0	0
		2000	11	11/1/2000			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2000	12	12/1/2000			0	0	0
		2001	1	1/1/2001			0	0	0
		2001	2	2/1/2001			0	0	0
		2001	3	3/1/2001			0	0	0
		2001	4	4/1/2001			0	0	0
		2001	5	5/1/2001			0	0	0
		2001	6	6/1/2001			0	0	0
		2001	7	7/1/2001			0	0	0
		2001	8	8/1/2001			0	0	0
		2001	9	9/1/2001			0	-1	0
		2001	10	10/1/2001			0	0	0
		2001	11	11/1/2001			0	0	0
		2001	12	12/1/2001			0	0	0
		2002	1	1/1/2002			0	0	0
		2002	2	2/1/2002			0	0	0
		2002	3	3/1/2002			0	0	0
		2002	4	4/1/2002			0	0	0
		2002	5	5/1/2002			0	0	0
		2002	6	6/1/2002			0	0	0
		2002	7	7/1/2002			0	0	0
		2002	8	8/1/2002			0	0	0
		2002	9	9/1/2002			0	0	0
		2002	10	10/1/2002			0	0	0
		2002	11	11/1/2002			0	0	0
		2002	12	12/1/2002			0	0	0
		2003	1	1/1/2003			0	0	0
		2003	2	2/1/2003			0	0	0
		2003	3	3/1/2003			0	0	0
		2003	4	4/1/2003			0	0	0
		2003	5	5/1/2003			0	0	0
		2003	6	6/1/2003			0	0	0
		2003	7	7/1/2003			0	0	0
		2003	8	8/1/2003			0	0	0
		2003	9	9/1/2003			0	0	0
		2003	10	10/1/2003			0	0	0
		2003	11	11/1/2003			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2006	12	12/1/2006			0	0	0
		2007	1	1/1/2007			0	0	0
		2007	2	2/1/2007			0	0	0
		2007	3	3/1/2007			0	0	0
		2007	4	4/1/2007			0	0	0
		2007	5	5/1/2007			0	0	0
		2007	6	6/1/2007			0	0	0
		2007	7	7/1/2007			0	0	0
		2007	8	8/1/2007			0	0	0
		2007	9	9/1/2007			0	0	0
		2007	10	10/1/2007			0	0	0
		2007	11	11/1/2007			0	0	0
		2007	12	12/1/2007			0	0	0
		2008	1	1/1/2008			0	0	0
		2008	2	2/1/2008			0	0	0
		2008	3	3/1/2008			0	0	0
		2008	4	4/1/2008			0	0	0
		2008	5	5/1/2008			0	0	0
		2008	6	6/1/2008			0	0	0
		2008	7	7/1/2008			0	0	0
		2008	8	8/1/2008			0	0	0
		2008	9	9/1/2008			0	0	0
		2008	10	10/1/2008			0	0	0
		2008	11	11/1/2008			0	0	0
		2008	12	12/1/2008			0	0	0
		2009	1	1/1/2009			0	0	0
		2009	2	2/1/2009			0	0	0
		2009	3	3/1/2009			0	0	0
		2009	4	4/1/2009			0	0	0
		2009	5	5/1/2009			0	0	0
		2009	6	6/1/2009			0	0	0
		2009	7	7/1/2009			0	0	0
		2009	8	8/1/2009			0	0	0
		2009	9	9/1/2009			0	0	0
		2009	10	10/1/2009			0	0	0
		2009	11	11/1/2009			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2009	12	12/1/2009			0	0	0
		2010	1	1/1/2010			0	0	0
		2010	2	2/1/2010			0	0	0
		2010	3	3/1/2010			0	0	0
		2010	4	4/1/2010			0	0	0
		2010	5	5/1/2010			0	0	0
		2010	6	6/1/2010			0	0	0
		2010	7	7/1/2010			0	0	0
		2010	8	8/1/2010			0	0	0
		2010	9	9/1/2010			0	0	0
		2010	10	10/1/2010			0	0	0
		2010	11	11/1/2010			0	0	0
		2010	12	12/1/2010			0	0	0
		2011	1	1/1/2011			0	0	0
		2011	2	2/1/2011			0	0	0
		2011	3	3/1/2011			0	0	0
		2011	4	4/1/2011			0	0	0
		2011	5	5/1/2011			0	0	0
		2011	6	6/1/2011			0	0	0
		2011	7	7/1/2011			0	0	0
		2011	8	8/1/2011			0	0	0
		2011	9	9/1/2011			0	0	0
		2011	10	10/1/2011			0	0	0
		2011	11	11/1/2011			0	0	0
		2011	12	12/1/2011			0	0	0
		2012	1	1/1/2012			0	0	0
		2012	2	2/1/2012			0	0	0
		2012	3	3/1/2012			0	0	0
		2012	4	4/1/2012			0	0	0
		2012	5	5/1/2012			0	0	0
		2012	6	6/1/2012			0	0	0
		2012	7	7/1/2012			0	0	0
		2012	8	8/1/2012			0	0	0
		2012	8	8/1/2012			0	0	0
		2012	9	9/1/2012			0	0	0
		2012	9	9/1/2012			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2012	10	10/1/2012			0	0	0
		2012	10	10/1/2012			0	0	0
		2012	11	11/1/2012			0	0	0
		2012	11	11/1/2012			0	0	0
		2012	12	12/1/2012			0	0	0
		2012	12	12/1/2012			0	0	0
		2013	1	1/1/2013			0	0	0
		2013	2	2/1/2013			0	0	0
		2013	3	3/1/2013			0	0	0
		2013	4	4/1/2013			0	0	0
		2013	5	5/1/2013			0	0	0
		2013	6	6/1/2013			0	0	0
		2013	7	7/1/2013			0	0	0
		2013	8	8/1/2013			0	0	0
		2013	9	9/1/2013			0	0	0
		2013	10	10/1/2013			0	0	0
		2013	11	11/1/2013			0	0	0
		2013	12	12/1/2013			0	0	0
		2014	1	1/1/2014			0	0	0
		2014	2	2/1/2014			0	0	0
		2014	3	3/1/2014			0	0	0
		2014	4	4/1/2014			0	0	0
		2014	5	5/1/2014			0	0	0
		2014	6	6/1/2014			0	0	0
		2014	7	7/1/2014			0	0	0
		2014	8	8/1/2014			0	0	0
		2014	9	9/1/2014			0	0	0
		2014	10	10/1/2014			0	0	0
		2014	11	11/1/2014			0	0	0
		2014	12	12/1/2014			0	0	0
		2015	1	1/1/2015			0	0	0
		2015	2	2/1/2015			0	0	0
		2015	3	3/1/2015			0	0	0
		2015	4	4/1/2015			0	0	0
		2015	5	5/1/2015			0	0	0
		2015	6	6/1/2015			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2015	7	7/1/2015			0	0	0
		2015	8	8/1/2015			0	0	0
		2015	9	9/1/2015			0	0	0
		2015	10	10/1/2015			0	0	0
		2015	11	11/1/2015			0	0	0
		2015	12	12/1/2015			0	0	0
		2016	1	1/1/2016			0	0	0
		2016	2	2/1/2016			0	0	0
		2016	3	3/1/2016			0	0	0
		2016	4	4/1/2016			0	0	0
		2016	5	5/1/2016			0	0	0
		2016	6	6/1/2016			0	0	0
		2016	7	7/1/2016			0	0	0
		2016	8	8/1/2016			0	0	0
		2016	9	9/1/2016			0	0	0
		2016	10	10/1/2016			0	0	0
		2016	11	11/1/2016			0	0	0
		2016	12	12/1/2016			0	0	0
		2017	1	1/1/2017			0	0	0
		2017	2	2/1/2017			0	0	0
		2017	3	3/1/2017			0	0	0
		2017	4	4/1/2017			0	0	0
		2017	5	5/1/2017			0	0	0
		2017	6	6/1/2017			0	0	0
		2017	7	7/1/2017			0	0	0
		2017	8	8/1/2017			0	0	0
		2017	9	9/1/2017			0	0	0
		2017	10	10/1/2017			0	0	0
		2017	11	11/1/2017			0	0	0
		2017	12	12/1/2017			0	0	0
		2018	1	1/1/2018			0	0	0
		2018	2	2/1/2018			0	0	0
		2018	3	3/1/2018			0	0	0
		2018	4	4/1/2018			0	0	0
		2018	5	5/1/2018			0	0	0
		2018	6	6/1/2018			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2018	7	7/1/2018			0	0	0
		2018	8	8/1/2018			0	0	0
		2018	9	9/1/2018			0	0	0
		2018	10	10/1/2018			0	0	0
		2018	11	11/1/2018			0	0	0
		2018	12	12/1/2018			0	0	0
		2019	1	1/1/2019			0	0	0
		2019	2	2/1/2019			0	0	0
		2019	3	3/1/2019			0	0	0
		2019	4	4/1/2019			0	0	0
		2019	5	5/1/2019			0	0	0
		2019	6	6/1/2019			0	0	0
		2019	7	7/1/2019			0	0	0
		2019	8	8/1/2019			0	0	0
		2019	9	9/1/2019			0	0	0
		2019	10	10/1/2019			0	0	0
		2019	11	11/1/2019			0	0	0
		2019	12	12/1/2019			0	0	0
		2020	1	1/1/2020			0	0	0
		2020	2	2/1/2020			0	0	0
		2020	3	3/1/2020			0	0	0
		2020	4	4/1/2020			0	0	0
		2020	5	5/1/2020			0	0	0
		2020	6	6/1/2020			0	0	0
		2020	7	7/1/2020			0	0	0
		2020	8	8/1/2020			0	0	0
		2020	9	9/1/2020			0	0	0
		2020	10	10/1/2020			0	0	0
		2020	11	11/1/2020			0	0	0
		2020	12	12/1/2020			0	0	0
		2021	1	1/1/2021			0	0	0
		2021	2	2/1/2021			0	0	0
		2021	3	3/1/2021			0	0	0
		2021	4	4/1/2021			0	0	0
		2021	5	5/1/2021			0	0	0
		2021	6	6/1/2021			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2021	7	7/1/2021		0	0	0	0
		2021	8	8/1/2021		0	0	0	0
		2021	9	9/1/2021		0	0	0	0
		2021	10	10/1/2021		0	0	0	0
		2021	11	11/1/2021		0	0	0	0
		2021	12	12/1/2021		0	0	0	0
		2022	1	1/1/2022		0	0	0	0
		2022	2	2/1/2022		0	0	0	0
		2022	3	3/1/2022		0	0	0	0
		2022	4	4/1/2022		0	0	0	0
		2022	5	5/1/2022		0	0	0	0
		2022	6	6/1/2022		0	0	0	0
		2022	7	7/1/2022		0	0	0	0
		2022	8	8/1/2022		0	0	0	0
		2022	9	9/1/2022		0	0	0	0
		2022	10	10/1/2022		0	0	0	0
		2022	11	11/1/2022		0	0	0	0
		2022	12	12/1/2022		0	0	0	0
		2023	1	1/1/2023		0	0	0	0
		2023	2	2/1/2023		0	0	0	0
		2023	3	3/1/2023		0	0	0	0
		2023	4	4/1/2023		0	0	0	0
		2023	5	5/1/2023		0	0	0	0
		2023	6	6/1/2023		0	0	0	0
		2023	7	7/1/2023		0	0	0	0
		2023	8	8/1/2023		0	0	0	0
		2023	9	9/1/2023		0	0	0	0
		2023	10	10/1/2023		0	0	0	0
		2023	11	11/1/2023		0	0	0	0
		2023	12	12/1/2023		0	0	0	0
		2024	1	1/1/2024		0	0	0	0
		2024	2	2/1/2024		0	0	0	0
		2024	3	3/1/2024		0	0	0	0
		2024	4	4/1/2024		0	0	0	0
		2024	5	5/1/2024		0	0	0	0
		2024	6	6/1/2024		0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2024	7	7/1/2024			0	0	0
		2024	8	8/1/2024			0	0	0
		2024	9	9/1/2024			0	0	0
		2024	10	10/1/2024			0	0	0
		2024	11	11/1/2024			0	0	0
		2024	12	12/1/2024			0	0	0
		2007	1	1/1/2007			0	0	0
		2007	2	2/1/2007			0	0	0
		2007	3	3/1/2007			0	0	0
		2007	4	4/1/2007			0	0	0
		2007	5	5/1/2007			0	0	0
		2007	6	6/1/2007			0	0	0
		2007	7	7/1/2007			0	0	0
		2007	8	8/1/2007			0	0	0
		2007	9	9/1/2007			0	0	0
		2007	10	10/1/2007			0	0	0
		2007	11	11/1/2007			0	0	0
		2007	12	12/1/2007			0	0	0
		2008	1	1/1/2008			0	0	0
		2008	2	2/1/2008			0	0	0
		2008	3	3/1/2008			0	0	0
		2008	4	4/1/2008			0	0	0
		2008	5	5/1/2008			0	0	0
		2008	6	6/1/2008			0	0	0
		2008	7	7/1/2008			0	0	0
		2008	8	8/1/2008			0	0	0
		2008	9	9/1/2008			0	0	0
		2008	10	10/1/2008			0	0	0
		2008	11	11/1/2008			0	0	0
		2008	12	12/1/2008			0	0	0
		2009	1	1/1/2009			0	0	0
		2009	2	2/1/2009			0	0	0
		2009	3	3/1/2009			0	0	0
		2009	4	4/1/2009			0	0	0
		2009	5	5/1/2009			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2009	6	6/1/2009			0	0	0
		2009	7	7/1/2009			0	0	0
		2009	8	8/1/2009			0	0	0
		2009	9	9/1/2009			0	0	0
		2009	10	10/1/2009			0	0	0
		2009	11	11/1/2009			0	0	0
		2009	12	12/1/2009			0	0	0
		2010	1	1/1/2010			0	0	0
		2010	2	2/1/2010			0	0	0
		2010	3	3/1/2010			0	0	0
		2010	4	4/1/2010			0	0	0
		2010	5	5/1/2010			0	0	0
		2010	6	6/1/2010			0	0	0
		2010	7	7/1/2010			0	0	0
		2010	8	8/1/2010			0	0	0
		2010	9	9/1/2010			0	0	0
		2010	10	10/1/2010			0	0	0
		2010	11	11/1/2010			0	0	0
		2010	12	12/1/2010			0	0	0
		2011	1	1/1/2011			0	0	0
		2011	2	2/1/2011			0	0	0
		2011	3	3/1/2011			0	0	0
		2011	4	4/1/2011			0	0	0
		2011	5	5/1/2011			0	0	0
		2011	6	6/1/2011			0	0	0
		2011	7	7/1/2011			0	0	0
		2011	8	8/1/2011			0	0	0
		2011	9	9/1/2011			0	0	0
		2011	10	10/1/2011			0	0	0
		2011	11	11/1/2011			0	0	0
		2011	12	12/1/2011			0	0	0
		2012	1	1/1/2012			0	0	0
		2012	2	2/1/2012			0	0	0
		2012	3	3/1/2012			0	0	0
		2012	4	4/1/2012			0	0	0
		2012	5	5/1/2012			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2012	6	6/1/2012			0	0	0
		2012	7	7/1/2012			0	0	0
		2012	8	8/1/2012			0	0	0
		2012	9	9/1/2012			0	0	0
		2012	10	10/1/2012			0	0	0
		2012	11	11/1/2012			0	0	0
		2012	12	12/1/2012			0	0	0
		2013	1	1/1/2013			0	0	0
		2013	1	1/1/2013			0	0	0
		2013	2	2/1/2013			0	0	0
		2013	3	3/1/2013			0	0	0
		2013	4	4/1/2013			0	0	0
		2013	5	5/1/2013			0	0	0
		2013	6	6/1/2013			0	0	0
		2013	7	7/1/2013			0	0	0
		2013	8	8/1/2013			0	0	0
		2013	9	9/1/2013			0	0	0
		2013	10	10/1/2013			0	0	0
		2013	11	11/1/2013			0	0	0
		2013	12	12/1/2013			0	0	0
		2014	1	1/1/2014			0	0	0
		2014	2	2/1/2014			0	0	0
		2014	3	3/1/2014			0	0	0
		2014	4	4/1/2014			0	0	0
		2014	5	5/1/2014			0	0	0
		2014	6	6/1/2014			0	0	0
		2014	7	7/1/2014			0	0	0
		2014	8	8/1/2014			0	0	0
		2014	9	9/1/2014			0	0	0
		2014	10	10/1/2014			0	0	0
		2014	11	11/1/2014			0	0	0
		2014	12	12/1/2014			0	0	0
		2015	1	1/1/2015			0	0	0
		2015	2	2/1/2015			0	0	0
		2015	3	3/1/2015			0	0	0
		2015	4	4/1/2015			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2015	5	5/1/2015			0	0	0
		2015	6	6/1/2015			0	0	0
		2015	7	7/1/2015			0	0	0
		2015	8	8/1/2015			0	0	0
		2015	9	9/1/2015			0	0	0
		2015	10	10/1/2015			0	0	0
		2015	11	11/1/2015			0	0	0
		2015	12	12/1/2015			0	0	0
		2016	1	1/1/2016			0	0	0
		2016	2	2/1/2016			0	0	0
		2016	3	3/1/2016			0	0	0
		2016	4	4/1/2016			0	0	0
		2016	5	5/1/2016			0	0	0
		2016	6	6/1/2016			0	0	0
		2016	7	7/1/2016			0	0	0
		2016	8	8/1/2016			0	0	0
		2016	9	9/1/2016			0	0	0
		2016	10	10/1/2016			0	0	0
		2016	11	11/1/2016			0	0	0
		2016	12	12/1/2016			0	0	0
		2017	1	1/1/2017			0	0	0
		2017	2	2/1/2017			0	0	0
		2017	3	3/1/2017			0	0	0
		2017	4	4/1/2017			0	0	0
		2017	5	5/1/2017			0	0	0
		2017	6	6/1/2017			0	0	0
		2017	7	7/1/2017			0	0	0
		2017	8	8/1/2017			0	0	0
		2017	9	9/1/2017			0	0	0
		2017	10	10/1/2017			0	0	0
		2017	11	11/1/2017			0	0	0
		2017	12	12/1/2017			0	0	0
		2018	1	1/1/2018			0	0	0
		2018	2	2/1/2018			0	0	0
		2018	3	3/1/2018			0	0	0
		2018	4	4/1/2018			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2018	5	5/1/2018		0	0	0	0
		2018	6	6/1/2018		0	0	0	0
		2018	7	7/1/2018		0	0	0	0
		2018	8	8/1/2018		0	0	0	0
		2018	9	9/1/2018		0	0	0	0
		2018	10	10/1/2018		0	0	0	0
		2018	11	11/1/2018		0	0	0	0
		2018	12	12/1/2018		0	0	0	0
		2019	1	1/1/2019		0	0	0	0
		2019	2	2/1/2019		0	0	0	0
		2019	3	3/1/2019		0	0	0	0
		2019	4	4/1/2019		0	0	0	0
		2019	5	5/1/2019		0	0	0	0
		2019	6	6/1/2019		0	0	0	0
		2019	7	7/1/2019		0	0	0	0
		2019	8	8/1/2019		0	0	0	0
		2019	9	9/1/2019		0	0	0	0
		2019	10	10/1/2019		0	0	0	0
		2019	11	11/1/2019		0	0	0	0
		2019	12	12/1/2019		0	0	0	0
		2020	1	1/1/2020		0	0	0	0
		2020	2	2/1/2020		0	0	0	0
		2020	3	3/1/2020		0	0	0	0
		2020	4	4/1/2020		0	0	0	0
		2020	5	5/1/2020		0	0	0	0
		2020	6	6/1/2020		0	0	0	0
		2020	7	7/1/2020		0	0	0	0
		2020	8	8/1/2020		0	0	0	0
		2020	9	9/1/2020		0	0	0	0
		2020	10	10/1/2020		0	0	0	0
		2020	11	11/1/2020		0	0	0	0
		2020	12	12/1/2020		0	0	0	0
		2021	1	1/1/2021		0	0	0	0
		2021	2	2/1/2021		0	0	0	0
		2021	3	3/1/2021		0	0	0	0
		2021	4	4/1/2021		0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2021	5	5/1/2021		0	0	0	0
		2021	6	6/1/2021		0	0	0	0
		2021	7	7/1/2021		0	0	0	0
		2021	8	8/1/2021		0	0	0	0
		2021	9	9/1/2021		0	0	0	0
		2021	10	10/1/2021		0	0	0	0
		2021	11	11/1/2021		0	0	0	0
		2021	12	12/1/2021		0	0	0	0
		2022	1	1/1/2022		0	0	0	0
		2022	2	2/1/2022		0	0	0	0
		2022	3	3/1/2022		0	0	0	0
		2022	4	4/1/2022		0	0	0	0
		2022	5	5/1/2022		0	0	0	0
		2022	6	6/1/2022		0	0	0	0
		2022	7	7/1/2022		0	0	0	0
		2022	8	8/1/2022		0	0	0	0
		2022	9	9/1/2022		0	0	0	0
		2022	10	10/1/2022		0	0	0	0
		2022	11	11/1/2022		0	0	0	0
		2022	12	12/1/2022		0	0	0	0
		2023	1	1/1/2023		0	0	0	0
		2023	2	2/1/2023		0	0	0	0
		2023	3	3/1/2023		0	0	0	0
		2023	4	4/1/2023		0	0	0	0
		2023	5	5/1/2023		0	0	0	0
		2023	6	6/1/2023		0	0	0	0
		2023	7	7/1/2023		0	0	0	0
		2023	8	8/1/2023		0	0	0	0
		2023	9	9/1/2023		0	0	0	0
		2023	10	10/1/2023		0	0	0	0
		2023	11	11/1/2023		0	0	0	0
		2023	12	12/1/2023		0	0	0	0
		2024	1	1/1/2024		0	0	0	0
		2024	2	2/1/2024		0	0	0	0
		2024	3	3/1/2024		0	0	0	0
		2024	4	4/1/2024		0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2024	5	5/1/2024			0	0	0
		2024	6	6/1/2024			0	0	0
		2024	7	7/1/2024			0	0	0
		2024	8	8/1/2024			0	0	0
		2024	9	9/1/2024			0	0	0
		2024	10	10/1/2024			0	0	0
		2024	11	11/1/2024			0	0	0
		2024	12	12/1/2024			0	0	0
		2006	2	2/1/2006			0	0	0
		2006	3	3/1/2006			0	0	0
		2006	4	4/1/2006			0	0	0
		2006	5	5/1/2006			0	0	0
		2006	6	6/1/2006			0	0	0
		2006	7	7/1/2006			0	0	0
		2006	8	8/1/2006			0	0	0
		2006	9	9/1/2006			0	0	0
		2006	10	10/1/2006			0	0	0
		2006	11	11/1/2006			0	0	0
		2006	12	12/1/2006			0	0	0
		2007	1	1/1/2007			0	0	0
		2007	2	2/1/2007			0	0	0
		2007	3	3/1/2007			0	0	0
		2007	4	4/1/2007			0	0	0
		2007	5	5/1/2007			0	0	0
		2007	6	6/1/2007			0	0	0
		2007	7	7/1/2007			0	0	0
		2007	8	8/1/2007			0	0	0
		2007	9	9/1/2007			0	0	0
		2007	10	10/1/2007			0	0	0
		2007	11	11/1/2007			0	0	0
		2007	12	12/1/2007			0	0	0
		2008	1	1/1/2008			0	0	0
		2008	2	2/1/2008			0	0	0
		2008	3	3/1/2008			0	0	0
		2008	4	4/1/2008			0	0	0
		2008	5	5/1/2008			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2008	6	6/1/2008		0	0	0	0
		2008	7	7/1/2008		0	0	0	0
		2008	8	8/1/2008		0	0	0	0
		2008	9	9/1/2008		0	0	0	0
		2008	10	10/1/2008		0	0	0	0
		2008	11	11/1/2008		0	0	0	0
		2008	12	12/1/2008		0	0	0	0
		2009	1	1/1/2009		0	0	0	0
		2009	2	2/1/2009		0	0	0	0
		2009	3	3/1/2009		0	0	0	0
		2009	4	4/1/2009		0	0	0	0
		2009	5	5/1/2009		0	0	0	0
		2009	6	6/1/2009		0	0	0	0
		2009	7	7/1/2009		0	0	0	0
		2009	8	8/1/2009		0	0	0	0
		2009	9	9/1/2009		0	0	0	0
		2009	10	10/1/2009		0	0	0	0
		2009	11	11/1/2009		0	0	0	0
		2009	12	12/1/2009		0	0	0	0
		2010	1	1/1/2010		0	0	0	0
		2010	2	2/1/2010		0	0	0	0
		2010	3	3/1/2010		0	0	0	0
		2010	4	4/1/2010		0	0	0	0
		2010	5	5/1/2010		0	0	0	0
		2010	6	6/1/2010		0	0	0	0
		2010	7	7/1/2010		0	0	0	0
		2010	8	8/1/2010		0	0	0	0
		2010	9	9/1/2010		0	0	0	0
		2010	10	10/1/2010		0	0	0	0
		2010	11	11/1/2010		0	0	0	0
		2010	12	12/1/2010		0	0	0	0
		2011	1	1/1/2011		0	0	0	0
		2011	2	2/1/2011		0	0	0	0
		2011	3	3/1/2011		0	0	0	0
		2011	4	4/1/2011		0	0	0	0
		2011	5	5/1/2011		0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2011	6	6/1/2011			0	0	0
		2011	7	7/1/2011			0	0	0
		2011	8	8/1/2011			0	0	0
		2011	9	9/1/2011			0	0	0
		2011	10	10/1/2011			0	0	0
		2011	11	11/1/2011			0	0	0
		2011	12	12/1/2011			0	0	0
		2012	1	1/1/2012			0	0	0
		2012	2	2/1/2012			0	0	0
		2012	3	3/1/2012			0	0	0
		2012	4	4/1/2012			0	0	0
		2012	5	5/1/2012			0	0	0
		2012	6	6/1/2012			0	0	0
		2012	7	7/1/2012			0	0	0
		2012	8	8/1/2012			0	0	0
		2012	9	9/1/2012			0	0	0
		2012	10	10/1/2012			0	0	0
		2012	11	11/1/2012			0	0	0
		2012	12	12/1/2012			0	0	0
		2013	1	1/1/2013			0	0	0
		2013	2	2/1/2013			0	0	0
		2013	3	3/1/2013			0	0	0
		2013	4	4/1/2013			0	0	0
		2013	5	5/1/2013			0	0	0
		2013	6	6/1/2013			0	0	0
		2013	7	7/1/2013			0	0	0
		2013	8	8/1/2013			0	0	0
		2013	9	9/1/2013			0	0	0
		2013	10	10/1/2013			0	0	0
		2013	11	11/1/2013			0	0	0
		2013	12	12/1/2013			0	0	0
		2014	1	1/1/2014			0	0	0
		2014	2	2/1/2014			0	0	0
		2014	3	3/1/2014			0	0	0
		2014	4	4/1/2014			0	0	0
		2014	5	5/1/2014			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2014	6	6/1/2014			0	0	0
		2014	7	7/1/2014			0	0	0
		2014	8	8/1/2014			0	0	0
		2014	9	9/1/2014			0	0	0
		2014	10	10/1/2014			0	0	0
		2014	11	11/1/2014			0	0	0
		2014	12	12/1/2014			0	0	0
		2015	1	1/1/2015			0	0	0
		2015	2	2/1/2015			0	0	0
		2015	3	3/1/2015			0	0	0
		2015	4	4/1/2015			0	0	0
		2015	5	5/1/2015			0	0	0
		2015	6	6/1/2015			0	0	0
		2015	7	7/1/2015			0	0	0
		2015	8	8/1/2015			0	0	0
		2015	9	9/1/2015			0	0	0
		2015	10	10/1/2015			0	0	0
		2015	11	11/1/2015			0	0	0
		2015	12	12/1/2015			0	0	0
		2016	1	1/1/2016			0	0	0
		2016	2	2/1/2016			0	0	0
		2016	3	3/1/2016			0	0	0
		2016	4	4/1/2016			0	0	0
		2016	5	5/1/2016			0	0	0
		2016	6	6/1/2016			0	0	0
		2016	7	7/1/2016			0	0	0
		2016	8	8/1/2016			0	0	0
		2016	9	9/1/2016			0	0	0
		2016	10	10/1/2016			0	0	0
		2016	11	11/1/2016			0	0	0
		2016	12	12/1/2016			0	0	0
		2017	1	1/1/2017			0	0	0
		2017	2	2/1/2017			0	0	0
		2017	3	3/1/2017			0	0	0
		2017	4	4/1/2017			0	0	0
		2017	5	5/1/2017			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2017	6	6/1/2017			0	0	0
		2017	7	7/1/2017			0	0	0
		2017	8	8/1/2017			0	0	0
		2017	9	9/1/2017			0	0	0
		2017	10	10/1/2017			0	0	0
		2017	11	11/1/2017			0	0	0
		2017	12	12/1/2017			0	0	0
		2018	1	1/1/2018			0	0	0
		2018	2	2/1/2018			0	0	0
		2018	3	3/1/2018			0	0	0
		2018	4	4/1/2018			0	0	0
		2018	5	5/1/2018			0	0	0
		2018	6	6/1/2018			0	0	0
		2018	7	7/1/2018			0	0	0
		2018	8	8/1/2018			0	0	0
		2018	9	9/1/2018			0	0	0
		2018	10	10/1/2018			0	0	0
		2018	11	11/1/2018			0	0	0
		2018	12	12/1/2018			0	0	0
		2019	1	1/1/2019			0	0	0
		2019	2	2/1/2019			0	0	0
		2019	3	3/1/2019			0	0	0
		2019	4	4/1/2019			0	0	0
		2019	5	5/1/2019			0	0	0
		2019	6	6/1/2019			0	0	0
		2019	7	7/1/2019			0	0	0
		2019	8	8/1/2019			0	0	0
		2019	9	9/1/2019			0	0	0
		2019	10	10/1/2019			0	0	0
		2019	11	11/1/2019			0	0	0
		2019	12	12/1/2019			0	0	0
		2020	1	1/1/2020			0	0	0
		2020	2	2/1/2020			0	0	0
		2020	3	3/1/2020			0	0	0
		2020	4	4/1/2020			0	0	0
		2020	5	5/1/2020			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2020	6	6/1/2020			0	0	0
		2020	7	7/1/2020			0	0	0
		2020	8	8/1/2020			0	0	0
		2020	9	9/1/2020			0	0	0
		2020	10	10/1/2020			0	0	0
		2020	11	11/1/2020			0	0	0
		2020	12	12/1/2020			0	0	0
		2021	1	1/1/2021			0	0	0
		2021	2	2/1/2021			0	0	0
		2021	3	3/1/2021			0	0	0
		2021	4	4/1/2021			0	0	0
		2021	5	5/1/2021			0	0	0
		2021	6	6/1/2021			0	0	0
		2021	7	7/1/2021			0	0	0
		2021	8	8/1/2021			0	0	0
		2021	9	9/1/2021			0	0	0
		2021	10	10/1/2021			0	0	0
		2021	11	11/1/2021			0	0	0
		2021	12	12/1/2021			0	0	0
		2022	1	1/1/2022			0	0	0
		2022	2	2/1/2022			0	0	0
		2022	3	3/1/2022			0	0	0
		2022	4	4/1/2022			0	0	0
		2022	5	5/1/2022			0	0	0
		2022	6	6/1/2022			0	0	0
		2022	7	7/1/2022			0	0	0
		2022	8	8/1/2022			0	0	0
		2022	9	9/1/2022			0	0	0
		2022	10	10/1/2022			0	0	0
		2022	11	11/1/2022			0	0	0
		2022	12	12/1/2022			0	0	0
		2023	1	1/1/2023			0	0	0
		2023	2	2/1/2023			0	0	0
		2023	3	3/1/2023			0	0	0
		2023	4	4/1/2023			0	0	0
		2023	5	5/1/2023			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2023	6	6/1/2023			0	0	0
		2023	7	7/1/2023			0	0	0
		2023	8	8/1/2023			0	0	0
		2023	9	9/1/2023			0	0	0
		2023	10	10/1/2023			0	0	0
		2023	11	11/1/2023			0	0	0
		2023	12	12/1/2023			0	0	0
		2024	1	1/1/2024			0	0	0
		2024	2	2/1/2024			0	0	0
		2024	3	3/1/2024			0	0	0
		2024	4	4/1/2024			0	0	0
		2024	5	5/1/2024			0	0	0
		2024	6	6/1/2024			0	0	0
		2024	7	7/1/2024			0	0	0
		2024	8	8/1/2024			0	0	0
		2024	9	9/1/2024			0	0	0
		2024	10	10/1/2024			0	0	0
		2024	11	11/1/2024			0	0	0
		2024	12	12/1/2024			0	0	0
		2006	2	2/1/2006			0	0	0
		2006	3	3/1/2006			0	0	0
		2006	4	4/1/2006			0	0	0
		2006	5	5/1/2006			0	0	0
		2006	6	6/1/2006			0	0	0
		2006	7	7/1/2006			0	0	0
		2006	8	8/1/2006			0	0	0
		2006	9	9/1/2006			0	0	0
		2006	10	10/1/2006			0	0	0
		2006	11	11/1/2006			0	0	0
		2006	12	12/1/2006			0	0	0
		2007	1	1/1/2007			0	0	0
		2007	2	2/1/2007			0	0	0
		2007	3	3/1/2007			0	0	0
		2007	4	4/1/2007			0	0	0
		2007	5	5/1/2007			0	0	0
		2007	6	6/1/2007			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2007	7	7/1/2007			0	0	0
		2007	8	8/1/2007			0	0	0
		2007	9	9/1/2007			0	0	0
		2007	10	10/1/2007			0	0	0
		2007	11	11/1/2007			0	0	0
		2007	12	12/1/2007			0	0	0
		2008	1	1/1/2008			0	0	0
		2008	2	2/1/2008			0	0	0
		2008	3	3/1/2008			0	0	0
		2008	4	4/1/2008			0	0	0
		2008	5	5/1/2008			0	0	0
		2008	6	6/1/2008			0	0	0
		2008	7	7/1/2008			0	0	0
		2008	8	8/1/2008			0	0	0
		2008	9	9/1/2008			0	0	0
		2008	10	10/1/2008			0	0	0
		2008	11	11/1/2008			0	0	0
		2008	12	12/1/2008			0	0	0
		2009	1	1/1/2009			0	0	0
		2009	2	2/1/2009			0	0	0
		2009	3	3/1/2009			0	0	0
		2009	4	4/1/2009			0	0	0
		2009	5	5/1/2009			0	0	0
		2009	6	6/1/2009			0	0	0
		2009	7	7/1/2009			0	0	0
		2009	8	8/1/2009			0	0	0
		2009	9	9/1/2009			0	0	0
		2009	10	10/1/2009			0	0	0
		2009	11	11/1/2009			0	0	0
		2009	12	12/1/2009			0	0	0
		2010	1	1/1/2010			0	0	0
		2010	2	2/1/2010			0	0	0
		2010	3	3/1/2010			0	0	0
		2010	4	4/1/2010			0	0	0
		2010	5	5/1/2010			0	0	0
		2010	6	6/1/2010			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2010	7	7/1/2010			0	0	0
		2010	8	8/1/2010			0	0	0
		2010	9	9/1/2010			0	0	0
		2010	10	10/1/2010			0	0	0
		2010	11	11/1/2010			0	0	0
		2010	12	12/1/2010			0	0	0
		2011	1	1/1/2011			0	0	0
		2011	2	2/1/2011			0	0	0
		2011	3	3/1/2011			0	0	0
		2011	4	4/1/2011			0	0	0
		2011	5	5/1/2011			0	0	0
		2011	6	6/1/2011			0	0	0
		2011	7	7/1/2011			0	0	0
		2011	8	8/1/2011			0	0	0
		2011	9	9/1/2011			0	0	0
		2011	10	10/1/2011			0	0	0
		2011	11	11/1/2011			0	0	0
		2011	12	12/1/2011			0	0	0
		2012	1	1/1/2012			0	0	0
		2012	2	2/1/2012			0	0	0
		2012	3	3/1/2012			0	0	0
		2012	4	4/1/2012			0	0	0
		2012	5	5/1/2012			0	0	0
		2012	6	6/1/2012			0	0	0
		2012	7	7/1/2012			0	0	0
		2012	8	8/1/2012			0	0	0
		2012	9	9/1/2012			0	0	0
		2012	10	10/1/2012			0	0	0
		2012	11	11/1/2012			0	0	0
		2012	12	12/1/2012			0	0	0
		2013	1	1/1/2013			0	0	0
		2013	2	2/1/2013			0	0	0
		2013	3	3/1/2013			0	0	0
		2013	4	4/1/2013			0	0	0
		2013	5	5/1/2013			0	0	0
		2013	6	6/1/2013			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2013	7	7/1/2013			0	0	0
		2013	8	8/1/2013			0	0	0
		2013	9	9/1/2013			0	0	0
		2013	10	10/1/2013			0	0	0
		2013	11	11/1/2013			0	0	0
		2013	12	12/1/2013			0	0	0
		2014	1	1/1/2014			0	0	0
		2014	2	2/1/2014			0	0	0
		2014	3	3/1/2014			0	0	0
		2014	4	4/1/2014			0	0	0
		2014	5	5/1/2014			0	0	0
		2014	6	6/1/2014			0	0	0
		2014	7	7/1/2014			0	0	0
		2014	8	8/1/2014			0	0	0
		2014	9	9/1/2014			0	0	0
		2014	10	10/1/2014			0	0	0
		2014	11	11/1/2014			0	0	0
		2014	12	12/1/2014			0	0	0
		2015	1	1/1/2015			0	0	0
		2015	2	2/1/2015			0	0	0
		2015	3	3/1/2015			0	0	0
		2015	4	4/1/2015			0	0	0
		2015	5	5/1/2015			0	0	0
		2015	6	6/1/2015			0	0	0
		2015	7	7/1/2015			0	0	0
		2015	8	8/1/2015			0	0	0
		2015	9	9/1/2015			0	0	0
		2015	10	10/1/2015			0	0	0
		2015	11	11/1/2015			0	0	0
		2015	12	12/1/2015			0	0	0
		2016	1	1/1/2016			0	0	0
		2016	2	2/1/2016			0	0	0
		2016	3	3/1/2016			0	0	0
		2016	4	4/1/2016			0	0	0
		2016	5	5/1/2016			0	0	0
		2016	6	6/1/2016			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
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		2016	8	8/1/2016			0	0	0
		2016	9	9/1/2016			0	0	0
		2016	10	10/1/2016			0	0	0
		2016	11	11/1/2016			0	0	0
		2016	12	12/1/2016			0	0	0
		2017	1	1/1/2017			0	0	0
		2017	2	2/1/2017			0	0	0
		2017	3	3/1/2017			0	0	0
		2017	4	4/1/2017			0	0	0
		2017	5	5/1/2017			0	0	0
		2017	6	6/1/2017			0	0	0
		2017	7	7/1/2017			0	0	0
		2017	8	8/1/2017			0	0	0
		2017	9	9/1/2017			0	0	0
		2017	10	10/1/2017			0	0	0
		2017	11	11/1/2017			0	0	0
		2017	12	12/1/2017			0	0	0
		2018	1	1/1/2018			0	0	0
		2018	2	2/1/2018			0	0	0
		2018	3	3/1/2018			0	0	0
		2018	4	4/1/2018			0	0	0
		2018	5	5/1/2018			0	0	0
		2018	6	6/1/2018			0	0	0
		2018	7	7/1/2018			0	0	0
		2018	8	8/1/2018			0	0	0
		2018	9	9/1/2018			0	0	0
		2018	10	10/1/2018			0	0	0
		2018	11	11/1/2018			0	0	0
		2018	12	12/1/2018			0	0	0
		2019	1	1/1/2019			0	0	0
		2019	2	2/1/2019			0	0	0
		2019	3	3/1/2019			0	0	0
		2019	4	4/1/2019			0	0	0
		2019	5	5/1/2019			0	0	0
		2019	6	6/1/2019			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2019	7	7/1/2019			0	0	0
		2019	8	8/1/2019			0	0	0
		2019	9	9/1/2019			0	0	0
		2019	10	10/1/2019			0	0	0
		2019	11	11/1/2019			0	0	0
		2019	12	12/1/2019			0	0	0
		2020	1	1/1/2020			0	0	0
		2020	2	2/1/2020			0	0	0
		2020	3	3/1/2020			0	0	0
		2020	4	4/1/2020			0	0	0
		2020	5	5/1/2020			0	0	0
		2020	6	6/1/2020			0	0	0
		2020	7	7/1/2020			0	0	0
		2020	8	8/1/2020			0	0	0
		2020	9	9/1/2020			0	0	0
		2020	10	10/1/2020			0	0	0
		2020	11	11/1/2020			0	0	0
		2020	12	12/1/2020			0	0	0
		2021	1	1/1/2021			0	0	0
		2021	2	2/1/2021			0	0	0
		2021	3	3/1/2021			0	0	0
		2021	4	4/1/2021			0	0	0
		2021	5	5/1/2021			0	0	0
		2021	6	6/1/2021			0	0	0
		2021	7	7/1/2021			0	0	0
		2021	8	8/1/2021			0	0	0
		2021	9	9/1/2021			0	0	0
		2021	10	10/1/2021			0	0	0
		2021	11	11/1/2021			0	0	0
		2021	12	12/1/2021			0	0	0
		2022	1	1/1/2022			0	0	0
		2022	2	2/1/2022			0	0	0
		2022	3	3/1/2022			0	0	0
		2022	4	4/1/2022			0	0	0
		2022	5	5/1/2022			0	0	0
		2022	6	6/1/2022			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2022	7	7/1/2022		0	0	0	0
		2022	8	8/1/2022		0	0	0	0
		2022	9	9/1/2022		0	0	0	0
		2022	10	10/1/2022		0	0	0	0
		2022	11	11/1/2022		0	0	0	0
		2022	12	12/1/2022		0	0	0	0
		2023	1	1/1/2023		0	0	0	0
		2023	2	2/1/2023		0	0	0	0
		2023	3	3/1/2023		0	0	0	0
		2023	4	4/1/2023		0	0	0	0
		2023	5	5/1/2023		0	0	0	0
		2023	6	6/1/2023		0	0	0	0
		2023	7	7/1/2023		0	0	0	0
		2023	8	8/1/2023		0	0	0	0
		2023	9	9/1/2023		0	0	0	0
		2023	10	10/1/2023		0	0	0	0
		2023	11	11/1/2023		0	0	0	0
		2023	12	12/1/2023		0	0	0	0
		2024	1	1/1/2024		0	0	0	0
		2024	2	2/1/2024		0	0	0	0
		2024	3	3/1/2024		0	0	0	0
		2024	4	4/1/2024		0	0	0	0
		2024	5	5/1/2024		0	0	0	0
		2024	6	6/1/2024		0	0	0	0
		2024	7	7/1/2024		0	0	0	0
		2024	8	8/1/2024		0	0	0	0
		2024	9	9/1/2024		0	0	0	0
		2024	10	10/1/2024		0	0	0	0
		2024	11	11/1/2024		0	0	0	0
		2024	12	12/1/2024		0	0	0	0
		2000	1	1/1/2000		0	0	0	0
		2000	2	2/1/2000		0	0	0	0
		2000	3	3/1/2000		0	0	0	0
		2000	4	4/1/2000		0	0	0	0
		2000	5	5/1/2000		0	0	0	0
		2000	6	6/1/2000		0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2000	7	7/1/2000			0	0	0
		2000	8	8/1/2000			0	0	0
		2000	9	9/1/2000			0	0	0
		2000	10	10/1/2000			0	0	0
		2000	11	11/1/2000			0	0	0
		2000	12	12/1/2000			0	0	0
		2001	1	1/1/2001			0	0	0
		2001	2	2/1/2001			0	0	0
		2001	3	3/1/2001			0	0	0
		2001	4	4/1/2001			0	0	0
		2001	5	5/1/2001			0	0	0
		2001	6	6/1/2001			0	0	0
		2001	7	7/1/2001			0	0	0
		2001	8	8/1/2001			0	0	0
		2001	9	9/1/2001			0	-1	0
		2001	10	10/1/2001			0	0	0
		2001	11	11/1/2001			0	0	0
		2001	12	12/1/2001			0	0	0
		2002	1	1/1/2002			0	0	0
		2002	2	2/1/2002			0	0	0
		2002	3	3/1/2002			0	0	0
		2002	4	4/1/2002			0	0	0
		2002	5	5/1/2002			0	0	0
		2002	6	6/1/2002			0	0	0
		2002	7	7/1/2002			0	0	0
		2002	8	8/1/2002			0	0	0
		2002	9	9/1/2002			0	0	0
		2002	10	10/1/2002			0	0	0
		2002	11	11/1/2002			0	0	0
		2002	12	12/1/2002			0	0	0
		2003	1	1/1/2003			0	0	0
		2003	2	2/1/2003			0	0	0
		2003	3	3/1/2003			0	0	0
		2003	4	4/1/2003			0	0	0
		2003	5	5/1/2003			0	0	0
		2003	6	6/1/2003			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2006	7	7/1/2006		0	0	0	0
		2006	8	8/1/2006		0	0	0	0
		2006	9	9/1/2006		0	0	0	0
		2006	10	10/1/2006		0	0	0	0
		2006	11	11/1/2006		0	0	0	0
		2006	12	12/1/2006		0	0	0	0
		2007	1	1/1/2007		0	0	0	0
		2007	2	2/1/2007		0	0	0	0
		2007	3	3/1/2007		0	0	0	0
		2007	4	4/1/2007		0	0	0	0
		2007	5	5/1/2007		0	0	0	0
		2007	6	6/1/2007		0	0	0	0
		2007	7	7/1/2007		0	0	0	0
		2007	8	8/1/2007		0	0	0	0
		2007	9	9/1/2007		0	0	0	0
		2007	10	10/1/2007		0	0	0	0
		2007	11	11/1/2007		0	0	0	0
		2007	12	12/1/2007		0	0	0	0
		2008	1	1/1/2008		0	0	0	0
		2008	2	2/1/2008		0	0	0	0
		2008	3	3/1/2008		0	0	0	0
		2008	4	4/1/2008		0	0	0	0
		2008	5	5/1/2008		0	0	0	0
		2008	6	6/1/2008		0	0	0	0
		2008	7	7/1/2008		0	0	0	0
		2008	8	8/1/2008		0	0	0	0
		2008	9	9/1/2008		0	0	0	0
		2008	10	10/1/2008		0	0	0	0
		2008	11	11/1/2008		0	0	0	0
		2008	12	12/1/2008		0	0	0	0
		2009	1	1/1/2009		0	0	0	0
		2009	2	2/1/2009		0	0	0	0
		2009	3	3/1/2009		0	0	0	0
		2009	4	4/1/2009		0	0	0	0
		2009	5	5/1/2009		0	0	0	0
		2009	6	6/1/2009		0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2009	7	7/1/2009			0	0	0
		2009	8	8/1/2009			0	0	0
		2009	9	9/1/2009			0	0	0
		2009	10	10/1/2009			0	0	0
		2009	11	11/1/2009			0	0	0
		2009	12	12/1/2009			0	0	0
		2010	1	1/1/2010			0	0	0
		2010	2	2/1/2010			0	0	0
		2010	3	3/1/2010			0	0	0
		2010	4	4/1/2010			0	0	0
		2010	5	5/1/2010			0	0	0
		2010	6	6/1/2010			0	0	0
		2010	7	7/1/2010			0	0	0
		2010	8	8/1/2010			0	0	0
		2010	9	9/1/2010			0	0	0
		2010	10	10/1/2010			0	0	0
		2010	11	11/1/2010			0	0	0
		2010	12	12/1/2010			0	0	0
		2011	1	1/1/2011			0	0	0
		2011	2	2/1/2011			0	0	0
		2011	3	3/1/2011			0	0	0
		2011	4	4/1/2011			0	0	0
		2011	5	5/1/2011			0	0	0
		2011	6	6/1/2011			0	0	0
		2011	7	7/1/2011			0	0	0
		2011	8	8/1/2011			0	0	0
		2011	9	9/1/2011			0	0	0
		2011	10	10/1/2011			0	0	0
		2011	11	11/1/2011			0	0	0
		2011	12	12/1/2011			0	0	0
		2012	1	1/1/2012			0	0	0
		2012	2	2/1/2012			0	0	0
		2012	3	3/1/2012			0	0	0
		2012	4	4/1/2012			0	0	0
		2012	5	5/1/2012			0	0	0
		2012	6	6/1/2012			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2012	7	7/1/2012			0	0	0
		2012	8	8/1/2012			0	0	0
		2012	9	9/1/2012			0	0	0
		2012	10	10/1/2012			0	0	0
		2012	11	11/1/2012			0	0	0
		2012	12	12/1/2012			0	0	0
		2013	1	1/1/2013			0	0	0
		2013	2	2/1/2013			0	0	0
		2013	3	3/1/2013			0	0	0
		2013	4	4/1/2013			0	0	0
		2013	5	5/1/2013			0	0	0
		2013	6	6/1/2013			0	0	0
		2013	7	7/1/2013			0	0	0
		2013	8	8/1/2013			0	0	0
		2013	9	9/1/2013			0	0	0
		2013	10	10/1/2013			0	0	0
		2013	11	11/1/2013			0	0	0
		2013	12	12/1/2013			0	0	0
		2014	1	1/1/2014			0	0	0
		2014	2	2/1/2014			0	0	0
		2014	3	3/1/2014			0	0	0
		2014	4	4/1/2014			0	0	0
		2014	5	5/1/2014			0	0	0
		2014	6	6/1/2014			0	0	0
		2014	7	7/1/2014			0	0	0
		2014	8	8/1/2014			0	0	0
		2014	9	9/1/2014			0	0	0
		2014	10	10/1/2014			0	0	0
		2014	11	11/1/2014			0	0	0
		2014	12	12/1/2014			0	0	0
		2015	1	1/1/2015			0	0	0
		2015	2	2/1/2015			0	0	0
		2015	3	3/1/2015			0	0	0
		2015	4	4/1/2015			0	0	0
		2015	5	5/1/2015			0	0	0
		2015	6	6/1/2015			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2015	7	7/1/2015			0	0	0
		2015	8	8/1/2015			0	0	0
		2015	9	9/1/2015			0	0	0
		2015	10	10/1/2015			0	0	0
		2015	11	11/1/2015			0	0	0
		2015	12	12/1/2015			0	0	0
		2016	1	1/1/2016			0	0	0
		2016	2	2/1/2016			0	0	0
		2016	3	3/1/2016			0	0	0
		2016	4	4/1/2016			0	0	0
		2016	5	5/1/2016			0	0	0
		2016	6	6/1/2016			0	0	0
		2016	7	7/1/2016			0	0	0
		2016	8	8/1/2016			0	0	0
		2016	9	9/1/2016			0	0	0
		2016	10	10/1/2016			0	0	0
		2016	11	11/1/2016			0	0	0
		2016	12	12/1/2016			0	0	0
		2017	1	1/1/2017			0	0	0
		2017	2	2/1/2017			0	0	0
		2017	3	3/1/2017			0	0	0
		2017	4	4/1/2017			0	0	0
		2017	5	5/1/2017			0	0	0
		2017	6	6/1/2017			0	0	0
		2017	7	7/1/2017			0	0	0
		2017	8	8/1/2017			0	0	0
		2017	9	9/1/2017			0	0	0
		2017	10	10/1/2017			0	0	0
		2017	11	11/1/2017			0	0	0
		2017	12	12/1/2017			0	0	0
		2018	1	1/1/2018			0	0	0
		2018	2	2/1/2018			0	0	0
		2018	3	3/1/2018			0	0	0
		2018	4	4/1/2018			0	0	0
		2018	5	5/1/2018			0	0	0
		2018	6	6/1/2018			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2018	7	7/1/2018			0	0	0
		2018	8	8/1/2018			0	0	0
		2018	9	9/1/2018			0	0	0
		2018	10	10/1/2018			0	0	0
		2018	11	11/1/2018			0	0	0
		2018	12	12/1/2018			0	0	0
		2019	1	1/1/2019			0	0	0
		2019	2	2/1/2019			0	0	0
		2019	3	3/1/2019			0	0	0
		2019	4	4/1/2019			0	0	0
		2019	5	5/1/2019			0	0	0
		2019	6	6/1/2019			0	0	0
		2019	7	7/1/2019			0	0	0
		2019	8	8/1/2019			0	0	0
		2019	9	9/1/2019			0	0	0
		2019	10	10/1/2019			0	0	0
		2019	11	11/1/2019			0	0	0
		2019	12	12/1/2019			0	0	0
		2020	1	1/1/2020			0	0	0
		2020	2	2/1/2020			0	0	0
		2020	3	3/1/2020			0	0	0
		2020	4	4/1/2020			0	0	0
		2020	5	5/1/2020			0	0	0
		2020	6	6/1/2020			0	0	0
		2020	7	7/1/2020			0	0	0
		2020	8	8/1/2020			0	0	0
		2020	9	9/1/2020			0	0	0
		2020	10	10/1/2020			0	0	0
		2020	11	11/1/2020			0	0	0
		2020	12	12/1/2020			0	0	0
		2021	1	1/1/2021			0	0	0
		2021	2	2/1/2021			0	0	0
		2021	3	3/1/2021			0	0	0
		2021	4	4/1/2021			0	0	0
		2021	5	5/1/2021			0	0	0
		2021	6	6/1/2021			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2021	7	7/1/2021		0	0	0	0
		2021	8	8/1/2021		0	0	0	0
		2021	9	9/1/2021		0	0	0	0
		2021	10	10/1/2021		0	0	0	0
		2021	11	11/1/2021		0	0	0	0
		2021	12	12/1/2021		0	0	0	0
		2022	1	1/1/2022		0	0	0	0
		2022	2	2/1/2022		0	0	0	0
		2022	3	3/1/2022		0	0	0	0
		2022	4	4/1/2022		0	0	0	0
		2022	5	5/1/2022		0	0	0	0
		2022	6	6/1/2022		0	0	0	0
		2022	7	7/1/2022		0	0	0	0
		2022	8	8/1/2022		0	0	0	0
		2022	9	9/1/2022		0	0	0	0
		2022	10	10/1/2022		0	0	0	0
		2022	11	11/1/2022		0	0	0	0
		2022	12	12/1/2022		0	0	0	0
		2023	1	1/1/2023		0	0	0	0
		2023	2	2/1/2023		0	0	0	0
		2023	3	3/1/2023		0	0	0	0
		2023	4	4/1/2023		0	0	0	0
		2023	5	5/1/2023		0	0	0	0
		2023	6	6/1/2023		0	0	0	0
		2023	7	7/1/2023		0	0	0	0
		2023	8	8/1/2023		0	0	0	0
		2023	9	9/1/2023		0	0	0	0
		2023	10	10/1/2023		0	0	0	0
		2023	11	11/1/2023		0	0	0	0
		2023	12	12/1/2023		0	0	0	0
		2024	1	1/1/2024		0	0	0	0
		2024	2	2/1/2024		0	0	0	0
		2024	3	3/1/2024		0	0	0	0
		2024	4	4/1/2024		0	0	0	0
		2024	5	5/1/2024		0	0	0	0
		2024	6	6/1/2024		0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2006	7	7/1/2006			0	0	0
		2006	8	8/1/2006			0	0	0
		2006	9	9/1/2006			0	0	0
		2006	10	10/1/2006			0	0	0
		2006	11	11/1/2006			0	0	0
		2006	12	12/1/2006			0	0	0
		2007	1	1/1/2007			0	0	0
		2007	2	2/1/2007			0	0	0
		2007	3	3/1/2007			0	0	0
		2007	4	4/1/2007			0	0	0
		2007	5	5/1/2007			0	0	0
		2007	6	6/1/2007			0	0	0
		2007	7	7/1/2007			0	0	0
		2007	8	8/1/2007			0	0	0
		2007	9	9/1/2007			0	0	0
		2007	10	10/1/2007			0	0	0
		2007	11	11/1/2007			0	0	0
		2007	12	12/1/2007			0	0	0
		2008	1	1/1/2008			0	0	0
		2008	2	2/1/2008			0	0	0
		2008	3	3/1/2008			0	0	0
		2008	4	4/1/2008			0	0	0
		2008	5	5/1/2008			0	0	0
		2008	6	6/1/2008			0	0	0
		2008	7	7/1/2008			0	0	0
		2008	8	8/1/2008			0	0	0
		2008	9	9/1/2008			0	0	0
		2008	10	10/1/2008			0	0	0
		2008	11	11/1/2008			0	0	0
		2008	12	12/1/2008			0	0	0
		2009	1	1/1/2009			0	0	0
		2009	2	2/1/2009			0	0	0
		2009	3	3/1/2009			0	0	0
		2009	4	4/1/2009			0	0	0
		2009	5	5/1/2009			0	0	0
		2009	6	6/1/2009			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2009	7	7/1/2009			0	0	0
		2009	8	8/1/2009			0	0	0
		2009	9	9/1/2009			0	0	0
		2009	10	10/1/2009			0	0	0
		2009	11	11/1/2009			0	0	0
		2009	12	12/1/2009			0	0	0
		2010	1	1/1/2010			0	0	0
		2010	2	2/1/2010			0	0	0
		2010	3	3/1/2010			0	0	0
		2010	4	4/1/2010			0	0	0
		2010	5	5/1/2010			0	0	0
		2010	6	6/1/2010			0	0	0
		2010	7	7/1/2010			0	0	0
		2010	8	8/1/2010			0	0	0
		2010	9	9/1/2010			0	0	0
		2010	10	10/1/2010			0	0	0
		2010	11	11/1/2010			0	0	0
		2010	12	12/1/2010			0	0	0
		2011	1	1/1/2011			0	0	0
		2011	2	2/1/2011			0	0	0
		2011	3	3/1/2011			0	0	0
		2011	4	4/1/2011			0	0	0
		2011	5	5/1/2011			0	0	0
		2011	6	6/1/2011			0	0	0
		2011	7	7/1/2011			0	0	0
		2011	8	8/1/2011			0	0	0
		2011	9	9/1/2011			0	0	0
		2011	10	10/1/2011			0	0	0
		2011	11	11/1/2011			0	0	0
		2011	12	12/1/2011			0	0	0
		2012	1	1/1/2012			0	0	0
		2012	2	2/1/2012			0	0	0
		2012	3	3/1/2012			0	0	0
		2012	4	4/1/2012			0	0	0
		2012	5	5/1/2012			0	0	0
		2012	6	6/1/2012			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2012	7	7/1/2012			0	0	0
		2012	8	8/1/2012			0	0	0
		2012	9	9/1/2012			0	0	0
		2012	10	10/1/2012			0	0	0
		2012	11	11/1/2012			0	0	0
		2012	12	12/1/2012			0	0	0
		2013	1	1/1/2013			0	0	0
		2013	2	2/1/2013			0	0	0
		2013	3	3/1/2013			0	0	0
		2013	4	4/1/2013			0	0	0
		2013	5	5/1/2013			0	0	0
		2013	6	6/1/2013			0	0	0
		2013	7	7/1/2013			0	0	0
		2013	8	8/1/2013			0	0	0
		2013	9	9/1/2013			0	0	0
		2013	10	10/1/2013			0	0	0
		2013	11	11/1/2013			0	0	0
		2013	12	12/1/2013			0	0	0
		2014	1	1/1/2014			0	0	0
		2014	2	2/1/2014			0	0	0
		2014	3	3/1/2014			0	0	0
		2014	4	4/1/2014			0	0	0
		2014	5	5/1/2014			0	0	0
		2014	6	6/1/2014			0	0	0
		2014	7	7/1/2014			0	0	0
		2014	8	8/1/2014			0	0	0
		2014	9	9/1/2014			0	0	0
		2014	10	10/1/2014			0	0	0
		2014	11	11/1/2014			0	0	0
		2014	12	12/1/2014			0	0	0
		2015	1	1/1/2015			0	0	0
		2015	2	2/1/2015			0	0	0
		2015	3	3/1/2015			0	0	0
		2015	4	4/1/2015			0	0	0
		2015	5	5/1/2015			0	0	0
		2015	6	6/1/2015			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2015	7	7/1/2015			0	0	0
		2015	8	8/1/2015			0	0	0
		2015	9	9/1/2015			0	0	0
		2015	10	10/1/2015			0	0	0
		2015	11	11/1/2015			0	0	0
		2015	12	12/1/2015			0	0	0
		2016	1	1/1/2016			0	0	0
		2016	2	2/1/2016			0	0	0
		2016	3	3/1/2016			0	0	0
		2016	4	4/1/2016			0	0	0
		2016	5	5/1/2016			0	0	0
		2016	6	6/1/2016			0	0	0
		2016	7	7/1/2016			0	0	0
		2016	8	8/1/2016			0	0	0
		2016	9	9/1/2016			0	0	0
		2016	10	10/1/2016			0	0	0
		2016	11	11/1/2016			0	0	0
		2016	12	12/1/2016			0	0	0
		2017	1	1/1/2017			0	0	0
		2017	2	2/1/2017			0	0	0
		2017	3	3/1/2017			0	0	0
		2017	4	4/1/2017			0	0	0
		2017	5	5/1/2017			0	0	0
		2017	6	6/1/2017			0	0	0
		2017	7	7/1/2017			0	0	0
		2017	8	8/1/2017			0	0	0
		2017	9	9/1/2017			0	0	0
		2017	10	10/1/2017			0	0	0
		2017	11	11/1/2017			0	0	0
		2017	12	12/1/2017			0	0	0
		2018	1	1/1/2018			0	0	0
		2018	2	2/1/2018			0	0	0
		2018	3	3/1/2018			0	0	0
		2018	4	4/1/2018			0	0	0
		2018	5	5/1/2018			0	0	0
		2018	6	6/1/2018			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2018	7	7/1/2018			0	0	0
		2018	8	8/1/2018			0	0	0
		2018	9	9/1/2018			0	0	0
		2018	10	10/1/2018			0	0	0
		2018	11	11/1/2018			0	0	0
		2018	12	12/1/2018			0	0	0
		2019	1	1/1/2019			0	0	0
		2019	2	2/1/2019			0	0	0
		2019	3	3/1/2019			0	0	0
		2019	4	4/1/2019			0	0	0
		2019	5	5/1/2019			0	0	0
		2019	6	6/1/2019			0	0	0
		2019	7	7/1/2019			0	0	0
		2019	8	8/1/2019			0	0	0
		2019	9	9/1/2019			0	0	0
		2019	10	10/1/2019			0	0	0
		2019	11	11/1/2019			0	0	0
		2019	12	12/1/2019			0	0	0
		2020	1	1/1/2020			0	0	0
		2020	2	2/1/2020			0	0	0
		2020	3	3/1/2020			0	0	0
		2020	4	4/1/2020			0	0	0
		2020	5	5/1/2020			0	0	0
		2020	6	6/1/2020			0	0	0
		2020	7	7/1/2020			0	0	0
		2020	8	8/1/2020			0	0	0
		2020	9	9/1/2020			0	0	0
		2020	10	10/1/2020			0	0	0
		2020	11	11/1/2020			0	0	0
		2020	12	12/1/2020			0	0	0
		2021	1	1/1/2021			0	0	0
		2021	2	2/1/2021			0	0	0
		2021	3	3/1/2021			0	0	0
		2021	4	4/1/2021			0	0	0
		2021	5	5/1/2021			0	0	0
		2021	6	6/1/2021			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2021	7	7/1/2021		0	0	0	0
		2021	8	8/1/2021		0	0	0	0
		2021	9	9/1/2021		0	0	0	0
		2021	10	10/1/2021		0	0	0	0
		2021	11	11/1/2021		0	0	0	0
		2021	12	12/1/2021		0	0	0	0
		2022	1	1/1/2022		0	0	0	0
		2022	2	2/1/2022		0	0	0	0
		2022	3	3/1/2022		0	0	0	0
		2022	4	4/1/2022		0	0	0	0
		2022	5	5/1/2022		0	0	0	0
		2022	6	6/1/2022		0	0	0	0
		2022	7	7/1/2022		0	0	0	0
		2022	8	8/1/2022		0	0	0	0
		2022	9	9/1/2022		0	0	0	0
		2022	10	10/1/2022		0	0	0	0
		2022	11	11/1/2022		0	0	0	0
		2022	12	12/1/2022		0	0	0	0
		2023	1	1/1/2023		0	0	0	0
		2023	2	2/1/2023		0	0	0	0
		2023	3	3/1/2023		0	0	0	0
		2023	4	4/1/2023		0	0	0	0
		2023	5	5/1/2023		0	0	0	0
		2023	6	6/1/2023		0	0	0	0
		2023	7	7/1/2023		0	0	0	0
		2023	8	8/1/2023		0	0	0	0
		2023	9	9/1/2023		0	0	0	0
		2023	10	10/1/2023		0	0	0	0
		2023	11	11/1/2023		0	0	0	0
		2023	12	12/1/2023		0	0	0	0
		2024	1	1/1/2024		0	0	0	0
		2024	2	2/1/2024		0	0	0	0
		2024	3	3/1/2024		0	0	0	0
		2024	4	4/1/2024		0	0	0	0
		2024	5	5/1/2024		0	0	0	0
		2024	6	6/1/2024		0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2024	7	7/1/2024			0	0	0
		2024	8	8/1/2024			0	0	0
		2024	9	9/1/2024			0	0	0
		2024	10	10/1/2024			0	0	0
		2024	11	11/1/2024			0	0	0
		2024	12	12/1/2024			0	0	0
		1996	1	1/1/1996			0	0	0
		1996	2	2/1/1996			0	0	0
		1996	3	3/1/1996			0	0	0
		1996	4	4/1/1996			0	0	0
		1999	1	1/1/1999			0	0	0
		1999	2	2/1/1999			0	0	0
		1999	3	3/1/1999			0	0	0
		1999	4	4/1/1999			0	0	0
		1999	5	5/1/1999			0	0	0
		1999	6	6/1/1999			0	0	0
		1999	7	7/1/1999			0	0	0
		1999	8	8/1/1999			0	0	0
		1999	9	9/1/1999			0	0	0
		1999	10	10/1/1999			0	0	0
		1999	11	11/1/1999			0	0	0
		1999	12	12/1/1999			1	0	0
		2000	1	1/1/2000			0	0	0
		2000	2	2/1/2000			0	0	0
		2000	3	3/1/2000			0	0	0
		2000	4	4/1/2000			0	0	0
		2000	5	5/1/2000			0	0	0
		2000	6	6/1/2000			0	0	0
		2000	7	7/1/2000			0	0	0
		2000	8	8/1/2000			0	0	0
		2000	9	9/1/2000			0	0	0
		2000	10	10/1/2000			0	0	0
		2000	11	11/1/2000			0	0	0
		2000	12	12/1/2000			0	0	0
		2001	1	1/1/2001			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2001	2	2/1/2001			0	0	0
		2001	3	3/1/2001			0	0	0
		2001	4	4/1/2001			0	0	0
		2001	5	5/1/2001			0	0	0
		2001	6	6/1/2001			0	0	0
		2001	7	7/1/2001			0	0	0
		2001	8	8/1/2001			0	0	0
		2001	9	9/1/2001			0	-1	0
		2001	10	10/1/2001			0	0	0
		2001	11	11/1/2001			0	0	0
		2001	12	12/1/2001			0	0	0
		2002	1	1/1/2002			0	0	0
		2002	2	2/1/2002			0	0	0
		2002	3	3/1/2002			0	0	0
		2002	4	4/1/2002			0	0	0
		2002	5	5/1/2002			0	0	0
		2002	6	6/1/2002			0	0	0
		2002	7	7/1/2002			0	0	0
		2002	8	8/1/2002			0	0	0
		2002	9	9/1/2002			0	0	0
		2002	10	10/1/2002			0	0	0
		2002	11	11/1/2002			0	0	0
		2002	12	12/1/2002			0	0	0
		2003	1	1/1/2003			0	0	0
		2003	2	2/1/2003			0	0	0
		2003	3	3/1/2003			0	0	0
		2003	4	4/1/2003			0	0	0
		2003	5	5/1/2003			0	0	0
		2003	6	6/1/2003			0	0	0
		2003	7	7/1/2003			0	0	0
		2003	8	8/1/2003			0	0	0
		2003	9	9/1/2003			0	0	0
		2003	10	10/1/2003			0	0	0
		2003	11	11/1/2003			0	0	0
		2003	12	12/1/2003			0	0	0
		2004	1	1/1/2004			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2004	2	2/1/2004			0	0	0
		2004	3	3/1/2004			0	0	0
		2004	4	4/1/2004			0	0	0
		2004	5	5/1/2004			0	0	0
		2004	6	6/1/2004			0	0	0
		2004	7	7/1/2004			0	0	0
		2004	8	8/1/2004			0	0	0
		2004	9	9/1/2004			0	0	0
		2004	10	10/1/2004			0	0	0
		2004	11	11/1/2004			0	0	0
		2004	12	12/1/2004			0	0	0
		2005	1	1/1/2005			0	0	0
		2005	2	2/1/2005			0	0	0
		2005	3	3/1/2005			0	0	0
		2005	4	4/1/2005			0	0	0
		2005	5	5/1/2005			0	0	0
		2005	6	6/1/2005			0	0	0
		2005	7	7/1/2005			0	0	0
		2005	8	8/1/2005			0	0	0
		2005	9	9/1/2005			0	0	0
		2005	10	10/1/2005			0	0	0
		2005	11	11/1/2005			0	0	0
		2005	12	12/1/2005			0	0	0
		2006	1	1/1/2006			0	0	0
		2006	2	2/1/2006			0	0	0
		2006	3	3/1/2006			0	0	0
		2006	4	4/1/2006			0	0	0
		2006	5	5/1/2006			0	0	0
		2006	6	6/1/2006			0	0	0
		2006	7	7/1/2006			0	0	0
		2006	8	8/1/2006			0	0	0
		2006	9	9/1/2006			0	0	0
		2006	10	10/1/2006			0	0	0
		2006	11	11/1/2006			0	0	0
		2006	12	12/1/2006			0	0	0
		2007	1	1/1/2007			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2007	2	2/1/2007			0	0	0
		2007	3	3/1/2007			0	0	0
		2007	4	4/1/2007			0	0	0
		2007	5	5/1/2007			0	0	0
		2007	6	6/1/2007			0	0	0
		2007	7	7/1/2007			0	0	0
		2007	8	8/1/2007			0	0	0
		2007	9	9/1/2007			0	0	0
		2007	10	10/1/2007			0	0	0
		2007	11	11/1/2007			0	0	0
		2007	12	12/1/2007			0	0	0
		2008	1	1/1/2008			0	0	0
		2008	2	2/1/2008			0	0	0
		2008	3	3/1/2008			0	0	0
		2008	4	4/1/2008			0	0	0
		2008	5	5/1/2008			0	0	0
		2008	6	6/1/2008			0	0	0
		2008	7	7/1/2008			0	0	0
		2008	8	8/1/2008			0	0	0
		2008	9	9/1/2008			0	0	0
		2008	10	10/1/2008			0	0	0
		2008	11	11/1/2008			0	0	0
		2008	12	12/1/2008			0	0	0
		2009	1	1/1/2009			0	0	0
		2009	2	2/1/2009			0	0	0
		2009	3	3/1/2009			0	0	0
		2009	4	4/1/2009			0	0	0
		2009	5	5/1/2009			0	0	0
		2009	6	6/1/2009			0	0	0
		2009	7	7/1/2009			0	0	0
		2009	8	8/1/2009			0	0	0
		2009	9	9/1/2009			0	0	0
		2009	10	10/1/2009			0	0	0
		2009	11	11/1/2009			0	0	0
		2009	12	12/1/2009			0	0	0
		2010	1	1/1/2010			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2010	2	2/1/2010		0	0	0	0
		2010	3	3/1/2010		0	0	0	0
		2010	4	4/1/2010		0	0	0	0
		2010	5	5/1/2010		0	0	0	0
		2010	6	6/1/2010		0	0	0	0
		2010	7	7/1/2010		0	0	0	0
		2010	8	8/1/2010		0	0	0	0
		2010	9	9/1/2010		0	0	0	0
		2010	10	10/1/2010		0	0	0	0
		2010	11	11/1/2010		0	0	0	0
		2010	12	12/1/2010		0	0	0	0
		2011	1	1/1/2011		0	0	0	0
		2011	2	2/1/2011		0	0	0	0
		2011	3	3/1/2011		0	0	0	0
		2011	4	4/1/2011		0	0	0	0
		2011	5	5/1/2011		0	0	0	0
		2011	6	6/1/2011		0	0	0	0
		2011	7	7/1/2011		0	0	0	0
		2011	8	8/1/2011		0	0	0	0
		2011	9	9/1/2011		0	0	0	0
		2011	10	10/1/2011		0	0	0	0
		2011	11	11/1/2011		0	0	0	0
		2011	12	12/1/2011		0	0	0	0
		2012	1	1/1/2012		0	0	0	0
		2012	2	2/1/2012		0	0	0	0
		2012	3	3/1/2012		0	0	0	0
		2012	4	4/1/2012		0	0	0	0
		2012	5	5/1/2012		0	0	0	0
		2012	6	6/1/2012		0	0	0	0
		2012	7	7/1/2012		0	0	0	0
		2012	8	8/1/2012		0	0	0	0
		2012	9	9/1/2012		0	0	0	0
		2012	10	10/1/2012		0	0	0	0
		2012	11	11/1/2012		0	0	0	0
		2012	12	12/1/2012		0	0	0	0
		2013	1	1/1/2013		0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2013	2	2/1/2013			0	0	0
		2013	3	3/1/2013			0	0	0
		2013	4	4/1/2013			0	0	0
		2013	5	5/1/2013			0	0	0
		2013	6	6/1/2013			0	0	0
		2013	7	7/1/2013			0	0	0
		2013	8	8/1/2013			0	0	0
		2013	9	9/1/2013			0	0	0
		2013	10	10/1/2013			0	0	0
		2013	11	11/1/2013			0	0	0
		2013	12	12/1/2013			0	0	0
		2014	1	1/1/2014			0	0	0
		2014	2	2/1/2014			0	0	0
		2014	3	3/1/2014			0	0	0
		2014	4	4/1/2014			0	0	0
		2014	5	5/1/2014			0	0	0
		2014	6	6/1/2014			0	0	0
		2014	7	7/1/2014			0	0	0
		2014	8	8/1/2014			0	0	0
		2014	9	9/1/2014			0	0	0
		2014	10	10/1/2014			0	0	0
		2014	11	11/1/2014			0	0	0
		2014	12	12/1/2014			0	0	0
		2015	1	1/1/2015			0	0	0
		2015	2	2/1/2015			0	0	0
		2015	3	3/1/2015			0	0	0
		2015	4	4/1/2015			0	0	0
		2015	5	5/1/2015			0	0	0
		2015	6	6/1/2015			0	0	0
		2015	7	7/1/2015			0	0	0
		2015	8	8/1/2015			0	0	0
		2015	9	9/1/2015			0	0	0
		2015	10	10/1/2015			0	0	0
		2015	11	11/1/2015			0	0	0
		2015	12	12/1/2015			0	0	0
		2016	1	1/1/2016			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2016	2	2/1/2016			0	0	0
		2016	3	3/1/2016			0	0	0
		2016	4	4/1/2016			0	0	0
		2016	5	5/1/2016			0	0	0
		2016	6	6/1/2016			0	0	0
		2016	7	7/1/2016			0	0	0
		2016	8	8/1/2016			0	0	0
		2016	9	9/1/2016			0	0	0
		2016	10	10/1/2016			0	0	0
		2016	11	11/1/2016			0	0	0
		2016	12	12/1/2016			0	0	0
		2017	1	1/1/2017			0	0	0
		2017	2	2/1/2017			0	0	0
		2017	3	3/1/2017			0	0	0
		2017	4	4/1/2017			0	0	0
		2017	5	5/1/2017			0	0	0
		2017	6	6/1/2017			0	0	0
		2017	7	7/1/2017			0	0	0
		2017	8	8/1/2017			0	0	0
		2017	9	9/1/2017			0	0	0
		2017	10	10/1/2017			0	0	0
		2017	11	11/1/2017			0	0	0
		2017	12	12/1/2017			0	0	0
		2018	1	1/1/2018			0	0	0
		2018	2	2/1/2018			0	0	0
		2018	3	3/1/2018			0	0	0
		2018	4	4/1/2018			0	0	0
		2018	5	5/1/2018			0	0	0
		2018	6	6/1/2018			0	0	0
		2018	7	7/1/2018			0	0	0
		2018	8	8/1/2018			0	0	0
		2018	9	9/1/2018			0	0	0
		2018	10	10/1/2018			0	0	0
		2018	11	11/1/2018			0	0	0
		2018	12	12/1/2018			0	0	0
		2019	1	1/1/2019			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2019	2	2/1/2019			0	0	0
		2019	3	3/1/2019			0	0	0
		2019	4	4/1/2019			0	0	0
		2019	5	5/1/2019			0	0	0
		2019	6	6/1/2019			0	0	0
		2019	7	7/1/2019			0	0	0
		2019	8	8/1/2019			0	0	0
		2019	9	9/1/2019			0	0	0
		2019	10	10/1/2019			0	0	0
		2019	11	11/1/2019			0	0	0
		2019	12	12/1/2019			0	0	0
		2020	1	1/1/2020			0	0	0
		2020	2	2/1/2020			0	0	0
		2020	3	3/1/2020			0	0	0
		2020	4	4/1/2020			0	0	0
		2020	5	5/1/2020			0	0	0
		2020	6	6/1/2020			0	0	0
		2020	7	7/1/2020			0	0	0
		2020	8	8/1/2020			0	0	0
		2020	9	9/1/2020			0	0	0
		2020	10	10/1/2020			0	0	0
		2020	11	11/1/2020			0	0	0
		2020	12	12/1/2020			0	0	0
		2021	1	1/1/2021			0	0	0
		2021	2	2/1/2021			0	0	0
		2021	3	3/1/2021			0	0	0
		2021	4	4/1/2021			0	0	0
		2021	5	5/1/2021			0	0	0
		2021	6	6/1/2021			0	0	0
		2021	7	7/1/2021			0	0	0
		2021	8	8/1/2021			0	0	0
		2021	9	9/1/2021			0	0	0
		2021	10	10/1/2021			0	0	0
		2021	11	11/1/2021			0	0	0
		2021	12	12/1/2021			0	0	0
		2022	1	1/1/2022			0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
		2022	2	2/1/2022		0	0	0	0
		2022	3	3/1/2022		0	0	0	0
		2022	4	4/1/2022		0	0	0	0
		2022	5	5/1/2022		0	0	0	0
		2022	6	6/1/2022		0	0	0	0
		2022	7	7/1/2022		0	0	0	0
		2022	8	8/1/2022		0	0	0	0
		2022	9	9/1/2022		0	0	0	0
		2022	10	10/1/2022		0	0	0	0
		2022	11	11/1/2022		0	0	0	0
		2022	12	12/1/2022		0	0	0	0
		2023	1	1/1/2023		0	0	0	0
		2023	2	2/1/2023		0	0	0	0
		2023	3	3/1/2023		0	0	0	0
		2023	4	4/1/2023		0	0	0	0
		2023	5	5/1/2023		0	0	0	0
		2023	6	6/1/2023		0	0	0	0
		2023	7	7/1/2023		0	0	0	0
		2023	8	8/1/2023		0	0	0	0
		2023	9	9/1/2023		0	0	0	0
		2023	10	10/1/2023		0	0	0	0
		2023	11	11/1/2023		0	0	0	0
		2023	12	12/1/2023		0	0	0	0
		2024	1	1/1/2024		0	0	0	0
		2024	2	2/1/2024		0	0	0	0
		2024	3	3/1/2024		0	0	0	0
		2024	4	4/1/2024		0	0	0	0
		2024	5	5/1/2024		0	0	0	0
		2024	6	6/1/2024		0	0	0	0
		2024	7	7/1/2024		0	0	0	0
		2024	8	8/1/2024		0	0	0	0
		2024	9	9/1/2024		0	0	0	0
		2024	10	10/1/2024		0	0	0	0
		2024	11	11/1/2024		0	0	0	0
		2024	12	12/1/2024		0	0	0	0

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	time	KWH	ak1	ak2	ak3	ak4
							0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2008	7	0	0	1	0	0	0
		2008	8	0	0	1	0	0	0
		2008	9	0	0	1	0	0	0
		2008	10	0	0	1	0	0	0
		2008	11	0	0	1	0	0	0
		2008	12	0	0	1	0	0	0
		2009	1	-1	0	1	0	0	0
		2009	2	0	0	1	0	0	0
		2009	3	0	0	1	0	0	0
		2009	4	0	0	1	0	0	0
		2009	5	0	0	1	0	0	0
		2009	6	0	0	1	0	0	0
		2009	7	0	0	1	0	0	0
		2009	8	0	0	1	0	0	0
		2009	9	0	0	1	0	0	0
		2009	10	0	0	1	0	0	0
		2009	11	0	0	1	0	0	0
		2009	12	0	0	1	0	0	0
		2010	1	0	0	1	0	0	0
		2010	2	0	0	1	0	0	0
		2010	3	0	0	1	0	0	0
		2010	4	0	0	1	0	0	0
		2010	5	0	0	1	0	0	0
		2010	6	0	0	1	0	0	0
		2010	7	0	0	1	0	0	0
		2010	8	0	0	1	0	0	0
		2010	9	0	0	1	0	0	0
		2010	10	0	0	1	0	0	0
		2010	11	0	0	1	0	0	0
		2010	12	0	0	1	0	0	0
		2011	1	0	0	1	0	0	0
		2011	2	0	0	1	0	0	0
		2011	3	0	0	1	0	0	0
		2011	4	0	0	1	0	0	0
		2011	5	0	0	1	0	0	0
		2011	6	0	0	1	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2011	7	0	0	1	0	0	0
		2011	8	0	0	1	0	0	0
		2011	9	0	0	1	0	0	0
		2011	10	0	0	1	0	0	0
		2011	11	0	0	1	0	0	0
		2011	12	0	0	1	0	0	0
		2012	1	0	0	1	0	0	0
		2012	2	0	0	1	0	0	0
		2012	3	0	0	1	0	0	0
		2012	4	0	0	1	0	0	0
		2012	5	0	0	1	0	0	0
		2012	6	0	0	1	0	0	0
		2012	7	0	0	1	0	0	0
		2012	8	0	0	1	0	0	0
		2012	9	0	0	1	0	0	0
		2012	10	0	0	1	0	0	0
		2012	11	0	0	1	0	0	0
		2012	12	0	0	1	0	0	0
		2013	1	0	0	1	0	0	0
		2013	2	0	0	1	0	0	0
		2013	3	0	0	1	0	0	0
		2013	4	0	0	1	0	0	0
		2013	5	0	0	1	0	0	0
		2013	6	0	0	1	0	0	0
		2013	7	0	0	1	0	0	0
		2013	8	0	0	1	0	0	0
		2013	9	0	0	1	0	0	0
		2013	10	0	0	1	0	0	0
		2013	11	0	0	1	0	0	0
		2013	12	0	0	1	0	0	0
		2014	1	0	0	1	0	0	0
		2014	2	0	0	1	0	0	0
		2014	3	0	0	1	0	0	0
		2014	4	0	0	1	0	0	0
		2014	5	0	0	1	0	0	0
		2014	6	0	0	1	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2014	7	0	0	0	1	0	0
		2014	8	0	0	0	1	0	0
		2014	9	0	0	0	1	0	0
		2014	10	0	0	0	1	0	0
		2014	11	0	0	0	1	0	0
		2014	12	0	0	0	1	0	0
		2015	1	0	0	0	1	0	0
		2015	2	0	0	0	1	0	0
		2015	3	0	0	0	1	0	0
		2015	4	0	0	0	1	0	0
		2015	5	0	0	0	1	0	0
		2015	6	0	0	0	1	0	0
		2015	7	0	0	0	1	0	0
		2015	8	0	0	0	1	0	0
		2015	9	0	0	0	1	0	0
		2015	10	0	0	0	1	0	0
		2015	11	0	0	0	1	0	0
		2015	12	0	0	0	1	0	0
		2016	1	0	0	0	1	0	0
		2016	2	0	0	0	1	0	0
		2016	3	0	0	0	1	0	0
		2016	4	0	0	0	1	0	0
		2016	5	0	0	0	1	0	0
		2016	6	0	0	0	1	0	0
		2016	7	0	0	0	1	0	0
		2016	8	0	0	0	1	0	0
		2016	9	0	0	0	1	0	0
		2016	10	0	0	0	1	0	0
		2016	11	0	0	0	1	0	0
		2016	12	0	0	0	1	0	0
		2017	1	0	0	0	1	0	0
		2017	2	0	0	0	1	0	0
		2017	3	0	0	0	1	0	0
		2017	4	0	0	0	1	0	0
		2017	5	0	0	0	1	0	0
		2017	6	0	0	0	1	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2017	7	0	0	1	0	0	0
		2017	8	0	0	1	0	0	0
		2017	9	0	0	1	0	0	0
		2017	10	0	0	1	0	0	0
		2017	11	0	0	1	0	0	0
		2017	12	0	0	1	0	0	0
		2018	1	0	0	1	0	0	0
		2018	2	0	0	1	0	0	0
		2018	3	0	0	1	0	0	0
		2018	4	0	0	1	0	0	0
		2018	5	0	0	1	0	0	0
		2018	6	0	0	1	0	0	0
		2018	7	0	0	1	0	0	0
		2018	8	0	0	1	0	0	0
		2018	9	0	0	1	0	0	0
		2018	10	0	0	1	0	0	0
		2018	11	0	0	1	0	0	0
		2018	12	0	0	1	0	0	0
		2019	1	0	0	1	0	0	0
		2019	2	0	0	1	0	0	0
		2019	3	0	0	1	0	0	0
		2019	4	0	0	1	0	0	0
		2019	5	0	0	1	0	0	0
		2019	6	0	0	1	0	0	0
		2019	7	0	0	1	0	0	0
		2019	8	0	0	1	0	0	0
		2019	9	0	0	1	0	0	0
		2019	10	0	0	1	0	0	0
		2019	11	0	0	1	0	0	0
		2019	12	0	0	1	0	0	0
		2020	1	0	0	1	0	0	0
		2020	2	0	0	1	0	0	0
		2020	3	0	0	1	0	0	0
		2020	4	0	0	1	0	0	0
		2020	5	0	0	1	0	0	0
		2020	6	0	0	1	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2020	7	0	0	1	0	0	0
		2020	8	0	0	1	0	0	0
		2020	9	0	0	1	0	0	0
		2020	10	0	0	1	0	0	0
		2020	11	0	0	1	0	0	0
		2020	12	0	0	1	0	0	0
		2021	1	0	0	1	0	0	0
		2021	2	0	0	1	0	0	0
		2021	3	0	0	1	0	0	0
		2021	4	0	0	1	0	0	0
		2021	5	0	0	1	0	0	0
		2021	6	0	0	1	0	0	0
		2021	7	0	0	1	0	0	0
		2021	8	0	0	1	0	0	0
		2021	9	0	0	1	0	0	0
		2021	10	0	0	1	0	0	0
		2021	11	0	0	1	0	0	0
		2021	12	0	0	1	0	0	0
		2022	1	0	0	1	0	0	0
		2022	2	0	0	1	0	0	0
		2022	3	0	0	1	0	0	0
		2022	4	0	0	1	0	0	0
		2022	5	0	0	1	0	0	0
		2022	6	0	0	1	0	0	0
		2022	7	0	0	1	0	0	0
		2022	8	0	0	1	0	0	0
		2022	9	0	0	1	0	0	0
		2022	10	0	0	1	0	0	0
		2022	11	0	0	1	0	0	0
		2022	12	0	0	1	0	0	0
		2023	1	0	0	1	0	0	0
		2023	2	0	0	1	0	0	0
		2023	3	0	0	1	0	0	0
		2023	4	0	0	1	0	0	0
		2023	5	0	0	1	0	0	0
		2023	6	0	0	1	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2023	7		0	0	1	0	0
		2023	8		0	0	1	0	0
		2023	9		0	0	1	0	0
		2023	10		0	0	1	0	0
		2023	11		0	0	1	0	0
		2023	12		0	0	1	0	0
		2024	1		0	0	1	0	0
		2024	2		0	0	1	0	0
		2024	3		0	0	1	0	0
		2024	4		0	0	1	0	0
		2024	5		0	0	1	0	0
		2024	6		0	0	1	0	0
		2024	7		0	0	1	0	0
		2024	8		0	0	1	0	0
		2024	9		0	0	1	0	0
		2024	10		0	0	1	0	0
		2024	11		0	0	1	0	0
		2024	12		0	0	1	0	0
		1995	12		0	0	0	0	0
		1996	1		0	0	0	0	0
		1997	7		0	0	0	0	0
		1998	2		0	0	0	0	0
		1998	3		0	0	0	0	0
		1999	1		0	0	0	0	0
		1999	2		0	0	0	0	0
		1999	3		0	0	0	0	0
		1999	4		0	0	0	0	0
		1999	5		0	0	0	0	0
		1999	6		0	0	0	0	0
		1999	7		0	0	0	0	0
		1999	8		0	0	0	0	0
		1999	9		0	0	0	0	0
		1999	10		0	0	0	0	0
		1999	11		0	0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		1999	12		0	0	0	0	0
		2000	1		0	0	0	0	0
		2000	2		0	0	0	0	0
		2000	3		0	0	0	0	0
		2000	4		0	0	0	0	0
		2000	5		0	0	0	0	0
		2000	6		0	0	0	0	0
		2000	7		0	0	0	0	0
		2000	8		0	0	0	0	0
		2000	9		0	0	0	0	0
		2000	10		0	0	0	0	0
		2000	11		0	0	0	0	0
		2000	12		0	0	0	0	0
		2001	1		0	0	0	0	0
		2001	2		0	0	0	0	0
		2001	3		0	0	0	0	0
		2001	4		0	0	0	0	0
		2001	5		0	0	0	0	0
		2001	6		0	0	0	0	0
		2001	7		0	0	0	0	0
		2001	8		0	0	0	0	0
		2001	9		0	0	0	0	0
		2001	10		0	0	0	0	0
		2001	11		0	0	0	0	0
		2001	12		0	0	0	0	0
		2002	1		0	0	0	0	0
		2002	2		0	0	0	0	0
		2002	3		0	0	0	0	0
		2002	4		0	0	0	0	0
		2002	5		0	0	0	0	0
		2002	6		0	0	0	0	0
		2002	7		0	0	0	0	0
		2002	8		0	0	0	0	0
		2002	9		0	0	0	0	0
		2002	10		0	0	0	0	0
		2002	11		0	0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2002	12		0	0	0	0	0
		2003	1		0	0	0	0	0
		2003	2		0	0	0	0	0
		2003	3		0	0	0	0	0
		2003	4		0	0	0	0	0
		2003	5		0	0	0	0	0
		2003	6		0	0	0	0	0
		2003	7		0	0	0	0	0
		2003	8		0	0	0	0	0
		2003	9		0	0	0	0	0
		2003	10		0	0	0	0	0
		2003	11		0	0	0	0	0
		2003	12		0	0	0	0	0
		2004	1		0	0	0	-1	0
		2004	2		0	1	1	0	0
		2004	3		0	1	1	0	0
		2004	4		0	1	1	0	0
		2004	5		0	1	1	0	0
		2004	6		0	1	1	0	0
		2004	7		0	1	1	0	0
		2004	8		0	1	1	0	0
		2004	9		0	1	1	0	0
		2004	10		0	1	1	0	0
		2004	11		0	1	1	0	0
		2004	12		0	1	1	0	0
		2005	1		0	1	1	-1	0
		2005	2		0	1	1	0	0
		2005	3		0	1	1	0	0
		2005	4		0	1	1	0	0
		2005	5		0	1	1	0	0
		2005	6		0	1	1	0	0
		2005	7		0	1	1	0	0
		2005	8		0	1	1	0	0
		2005	9		0	1	1	0	0
		2005	10		0	1	1	0	0
		2005	11		0	1	1	0	0
		2005	12		0	1	1	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2005	12		0	0	1	0	0
		2006	1		0	0	1	0	0
		2006	2		0	0	1	0	0
		2006	3		0	0	1	0	0
		2006	4		0	0	1	0	0
		2006	5		0	0	1	0	0
		2006	6		0	0	1	0	0
		2006	7		0	0	1	0	0
		2006	8		0	0	1	0	0
		2006	9		0	0	1	0	0
		2006	10		0	0	1	0	0
		2006	11		0	0	1	0	0
		2006	12		0	0	1	0	0
		2007	1		0	0	1	0	0
		2007	2		0	0	1	0	0
		2007	3		0	0	1	0	0
		2007	4		0	0	1	0	0
		2007	5		0	0	1	0	0
		2007	6		0	0	1	0	0
		2007	7		0	0	1	0	0
		2007	8		0	0	1	0	0
		2007	9		0	0	1	0	0
		2007	10		-1	0	1	0	0
		2007	11		0	0	1	0	0
		2007	12		0	0	1	0	0
		2008	1		0	0	1	0	0
		2008	2		0	0	1	0	0
		2008	3		0	0	1	0	0
		2008	4		0	0	1	0	0
		2008	5		0	0	1	0	0
		2008	6		0	0	1	0	0
		2008	7		0	0	1	0	0
		2008	8		0	0	1	0	0
		2008	9		0	0	1	0	0
		2008	10		0	0	1	0	0
		2008	11		0	0	1	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2008	12	0	0	0	1	0	0
		2009	1	0	0	-1	1	0	0
		2009	2	0	0	0	1	0	0
		2009	3	0	0	0	1	0	0
		2009	4	0	0	0	1	0	0
		2009	5	0	0	0	1	0	0
		2009	6	0	0	0	1	0	0
		2009	7	0	0	0	1	0	0
		2009	8	0	0	0	1	0	0
		2009	9	0	0	0	1	0	0
		2009	10	0	0	0	1	0	0
		2009	11	0	0	0	1	0	0
		2009	12	0	0	0	1	0	0
		2010	1	0	0	0	1	0	0
		2010	2	0	0	0	1	0	0
		2010	3	0	0	0	1	0	0
		2010	4	0	0	0	1	0	0
		2010	5	0	0	0	1	0	0
		2010	6	0	0	0	1	0	0
		2010	7	0	0	0	1	0	0
		2010	8	0	0	0	1	0	0
		2010	9	0	0	0	1	0	0
		2010	10	0	0	0	1	0	0
		2010	11	0	0	0	1	0	0
		2010	12	0	0	0	1	0	0
		2011	1	0	0	0	1	0	0
		2011	2	0	0	0	1	0	0
		2011	3	0	0	0	1	0	0
		2011	4	0	0	0	1	0	0
		2011	5	0	0	0	1	0	0
		2011	6	0	0	0	1	0	0
		2011	7	0	0	0	1	0	0
		2011	8	0	0	0	1	0	0
		2011	9	0	0	0	1	0	0
		2011	10	0	0	0	1	0	0
		2011	11	0	0	0	1	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2011	12		0	0	1	0	0
		2012	1		0	0	1	0	0
		2012	2		0	0	1	0	0
		2012	3		0	0	1	0	0
		2012	4		0	0	1	0	0
		2012	5		0	0	1	0	0
		2012	6		0	0	1	0	0
		2012	7		0	0	1	0	0
		2012	8		0	0	1	0	0
		2012	8		0	0	1	0	0
		2012	9		0	0	1	0	0
		2012	9		0	0	1	0	0
		2012	10		0	0	1	0	0
		2012	10		0	0	1	0	0
		2012	11		0	0	1	0	0
		2012	11		0	0	1	0	0
		2012	12		0	0	1	0	0
		2012	12		0	0	1	0	0
		2013	1		0	0	1	0	0
		2013	2		0	0	1	0	0
		2013	3		0	0	1	0	0
		2013	4		0	0	1	0	0
		2013	5		0	0	1	0	0
		2013	6		0	0	1	0	0
		2013	7		0	0	1	0	0
		2013	8		0	0	1	0	0
		2013	9		0	0	1	0	0
		2013	10		0	0	1	0	0
		2013	11		0	0	1	0	0
		2013	12		0	0	1	0	0
		2014	1		0	0	1	0	0
		2014	2		0	0	1	0	0
		2014	3		0	0	1	0	0
		2014	4		0	0	1	0	0
		2014	5		0	0	1	0	0
		2014	6		0	0	1	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2014	7	0	0	0	1	0	0
		2014	8	0	0	0	1	0	0
		2014	9	0	0	0	1	0	0
		2014	10	0	0	0	1	0	0
		2014	11	0	0	0	1	0	0
		2014	12	0	0	0	1	0	0
		2015	1	0	0	0	1	0	0
		2015	2	0	0	0	1	0	0
		2015	3	0	0	0	1	0	0
		2015	4	0	0	0	1	0	0
		2015	5	0	0	0	1	0	0
		2015	6	0	0	0	1	0	0
		2015	7	0	0	0	1	0	0
		2015	8	0	0	0	1	0	0
		2015	9	0	0	0	1	0	0
		2015	10	0	0	0	1	0	0
		2015	11	0	0	0	1	0	0
		2015	12	0	0	0	1	0	0
		2016	1	0	0	0	1	0	0
		2016	2	0	0	0	1	0	0
		2016	3	0	0	0	1	0	0
		2016	4	0	0	0	1	0	0
		2016	5	0	0	0	1	0	0
		2016	6	0	0	0	1	0	0
		2016	7	0	0	0	1	0	0
		2016	8	0	0	0	1	0	0
		2016	9	0	0	0	1	0	0
		2016	10	0	0	0	1	0	0
		2016	11	0	0	0	1	0	0
		2016	12	0	0	0	1	0	0
		2017	1	0	0	0	1	0	0
		2017	2	0	0	0	1	0	0
		2017	3	0	0	0	1	0	0
		2017	4	0	0	0	1	0	0
		2017	5	0	0	0	1	0	0
		2017	6	0	0	0	1	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2017	7	0	0	1	0	0	0
		2017	8	0	0	1	0	0	0
		2017	9	0	0	1	0	0	0
		2017	10	0	0	1	0	0	0
		2017	11	0	0	1	0	0	0
		2017	12	0	0	1	0	0	0
		2018	1	0	0	1	0	0	0
		2018	2	0	0	1	0	0	0
		2018	3	0	0	1	0	0	0
		2018	4	0	0	1	0	0	0
		2018	5	0	0	1	0	0	0
		2018	6	0	0	1	0	0	0
		2018	7	0	0	1	0	0	0
		2018	8	0	0	1	0	0	0
		2018	9	0	0	1	0	0	0
		2018	10	0	0	1	0	0	0
		2018	11	0	0	1	0	0	0
		2018	12	0	0	1	0	0	0
		2019	1	0	0	1	0	0	0
		2019	2	0	0	1	0	0	0
		2019	3	0	0	1	0	0	0
		2019	4	0	0	1	0	0	0
		2019	5	0	0	1	0	0	0
		2019	6	0	0	1	0	0	0
		2019	7	0	0	1	0	0	0
		2019	8	0	0	1	0	0	0
		2019	9	0	0	1	0	0	0
		2019	10	0	0	1	0	0	0
		2019	11	0	0	1	0	0	0
		2019	12	0	0	1	0	0	0
		2020	1	0	0	1	0	0	0
		2020	2	0	0	1	0	0	0
		2020	3	0	0	1	0	0	0
		2020	4	0	0	1	0	0	0
		2020	5	0	0	1	0	0	0
		2020	6	0	0	1	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2020	7	0	0	1	0	0	0
		2020	8	0	0	1	0	0	0
		2020	9	0	0	1	0	0	0
		2020	10	0	0	1	0	0	0
		2020	11	0	0	1	0	0	0
		2020	12	0	0	1	0	0	0
		2021	1	0	0	1	0	0	0
		2021	2	0	0	1	0	0	0
		2021	3	0	0	1	0	0	0
		2021	4	0	0	1	0	0	0
		2021	5	0	0	1	0	0	0
		2021	6	0	0	1	0	0	0
		2021	7	0	0	1	0	0	0
		2021	8	0	0	1	0	0	0
		2021	9	0	0	1	0	0	0
		2021	10	0	0	1	0	0	0
		2021	11	0	0	1	0	0	0
		2021	12	0	0	1	0	0	0
		2022	1	0	0	1	0	0	0
		2022	2	0	0	1	0	0	0
		2022	3	0	0	1	0	0	0
		2022	4	0	0	1	0	0	0
		2022	5	0	0	1	0	0	0
		2022	6	0	0	1	0	0	0
		2022	7	0	0	1	0	0	0
		2022	8	0	0	1	0	0	0
		2022	9	0	0	1	0	0	0
		2022	10	0	0	1	0	0	0
		2022	11	0	0	1	0	0	0
		2022	12	0	0	1	0	0	0
		2023	1	0	0	1	0	0	0
		2023	2	0	0	1	0	0	0
		2023	3	0	0	1	0	0	0
		2023	4	0	0	1	0	0	0
		2023	5	0	0	1	0	0	0
		2023	6	0	0	1	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2023	7		0	0	1	0	0
		2023	8		0	0	1	0	0
		2023	9		0	0	1	0	0
		2023	10		0	0	1	0	0
		2023	11		0	0	1	0	0
		2023	12		0	0	1	0	0
		2024	1		0	0	1	0	0
		2024	2		0	0	1	0	0
		2024	3		0	0	1	0	0
		2024	4		0	0	1	0	0
		2024	5		0	0	1	0	0
		2024	6		0	0	1	0	0
		2024	7		0	0	1	0	0
		2024	8		0	0	1	0	0
		2024	9		0	0	1	0	0
		2024	10		0	0	1	0	0
		2024	11		0	0	1	0	0
		2024	12		0	0	1	0	0
		1997	7		0	0	0	0	0
		1997	8		0	0	0	0	0
		1997	9		0	0	0	0	0
		1999	1		0	0	0	0	0
		1999	2		0	0	0	0	0
		1999	3		0	0	0	0	0
		1999	4		0	0	0	0	0
		1999	5		0	0	0	0	0
		1999	6		0	0	0	0	0
		1999	7		0	0	0	0	0
		1999	9		0	0	0	0	0
		1999	10		0	0	0	0	0
		1999	11		0	0	0	0	0
		1999	12		0	0	0	0	0
		2000	1		0	0	0	0	0
		2000	2		0	0	0	0	0
		2000	3		0	0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2000	4	0	0	0	0	0	0
		2000	5	0	0	0	0	0	0
		2000	6	0	0	0	0	0	0
		2000	7	0	0	0	0	0	0
		2000	8	0	0	0	0	0	0
		2000	9	0	0	0	0	0	0
		2000	10	0	0	0	0	0	0
		2000	11	0	0	0	0	0	0
		2001	2	0	0	0	0	0	0
		2001	3	0	0	0	0	0	0
		2001	4	0	0	0	0	0	0
		2001	5	0	0	0	0	0	0
		2001	6	0	0	0	0	0	0
		2001	7	0	0	0	0	0	0
		2001	8	0	0	0	0	0	0
		2001	9	0	0	0	0	0	0
		2001	10	0	0	0	0	0	0
		2001	11	0	0	0	0	0	0
		2001	12	0	0	0	0	0	0
		2002	1	0	0	0	0	0	0
		2002	2	0	0	0	0	0	0
		2002	3	0	0	0	0	0	0
		2002	4	0	0	0	0	0	0
		2002	5	0	0	0	0	0	0
		2002	6	0	0	0	0	0	0
		2002	7	0	0	0	0	0	0
		2002	8	0	0	0	0	0	0
		2002	9	0	0	0	0	0	0
		2002	10	0	0	0	0	0	0
		2002	11	0	0	0	0	0	0
		2002	12	0	0	0	0	0	0
		2003	1	0	0	0	0	0	0
		2003	2	0	0	0	0	0	0
		2003	3	0	0	0	0	0	0
		2003	4	0	0	0	0	0	0
		2003	5	0	0	0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2003	6	0	0	0	0	0	0
		2003	7	0	0	0	0	0	0
		2003	8	0	0	0	0	0	0
		2003	9	0	0	0	0	0	0
		2003	10	0	0	0	0	0	0
		2003	11	0	0	0	0	0	0
		2003	12	0	0	0	0	0	0
		2004	1	0	0	0	0	0	-1
		2004	2	0	0	0	1	0	0
		2004	3	0	0	0	1	0	0
		2004	4	0	0	0	1	0	0
		2004	5	0	0	0	1	0	0
		2004	6	0	0	0	1	0	0
		2004	7	0	0	0	1	0	0
		2004	8	0	0	0	1	0	0
		2004	9	0	0	0	1	0	0
		2004	10	0	0	0	1	0	0
		2004	11	0	0	0	1	0	0
		2004	12	0	0	0	1	0	0
		2005	1	0	0	0	1	0	0
		2005	2	0	0	0	1	-1	0
		2005	3	0	0	0	1	0	0
		2005	4	0	0	0	1	0	0
		2005	5	0	0	0	1	0	0
		2005	6	0	0	0	1	0	0
		2005	7	0	0	0	1	0	0
		2005	8	0	0	0	1	0	0
		2005	9	0	0	0	1	0	0
		2005	10	0	0	0	1	0	0
		2005	11	0	0	0	1	0	0
		2005	12	0	0	0	1	0	0
		2006	1	0	0	0	1	0	0
		2006	2	0	0	0	1	0	0
		2006	3	0	0	0	1	0	0
		2006	4	0	0	0	1	0	0
		2006	5	0	0	0	1	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2006	6	0	0	0	1	0	0
		2006	7	0	0	0	1	0	0
		2006	8	0	0	0	1	0	0
		2006	9	0	0	0	1	0	0
		2006	10	0	0	0	1	0	0
		2006	11	0	0	0	1	0	0
		2006	12	0	0	0	1	0	0
		2007	1	0	0	0	1	0	0
		2007	2	0	0	0	1	0	0
		2007	3	0	0	0	1	0	0
		2007	4	0	0	0	1	0	0
		2007	5	0	0	0	1	0	0
		2007	6	0	0	0	1	0	0
		2007	7	0	0	0	1	0	0
		2007	8	0	0	0	1	0	0
		2007	9	0	0	0	1	0	0
		2007	10	-1	0	0	1	0	0
		2007	11	0	0	0	1	0	0
		2007	12	0	0	0	1	0	0
		2008	1	0	0	0	1	0	0
		2008	2	0	0	0	1	0	0
		2008	3	0	0	0	1	0	0
		2008	4	0	0	0	1	0	0
		2008	5	0	0	0	1	0	0
		2008	6	0	0	0	1	0	0
		2008	7	0	0	0	1	0	0
		2008	8	0	0	0	1	0	0
		2008	9	0	0	0	1	0	0
		2008	10	0	0	0	1	0	0
		2008	11	0	0	0	1	0	0
		2008	12	0	0	0	1	0	0
		2009	1	0	-1	0	1	0	0
		2009	2	0	0	0	1	0	0
		2009	3	0	0	0	1	0	0
		2009	4	0	0	0	1	0	0
		2009	5	0	0	0	1	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2009	6	0	0	0	1	0	0
		2009	7	0	0	0	1	0	0
		2009	8	0	0	0	1	0	0
		2009	9	0	0	0	1	0	0
		2009	10	0	0	0	1	0	0
		2009	11	0	0	0	1	0	0
		2009	12	0	0	0	1	0	0
		2010	1	0	0	0	1	0	0
		2010	2	0	0	0	1	0	0
		2010	3	0	0	0	1	0	0
		2010	4	0	0	0	1	0	0
		2010	5	0	0	0	1	0	0
		2010	6	0	0	0	1	0	0
		2010	7	0	0	0	1	0	0
		2010	8	0	0	0	1	0	0
		2010	9	0	0	0	1	0	0
		2010	10	0	0	0	1	0	0
		2010	11	0	0	0	1	0	0
		2010	12	0	0	0	1	0	0
		2011	1	0	0	0	1	0	0
		2011	2	0	0	0	1	0	0
		2011	3	0	0	0	1	0	0
		2011	4	0	0	0	1	0	0
		2011	5	0	0	0	1	0	0
		2011	6	0	0	0	1	0	0
		2011	7	0	0	0	1	0	0
		2011	8	0	0	0	1	0	0
		2011	9	0	0	0	1	0	0
		2011	10	0	0	0	1	0	0
		2011	11	0	0	0	1	0	0
		2011	12	0	0	0	1	0	0
		2012	1	0	0	0	1	0	0
		2012	2	0	0	0	1	0	0
		2012	3	0	0	0	1	0	0
		2012	4	0	0	0	1	0	0
		2012	5	0	0	0	1	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2012	6	0	0	1	0	0	0
		2012	7	0	0	1	0	0	0
		2012	8	0	0	1	0	0	0
		2012	8	0	0	1	0	0	0
		2012	9	0	0	1	0	0	0
		2012	9	0	0	1	0	0	0
		2012	10	0	0	1	0	0	0
		2012	10	0	0	1	0	0	0
		2012	11	0	0	1	0	0	0
		2012	11	0	0	1	0	0	0
		2012	12	0	0	1	0	0	0
		2012	12	0	0	1	0	0	0
		2013	1	0	0	1	0	0	0
		2013	2	0	0	1	0	0	0
		2013	3	0	0	1	0	0	0
		2013	4	0	0	1	0	0	0
		2013	5	0	0	1	0	0	0
		2013	6	0	0	1	0	0	0
		2013	7	0	0	1	0	0	0
		2013	8	0	0	1	0	0	0
		2013	9	0	0	1	0	0	0
		2013	10	0	0	1	0	0	0
		2013	11	0	0	1	0	0	0
		2013	12	0	0	1	0	0	0
		2014	1	0	0	1	0	0	0
		2014	2	0	0	1	0	0	0
		2014	3	0	0	1	0	0	0
		2014	4	0	0	1	0	0	0
		2014	5	0	0	1	0	0	0
		2014	6	0	0	1	0	0	0
		2014	7	0	0	1	0	0	0
		2014	8	0	0	1	0	0	0
		2014	9	0	0	1	0	0	0
		2014	10	0	0	1	0	0	0
		2014	11	0	0	1	0	0	0
		2014	12	0	0	1	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2015	1	0	0	1	0	0	0
		2015	2	0	0	1	0	0	0
		2015	3	0	0	1	0	0	0
		2015	4	0	0	1	0	0	0
		2015	5	0	0	1	0	0	0
		2015	6	0	0	1	0	0	0
		2015	7	0	0	1	0	0	0
		2015	8	0	0	1	0	0	0
		2015	9	0	0	1	0	0	0
		2015	10	0	0	1	0	0	0
		2015	11	0	0	1	0	0	0
		2015	12	0	0	1	0	0	0
		2016	1	0	0	1	0	0	0
		2016	2	0	0	1	0	0	0
		2016	3	0	0	1	0	0	0
		2016	4	0	0	1	0	0	0
		2016	5	0	0	1	0	0	0
		2016	6	0	0	1	0	0	0
		2016	7	0	0	1	0	0	0
		2016	8	0	0	1	0	0	0
		2016	9	0	0	1	0	0	0
		2016	10	0	0	1	0	0	0
		2016	11	0	0	1	0	0	0
		2016	12	0	0	1	0	0	0
		2017	1	0	0	1	0	0	0
		2017	2	0	0	1	0	0	0
		2017	3	0	0	1	0	0	0
		2017	4	0	0	1	0	0	0
		2017	5	0	0	1	0	0	0
		2017	6	0	0	1	0	0	0
		2017	7	0	0	1	0	0	0
		2017	8	0	0	1	0	0	0
		2017	9	0	0	1	0	0	0
		2017	10	0	0	1	0	0	0
		2017	11	0	0	1	0	0	0
		2017	12	0	0	1	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2018	1	0	0	0	1	0	0
		2018	2	0	0	0	1	0	0
		2018	3	0	0	0	1	0	0
		2018	4	0	0	0	1	0	0
		2018	5	0	0	0	1	0	0
		2018	6	0	0	0	1	0	0
		2018	7	0	0	0	1	0	0
		2018	8	0	0	0	1	0	0
		2018	9	0	0	0	1	0	0
		2018	10	0	0	0	1	0	0
		2018	11	0	0	0	1	0	0
		2018	12	0	0	0	1	0	0
		2019	1	0	0	0	1	0	0
		2019	2	0	0	0	1	0	0
		2019	3	0	0	0	1	0	0
		2019	4	0	0	0	1	0	0
		2019	5	0	0	0	1	0	0
		2019	6	0	0	0	1	0	0
		2019	7	0	0	0	1	0	0
		2019	8	0	0	0	1	0	0
		2019	9	0	0	0	1	0	0
		2019	10	0	0	0	1	0	0
		2019	11	0	0	0	1	0	0
		2019	12	0	0	0	1	0	0
		2020	1	0	0	0	1	0	0
		2020	2	0	0	0	1	0	0
		2020	3	0	0	0	1	0	0
		2020	4	0	0	0	1	0	0
		2020	5	0	0	0	1	0	0
		2020	6	0	0	0	1	0	0
		2020	7	0	0	0	1	0	0
		2020	8	0	0	0	1	0	0
		2020	9	0	0	0	1	0	0
		2020	10	0	0	0	1	0	0
		2020	11	0	0	0	1	0	0
		2020	12	0	0	0	1	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2021	1	0	0	1	0	0	0
		2021	2	0	0	1	0	0	0
		2021	3	0	0	1	0	0	0
		2021	4	0	0	1	0	0	0
		2021	5	0	0	1	0	0	0
		2021	6	0	0	1	0	0	0
		2021	7	0	0	1	0	0	0
		2021	8	0	0	1	0	0	0
		2021	9	0	0	1	0	0	0
		2021	10	0	0	1	0	0	0
		2021	11	0	0	1	0	0	0
		2021	12	0	0	1	0	0	0
		2022	1	0	0	1	0	0	0
		2022	2	0	0	1	0	0	0
		2022	3	0	0	1	0	0	0
		2022	4	0	0	1	0	0	0
		2022	5	0	0	1	0	0	0
		2022	6	0	0	1	0	0	0
		2022	7	0	0	1	0	0	0
		2022	8	0	0	1	0	0	0
		2022	9	0	0	1	0	0	0
		2022	10	0	0	1	0	0	0
		2022	11	0	0	1	0	0	0
		2022	12	0	0	1	0	0	0
		2023	1	0	0	1	0	0	0
		2023	2	0	0	1	0	0	0
		2023	3	0	0	1	0	0	0
		2023	4	0	0	1	0	0	0
		2023	5	0	0	1	0	0	0
		2023	6	0	0	1	0	0	0
		2023	7	0	0	1	0	0	0
		2023	8	0	0	1	0	0	0
		2023	9	0	0	1	0	0	0
		2023	10	0	0	1	0	0	0
		2023	11	0	0	1	0	0	0
		2023	12	0	0	1	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2024	1		0	0	1	0	0
		2024	2		0	0	1	0	0
		2024	3		0	0	1	0	0
		2024	4		0	0	1	0	0
		2024	5		0	0	1	0	0
		2024	6		0	0	1	0	0
		2024	7		0	0	1	0	0
		2024	8		0	0	1	0	0
		2024	9		0	0	1	0	0
		2024	10		0	0	1	0	0
		2024	11		0	0	1	0	0
		2024	12		0	0	1	0	0
		1999	1		0	0	0	0	0
		1999	2		0	0	0	0	0
		1999	3		0	0	0	0	0
		1999	4		0	0	0	0	0
		1999	5		0	0	0	0	0
		1999	6		0	0	0	0	0
		1999	7		0	0	0	0	0
		1999	8		0	0	0	0	0
		1999	9		0	0	0	0	0
		1999	10		0	0	0	0	0
		1999	11		0	0	0	0	0
		1999	12		0	0	0	0	0
		2000	1		0	0	0	0	0
		2000	2		0	0	0	0	0
		2000	3		0	0	0	0	0
		2000	4		0	0	0	0	0
		2000	5		0	0	0	0	0
		2000	6		0	0	0	0	0
		2000	7		0	0	0	0	0
		2000	8		0	0	0	0	0
		2000	9		0	0	0	0	0
		2000	10		0	0	0	0	0
		2000	11		0	0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2000	12		0	0	0	0	0
		2001	1		0	0	0	0	0
		2001	2		0	0	0	0	0
		2001	3		0	0	0	0	0
		2001	4		0	0	0	0	0
		2001	5		0	0	0	0	0
		2001	6		0	0	0	0	0
		2001	7		0	0	0	0	0
		2001	8		0	0	0	0	0
		2001	9		0	0	0	0	0
		2001	10		0	0	0	0	0
		2001	11		0	0	0	0	0
		2001	12		0	0	0	0	0
		2002	1		0	0	0	0	0
		2002	2		0	0	0	0	0
		2002	3		0	0	0	0	0
		2002	4		0	0	0	0	0
		2002	5		0	0	0	0	0
		2002	6		0	0	0	0	0
		2002	7		0	0	0	0	0
		2002	8		0	0	0	0	0
		2002	9		0	0	0	0	0
		2002	10		0	0	0	0	0
		2002	11		0	0	0	0	0
		2002	12		0	0	0	0	0
		2003	1		0	0	0	0	0
		2003	2		0	0	0	0	0
		2003	3		0	0	0	0	0
		2003	4		0	0	0	0	0
		2003	5		0	0	0	0	0
		2003	6		0	0	0	0	0
		2003	7		0	0	0	0	0
		2003	8		0	0	0	0	0
		2003	9		0	0	0	0	0
		2003	10		0	0	0	0	0
		2003	11		0	0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2003	12		0	0	0	0	0
		2004	1		0	0	0	0	-1
		2004	2		0	0	1	0	0
		2004	3		0	0	1	0	0
		2004	4		0	0	1	0	0
		2004	5		0	0	1	0	0
		2004	6		0	0	1	0	0
		2004	7		0	0	1	0	0
		2004	8		0	0	1	0	0
		2004	9		0	0	1	0	0
		2004	10		0	0	1	0	0
		2004	11		0	0	1	0	0
		2004	12		0	0	1	0	0
		2005	1		0	0	1	0	0
		2005	2		0	0	1	-1	0
		2005	3		0	0	1	0	0
		2005	4		0	0	1	0	0
		2005	5		0	0	1	0	0
		2005	6		0	0	1	0	0
		2005	7		0	0	1	0	0
		2005	8		0	0	1	0	0
		2005	9		0	0	1	0	0
		2005	10		0	0	1	0	0
		2005	11		0	0	1	0	0
		2005	12		0	0	1	0	0
		2006	1		0	0	1	0	0
		2006	2		0	0	1	0	0
		2006	3		0	0	1	0	0
		2006	4		0	0	1	0	0
		2006	5		0	0	1	0	0
		2006	6		0	0	1	0	0
		2006	7		0	0	1	0	0
		2006	8		0	0	1	0	0
		2006	9		0	0	1	0	0
		2006	10		0	0	1	0	0
		2006	11		0	0	1	0	0
		2006	12		0	0	1	0	0
		2006	1		0	0	1	0	0
		2006	2		0	0	1	0	0
		2006	3		0	0	1	0	0
		2006	4		0	0	1	0	0
		2006	5		0	0	1	0	0
		2006	6		0	0	1	0	0
		2006	7		0	0	1	0	0
		2006	8		0	0	1	0	0
		2006	9		0	0	1	0	0
		2006	10		0	0	1	0	0
		2006	11		0	0	1	0	0
		2006	12		0	0	1	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2006	12		0	0	1	0	0
		2007	1		0	0	1	0	0
		2007	2		0	0	1	0	0
		2007	3		0	0	1	0	0
		2007	4		0	0	1	0	0
		2007	5		0	0	1	0	0
		2007	6		0	0	1	0	0
		2007	7		0	0	1	0	0
		2007	8		0	0	1	0	0
		2007	9		0	0	1	0	0
		2007	10		-1	0	1	0	0
		2007	11		0	0	1	0	0
		2007	12		0	0	1	0	0
		2008	1		0	0	1	0	0
		2008	2		0	0	1	0	0
		2008	3		0	0	1	0	0
		2008	4		0	0	1	0	0
		2008	5		0	0	1	0	0
		2008	6		0	0	1	0	0
		2008	7		0	0	1	0	0
		2008	8		0	0	1	0	0
		2008	9		0	0	1	0	0
		2008	10		0	0	1	0	0
		2008	11		0	0	1	0	0
		2008	12		0	0	1	0	0
		2009	1		0	-1	1	0	0
		2009	2		0	0	1	0	0
		2009	3		0	0	1	0	0
		2009	4		0	0	1	0	0
		2009	5		0	0	1	0	0
		2009	6		0	0	1	0	0
		2009	7		0	0	1	0	0
		2009	8		0	0	1	0	0
		2009	9		0	0	1	0	0
		2009	10		0	0	1	0	0
		2009	11		0	0	1	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2009	12		0	0	1	0	0
		2010	1		0	0	1	0	0
		2010	2		0	0	1	0	0
		2010	3		0	0	1	0	0
		2010	4		0	0	1	0	0
		2010	5		0	0	1	0	0
		2010	6		0	0	1	0	0
		2010	7		0	0	1	0	0
		2010	8		0	0	1	0	0
		2010	9		0	0	1	0	0
		2010	10		0	0	1	0	0
		2010	11		0	0	1	0	0
		2010	12		0	0	1	0	0
		2011	1		0	0	1	0	0
		2011	2		0	0	1	0	0
		2011	3		0	0	1	0	0
		2011	4		0	0	1	0	0
		2011	5		0	0	1	0	0
		2011	6		0	0	1	0	0
		2011	7		0	0	1	0	0
		2011	8		0	0	1	0	0
		2011	9		0	0	1	0	0
		2011	10		0	0	1	0	0
		2011	11		0	0	1	0	0
		2011	12		0	0	1	0	0
		2012	1		0	0	1	0	0
		2012	2		0	0	1	0	0
		2012	3		0	0	1	0	0
		2012	4		0	0	1	0	0
		2012	5		0	0	1	0	0
		2012	6		0	0	1	0	0
		2012	7		0	0	1	0	0
		2012	8		0	0	1	0	0
		2012	8		0	0	1	0	0
		2012	9		0	0	1	0	0
		2012	9		0	0	1	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2012	10	0	0	0	1	0	0
		2012	10	0	0	0	1	0	0
		2012	11	0	0	0	1	0	0
		2012	11	0	0	0	1	0	0
		2012	12	0	0	0	1	0	0
		2012	12	0	0	0	1	0	0
		2013	1	0	0	0	1	0	0
		2013	2	0	0	0	1	0	0
		2013	3	0	0	0	1	0	0
		2013	4	0	0	0	1	0	0
		2013	5	0	0	0	1	0	0
		2013	6	0	0	0	1	0	0
		2013	7	0	0	0	1	0	0
		2013	8	0	0	0	1	0	0
		2013	9	0	0	0	1	0	0
		2013	10	0	0	0	1	0	0
		2013	11	0	0	0	1	0	0
		2013	12	0	0	0	1	0	0
		2014	1	0	0	0	1	0	0
		2014	2	0	0	0	1	0	0
		2014	3	0	0	0	1	0	0
		2014	4	0	0	0	1	0	0
		2014	5	0	0	0	1	0	0
		2014	6	0	0	0	1	0	0
		2014	7	0	0	0	1	0	0
		2014	8	0	0	0	1	0	0
		2014	9	0	0	0	1	0	0
		2014	10	0	0	0	1	0	0
		2014	11	0	0	0	1	0	0
		2014	12	0	0	0	1	0	0
		2015	1	0	0	0	1	0	0
		2015	2	0	0	0	1	0	0
		2015	3	0	0	0	1	0	0
		2015	4	0	0	0	1	0	0
		2015	5	0	0	0	1	0	0
		2015	6	0	0	0	1	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2015	7	0	0	1	0	0	0
		2015	8	0	0	1	0	0	0
		2015	9	0	0	1	0	0	0
		2015	10	0	0	1	0	0	0
		2015	11	0	0	1	0	0	0
		2015	12	0	0	1	0	0	0
		2016	1	0	0	1	0	0	0
		2016	2	0	0	1	0	0	0
		2016	3	0	0	1	0	0	0
		2016	4	0	0	1	0	0	0
		2016	5	0	0	1	0	0	0
		2016	6	0	0	1	0	0	0
		2016	7	0	0	1	0	0	0
		2016	8	0	0	1	0	0	0
		2016	9	0	0	1	0	0	0
		2016	10	0	0	1	0	0	0
		2016	11	0	0	1	0	0	0
		2016	12	0	0	1	0	0	0
		2017	1	0	0	1	0	0	0
		2017	2	0	0	1	0	0	0
		2017	3	0	0	1	0	0	0
		2017	4	0	0	1	0	0	0
		2017	5	0	0	1	0	0	0
		2017	6	0	0	1	0	0	0
		2017	7	0	0	1	0	0	0
		2017	8	0	0	1	0	0	0
		2017	9	0	0	1	0	0	0
		2017	10	0	0	1	0	0	0
		2017	11	0	0	1	0	0	0
		2017	12	0	0	1	0	0	0
		2018	1	0	0	1	0	0	0
		2018	2	0	0	1	0	0	0
		2018	3	0	0	1	0	0	0
		2018	4	0	0	1	0	0	0
		2018	5	0	0	1	0	0	0
		2018	6	0	0	1	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2018	7	0	0	1	0	0	0
		2018	8	0	0	1	0	0	0
		2018	9	0	0	1	0	0	0
		2018	10	0	0	1	0	0	0
		2018	11	0	0	1	0	0	0
		2018	12	0	0	1	0	0	0
		2019	1	0	0	1	0	0	0
		2019	2	0	0	1	0	0	0
		2019	3	0	0	1	0	0	0
		2019	4	0	0	1	0	0	0
		2019	5	0	0	1	0	0	0
		2019	6	0	0	1	0	0	0
		2019	7	0	0	1	0	0	0
		2019	8	0	0	1	0	0	0
		2019	9	0	0	1	0	0	0
		2019	10	0	0	1	0	0	0
		2019	11	0	0	1	0	0	0
		2019	12	0	0	1	0	0	0
		2020	1	0	0	1	0	0	0
		2020	2	0	0	1	0	0	0
		2020	3	0	0	1	0	0	0
		2020	4	0	0	1	0	0	0
		2020	5	0	0	1	0	0	0
		2020	6	0	0	1	0	0	0
		2020	7	0	0	1	0	0	0
		2020	8	0	0	1	0	0	0
		2020	9	0	0	1	0	0	0
		2020	10	0	0	1	0	0	0
		2020	11	0	0	1	0	0	0
		2020	12	0	0	1	0	0	0
		2021	1	0	0	1	0	0	0
		2021	2	0	0	1	0	0	0
		2021	3	0	0	1	0	0	0
		2021	4	0	0	1	0	0	0
		2021	5	0	0	1	0	0	0
		2021	6	0	0	1	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2021	7	0	0	1	0	0	0
		2021	8	0	0	1	0	0	0
		2021	9	0	0	1	0	0	0
		2021	10	0	0	1	0	0	0
		2021	11	0	0	1	0	0	0
		2021	12	0	0	1	0	0	0
		2022	1	0	0	1	0	0	0
		2022	2	0	0	1	0	0	0
		2022	3	0	0	1	0	0	0
		2022	4	0	0	1	0	0	0
		2022	5	0	0	1	0	0	0
		2022	6	0	0	1	0	0	0
		2022	7	0	0	1	0	0	0
		2022	8	0	0	1	0	0	0
		2022	9	0	0	1	0	0	0
		2022	10	0	0	1	0	0	0
		2022	11	0	0	1	0	0	0
		2022	12	0	0	1	0	0	0
		2023	1	0	0	1	0	0	0
		2023	2	0	0	1	0	0	0
		2023	3	0	0	1	0	0	0
		2023	4	0	0	1	0	0	0
		2023	5	0	0	1	0	0	0
		2023	6	0	0	1	0	0	0
		2023	7	0	0	1	0	0	0
		2023	8	0	0	1	0	0	0
		2023	9	0	0	1	0	0	0
		2023	10	0	0	1	0	0	0
		2023	11	0	0	1	0	0	0
		2023	12	0	0	1	0	0	0
		2024	1	0	0	1	0	0	0
		2024	2	0	0	1	0	0	0
		2024	3	0	0	1	0	0	0
		2024	4	0	0	1	0	0	0
		2024	5	0	0	1	0	0	0
		2024	6	0	0	1	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2024	7		0	0	1	0	0
		2024	8		0	0	1	0	0
		2024	9		0	0	1	0	0
		2024	10		0	0	1	0	0
		2024	11		0	0	1	0	0
		2024	12		0	0	1	0	0
					0	0	0	0	0
		2007	1		0	0	1	0	0
		2007	2		0	0	1	0	0
		2007	3		0	0	1	0	0
		2007	4		0	0	1	0	0
		2007	5		0	0	1	0	0
		2007	6		0	0	1	0	0
		2007	7		0	0	1	0	0
		2007	8		0	0	1	0	0
		2007	9		0	0	1	0	0
		2007	10		-1	0	1	0	0
		2007	11		0	0	1	0	0
		2007	12		0	0	1	0	0
		2008	1		0	0	1	0	0
		2008	2		0	0	1	0	0
		2008	3		0	0	1	0	0
		2008	4		0	0	1	0	0
		2008	5		0	0	1	0	0
		2008	6		0	0	1	0	0
		2008	7		0	0	1	0	0
		2008	8		0	0	1	0	0
		2008	9		0	0	1	0	0
		2008	10		0	0	1	0	0
		2008	11		0	0	1	0	0
		2008	12		0	0	1	0	0
		2009	1		0	-1	1	0	0
		2009	2		0	0	1	0	0
		2009	3		0	0	1	0	0
		2009	4		0	0	1	0	0
		2009	5		0	0	1	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2009	6	0	0	0	1	0	0
		2009	7	0	0	0	1	0	0
		2009	8	0	0	0	1	0	0
		2009	9	0	0	0	1	0	0
		2009	10	0	0	0	1	0	0
		2009	11	0	0	0	1	0	0
		2009	12	0	0	0	1	0	0
		2010	1	0	0	0	1	0	0
		2010	2	0	0	0	1	0	0
		2010	3	0	0	0	1	0	0
		2010	4	0	0	0	1	0	0
		2010	5	0	0	0	1	0	0
		2010	6	0	0	0	1	0	0
		2010	7	0	0	0	1	0	0
		2010	8	0	0	0	1	0	0
		2010	9	0	0	0	1	0	0
		2010	10	0	0	0	1	0	0
		2010	11	0	0	0	1	0	0
		2010	12	0	0	0	1	0	0
		2011	1	0	0	0	1	0	0
		2011	2	0	0	0	1	0	0
		2011	3	0	0	0	1	0	0
		2011	4	0	0	0	1	0	0
		2011	5	0	0	0	1	0	0
		2011	6	0	0	0	1	0	0
		2011	7	0	0	0	1	0	0
		2011	8	0	0	0	1	0	0
		2011	9	0	0	0	1	0	0
		2011	10	0	0	0	1	0	0
		2011	11	0	0	0	1	0	0
		2011	12	0	0	0	1	0	0
		2012	1	0	0	0	1	0	0
		2012	2	0	0	0	1	0	0
		2012	3	0	0	0	1	0	0
		2012	4	0	0	0	1	0	0
		2012	5	0	0	0	1	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2012	6	0	0	0	1	0	0
		2012	7	0	0	0	1	0	0
		2012	8	0	0	0	1	0	0
		2012	9	0	0	0	1	0	0
		2012	10	0	0	0	1	0	0
		2012	11	0	0	0	1	0	0
		2012	12	0	0	0	1	0	0
		2013	1	0	0	0	1	0	0
		2013	1	0	0	0	1	0	0
		2013	2	0	0	0	1	0	0
		2013	3	0	0	0	1	0	0
		2013	4	0	0	0	1	0	0
		2013	5	0	0	0	1	0	0
		2013	6	0	0	0	1	0	0
		2013	7	0	0	0	1	0	0
		2013	8	0	0	0	1	0	0
		2013	9	0	0	0	1	0	0
		2013	10	0	0	0	1	0	0
		2013	11	0	0	0	1	0	0
		2013	12	0	0	0	1	0	0
		2014	1	0	0	0	1	0	0
		2014	2	0	0	0	1	0	0
		2014	3	0	0	0	1	0	0
		2014	4	0	0	0	1	0	0
		2014	5	0	0	0	1	0	0
		2014	6	0	0	0	1	0	0
		2014	7	0	0	0	1	0	0
		2014	8	0	0	0	1	0	0
		2014	9	0	0	0	1	0	0
		2014	10	0	0	0	1	0	0
		2014	11	0	0	0	1	0	0
		2014	12	0	0	0	1	0	0
		2015	1	0	0	0	1	0	0
		2015	2	0	0	0	1	0	0
		2015	3	0	0	0	1	0	0
		2015	4	0	0	0	1	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2015	5	0	0	1	0	0	0
		2015	6	0	0	1	0	0	0
		2015	7	0	0	1	0	0	0
		2015	8	0	0	1	0	0	0
		2015	9	0	0	1	0	0	0
		2015	10	0	0	1	0	0	0
		2015	11	0	0	1	0	0	0
		2015	12	0	0	1	0	0	0
		2016	1	0	0	1	0	0	0
		2016	2	0	0	1	0	0	0
		2016	3	0	0	1	0	0	0
		2016	4	0	0	1	0	0	0
		2016	5	0	0	1	0	0	0
		2016	6	0	0	1	0	0	0
		2016	7	0	0	1	0	0	0
		2016	8	0	0	1	0	0	0
		2016	9	0	0	1	0	0	0
		2016	10	0	0	1	0	0	0
		2016	11	0	0	1	0	0	0
		2016	12	0	0	1	0	0	0
		2017	1	0	0	1	0	0	0
		2017	2	0	0	1	0	0	0
		2017	3	0	0	1	0	0	0
		2017	4	0	0	1	0	0	0
		2017	5	0	0	1	0	0	0
		2017	6	0	0	1	0	0	0
		2017	7	0	0	1	0	0	0
		2017	8	0	0	1	0	0	0
		2017	9	0	0	1	0	0	0
		2017	10	0	0	1	0	0	0
		2017	11	0	0	1	0	0	0
		2017	12	0	0	1	0	0	0
		2018	1	0	0	1	0	0	0
		2018	2	0	0	1	0	0	0
		2018	3	0	0	1	0	0	0
		2018	4	0	0	1	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2018	5	0	0	1	0	0	0
		2018	6	0	0	1	0	0	0
		2018	7	0	0	1	0	0	0
		2018	8	0	0	1	0	0	0
		2018	9	0	0	1	0	0	0
		2018	10	0	0	1	0	0	0
		2018	11	0	0	1	0	0	0
		2018	12	0	0	1	0	0	0
		2019	1	0	0	1	0	0	0
		2019	2	0	0	1	0	0	0
		2019	3	0	0	1	0	0	0
		2019	4	0	0	1	0	0	0
		2019	5	0	0	1	0	0	0
		2019	6	0	0	1	0	0	0
		2019	7	0	0	1	0	0	0
		2019	8	0	0	1	0	0	0
		2019	9	0	0	1	0	0	0
		2019	10	0	0	1	0	0	0
		2019	11	0	0	1	0	0	0
		2019	12	0	0	1	0	0	0
		2020	1	0	0	1	0	0	0
		2020	2	0	0	1	0	0	0
		2020	3	0	0	1	0	0	0
		2020	4	0	0	1	0	0	0
		2020	5	0	0	1	0	0	0
		2020	6	0	0	1	0	0	0
		2020	7	0	0	1	0	0	0
		2020	8	0	0	1	0	0	0
		2020	9	0	0	1	0	0	0
		2020	10	0	0	1	0	0	0
		2020	11	0	0	1	0	0	0
		2020	12	0	0	1	0	0	0
		2021	1	0	0	1	0	0	0
		2021	2	0	0	1	0	0	0
		2021	3	0	0	1	0	0	0
		2021	4	0	0	1	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2021	5	0	0	1	0	0	0
		2021	6	0	0	1	0	0	0
		2021	7	0	0	1	0	0	0
		2021	8	0	0	1	0	0	0
		2021	9	0	0	1	0	0	0
		2021	10	0	0	1	0	0	0
		2021	11	0	0	1	0	0	0
		2021	12	0	0	1	0	0	0
		2022	1	0	0	1	0	0	0
		2022	2	0	0	1	0	0	0
		2022	3	0	0	1	0	0	0
		2022	4	0	0	1	0	0	0
		2022	5	0	0	1	0	0	0
		2022	6	0	0	1	0	0	0
		2022	7	0	0	1	0	0	0
		2022	8	0	0	1	0	0	0
		2022	9	0	0	1	0	0	0
		2022	10	0	0	1	0	0	0
		2022	11	0	0	1	0	0	0
		2022	12	0	0	1	0	0	0
		2023	1	0	0	1	0	0	0
		2023	2	0	0	1	0	0	0
		2023	3	0	0	1	0	0	0
		2023	4	0	0	1	0	0	0
		2023	5	0	0	1	0	0	0
		2023	6	0	0	1	0	0	0
		2023	7	0	0	1	0	0	0
		2023	8	0	0	1	0	0	0
		2023	9	0	0	1	0	0	0
		2023	10	0	0	1	0	0	0
		2023	11	0	0	1	0	0	0
		2023	12	0	0	1	0	0	0
		2024	1	0	0	1	0	0	0
		2024	2	0	0	1	0	0	0
		2024	3	0	0	1	0	0	0
		2024	4	0	0	1	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2024	5	0	0	0	1	0	0
		2024	6	0	0	0	1	0	0
		2024	7	0	0	0	1	0	0
		2024	8	0	0	0	1	0	0
		2024	9	0	0	0	1	0	0
		2024	10	0	0	0	1	0	0
		2024	11	0	0	0	1	0	0
		2024	12	0	0	0	1	0	0
		2006	2	0	0	0	1	0	0
		2006	3	0	0	0	1	0	0
		2006	4	0	0	0	1	0	0
		2006	5	0	0	0	1	0	0
		2006	6	0	0	0	1	0	0
		2006	7	0	0	0	1	0	0
		2006	8	0	0	0	1	0	0
		2006	9	0	0	0	1	0	0
		2006	10	0	0	0	1	0	0
		2006	11	0	0	0	1	0	0
		2006	12	0	0	0	1	0	0
		2007	1	0	0	0	1	0	0
		2007	2	0	0	0	1	0	0
		2007	3	0	0	0	1	0	0
		2007	4	0	0	0	1	0	0
		2007	5	0	0	0	1	0	0
		2007	6	0	0	0	1	0	0
		2007	7	0	0	0	1	0	0
		2007	8	0	0	0	1	0	0
		2007	9	0	0	0	1	0	0
		2007	10	-1	0	0	1	0	0
		2007	11	0	0	0	1	0	0
		2007	12	0	0	0	1	0	0
		2008	1	0	0	0	1	0	0
		2008	2	0	0	0	1	0	0
		2008	3	0	0	0	1	0	0
		2008	4	0	0	0	1	0	0
		2008	5	0	0	0	1	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2008	6	0	0	1	0	0	0
		2008	7	0	0	1	0	0	0
		2008	8	0	0	1	0	0	0
		2008	9	0	0	1	0	0	0
		2008	10	0	0	1	0	0	0
		2008	11	0	0	1	0	0	0
		2008	12	0	0	1	0	0	0
		2009	1	-1	0	1	0	0	0
		2009	2	0	0	1	0	0	0
		2009	3	0	0	1	0	0	0
		2009	4	0	0	1	0	0	0
		2009	5	0	0	1	0	0	0
		2009	6	0	0	1	0	0	0
		2009	7	0	0	1	0	0	0
		2009	8	0	0	1	0	0	0
		2009	9	0	0	1	0	0	0
		2009	10	0	0	1	0	0	0
		2009	11	0	0	1	0	0	0
		2009	12	0	0	1	0	0	0
		2010	1	0	0	1	0	0	0
		2010	2	0	0	1	0	0	0
		2010	3	0	0	1	0	0	0
		2010	4	0	0	1	0	0	0
		2010	5	0	0	1	0	0	0
		2010	6	0	0	1	0	0	0
		2010	7	0	0	1	0	0	0
		2010	8	0	0	1	0	0	0
		2010	9	0	0	1	0	0	0
		2010	10	0	0	1	0	0	0
		2010	11	0	0	1	0	0	0
		2010	12	0	0	1	0	0	0
		2011	1	0	0	1	0	0	0
		2011	2	0	0	1	0	0	0
		2011	3	0	0	1	0	0	0
		2011	4	0	0	1	0	0	0
		2011	5	0	0	1	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2011	6	0	0	1	0	0	0
		2011	7	0	0	1	0	0	0
		2011	8	0	0	1	0	0	0
		2011	9	0	0	1	0	0	0
		2011	10	0	0	1	0	0	0
		2011	11	0	0	1	0	0	0
		2011	12	0	0	1	0	0	0
		2012	1	0	0	1	0	0	0
		2012	2	0	0	1	0	0	0
		2012	3	0	0	1	0	0	0
		2012	4	0	0	1	0	0	0
		2012	5	0	0	1	0	0	0
		2012	6	0	0	1	0	0	0
		2012	7	0	0	1	0	0	0
		2012	8	0	0	1	0	0	0
		2012	9	0	0	1	0	0	0
		2012	10	0	0	1	0	0	0
		2012	11	0	0	1	0	0	0
		2012	12	0	0	1	0	0	0
		2013	1	0	0	1	0	0	0
		2013	2	0	0	1	0	0	0
		2013	3	0	0	1	0	0	0
		2013	4	0	0	1	0	0	0
		2013	5	0	0	1	0	0	0
		2013	6	0	0	1	0	0	0
		2013	7	0	0	1	0	0	0
		2013	8	0	0	1	0	0	0
		2013	9	0	0	1	0	0	0
		2013	10	0	0	1	0	0	0
		2013	11	0	0	1	0	0	0
		2013	12	0	0	1	0	0	0
		2014	1	0	0	1	0	0	0
		2014	2	0	0	1	0	0	0
		2014	3	0	0	1	0	0	0
		2014	4	0	0	1	0	0	0
		2014	5	0	0	1	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2014	6	0	0	1	0	0	0
		2014	7	0	0	1	0	0	0
		2014	8	0	0	1	0	0	0
		2014	9	0	0	1	0	0	0
		2014	10	0	0	1	0	0	0
		2014	11	0	0	1	0	0	0
		2014	12	0	0	1	0	0	0
		2015	1	0	0	1	0	0	0
		2015	2	0	0	1	0	0	0
		2015	3	0	0	1	0	0	0
		2015	4	0	0	1	0	0	0
		2015	5	0	0	1	0	0	0
		2015	6	0	0	1	0	0	0
		2015	7	0	0	1	0	0	0
		2015	8	0	0	1	0	0	0
		2015	9	0	0	1	0	0	0
		2015	10	0	0	1	0	0	0
		2015	11	0	0	1	0	0	0
		2015	12	0	0	1	0	0	0
		2016	1	0	0	1	0	0	0
		2016	2	0	0	1	0	0	0
		2016	3	0	0	1	0	0	0
		2016	4	0	0	1	0	0	0
		2016	5	0	0	1	0	0	0
		2016	6	0	0	1	0	0	0
		2016	7	0	0	1	0	0	0
		2016	8	0	0	1	0	0	0
		2016	9	0	0	1	0	0	0
		2016	10	0	0	1	0	0	0
		2016	11	0	0	1	0	0	0
		2016	12	0	0	1	0	0	0
		2017	1	0	0	1	0	0	0
		2017	2	0	0	1	0	0	0
		2017	3	0	0	1	0	0	0
		2017	4	0	0	1	0	0	0
		2017	5	0	0	1	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2017	6	0	0	1	0	0	0
		2017	7	0	0	1	0	0	0
		2017	8	0	0	1	0	0	0
		2017	9	0	0	1	0	0	0
		2017	10	0	0	1	0	0	0
		2017	11	0	0	1	0	0	0
		2017	12	0	0	1	0	0	0
		2018	1	0	0	1	0	0	0
		2018	2	0	0	1	0	0	0
		2018	3	0	0	1	0	0	0
		2018	4	0	0	1	0	0	0
		2018	5	0	0	1	0	0	0
		2018	6	0	0	1	0	0	0
		2018	7	0	0	1	0	0	0
		2018	8	0	0	1	0	0	0
		2018	9	0	0	1	0	0	0
		2018	10	0	0	1	0	0	0
		2018	11	0	0	1	0	0	0
		2018	12	0	0	1	0	0	0
		2019	1	0	0	1	0	0	0
		2019	2	0	0	1	0	0	0
		2019	3	0	0	1	0	0	0
		2019	4	0	0	1	0	0	0
		2019	5	0	0	1	0	0	0
		2019	6	0	0	1	0	0	0
		2019	7	0	0	1	0	0	0
		2019	8	0	0	1	0	0	0
		2019	9	0	0	1	0	0	0
		2019	10	0	0	1	0	0	0
		2019	11	0	0	1	0	0	0
		2019	12	0	0	1	0	0	0
		2020	1	0	0	1	0	0	0
		2020	2	0	0	1	0	0	0
		2020	3	0	0	1	0	0	0
		2020	4	0	0	1	0	0	0
		2020	5	0	0	1	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2020	6	0	0	0	1	0	0
		2020	7	0	0	0	1	0	0
		2020	8	0	0	0	1	0	0
		2020	9	0	0	0	1	0	0
		2020	10	0	0	0	1	0	0
		2020	11	0	0	0	1	0	0
		2020	12	0	0	0	1	0	0
		2021	1	0	0	0	1	0	0
		2021	2	0	0	0	1	0	0
		2021	3	0	0	0	1	0	0
		2021	4	0	0	0	1	0	0
		2021	5	0	0	0	1	0	0
		2021	6	0	0	0	1	0	0
		2021	7	0	0	0	1	0	0
		2021	8	0	0	0	1	0	0
		2021	9	0	0	0	1	0	0
		2021	10	0	0	0	1	0	0
		2021	11	0	0	0	1	0	0
		2021	12	0	0	0	1	0	0
		2022	1	0	0	0	1	0	0
		2022	2	0	0	0	1	0	0
		2022	3	0	0	0	1	0	0
		2022	4	0	0	0	1	0	0
		2022	5	0	0	0	1	0	0
		2022	6	0	0	0	1	0	0
		2022	7	0	0	0	1	0	0
		2022	8	0	0	0	1	0	0
		2022	9	0	0	0	1	0	0
		2022	10	0	0	0	1	0	0
		2022	11	0	0	0	1	0	0
		2022	12	0	0	0	1	0	0
		2023	1	0	0	0	1	0	0
		2023	2	0	0	0	1	0	0
		2023	3	0	0	0	1	0	0
		2023	4	0	0	0	1	0	0
		2023	5	0	0	0	1	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2023	6	0	0	1	0	0	0
		2023	7	0	0	1	0	0	0
		2023	8	0	0	1	0	0	0
		2023	9	0	0	1	0	0	0
		2023	10	0	0	1	0	0	0
		2023	11	0	0	1	0	0	0
		2023	12	0	0	1	0	0	0
		2024	1	0	0	1	0	0	0
		2024	2	0	0	1	0	0	0
		2024	3	0	0	1	0	0	0
		2024	4	0	0	1	0	0	0
		2024	5	0	0	1	0	0	0
		2024	6	0	0	1	0	0	0
		2024	7	0	0	1	0	0	0
		2024	8	0	0	1	0	0	0
		2024	9	0	0	1	0	0	0
		2024	10	0	0	1	0	0	0
		2024	11	0	0	1	0	0	0
		2024	12	0	0	1	0	0	0
		2006	2	0	0	1	0	0	0
		2006	3	0	0	1	0	0	0
		2006	4	0	0	1	0	0	0
		2006	5	0	0	1	0	0	0
		2006	6	0	0	1	0	0	0
		2006	7	0	0	1	0	0	0
		2006	8	0	0	1	0	0	0
		2006	9	0	0	1	0	0	0
		2006	10	0	0	1	0	0	0
		2006	11	0	0	1	0	0	0
		2006	12	0	0	1	0	0	0
		2007	1	0	0	1	0	0	0
		2007	2	0	0	1	0	0	0
		2007	3	0	0	1	0	0	0
		2007	4	0	0	1	0	0	0
		2007	5	0	0	1	0	0	0
		2007	6	0	0	1	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2007	7	0	0	1	0	0	0
		2007	8	0	0	1	0	0	0
		2007	9	0	0	1	0	0	0
		2007	10	-1	0	1	0	0	0
		2007	11	0	0	1	0	0	0
		2007	12	0	0	1	0	0	0
		2008	1	0	0	1	0	0	0
		2008	2	0	0	1	0	0	0
		2008	3	0	0	1	0	0	0
		2008	4	0	0	1	0	0	0
		2008	5	0	0	1	0	0	0
		2008	6	0	0	1	0	0	0
		2008	7	0	0	1	0	0	0
		2008	8	0	0	1	0	0	0
		2008	9	0	0	1	0	0	0
		2008	10	0	0	1	0	0	0
		2008	11	0	0	1	0	0	0
		2008	12	0	0	1	0	0	0
		2009	1	0	-1	1	0	0	0
		2009	2	0	0	1	0	0	0
		2009	3	0	0	1	0	0	0
		2009	4	0	0	1	0	0	0
		2009	5	0	0	1	0	0	0
		2009	6	0	0	1	0	0	0
		2009	7	0	0	1	0	0	0
		2009	8	0	0	1	0	0	0
		2009	9	0	0	1	0	0	0
		2009	10	0	0	1	0	0	0
		2009	11	0	0	1	0	0	0
		2009	12	0	0	1	0	0	0
		2010	1	0	0	1	0	0	0
		2010	2	0	0	1	0	0	0
		2010	3	0	0	1	0	0	0
		2010	4	0	0	1	0	0	0
		2010	5	0	0	1	0	0	0
		2010	6	0	0	1	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2010	7	0	0	0	1	0	0
		2010	8	0	0	0	1	0	0
		2010	9	0	0	0	1	0	0
		2010	10	0	0	0	1	0	0
		2010	11	0	0	0	1	0	0
		2010	12	0	0	0	1	0	0
		2011	1	0	0	0	1	0	0
		2011	2	0	0	0	1	0	0
		2011	3	0	0	0	1	0	0
		2011	4	0	0	0	1	0	0
		2011	5	0	0	0	1	0	0
		2011	6	0	0	0	1	0	0
		2011	7	0	0	0	1	0	0
		2011	8	0	0	0	1	0	0
		2011	9	0	0	0	1	0	0
		2011	10	0	0	0	1	0	0
		2011	11	0	0	0	1	0	0
		2011	12	0	0	0	1	0	0
		2012	1	0	0	0	1	0	0
		2012	2	0	0	0	1	0	0
		2012	3	0	0	0	1	0	0
		2012	4	0	0	0	1	0	0
		2012	5	0	0	0	1	0	0
		2012	6	0	0	0	1	0	0
		2012	7	0	0	0	1	0	0
		2012	8	0	0	0	1	0	0
		2012	9	0	0	0	1	0	0
		2012	10	0	0	0	1	0	0
		2012	11	0	0	0	1	0	0
		2012	12	0	0	0	1	0	0
		2013	1	0	0	0	1	0	0
		2013	2	0	0	0	1	0	0
		2013	3	0	0	0	1	0	0
		2013	4	0	0	0	1	0	0
		2013	5	0	0	0	1	0	0
		2013	6	0	0	0	1	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2013	7	0	0	1	0	0	0
		2013	8	0	0	1	0	0	0
		2013	9	0	0	1	0	0	0
		2013	10	0	0	1	0	0	0
		2013	11	0	0	1	0	0	0
		2013	12	0	0	1	0	0	0
		2014	1	0	0	1	0	0	0
		2014	2	0	0	1	0	0	0
		2014	3	0	0	1	0	0	0
		2014	4	0	0	1	0	0	0
		2014	5	0	0	1	0	0	0
		2014	6	0	0	1	0	0	0
		2014	7	0	0	1	0	0	0
		2014	8	0	0	1	0	0	0
		2014	9	0	0	1	0	0	0
		2014	10	0	0	1	0	0	0
		2014	11	0	0	1	0	0	0
		2014	12	0	0	1	0	0	0
		2015	1	0	0	1	0	0	0
		2015	2	0	0	1	0	0	0
		2015	3	0	0	1	0	0	0
		2015	4	0	0	1	0	0	0
		2015	5	0	0	1	0	0	0
		2015	6	0	0	1	0	0	0
		2015	7	0	0	1	0	0	0
		2015	8	0	0	1	0	0	0
		2015	9	0	0	1	0	0	0
		2015	10	0	0	1	0	0	0
		2015	11	0	0	1	0	0	0
		2015	12	0	0	1	0	0	0
		2016	1	0	0	1	0	0	0
		2016	2	0	0	1	0	0	0
		2016	3	0	0	1	0	0	0
		2016	4	0	0	1	0	0	0
		2016	5	0	0	1	0	0	0
		2016	6	0	0	1	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2016	7	0	0	1	0	0	0
		2016	8	0	0	1	0	0	0
		2016	9	0	0	1	0	0	0
		2016	10	0	0	1	0	0	0
		2016	11	0	0	1	0	0	0
		2016	12	0	0	1	0	0	0
		2017	1	0	0	1	0	0	0
		2017	2	0	0	1	0	0	0
		2017	3	0	0	1	0	0	0
		2017	4	0	0	1	0	0	0
		2017	5	0	0	1	0	0	0
		2017	6	0	0	1	0	0	0
		2017	7	0	0	1	0	0	0
		2017	8	0	0	1	0	0	0
		2017	9	0	0	1	0	0	0
		2017	10	0	0	1	0	0	0
		2017	11	0	0	1	0	0	0
		2017	12	0	0	1	0	0	0
		2018	1	0	0	1	0	0	0
		2018	2	0	0	1	0	0	0
		2018	3	0	0	1	0	0	0
		2018	4	0	0	1	0	0	0
		2018	5	0	0	1	0	0	0
		2018	6	0	0	1	0	0	0
		2018	7	0	0	1	0	0	0
		2018	8	0	0	1	0	0	0
		2018	9	0	0	1	0	0	0
		2018	10	0	0	1	0	0	0
		2018	11	0	0	1	0	0	0
		2018	12	0	0	1	0	0	0
		2019	1	0	0	1	0	0	0
		2019	2	0	0	1	0	0	0
		2019	3	0	0	1	0	0	0
		2019	4	0	0	1	0	0	0
		2019	5	0	0	1	0	0	0
		2019	6	0	0	1	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2019	7		0	0	1	0	0
		2019	8		0	0	1	0	0
		2019	9		0	0	1	0	0
		2019	10		0	0	1	0	0
		2019	11		0	0	1	0	0
		2019	12		0	0	1	0	0
		2020	1		0	0	1	0	0
		2020	2		0	0	1	0	0
		2020	3		0	0	1	0	0
		2020	4		0	0	1	0	0
		2020	5		0	0	1	0	0
		2020	6		0	0	1	0	0
		2020	7		0	0	1	0	0
		2020	8		0	0	1	0	0
		2020	9		0	0	1	0	0
		2020	10		0	0	1	0	0
		2020	11		0	0	1	0	0
		2020	12		0	0	1	0	0
		2021	1		0	0	1	0	0
		2021	2		0	0	1	0	0
		2021	3		0	0	1	0	0
		2021	4		0	0	1	0	0
		2021	5		0	0	1	0	0
		2021	6		0	0	1	0	0
		2021	7		0	0	1	0	0
		2021	8		0	0	1	0	0
		2021	9		0	0	1	0	0
		2021	10		0	0	1	0	0
		2021	11		0	0	1	0	0
		2021	12		0	0	1	0	0
		2022	1		0	0	1	0	0
		2022	2		0	0	1	0	0
		2022	3		0	0	1	0	0
		2022	4		0	0	1	0	0
		2022	5		0	0	1	0	0
		2022	6		0	0	1	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2022	7	0	0	1	0	0	0
		2022	8	0	0	1	0	0	0
		2022	9	0	0	1	0	0	0
		2022	10	0	0	1	0	0	0
		2022	11	0	0	1	0	0	0
		2022	12	0	0	1	0	0	0
		2023	1	0	0	1	0	0	0
		2023	2	0	0	1	0	0	0
		2023	3	0	0	1	0	0	0
		2023	4	0	0	1	0	0	0
		2023	5	0	0	1	0	0	0
		2023	6	0	0	1	0	0	0
		2023	7	0	0	1	0	0	0
		2023	8	0	0	1	0	0	0
		2023	9	0	0	1	0	0	0
		2023	10	0	0	1	0	0	0
		2023	11	0	0	1	0	0	0
		2023	12	0	0	1	0	0	0
		2024	1	0	0	1	0	0	0
		2024	2	0	0	1	0	0	0
		2024	3	0	0	1	0	0	0
		2024	4	0	0	1	0	0	0
		2024	5	0	0	1	0	0	0
		2024	6	0	0	1	0	0	0
		2024	7	0	0	1	0	0	0
		2024	8	0	0	1	0	0	0
		2024	9	0	0	1	0	0	0
		2024	10	0	0	1	0	0	0
		2024	11	0	0	1	0	0	0
		2024	12	0	0	1	0	0	0
		2000	1	0	0	0	0	0	0
		2000	2	0	0	0	0	0	0
		2000	3	0	0	0	0	0	0
		2000	4	0	0	0	0	0	0
		2000	5	0	0	0	0	0	0
		2000	6	0	0	0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2000	7	0	0	0	0	0	0
		2000	8	0	0	0	0	0	0
		2000	9	0	0	0	0	0	0
		2000	10	0	0	0	0	0	0
		2000	11	0	0	0	0	0	0
		2000	12	0	0	0	0	0	0
		2001	1	0	0	0	0	0	0
		2001	2	0	0	0	0	0	0
		2001	3	0	0	0	0	0	0
		2001	4	0	0	0	0	0	0
		2001	5	0	0	0	0	0	0
		2001	6	0	0	0	0	0	0
		2001	7	0	0	0	0	0	0
		2001	8	0	0	0	0	0	0
		2001	9	0	0	0	0	0	0
		2001	10	0	0	0	0	0	0
		2001	11	0	0	0	0	0	0
		2001	12	0	0	0	0	0	0
		2002	1	0	0	0	0	0	0
		2002	2	0	0	0	0	0	0
		2002	3	0	0	0	0	0	0
		2002	4	0	0	0	0	0	0
		2002	5	0	0	0	0	0	0
		2002	6	0	0	0	0	0	0
		2002	7	0	0	0	0	0	0
		2002	8	0	0	0	0	0	0
		2002	9	0	0	0	0	0	0
		2002	10	0	0	0	0	0	0
		2002	11	0	0	0	0	0	0
		2002	12	0	0	0	0	0	0
		2003	1	0	0	0	0	0	0
		2003	2	0	0	0	0	0	0
		2003	3	0	0	0	0	0	0
		2003	4	0	0	0	0	0	0
		2003	5	0	0	0	0	0	0
		2003	6	0	0	0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2003	7		0	0	0	0	0
		2003	8		0	0	0	0	0
		2003	9		0	0	0	0	0
		2003	10		0	0	0	0	0
		2003	11		0	0	0	0	0
		2003	12		0	0	0	0	0
		2004	1		0	0	0	0	-1
		2004	2		0	0	1	0	0
		2004	3		0	0	1	0	0
		2004	4		0	0	1	0	0
		2004	5		0	0	1	0	0
		2004	6		0	0	1	0	0
		2004	7		0	0	1	0	0
		2004	8		0	0	1	0	0
		2004	9		0	0	1	0	0
		2004	10		0	0	1	0	0
		2004	11		0	0	1	0	0
		2004	12		0	0	1	0	0
		2005	1		0	0	1	0	0
		2005	2		0	0	1	-1	0
		2005	3		0	0	1	0	0
		2005	4		0	0	1	0	0
		2005	5		0	0	1	0	0
		2005	6		0	0	1	0	0
		2005	7		0	0	1	0	0
		2005	8		0	0	1	0	0
		2005	9		0	0	1	0	0
		2005	10		0	0	1	0	0
		2005	11		0	0	1	0	0
		2005	12		0	0	1	0	0
		2006	1		0	0	1	0	0
		2006	2		0	0	1	0	0
		2006	3		0	0	1	0	0
		2006	4		0	0	1	0	0
		2006	5		0	0	1	0	0
		2006	6		0	0	1	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2006	7	0	0	0	1	0	0
		2006	8	0	0	0	1	0	0
		2006	9	0	0	0	1	0	0
		2006	10	0	0	0	1	0	0
		2006	11	0	0	0	1	0	0
		2006	12	0	0	0	1	0	0
		2007	1	0	0	0	1	0	0
		2007	2	0	0	0	1	0	0
		2007	3	0	0	0	1	0	0
		2007	4	0	0	0	1	0	0
		2007	5	0	0	0	1	0	0
		2007	6	0	0	0	1	0	0
		2007	7	0	0	0	1	0	0
		2007	8	0	0	0	1	0	0
		2007	9	0	0	0	1	0	0
		2007	10	-1	0	0	1	0	0
		2007	11	0	0	0	1	0	0
		2007	12	0	0	0	1	0	0
		2008	1	0	0	0	1	0	0
		2008	2	0	0	0	1	0	0
		2008	3	0	0	0	1	0	0
		2008	4	0	0	0	1	0	0
		2008	5	0	0	0	1	0	0
		2008	6	0	0	0	1	0	0
		2008	7	0	0	0	1	0	0
		2008	8	0	0	0	1	0	0
		2008	9	0	0	0	1	0	0
		2008	10	0	0	0	1	0	0
		2008	11	0	0	0	1	0	0
		2008	12	0	0	0	1	0	0
		2009	1	0	-1	0	1	0	0
		2009	2	0	0	0	1	0	0
		2009	3	0	0	0	1	0	0
		2009	4	0	0	0	1	0	0
		2009	5	0	0	0	1	0	0
		2009	6	0	0	0	1	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2009	7		0	0	1	0	0
		2009	8		0	0	1	0	0
		2009	9		0	0	1	0	0
		2009	10		0	0	1	0	0
		2009	11		0	0	1	0	0
		2009	12		0	0	1	0	0
		2010	1		0	0	1	0	0
		2010	2		0	0	1	0	0
		2010	3		0	0	1	0	0
		2010	4		0	0	1	0	0
		2010	5		0	0	1	0	0
		2010	6		0	0	1	0	0
		2010	7		0	0	1	0	0
		2010	8		0	0	1	0	0
		2010	9		0	0	1	0	0
		2010	10		0	0	1	0	0
		2010	11		0	0	1	0	0
		2010	12		0	0	1	0	0
		2011	1		0	0	1	0	0
		2011	2		0	0	1	0	0
		2011	3		0	0	1	0	0
		2011	4		0	0	1	0	0
		2011	5		0	0	1	0	0
		2011	6		0	0	1	0	0
		2011	7		0	0	1	0	0
		2011	8		0	0	1	0	0
		2011	9		0	0	1	0	0
		2011	10		0	0	1	0	0
		2011	11		0	0	1	0	0
		2011	12		0	0	1	0	0
		2012	1		0	0	1	0	0
		2012	2		0	0	1	0	0
		2012	3		0	0	1	0	0
		2012	4		0	0	1	0	0
		2012	5		0	0	1	0	0
		2012	6		0	0	1	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2012	7	0	0	1	0	0	0
		2012	8	0	0	1	0	0	0
		2012	9	0	0	1	0	0	0
		2012	10	0	0	1	0	0	0
		2012	11	0	0	1	0	0	0
		2012	12	0	0	1	0	0	0
		2013	1	0	0	1	0	0	0
		2013	2	0	0	1	0	0	0
		2013	3	0	0	1	0	0	0
		2013	4	0	0	1	0	0	0
		2013	5	0	0	1	0	0	0
		2013	6	0	0	1	0	0	0
		2013	7	0	0	1	0	0	0
		2013	8	0	0	1	0	0	0
		2013	9	0	0	1	0	0	0
		2013	10	0	0	1	0	0	0
		2013	11	0	0	1	0	0	0
		2013	12	0	0	1	0	0	0
		2014	1	0	0	1	0	0	0
		2014	2	0	0	1	0	0	0
		2014	3	0	0	1	0	0	0
		2014	4	0	0	1	0	0	0
		2014	5	0	0	1	0	0	0
		2014	6	0	0	1	0	0	0
		2014	7	0	0	1	0	0	0
		2014	8	0	0	1	0	0	0
		2014	9	0	0	1	0	0	0
		2014	10	0	0	1	0	0	0
		2014	11	0	0	1	0	0	0
		2014	12	0	0	1	0	0	0
		2015	1	0	0	1	0	0	0
		2015	2	0	0	1	0	0	0
		2015	3	0	0	1	0	0	0
		2015	4	0	0	1	0	0	0
		2015	5	0	0	1	0	0	0
		2015	6	0	0	1	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2015	7	0	0	1	0	0	0
		2015	8	0	0	1	0	0	0
		2015	9	0	0	1	0	0	0
		2015	10	0	0	1	0	0	0
		2015	11	0	0	1	0	0	0
		2015	12	0	0	1	0	0	0
		2016	1	0	0	1	0	0	0
		2016	2	0	0	1	0	0	0
		2016	3	0	0	1	0	0	0
		2016	4	0	0	1	0	0	0
		2016	5	0	0	1	0	0	0
		2016	6	0	0	1	0	0	0
		2016	7	0	0	1	0	0	0
		2016	8	0	0	1	0	0	0
		2016	9	0	0	1	0	0	0
		2016	10	0	0	1	0	0	0
		2016	11	0	0	1	0	0	0
		2016	12	0	0	1	0	0	0
		2017	1	0	0	1	0	0	0
		2017	2	0	0	1	0	0	0
		2017	3	0	0	1	0	0	0
		2017	4	0	0	1	0	0	0
		2017	5	0	0	1	0	0	0
		2017	6	0	0	1	0	0	0
		2017	7	0	0	1	0	0	0
		2017	8	0	0	1	0	0	0
		2017	9	0	0	1	0	0	0
		2017	10	0	0	1	0	0	0
		2017	11	0	0	1	0	0	0
		2017	12	0	0	1	0	0	0
		2018	1	0	0	1	0	0	0
		2018	2	0	0	1	0	0	0
		2018	3	0	0	1	0	0	0
		2018	4	0	0	1	0	0	0
		2018	5	0	0	1	0	0	0
		2018	6	0	0	1	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2018	7	0	0	1	0	0	0
		2018	8	0	0	1	0	0	0
		2018	9	0	0	1	0	0	0
		2018	10	0	0	1	0	0	0
		2018	11	0	0	1	0	0	0
		2018	12	0	0	1	0	0	0
		2019	1	0	0	1	0	0	0
		2019	2	0	0	1	0	0	0
		2019	3	0	0	1	0	0	0
		2019	4	0	0	1	0	0	0
		2019	5	0	0	1	0	0	0
		2019	6	0	0	1	0	0	0
		2019	7	0	0	1	0	0	0
		2019	8	0	0	1	0	0	0
		2019	9	0	0	1	0	0	0
		2019	10	0	0	1	0	0	0
		2019	11	0	0	1	0	0	0
		2019	12	0	0	1	0	0	0
		2020	1	0	0	1	0	0	0
		2020	2	0	0	1	0	0	0
		2020	3	0	0	1	0	0	0
		2020	4	0	0	1	0	0	0
		2020	5	0	0	1	0	0	0
		2020	6	0	0	1	0	0	0
		2020	7	0	0	1	0	0	0
		2020	8	0	0	1	0	0	0
		2020	9	0	0	1	0	0	0
		2020	10	0	0	1	0	0	0
		2020	11	0	0	1	0	0	0
		2020	12	0	0	1	0	0	0
		2021	1	0	0	1	0	0	0
		2021	2	0	0	1	0	0	0
		2021	3	0	0	1	0	0	0
		2021	4	0	0	1	0	0	0
		2021	5	0	0	1	0	0	0
		2021	6	0	0	1	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2021	7	0	0	1	0	0	0
		2021	8	0	0	1	0	0	0
		2021	9	0	0	1	0	0	0
		2021	10	0	0	1	0	0	0
		2021	11	0	0	1	0	0	0
		2021	12	0	0	1	0	0	0
		2022	1	0	0	1	0	0	0
		2022	2	0	0	1	0	0	0
		2022	3	0	0	1	0	0	0
		2022	4	0	0	1	0	0	0
		2022	5	0	0	1	0	0	0
		2022	6	0	0	1	0	0	0
		2022	7	0	0	1	0	0	0
		2022	8	0	0	1	0	0	0
		2022	9	0	0	1	0	0	0
		2022	10	0	0	1	0	0	0
		2022	11	0	0	1	0	0	0
		2022	12	0	0	1	0	0	0
		2023	1	0	0	1	0	0	0
		2023	2	0	0	1	0	0	0
		2023	3	0	0	1	0	0	0
		2023	4	0	0	1	0	0	0
		2023	5	0	0	1	0	0	0
		2023	6	0	0	1	0	0	0
		2023	7	0	0	1	0	0	0
		2023	8	0	0	1	0	0	0
		2023	9	0	0	1	0	0	0
		2023	10	0	0	1	0	0	0
		2023	11	0	0	1	0	0	0
		2023	12	0	0	1	0	0	0
		2024	1	0	0	1	0	0	0
		2024	2	0	0	1	0	0	0
		2024	3	0	0	1	0	0	0
		2024	4	0	0	1	0	0	0
		2024	5	0	0	1	0	0	0
		2024	6	0	0	1	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2006	7	0	0	0	1	0	0
		2006	8	0	0	0	1	0	0
		2006	9	0	0	0	1	0	0
		2006	10	0	0	0	1	0	0
		2006	11	0	0	0	1	0	0
		2006	12	0	0	0	1	0	0
		2007	1	0	0	0	1	0	0
		2007	2	0	0	0	1	0	0
		2007	3	0	0	0	1	0	0
		2007	4	0	0	0	1	0	0
		2007	5	0	0	0	1	0	0
		2007	6	0	0	0	1	0	0
		2007	7	0	0	0	1	0	0
		2007	8	0	0	0	1	0	0
		2007	9	0	0	0	1	0	0
		2007	10	-1	0	0	1	0	0
		2007	11	0	0	0	1	0	0
		2007	12	0	0	0	1	0	0
		2008	1	0	0	0	1	0	0
		2008	2	0	0	0	1	0	0
		2008	3	0	0	0	1	0	0
		2008	4	0	0	0	1	0	0
		2008	5	0	0	0	1	0	0
		2008	6	0	0	0	1	0	0
		2008	7	0	0	0	1	0	0
		2008	8	0	0	0	1	0	0
		2008	9	0	0	0	1	0	0
		2008	10	0	0	0	1	0	0
		2008	11	0	0	0	1	0	0
		2008	12	0	0	0	1	0	0
		2009	1	0	-1	0	1	0	0
		2009	2	0	0	0	1	0	0
		2009	3	0	0	0	1	0	0
		2009	4	0	0	0	1	0	0
		2009	5	0	0	0	1	0	0
		2009	6	0	0	0	1	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2009	7	0	0	1	0	0	0
		2009	8	0	0	1	0	0	0
		2009	9	0	0	1	0	0	0
		2009	10	0	0	1	0	0	0
		2009	11	0	0	1	0	0	0
		2009	12	0	0	1	0	0	0
		2010	1	0	0	1	0	0	0
		2010	2	0	0	1	0	0	0
		2010	3	0	0	1	0	0	0
		2010	4	0	0	1	0	0	0
		2010	5	0	0	1	0	0	0
		2010	6	0	0	1	0	0	0
		2010	7	0	0	1	0	0	0
		2010	8	0	0	1	0	0	0
		2010	9	0	0	1	0	0	0
		2010	10	0	0	1	0	0	0
		2010	11	0	0	1	0	0	0
		2010	12	0	0	1	0	0	0
		2011	1	0	0	1	0	0	0
		2011	2	0	0	1	0	0	0
		2011	3	0	0	1	0	0	0
		2011	4	0	0	1	0	0	0
		2011	5	0	0	1	0	0	0
		2011	6	0	0	1	0	0	0
		2011	7	0	0	1	0	0	0
		2011	8	0	0	1	0	0	0
		2011	9	0	0	1	0	0	0
		2011	10	0	0	1	0	0	0
		2011	11	0	0	1	0	0	0
		2011	12	0	0	1	0	0	0
		2012	1	0	0	1	0	0	0
		2012	2	0	0	1	0	0	0
		2012	3	0	0	1	0	0	0
		2012	4	0	0	1	0	0	0
		2012	5	0	0	1	0	0	0
		2012	6	0	0	1	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2012	7	0	0	0	1	0	0
		2012	8	0	0	0	1	0	0
		2012	9	0	0	0	1	0	0
		2012	10	0	0	0	1	0	0
		2012	11	0	0	0	1	0	0
		2012	12	0	0	0	1	0	0
		2013	1	0	0	0	1	0	0
		2013	2	0	0	0	1	0	0
		2013	3	0	0	0	1	0	0
		2013	4	0	0	0	1	0	0
		2013	5	0	0	0	1	0	0
		2013	6	0	0	0	1	0	0
		2013	7	0	0	0	1	0	0
		2013	8	0	0	0	1	0	0
		2013	9	0	0	0	1	0	0
		2013	10	0	0	0	1	0	0
		2013	11	0	0	0	1	0	0
		2013	12	0	0	0	1	0	0
		2014	1	0	0	0	1	0	0
		2014	2	0	0	0	1	0	0
		2014	3	0	0	0	1	0	0
		2014	4	0	0	0	1	0	0
		2014	5	0	0	0	1	0	0
		2014	6	0	0	0	1	0	0
		2014	7	0	0	0	1	0	0
		2014	8	0	0	0	1	0	0
		2014	9	0	0	0	1	0	0
		2014	10	0	0	0	1	0	0
		2014	11	0	0	0	1	0	0
		2014	12	0	0	0	1	0	0
		2015	1	0	0	0	1	0	0
		2015	2	0	0	0	1	0	0
		2015	3	0	0	0	1	0	0
		2015	4	0	0	0	1	0	0
		2015	5	0	0	0	1	0	0
		2015	6	0	0	0	1	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2015	7	0	0	0	1	0	0
		2015	8	0	0	0	1	0	0
		2015	9	0	0	0	1	0	0
		2015	10	0	0	0	1	0	0
		2015	11	0	0	0	1	0	0
		2015	12	0	0	0	1	0	0
		2016	1	0	0	0	1	0	0
		2016	2	0	0	0	1	0	0
		2016	3	0	0	0	1	0	0
		2016	4	0	0	0	1	0	0
		2016	5	0	0	0	1	0	0
		2016	6	0	0	0	1	0	0
		2016	7	0	0	0	1	0	0
		2016	8	0	0	0	1	0	0
		2016	9	0	0	0	1	0	0
		2016	10	0	0	0	1	0	0
		2016	11	0	0	0	1	0	0
		2016	12	0	0	0	1	0	0
		2017	1	0	0	0	1	0	0
		2017	2	0	0	0	1	0	0
		2017	3	0	0	0	1	0	0
		2017	4	0	0	0	1	0	0
		2017	5	0	0	0	1	0	0
		2017	6	0	0	0	1	0	0
		2017	7	0	0	0	1	0	0
		2017	8	0	0	0	1	0	0
		2017	9	0	0	0	1	0	0
		2017	10	0	0	0	1	0	0
		2017	11	0	0	0	1	0	0
		2017	12	0	0	0	1	0	0
		2018	1	0	0	0	1	0	0
		2018	2	0	0	0	1	0	0
		2018	3	0	0	0	1	0	0
		2018	4	0	0	0	1	0	0
		2018	5	0	0	0	1	0	0
		2018	6	0	0	0	1	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2018	7	0	0	1	0	0	0
		2018	8	0	0	1	0	0	0
		2018	9	0	0	1	0	0	0
		2018	10	0	0	1	0	0	0
		2018	11	0	0	1	0	0	0
		2018	12	0	0	1	0	0	0
		2019	1	0	0	1	0	0	0
		2019	2	0	0	1	0	0	0
		2019	3	0	0	1	0	0	0
		2019	4	0	0	1	0	0	0
		2019	5	0	0	1	0	0	0
		2019	6	0	0	1	0	0	0
		2019	7	0	0	1	0	0	0
		2019	8	0	0	1	0	0	0
		2019	9	0	0	1	0	0	0
		2019	10	0	0	1	0	0	0
		2019	11	0	0	1	0	0	0
		2019	12	0	0	1	0	0	0
		2020	1	0	0	1	0	0	0
		2020	2	0	0	1	0	0	0
		2020	3	0	0	1	0	0	0
		2020	4	0	0	1	0	0	0
		2020	5	0	0	1	0	0	0
		2020	6	0	0	1	0	0	0
		2020	7	0	0	1	0	0	0
		2020	8	0	0	1	0	0	0
		2020	9	0	0	1	0	0	0
		2020	10	0	0	1	0	0	0
		2020	11	0	0	1	0	0	0
		2020	12	0	0	1	0	0	0
		2021	1	0	0	1	0	0	0
		2021	2	0	0	1	0	0	0
		2021	3	0	0	1	0	0	0
		2021	4	0	0	1	0	0	0
		2021	5	0	0	1	0	0	0
		2021	6	0	0	1	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2021	7	0	0	1	0	0	0
		2021	8	0	0	1	0	0	0
		2021	9	0	0	1	0	0	0
		2021	10	0	0	1	0	0	0
		2021	11	0	0	1	0	0	0
		2021	12	0	0	1	0	0	0
		2022	1	0	0	1	0	0	0
		2022	2	0	0	1	0	0	0
		2022	3	0	0	1	0	0	0
		2022	4	0	0	1	0	0	0
		2022	5	0	0	1	0	0	0
		2022	6	0	0	1	0	0	0
		2022	7	0	0	1	0	0	0
		2022	8	0	0	1	0	0	0
		2022	9	0	0	1	0	0	0
		2022	10	0	0	1	0	0	0
		2022	11	0	0	1	0	0	0
		2022	12	0	0	1	0	0	0
		2023	1	0	0	1	0	0	0
		2023	2	0	0	1	0	0	0
		2023	3	0	0	1	0	0	0
		2023	4	0	0	1	0	0	0
		2023	5	0	0	1	0	0	0
		2023	6	0	0	1	0	0	0
		2023	7	0	0	1	0	0	0
		2023	8	0	0	1	0	0	0
		2023	9	0	0	1	0	0	0
		2023	10	0	0	1	0	0	0
		2023	11	0	0	1	0	0	0
		2023	12	0	0	1	0	0	0
		2024	1	0	0	1	0	0	0
		2024	2	0	0	1	0	0	0
		2024	3	0	0	1	0	0	0
		2024	4	0	0	1	0	0	0
		2024	5	0	0	1	0	0	0
		2024	6	0	0	1	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2024	7		0	0	1	0	0
		2024	8		0	0	1	0	0
		2024	9		0	0	1	0	0
		2024	10		0	0	1	0	0
		2024	11		0	0	1	0	0
		2024	12		0	0	1	0	0
		1996	1		0	0	0	0	0
		1996	2		0	0	0	0	0
		1996	3		0	0	0	0	0
		1996	4		0	0	0	0	0
		1999	1		0	0	0	0	0
		1999	2		0	0	0	0	0
		1999	3		0	0	0	0	0
		1999	4		0	0	0	0	0
		1999	5		0	0	0	0	0
		1999	6		0	0	0	0	0
		1999	7		0	0	0	0	0
		1999	8		0	0	0	0	0
		1999	9		0	0	0	0	0
		1999	10		0	0	0	0	0
		1999	11		0	0	0	0	0
		1999	12		0	0	0	0	0
		2000	1		0	0	0	0	0
		2000	2		0	0	0	0	0
		2000	3		0	0	0	0	0
		2000	4		0	0	0	0	0
		2000	5		0	0	0	0	0
		2000	6		0	0	0	0	0
		2000	7		0	0	0	0	0
		2000	8		0	0	0	0	0
		2000	9		0	0	0	0	0
		2000	10		0	0	0	0	0
		2000	11		0	0	0	0	0
		2000	12		0	0	0	0	0
		2001	1		0	0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2001	2	0	0	0	0	0	0
		2001	3	0	0	0	0	0	0
		2001	4	0	0	0	0	0	0
		2001	5	0	0	0	0	0	0
		2001	6	0	0	0	0	0	0
		2001	7	0	0	0	0	0	0
		2001	8	0	0	0	0	0	0
		2001	9	0	0	0	0	0	0
		2001	10	0	0	0	0	0	0
		2001	11	0	0	0	0	0	0
		2001	12	0	0	0	0	0	0
		2002	1	0	0	0	0	0	0
		2002	2	0	0	0	0	0	0
		2002	3	0	0	0	0	0	0
		2002	4	0	0	0	0	0	0
		2002	5	0	0	0	0	0	0
		2002	6	0	0	0	0	0	0
		2002	7	0	0	0	0	0	0
		2002	8	0	0	0	0	0	0
		2002	9	0	0	0	0	0	0
		2002	10	0	0	0	0	0	0
		2002	11	0	0	0	0	0	0
		2002	12	0	0	0	0	0	0
		2003	1	0	0	0	0	0	0
		2003	2	0	0	0	0	0	0
		2003	3	0	0	0	0	0	0
		2003	4	0	0	0	0	0	0
		2003	5	0	0	0	0	0	0
		2003	6	0	0	0	0	0	0
		2003	7	0	0	0	0	0	0
		2003	8	0	0	0	0	0	0
		2003	9	0	0	0	0	0	0
		2003	10	0	0	0	0	0	0
		2003	11	0	0	0	0	0	0
		2003	12	0	0	0	0	0	0
		2004	1	0	0	0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2004	2	0	0	0	1	0	0
		2004	3	0	0	0	1	0	0
		2004	4	0	0	0	1	0	0
		2004	5	0	0	0	1	0	0
		2004	6	0	0	0	1	0	0
		2004	7	0	0	0	1	0	0
		2004	8	0	0	0	1	0	0
		2004	9	0	0	0	1	0	0
		2004	10	0	0	0	1	0	0
		2004	11	0	0	0	1	0	0
		2004	12	0	0	0	1	0	0
		2005	1	0	0	0	1	0	0
		2005	2	0	0	0	1	-1	0
		2005	3	0	0	0	1	0	0
		2005	4	0	0	0	1	0	0
		2005	5	0	0	0	1	0	0
		2005	6	0	0	0	1	0	0
		2005	7	0	0	0	1	0	0
		2005	8	0	0	0	1	0	0
		2005	9	0	0	0	1	0	0
		2005	10	0	0	0	1	0	0
		2005	11	0	0	0	1	0	0
		2005	12	0	0	0	1	0	0
		2006	1	0	0	0	1	0	0
		2006	2	0	0	0	1	0	0
		2006	3	0	0	0	1	0	0
		2006	4	0	0	0	1	0	0
		2006	5	0	0	0	1	0	0
		2006	6	0	0	0	1	0	0
		2006	7	0	0	0	1	0	0
		2006	8	0	0	0	1	0	0
		2006	9	0	0	0	1	0	0
		2006	10	0	0	0	1	0	0
		2006	11	0	0	0	1	0	0
		2006	12	0	0	0	1	0	0
		2007	1	0	0	0	1	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2007	2	0	0	0	1	0	0
		2007	3	0	0	0	1	0	0
		2007	4	0	0	0	1	0	0
		2007	5	0	0	0	1	0	0
		2007	6	0	0	0	1	0	0
		2007	7	0	0	0	1	0	0
		2007	8	0	0	0	1	0	0
		2007	9	0	0	0	1	0	0
		2007	10	-1	0	0	1	0	0
		2007	11	0	0	0	1	0	0
		2007	12	0	0	0	1	0	0
		2008	1	0	0	0	1	0	0
		2008	2	0	0	0	1	0	0
		2008	3	0	0	0	1	0	0
		2008	4	0	0	0	1	0	0
		2008	5	0	0	0	1	0	0
		2008	6	0	0	0	1	0	0
		2008	7	0	0	0	1	0	0
		2008	8	0	0	0	1	0	0
		2008	9	0	0	0	1	0	0
		2008	10	0	0	0	1	0	0
		2008	11	0	0	0	1	0	0
		2008	12	0	0	0	1	0	0
		2009	1	0	0	-1	1	0	0
		2009	2	0	0	0	1	0	0
		2009	3	0	0	0	1	0	0
		2009	4	0	0	0	1	0	0
		2009	5	0	0	0	1	0	0
		2009	6	0	0	0	1	0	0
		2009	7	0	0	0	1	0	0
		2009	8	0	0	0	1	0	0
		2009	9	0	0	0	1	0	0
		2009	10	0	0	0	1	0	0
		2009	11	0	0	0	1	0	0
		2009	12	0	0	0	1	0	0
		2010	1	0	0	0	1	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2010	2	0	0	0	1	0	0
		2010	3	0	0	0	1	0	0
		2010	4	0	0	0	1	0	0
		2010	5	0	0	0	1	0	0
		2010	6	0	0	0	1	0	0
		2010	7	0	0	0	1	0	0
		2010	8	0	0	0	1	0	0
		2010	9	0	0	0	1	0	0
		2010	10	0	0	0	1	0	0
		2010	11	0	0	0	1	0	0
		2010	12	0	0	0	1	0	0
		2011	1	0	0	0	1	0	0
		2011	2	0	0	0	1	0	0
		2011	3	0	0	0	1	0	0
		2011	4	0	0	0	1	0	0
		2011	5	0	0	0	1	0	0
		2011	6	0	0	0	1	0	0
		2011	7	0	0	0	1	0	0
		2011	8	0	0	0	1	0	0
		2011	9	0	0	0	1	0	0
		2011	10	0	0	0	1	0	0
		2011	11	0	0	0	1	0	0
		2011	12	0	0	0	1	0	0
		2012	1	0	0	0	1	0	0
		2012	2	0	0	0	1	0	0
		2012	3	0	0	0	1	0	0
		2012	4	0	0	0	1	0	0
		2012	5	0	0	0	1	0	0
		2012	6	0	0	0	1	0	0
		2012	7	0	0	0	1	0	0
		2012	8	0	0	0	1	0	0
		2012	9	0	0	0	1	0	0
		2012	10	0	0	0	1	0	0
		2012	11	0	0	0	1	0	0
		2012	12	0	0	0	1	0	0
		2013	1	0	0	0	1	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2013	2	0	0	0	1	0	0
		2013	3	0	0	0	1	0	0
		2013	4	0	0	0	1	0	0
		2013	5	0	0	0	1	0	0
		2013	6	0	0	0	1	0	0
		2013	7	0	0	0	1	0	0
		2013	8	0	0	0	1	0	0
		2013	9	0	0	0	1	0	0
		2013	10	0	0	0	1	0	0
		2013	11	0	0	0	1	0	0
		2013	12	0	0	0	1	0	0
		2014	1	0	0	0	1	0	0
		2014	2	0	0	0	1	0	0
		2014	3	0	0	0	1	0	0
		2014	4	0	0	0	1	0	0
		2014	5	0	0	0	1	0	0
		2014	6	0	0	0	1	0	0
		2014	7	0	0	0	1	0	0
		2014	8	0	0	0	1	0	0
		2014	9	0	0	0	1	0	0
		2014	10	0	0	0	1	0	0
		2014	11	0	0	0	1	0	0
		2014	12	0	0	0	1	0	0
		2015	1	0	0	0	1	0	0
		2015	2	0	0	0	1	0	0
		2015	3	0	0	0	1	0	0
		2015	4	0	0	0	1	0	0
		2015	5	0	0	0	1	0	0
		2015	6	0	0	0	1	0	0
		2015	7	0	0	0	1	0	0
		2015	8	0	0	0	1	0	0
		2015	9	0	0	0	1	0	0
		2015	10	0	0	0	1	0	0
		2015	11	0	0	0	1	0	0
		2015	12	0	0	0	1	0	0
		2016	1	0	0	0	1	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2016	2	0	0	1	0	0	0
		2016	3	0	0	1	0	0	0
		2016	4	0	0	1	0	0	0
		2016	5	0	0	1	0	0	0
		2016	6	0	0	1	0	0	0
		2016	7	0	0	1	0	0	0
		2016	8	0	0	1	0	0	0
		2016	9	0	0	1	0	0	0
		2016	10	0	0	1	0	0	0
		2016	11	0	0	1	0	0	0
		2016	12	0	0	1	0	0	0
		2017	1	0	0	1	0	0	0
		2017	2	0	0	1	0	0	0
		2017	3	0	0	1	0	0	0
		2017	4	0	0	1	0	0	0
		2017	5	0	0	1	0	0	0
		2017	6	0	0	1	0	0	0
		2017	7	0	0	1	0	0	0
		2017	8	0	0	1	0	0	0
		2017	9	0	0	1	0	0	0
		2017	10	0	0	1	0	0	0
		2017	11	0	0	1	0	0	0
		2017	12	0	0	1	0	0	0
		2018	1	0	0	1	0	0	0
		2018	2	0	0	1	0	0	0
		2018	3	0	0	1	0	0	0
		2018	4	0	0	1	0	0	0
		2018	5	0	0	1	0	0	0
		2018	6	0	0	1	0	0	0
		2018	7	0	0	1	0	0	0
		2018	8	0	0	1	0	0	0
		2018	9	0	0	1	0	0	0
		2018	10	0	0	1	0	0	0
		2018	11	0	0	1	0	0	0
		2018	12	0	0	1	0	0	0
		2019	1	0	0	1	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2019	2	0	0	1	0	0	0
		2019	3	0	0	1	0	0	0
		2019	4	0	0	1	0	0	0
		2019	5	0	0	1	0	0	0
		2019	6	0	0	1	0	0	0
		2019	7	0	0	1	0	0	0
		2019	8	0	0	1	0	0	0
		2019	9	0	0	1	0	0	0
		2019	10	0	0	1	0	0	0
		2019	11	0	0	1	0	0	0
		2019	12	0	0	1	0	0	0
		2020	1	0	0	1	0	0	0
		2020	2	0	0	1	0	0	0
		2020	3	0	0	1	0	0	0
		2020	4	0	0	1	0	0	0
		2020	5	0	0	1	0	0	0
		2020	6	0	0	1	0	0	0
		2020	7	0	0	1	0	0	0
		2020	8	0	0	1	0	0	0
		2020	9	0	0	1	0	0	0
		2020	10	0	0	1	0	0	0
		2020	11	0	0	1	0	0	0
		2020	12	0	0	1	0	0	0
		2021	1	0	0	1	0	0	0
		2021	2	0	0	1	0	0	0
		2021	3	0	0	1	0	0	0
		2021	4	0	0	1	0	0	0
		2021	5	0	0	1	0	0	0
		2021	6	0	0	1	0	0	0
		2021	7	0	0	1	0	0	0
		2021	8	0	0	1	0	0	0
		2021	9	0	0	1	0	0	0
		2021	10	0	0	1	0	0	0
		2021	11	0	0	1	0	0	0
		2021	12	0	0	1	0	0	0
		2022	1	0	0	1	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
		2022	2	0	0	1	0	0	0
		2022	3	0	0	1	0	0	0
		2022	4	0	0	1	0	0	0
		2022	5	0	0	1	0	0	0
		2022	6	0	0	1	0	0	0
		2022	7	0	0	1	0	0	0
		2022	8	0	0	1	0	0	0
		2022	9	0	0	1	0	0	0
		2022	10	0	0	1	0	0	0
		2022	11	0	0	1	0	0	0
		2022	12	0	0	1	0	0	0
		2023	1	0	0	1	0	0	0
		2023	2	0	0	1	0	0	0
		2023	3	0	0	1	0	0	0
		2023	4	0	0	1	0	0	0
		2023	5	0	0	1	0	0	0
		2023	6	0	0	1	0	0	0
		2023	7	0	0	1	0	0	0
		2023	8	0	0	1	0	0	0
		2023	9	0	0	1	0	0	0
		2023	10	0	0	1	0	0	0
		2023	11	0	0	1	0	0	0
		2023	12	0	0	1	0	0	0
		2024	1	0	0	1	0	0	0
		2024	2	0	0	1	0	0	0
		2024	3	0	0	1	0	0	0
		2024	4	0	0	1	0	0	0
		2024	5	0	0	1	0	0	0
		2024	6	0	0	1	0	0	0
		2024	7	0	0	1	0	0	0
		2024	8	0	0	1	0	0	0
		2024	9	0	0	1	0	0	0
		2024	10	0	0	1	0	0	0
		2024	11	0	0	1	0	0	0
		2024	12	0	0	1	0	0	0

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	ak5	ak6	cat1	cat2	cat3	cat4
					0	0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2008	7		0	0	0	0	1
		2008	8		0	0	0	0	1
		2008	9		0	0	0	0	1
		2008	10		0	0	0	0	1
		2008	11		0	0	0	0	1
		2008	12		0	0	0	0	1
		2009	1		0	0	0	0	1
		2009	2		0	0	0	0	1
		2009	3		0	0	0	0	1
		2009	4		0	0	0	0	1
		2009	5		0	0	0	0	1
		2009	6		0	0	0	0	1
		2009	7		0	0	0	0	1
		2009	8		0	0	0	0	1
		2009	9		0	0	0	0	1
		2009	10		0	0	0	0	1
		2009	11		0	0	0	0	1
		2009	12		0	0	0	0	1
		2010	1		0	0	0	0	1
		2010	2		0	0	0	0	1
		2010	3		0	0	0	0	1
		2010	4		0	0	0	0	1
		2010	5		0	0	0	0	1
		2010	6		0	0	0	0	1
		2010	7		0	0	0	0	1
		2010	8		0	0	0	0	1
		2010	9		0	0	0	0	1
		2010	10		0	0	0	0	1
		2010	11		0	0	0	0	1
		2010	12		0	0	0	0	1
		2011	1		0	0	0	0	1
		2011	2		0	0	0	0	1
		2011	3		0	0	0	0	1
		2011	4		0	0	0	0	1
		2011	5		0	0	0	0	1
		2011	6		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2011	7		0	0	0	0	1
		2011	8		0	0	0	0	1
		2011	9		0	0	0	0	1
		2011	10		0	0	0	0	1
		2011	11		0	0	0	0	1
		2011	12		0	0	0	0	1
		2012	1		0	0	0	0	1
		2012	2		0	0	0	0	1
		2012	3		0	0	0	0	1
		2012	4		0	0	0	0	1
		2012	5		0	0	0	0	1
		2012	6		0	0	0	0	1
		2012	7		0	0	0	0	1
		2012	8		0	0	0	0	1
		2012	9		0	0	0	0	1
		2012	10		0	0	0	0	1
		2012	11		0	0	0	0	1
		2012	12		0	0	0	0	1
		2013	1		0	0	0	0	1
		2013	2		0	0	0	0	1
		2013	3		0	0	0	0	1
		2013	4		0	0	0	0	1
		2013	5		0	0	0	0	1
		2013	6		0	0	0	0	1
		2013	7		0	0	0	0	1
		2013	8		0	0	0	0	1
		2013	9		0	0	0	0	1
		2013	10		0	0	0	0	1
		2013	11		0	0	0	0	1
		2013	12		0	0	0	0	1
		2014	1		0	0	0	0	1
		2014	2		0	0	0	0	1
		2014	3		0	0	0	0	1
		2014	4		0	0	0	0	1
		2014	5		0	0	0	0	1
		2014	6		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2014	7		0	0	0	0	1
		2014	8		0	0	0	0	1
		2014	9		0	0	0	0	1
		2014	10		0	0	0	0	1
		2014	11		0	0	0	0	1
		2014	12		0	0	0	0	1
		2015	1		0	0	0	0	1
		2015	2		0	0	0	0	1
		2015	3		0	0	0	0	1
		2015	4		0	0	0	0	1
		2015	5		0	0	0	0	1
		2015	6		0	0	0	0	1
		2015	7		0	0	0	0	1
		2015	8		0	0	0	0	1
		2015	9		0	0	0	0	1
		2015	10		0	0	0	0	1
		2015	11		0	0	0	0	1
		2015	12		0	0	0	0	1
		2016	1		0	0	0	0	1
		2016	2		0	0	0	0	1
		2016	3		0	0	0	0	1
		2016	4		0	0	0	0	1
		2016	5		0	0	0	0	1
		2016	6		0	0	0	0	1
		2016	7		0	0	0	0	1
		2016	8		0	0	0	0	1
		2016	9		0	0	0	0	1
		2016	10		0	0	0	0	1
		2016	11		0	0	0	0	1
		2016	12		0	0	0	0	1
		2017	1		0	0	0	0	1
		2017	2		0	0	0	0	1
		2017	3		0	0	0	0	1
		2017	4		0	0	0	0	1
		2017	5		0	0	0	0	1
		2017	6		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2017	7		0	0	0	0	1
		2017	8		0	0	0	0	1
		2017	9		0	0	0	0	1
		2017	10		0	0	0	0	1
		2017	11		0	0	0	0	1
		2017	12		0	0	0	0	1
		2018	1		0	0	0	0	1
		2018	2		0	0	0	0	1
		2018	3		0	0	0	0	1
		2018	4		0	0	0	0	1
		2018	5		0	0	0	0	1
		2018	6		0	0	0	0	1
		2018	7		0	0	0	0	1
		2018	8		0	0	0	0	1
		2018	9		0	0	0	0	1
		2018	10		0	0	0	0	1
		2018	11		0	0	0	0	1
		2018	12		0	0	0	0	1
		2019	1		0	0	0	0	1
		2019	2		0	0	0	0	1
		2019	3		0	0	0	0	1
		2019	4		0	0	0	0	1
		2019	5		0	0	0	0	1
		2019	6		0	0	0	0	1
		2019	7		0	0	0	0	1
		2019	8		0	0	0	0	1
		2019	9		0	0	0	0	1
		2019	10		0	0	0	0	1
		2019	11		0	0	0	0	1
		2019	12		0	0	0	0	1
		2020	1		0	0	0	0	1
		2020	2		0	0	0	0	1
		2020	3		0	0	0	0	1
		2020	4		0	0	0	0	1
		2020	5		0	0	0	0	1
		2020	6		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2020	7		0	0	0	0	1
		2020	8		0	0	0	0	1
		2020	9		0	0	0	0	1
		2020	10		0	0	0	0	1
		2020	11		0	0	0	0	1
		2020	12		0	0	0	0	1
		2021	1		0	0	0	0	1
		2021	2		0	0	0	0	1
		2021	3		0	0	0	0	1
		2021	4		0	0	0	0	1
		2021	5		0	0	0	0	1
		2021	6		0	0	0	0	1
		2021	7		0	0	0	0	1
		2021	8		0	0	0	0	1
		2021	9		0	0	0	0	1
		2021	10		0	0	0	0	1
		2021	11		0	0	0	0	1
		2021	12		0	0	0	0	1
		2022	1		0	0	0	0	1
		2022	2		0	0	0	0	1
		2022	3		0	0	0	0	1
		2022	4		0	0	0	0	1
		2022	5		0	0	0	0	1
		2022	6		0	0	0	0	1
		2022	7		0	0	0	0	1
		2022	8		0	0	0	0	1
		2022	9		0	0	0	0	1
		2022	10		0	0	0	0	1
		2022	11		0	0	0	0	1
		2022	12		0	0	0	0	1
		2023	1		0	0	0	0	1
		2023	2		0	0	0	0	1
		2023	3		0	0	0	0	1
		2023	4		0	0	0	0	1
		2023	5		0	0	0	0	1
		2023	6		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2023	7		0	0	0	0	1
		2023	8		0	0	0	0	1
		2023	9		0	0	0	0	1
		2023	10		0	0	0	0	1
		2023	11		0	0	0	0	1
		2023	12		0	0	0	0	1
		2024	1		0	0	0	0	1
		2024	2		0	0	0	0	1
		2024	3		0	0	0	0	1
		2024	4		0	0	0	0	1
		2024	5		0	0	0	0	1
		2024	6		0	0	0	0	1
		2024	7		0	0	0	0	1
		2024	8		0	0	0	0	1
		2024	9		0	0	0	0	1
		2024	10		0	0	0	0	1
		2024	11		0	0	0	0	1
		2024	12		0	0	0	0	1
		1995	12		0	0	0	0	0
		1996	1		0	0	0	0	0
		1997	7		0	0	0	0	0
		1998	2		0	0	0	0	0
		1998	3		0	0	0	0	0
		1999	1		0	0	0	0	0
		1999	2		0	0	0	0	0
		1999	3		0	0	0	0	0
		1999	4		0	0	0	0	0
		1999	5		0	0	0	0	0
		1999	6		0	0	0	0	0
		1999	7		0	0	0	0	0
		1999	8		0	0	0	0	0
		1999	9		0	0	0	0	0
		1999	10		0	0	0	0	0
		1999	11		0	0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		1999	12		0	0	0	0	0
		2000	1		0	0	0	0	0
		2000	2		0	0	0	0	0
		2000	3		0	0	0	0	0
		2000	4		0	0	0	0	0
		2000	5		0	0	0	0	0
		2000	6		0	0	0	0	0
		2000	7		0	0	0	0	0
		2000	8		0	0	0	0	0
		2000	9		0	0	0	0	0
		2000	10		0	0	0	0	0
		2000	11		0	0	0	0	0
		2000	12		0	0	0	0	0
		2001	1		0	0	0	0	0
		2001	2		0	0	0	0	0
		2001	3		0	0	0	0	0
		2001	4		0	0	0	0	0
		2001	5		0	0	0	0	0
		2001	6		0	0	0	0	0
		2001	7		0	0	0	0	0
		2001	8		0	0	0	0	0
		2001	9		0	1	0	0	0
		2001	10		0	0	0	0	0
		2001	11		0	0	0	0	0
		2001	12		0	0	0	0	0
		2002	1		0	0	0	0	0
		2002	2		0	0	0	0	0
		2002	3		0	0	0	0	0
		2002	4		0	0	0	0	0
		2002	5		0	0	0	0	0
		2002	6		0	0	-1	0	0
		2002	7		0	0	0	0	0
		2002	8		0	0	0	0	0
		2002	9		0	0	0	0	0
		2002	10		0	0	0	0	0
		2002	11		0	0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2002	12		0	0	0	0	0
		2003	1		0	0	0	0	0
		2003	2		0	0	0	0	0
		2003	3		0	0	0	0	0
		2003	4		0	0	0	-1	0
		2003	5		0	0	0	0	0
		2003	6		0	0	0	0	0
		2003	7		0	0	0	0	0
		2003	8		0	0	0	0	0
		2003	9		0	0	0	0	0
		2003	10		0	0	0	0	0
		2003	11		0	0	0	0	0
		2003	12		0	0	0	0	0
		2004	1		0	0	0	0	0
		2004	2		0	0	0	0	0
		2004	3		0	0	0	0	0
		2004	4		0	0	0	0	0
		2004	5		0	0	0	0	0
		2004	6		0	0	0	0	0
		2004	7		0	0	0	0	1
		2004	8		0	0	0	0	1
		2004	9		-1	0	0	0	1
		2004	10		0	0	0	0	1
		2004	11		0	0	0	0	1
		2004	12		0	0	0	0	1
		2005	1		0	0	0	0	1
		2005	2		0	0	0	0	1
		2005	3		0	0	0	0	1
		2005	4		0	0	0	0	1
		2005	5		0	0	0	0	1
		2005	6		0	0	0	0	1
		2005	7		0	0	0	0	1
		2005	8		0	0	0	0	1
		2005	9		0	0	0	0	1
		2005	10		0	0	0	0	1
		2005	11		0	0	0	0	1
		2005	12		0	0	0	0	1
		2005	1		0	0	0	0	1
		2005	2		0	0	0	0	1
		2005	3		0	0	0	0	1
		2005	4		0	0	0	0	1
		2005	5		0	0	0	0	1
		2005	6		0	0	0	0	1
		2005	7		0	0	0	0	1
		2005	8		0	0	0	0	1
		2005	9		0	0	0	0	1
		2005	10		0	0	0	0	1
		2005	11		0	0	0	0	1
		2005	12		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2005	12		0	0	0	0	1
		2006	1		0	0	0	0	1
		2006	2		0	0	0	0	1
		2006	3		0	0	0	0	1
		2006	4		0	0	0	0	1
		2006	5		0	0	0	0	1
		2006	6		0	0	0	0	1
		2006	7		0	0	0	0	1
		2006	8		0	0	0	0	1
		2006	9		0	0	0	0	1
		2006	10		0	0	0	0	1
		2006	11		0	0	0	0	1
		2006	12		0	0	0	0	1
		2007	1		0	0	0	0	1
		2007	2		0	0	0	0	1
		2007	3		0	0	0	0	1
		2007	4		0	0	0	0	1
		2007	5		0	0	0	0	1
		2007	6		0	0	0	0	1
		2007	7		0	0	0	0	1
		2007	8		0	0	0	0	1
		2007	9		0	0	0	0	1
		2007	10		0	0	0	0	1
		2007	11		0	0	0	0	1
		2007	12		0	0	0	0	1
		2008	1		0	0	0	0	1
		2008	2		0	0	0	0	1
		2008	3		0	0	0	0	1
		2008	4		0	0	0	0	1
		2008	5		0	0	0	0	1
		2008	6		0	0	0	0	1
		2008	7		0	0	0	0	1
		2008	8		0	0	0	0	1
		2008	9		0	0	0	0	1
		2008	10		0	0	0	0	1
		2008	11		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2008	12		0	0	0	0	1
		2009	1		0	0	0	0	1
		2009	2		0	0	0	0	1
		2009	3		0	0	0	0	1
		2009	4		0	0	0	0	1
		2009	5		0	0	0	0	1
		2009	6		0	0	0	0	1
		2009	7		0	0	0	0	1
		2009	8		0	0	0	0	1
		2009	9		0	0	0	0	1
		2009	10		0	0	0	0	1
		2009	11		0	0	0	0	1
		2009	12		0	0	0	0	1
		2010	1		0	0	0	0	1
		2010	2		0	0	0	0	1
		2010	3		0	0	0	0	1
		2010	4		0	0	0	0	1
		2010	5		0	0	0	0	1
		2010	6		0	0	0	0	1
		2010	7		0	0	0	0	1
		2010	8		0	0	0	0	1
		2010	9		0	0	0	0	1
		2010	10		0	0	0	0	1
		2010	11		0	0	0	0	1
		2010	12		0	0	0	0	1
		2011	1		0	0	0	0	1
		2011	2		0	0	0	0	1
		2011	3		0	0	0	0	1
		2011	4		0	0	0	0	1
		2011	5		0	0	0	0	1
		2011	6		0	0	0	0	1
		2011	7		0	0	0	0	1
		2011	8		0	0	0	0	1
		2011	9		0	0	0	0	1
		2011	10		0	0	0	0	1
		2011	11		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2011	12		0	0	0	0	1
		2012	1		0	0	0	0	1
		2012	2		0	0	0	0	1
		2012	3		0	0	0	0	1
		2012	4		0	0	0	0	1
		2012	5		0	0	0	0	1
		2012	6		0	0	0	0	1
		2012	7		0	0	0	0	1
		2012	8		0	0	0	0	1
		2012	8		0	0	0	0	1
		2012	9		0	0	0	0	1
		2012	9		0	0	0	0	1
		2012	10		0	0	0	0	1
		2012	10		0	0	0	0	1
		2012	11		0	0	0	0	1
		2012	11		0	0	0	0	1
		2012	12		0	0	0	0	1
		2012	12		0	0	0	0	1
		2013	1		0	0	0	0	1
		2013	2		0	0	0	0	1
		2013	3		0	0	0	0	1
		2013	4		0	0	0	0	1
		2013	5		0	0	0	0	1
		2013	6		0	0	0	0	1
		2013	7		0	0	0	0	1
		2013	8		0	0	0	0	1
		2013	9		0	0	0	0	1
		2013	10		0	0	0	0	1
		2013	11		0	0	0	0	1
		2013	12		0	0	0	0	1
		2014	1		0	0	0	0	1
		2014	2		0	0	0	0	1
		2014	3		0	0	0	0	1
		2014	4		0	0	0	0	1
		2014	5		0	0	0	0	1
		2014	6		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2014	7		0	0	0	0	1
		2014	8		0	0	0	0	1
		2014	9		0	0	0	0	1
		2014	10		0	0	0	0	1
		2014	11		0	0	0	0	1
		2014	12		0	0	0	0	1
		2015	1		0	0	0	0	1
		2015	2		0	0	0	0	1
		2015	3		0	0	0	0	1
		2015	4		0	0	0	0	1
		2015	5		0	0	0	0	1
		2015	6		0	0	0	0	1
		2015	7		0	0	0	0	1
		2015	8		0	0	0	0	1
		2015	9		0	0	0	0	1
		2015	10		0	0	0	0	1
		2015	11		0	0	0	0	1
		2015	12		0	0	0	0	1
		2016	1		0	0	0	0	1
		2016	2		0	0	0	0	1
		2016	3		0	0	0	0	1
		2016	4		0	0	0	0	1
		2016	5		0	0	0	0	1
		2016	6		0	0	0	0	1
		2016	7		0	0	0	0	1
		2016	8		0	0	0	0	1
		2016	9		0	0	0	0	1
		2016	10		0	0	0	0	1
		2016	11		0	0	0	0	1
		2016	12		0	0	0	0	1
		2017	1		0	0	0	0	1
		2017	2		0	0	0	0	1
		2017	3		0	0	0	0	1
		2017	4		0	0	0	0	1
		2017	5		0	0	0	0	1
		2017	6		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2017	7		0	0	0	0	1
		2017	8		0	0	0	0	1
		2017	9		0	0	0	0	1
		2017	10		0	0	0	0	1
		2017	11		0	0	0	0	1
		2017	12		0	0	0	0	1
		2018	1		0	0	0	0	1
		2018	2		0	0	0	0	1
		2018	3		0	0	0	0	1
		2018	4		0	0	0	0	1
		2018	5		0	0	0	0	1
		2018	6		0	0	0	0	1
		2018	7		0	0	0	0	1
		2018	8		0	0	0	0	1
		2018	9		0	0	0	0	1
		2018	10		0	0	0	0	1
		2018	11		0	0	0	0	1
		2018	12		0	0	0	0	1
		2019	1		0	0	0	0	1
		2019	2		0	0	0	0	1
		2019	3		0	0	0	0	1
		2019	4		0	0	0	0	1
		2019	5		0	0	0	0	1
		2019	6		0	0	0	0	1
		2019	7		0	0	0	0	1
		2019	8		0	0	0	0	1
		2019	9		0	0	0	0	1
		2019	10		0	0	0	0	1
		2019	11		0	0	0	0	1
		2019	12		0	0	0	0	1
		2020	1		0	0	0	0	1
		2020	2		0	0	0	0	1
		2020	3		0	0	0	0	1
		2020	4		0	0	0	0	1
		2020	5		0	0	0	0	1
		2020	6		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2020	7		0	0	0	0	1
		2020	8		0	0	0	0	1
		2020	9		0	0	0	0	1
		2020	10		0	0	0	0	1
		2020	11		0	0	0	0	1
		2020	12		0	0	0	0	1
		2021	1		0	0	0	0	1
		2021	2		0	0	0	0	1
		2021	3		0	0	0	0	1
		2021	4		0	0	0	0	1
		2021	5		0	0	0	0	1
		2021	6		0	0	0	0	1
		2021	7		0	0	0	0	1
		2021	8		0	0	0	0	1
		2021	9		0	0	0	0	1
		2021	10		0	0	0	0	1
		2021	11		0	0	0	0	1
		2021	12		0	0	0	0	1
		2022	1		0	0	0	0	1
		2022	2		0	0	0	0	1
		2022	3		0	0	0	0	1
		2022	4		0	0	0	0	1
		2022	5		0	0	0	0	1
		2022	6		0	0	0	0	1
		2022	7		0	0	0	0	1
		2022	8		0	0	0	0	1
		2022	9		0	0	0	0	1
		2022	10		0	0	0	0	1
		2022	11		0	0	0	0	1
		2022	12		0	0	0	0	1
		2023	1		0	0	0	0	1
		2023	2		0	0	0	0	1
		2023	3		0	0	0	0	1
		2023	4		0	0	0	0	1
		2023	5		0	0	0	0	1
		2023	6		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2023	7		0	0	0	0	1
		2023	8		0	0	0	0	1
		2023	9		0	0	0	0	1
		2023	10		0	0	0	0	1
		2023	11		0	0	0	0	1
		2023	12		0	0	0	0	1
		2024	1		0	0	0	0	1
		2024	2		0	0	0	0	1
		2024	3		0	0	0	0	1
		2024	4		0	0	0	0	1
		2024	5		0	0	0	0	1
		2024	6		0	0	0	0	1
		2024	7		0	0	0	0	1
		2024	8		0	0	0	0	1
		2024	9		0	0	0	0	1
		2024	10		0	0	0	0	1
		2024	11		0	0	0	0	1
		2024	12		0	0	0	0	1
		1997	7		0	0	0	0	0
		1997	8		0	0	0	0	0
		1997	9		0	0	0	0	0
		1999	1		0	0	0	0	0
		1999	2		0	0	0	0	0
		1999	3		0	0	0	0	0
		1999	4		0	0	0	0	0
		1999	5		0	0	0	0	0
		1999	6		0	0	0	0	0
		1999	7		0	0	0	0	0
		1999	9		0	0	0	0	0
		1999	10		0	0	0	0	0
		1999	11		0	0	0	0	0
		1999	12		0	0	0	0	0
		2000	1		0	0	0	0	0
		2000	2		0	0	0	0	0
		2000	3		0	0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2000	4		0	0	0	0	0
		2000	5		0	0	0	0	0
		2000	6		0	0	0	0	0
		2000	7		0	0	0	0	0
		2000	8		0	0	0	0	0
		2000	9		0	0	0	0	0
		2000	10		0	0	0	0	0
		2000	11		0	0	0	0	0
		2001	2		0	0	0	0	0
		2001	3		0	0	0	0	0
		2001	4		0	0	0	0	0
		2001	5		0	0	0	0	0
		2001	6		0	0	0	0	0
		2001	7		0	0	0	0	0
		2001	8		0	0	0	0	0
		2001	9		0	1	0	0	0
		2001	10		0	0	0	0	0
		2001	11		0	0	0	0	0
		2001	12		0	0	0	0	0
		2002	1		0	0	0	0	0
		2002	2		0	0	0	0	0
		2002	3		0	0	0	0	0
		2002	4		0	0	0	0	0
		2002	5		0	0	0	0	0
		2002	6		0	0	-1	0	0
		2002	7		0	0	0	0	0
		2002	8		0	0	0	0	0
		2002	9		0	0	0	0	0
		2002	10		0	0	0	0	0
		2002	11		0	0	0	0	0
		2002	12		0	0	0	0	0
		2003	1		0	0	0	0	0
		2003	2		0	0	0	0	0
		2003	3		0	0	0	0	0
		2003	4		0	0	0	-1	0
		2003	5		0	0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2003	6		0	0	0	0	0
		2003	7		0	0	0	0	0
		2003	8		0	0	0	0	0
		2003	9		0	0	0	0	0
		2003	10		0	0	0	0	0
		2003	11		0	0	0	0	0
		2003	12		0	0	0	0	0
		2004	1		0	0	0	0	0
		2004	2		0	0	0	0	0
		2004	3		0	0	0	0	0
		2004	4		0	0	0	0	0
		2004	5		0	0	0	0	0
		2004	6		0	0	0	0	0
		2004	7		0	0	0	0	0
		2004	8		0	0	0	0	0
		2004	9		-1	0	0	0	0
		2004	10		0	0	0	0	0
		2004	11		0	0	0	0	0
		2004	12		0	0	0	0	0
		2005	1		0	0	0	0	0
		2005	2		0	0	0	0	0
		2005	3		0	0	0	0	0
		2005	4		0	0	0	0	0
		2005	5		0	0	0	0	0
		2005	6		0	0	0	0	0
		2005	7		0	0	0	0	0
		2005	8		0	0	0	0	0
		2005	9		0	0	0	0	0
		2005	10		0	0	0	0	0
		2005	11		0	0	0	0	0
		2005	12		0	0	0	0	0
		2006	1		0	0	0	0	0
		2006	2		0	0	0	0	0
		2006	3		0	0	0	0	0
		2006	4		0	0	0	0	0
		2006	5		0	0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2006	6		0	0	0	0	1
		2006	7		0	0	0	0	1
		2006	8		0	0	0	0	1
		2006	9		0	0	0	0	1
		2006	10		0	0	0	0	1
		2006	11		0	0	0	0	1
		2006	12		0	0	0	0	1
		2007	1		0	0	0	0	1
		2007	2		0	0	0	0	1
		2007	3		0	0	0	0	1
		2007	4		0	0	0	0	1
		2007	5		0	0	0	0	1
		2007	6		0	0	0	0	1
		2007	7		0	0	0	0	1
		2007	8		0	0	0	0	1
		2007	9		0	0	0	0	1
		2007	10		0	0	0	0	1
		2007	11		0	0	0	0	1
		2007	12		0	0	0	0	1
		2008	1		0	0	0	0	1
		2008	2		0	0	0	0	1
		2008	3		0	0	0	0	1
		2008	4		0	0	0	0	1
		2008	5		0	0	0	0	1
		2008	6		0	0	0	0	1
		2008	7		0	0	0	0	1
		2008	8		0	0	0	0	1
		2008	9		0	0	0	0	1
		2008	10		0	0	0	0	1
		2008	11		0	0	0	0	1
		2008	12		0	0	0	0	1
		2009	1		0	0	0	0	1
		2009	2		0	0	0	0	1
		2009	3		0	0	0	0	1
		2009	4		0	0	0	0	1
		2009	5		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2009	6		0	0	0	0	1
		2009	7		0	0	0	0	1
		2009	8		0	0	0	0	1
		2009	9		0	0	0	0	1
		2009	10		0	0	0	0	1
		2009	11		0	0	0	0	1
		2009	12		0	0	0	0	1
		2010	1		0	0	0	0	1
		2010	2		0	0	0	0	1
		2010	3		0	0	0	0	1
		2010	4		0	0	0	0	1
		2010	5		0	0	0	0	1
		2010	6		0	0	0	0	1
		2010	7		0	0	0	0	1
		2010	8		0	0	0	0	1
		2010	9		0	0	0	0	1
		2010	10		0	0	0	0	1
		2010	11		0	0	0	0	1
		2010	12		0	0	0	0	1
		2011	1		0	0	0	0	1
		2011	2		0	0	0	0	1
		2011	3		0	0	0	0	1
		2011	4		0	0	0	0	1
		2011	5		0	0	0	0	1
		2011	6		0	0	0	0	1
		2011	7		0	0	0	0	1
		2011	8		0	0	0	0	1
		2011	9		0	0	0	0	1
		2011	10		0	0	0	0	1
		2011	11		0	0	0	0	1
		2011	12		0	0	0	0	1
		2012	1		0	0	0	0	1
		2012	2		0	0	0	0	1
		2012	3		0	0	0	0	1
		2012	4		0	0	0	0	1
		2012	5		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2012	6		0	0	0	0	1
		2012	7		0	0	0	0	1
		2012	8		0	0	0	0	1
		2012	8		0	0	0	0	1
		2012	9		0	0	0	0	1
		2012	9		0	0	0	0	1
		2012	10		0	0	0	0	1
		2012	10		0	0	0	0	1
		2012	11		0	0	0	0	1
		2012	11		0	0	0	0	1
		2012	12		0	0	0	0	1
		2012	12		0	0	0	0	1
		2013	1		0	0	0	0	1
		2013	2		0	0	0	0	1
		2013	3		0	0	0	0	1
		2013	4		0	0	0	0	1
		2013	5		0	0	0	0	1
		2013	6		0	0	0	0	1
		2013	7		0	0	0	0	1
		2013	8		0	0	0	0	1
		2013	9		0	0	0	0	1
		2013	10		0	0	0	0	1
		2013	11		0	0	0	0	1
		2013	12		0	0	0	0	1
		2014	1		0	0	0	0	1
		2014	2		0	0	0	0	1
		2014	3		0	0	0	0	1
		2014	4		0	0	0	0	1
		2014	5		0	0	0	0	1
		2014	6		0	0	0	0	1
		2014	7		0	0	0	0	1
		2014	8		0	0	0	0	1
		2014	9		0	0	0	0	1
		2014	10		0	0	0	0	1
		2014	11		0	0	0	0	1
		2014	12		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2015	1		0	0	0	0	1
		2015	2		0	0	0	0	1
		2015	3		0	0	0	0	1
		2015	4		0	0	0	0	1
		2015	5		0	0	0	0	1
		2015	6		0	0	0	0	1
		2015	7		0	0	0	0	1
		2015	8		0	0	0	0	1
		2015	9		0	0	0	0	1
		2015	10		0	0	0	0	1
		2015	11		0	0	0	0	1
		2015	12		0	0	0	0	1
		2016	1		0	0	0	0	1
		2016	2		0	0	0	0	1
		2016	3		0	0	0	0	1
		2016	4		0	0	0	0	1
		2016	5		0	0	0	0	1
		2016	6		0	0	0	0	1
		2016	7		0	0	0	0	1
		2016	8		0	0	0	0	1
		2016	9		0	0	0	0	1
		2016	10		0	0	0	0	1
		2016	11		0	0	0	0	1
		2016	12		0	0	0	0	1
		2017	1		0	0	0	0	1
		2017	2		0	0	0	0	1
		2017	3		0	0	0	0	1
		2017	4		0	0	0	0	1
		2017	5		0	0	0	0	1
		2017	6		0	0	0	0	1
		2017	7		0	0	0	0	1
		2017	8		0	0	0	0	1
		2017	9		0	0	0	0	1
		2017	10		0	0	0	0	1
		2017	11		0	0	0	0	1
		2017	12		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2018	1	1	0	0	0	0	1
		2018	2	2	0	0	0	0	1
		2018	3	3	0	0	0	0	1
		2018	4	4	0	0	0	0	1
		2018	5	5	0	0	0	0	1
		2018	6	6	0	0	0	0	1
		2018	7	7	0	0	0	0	1
		2018	8	8	0	0	0	0	1
		2018	9	9	0	0	0	0	1
		2018	10	10	0	0	0	0	1
		2018	11	11	0	0	0	0	1
		2018	12	12	0	0	0	0	1
		2019	1	1	0	0	0	0	1
		2019	2	2	0	0	0	0	1
		2019	3	3	0	0	0	0	1
		2019	4	4	0	0	0	0	1
		2019	5	5	0	0	0	0	1
		2019	6	6	0	0	0	0	1
		2019	7	7	0	0	0	0	1
		2019	8	8	0	0	0	0	1
		2019	9	9	0	0	0	0	1
		2019	10	10	0	0	0	0	1
		2019	11	11	0	0	0	0	1
		2019	12	12	0	0	0	0	1
		2020	1	1	0	0	0	0	1
		2020	2	2	0	0	0	0	1
		2020	3	3	0	0	0	0	1
		2020	4	4	0	0	0	0	1
		2020	5	5	0	0	0	0	1
		2020	6	6	0	0	0	0	1
		2020	7	7	0	0	0	0	1
		2020	8	8	0	0	0	0	1
		2020	9	9	0	0	0	0	1
		2020	10	10	0	0	0	0	1
		2020	11	11	0	0	0	0	1
		2020	12	12	0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2021	1	1	0	0	0	0	1
		2021	2	2	0	0	0	0	1
		2021	3	3	0	0	0	0	1
		2021	4	4	0	0	0	0	1
		2021	5	5	0	0	0	0	1
		2021	6	6	0	0	0	0	1
		2021	7	7	0	0	0	0	1
		2021	8	8	0	0	0	0	1
		2021	9	9	0	0	0	0	1
		2021	10	10	0	0	0	0	1
		2021	11	11	0	0	0	0	1
		2021	12	12	0	0	0	0	1
		2022	1	1	0	0	0	0	1
		2022	2	2	0	0	0	0	1
		2022	3	3	0	0	0	0	1
		2022	4	4	0	0	0	0	1
		2022	5	5	0	0	0	0	1
		2022	6	6	0	0	0	0	1
		2022	7	7	0	0	0	0	1
		2022	8	8	0	0	0	0	1
		2022	9	9	0	0	0	0	1
		2022	10	10	0	0	0	0	1
		2022	11	11	0	0	0	0	1
		2022	12	12	0	0	0	0	1
		2023	1	1	0	0	0	0	1
		2023	2	2	0	0	0	0	1
		2023	3	3	0	0	0	0	1
		2023	4	4	0	0	0	0	1
		2023	5	5	0	0	0	0	1
		2023	6	6	0	0	0	0	1
		2023	7	7	0	0	0	0	1
		2023	8	8	0	0	0	0	1
		2023	9	9	0	0	0	0	1
		2023	10	10	0	0	0	0	1
		2023	11	11	0	0	0	0	1
		2023	12	12	0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2024	1		0	0	0	0	1
		2024	2		0	0	0	0	1
		2024	3		0	0	0	0	1
		2024	4		0	0	0	0	1
		2024	5		0	0	0	0	1
		2024	6		0	0	0	0	1
		2024	7		0	0	0	0	1
		2024	8		0	0	0	0	1
		2024	9		0	0	0	0	1
		2024	10		0	0	0	0	1
		2024	11		0	0	0	0	1
		2024	12		0	0	0	0	1
		1999	1		0	0	0	0	0
		1999	2		0	0	0	0	0
		1999	3		0	0	0	0	0
		1999	4		0	0	0	0	0
		1999	5		0	0	0	0	0
		1999	6		0	0	0	0	0
		1999	7		0	0	0	0	0
		1999	8		0	0	0	0	0
		1999	9		0	0	0	0	0
		1999	10		0	0	0	0	0
		1999	11		0	0	0	0	0
		1999	12		0	0	0	0	0
		2000	1		0	0	0	0	0
		2000	2		0	0	0	0	0
		2000	3		0	0	0	0	0
		2000	4		0	0	0	0	0
		2000	5		0	0	0	0	0
		2000	6		0	0	0	0	0
		2000	7		0	0	0	0	0
		2000	8		0	0	0	0	0
		2000	9		0	0	0	0	0
		2000	10		0	0	0	0	0
		2000	11		0	0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2000	12		0	0	0	0	0
		2001	1		0	0	0	0	0
		2001	2		0	0	0	0	0
		2001	3		0	0	0	0	0
		2001	4		0	0	0	0	0
		2001	5		0	0	0	0	0
		2001	6		0	0	0	0	0
		2001	7		0	0	0	0	0
		2001	8		0	0	0	0	0
		2001	9		0	1	0	0	0
		2001	10		0	0	0	0	0
		2001	11		0	0	0	0	0
		2001	12		0	0	0	0	0
		2002	1		0	0	0	0	0
		2002	2		0	0	0	0	0
		2002	3		0	0	0	0	0
		2002	4		0	0	0	0	0
		2002	5		0	0	0	0	0
		2002	6		0	0	-1	0	0
		2002	7		0	0	0	0	0
		2002	8		0	0	0	0	0
		2002	9		0	0	0	0	0
		2002	10		0	0	0	0	0
		2002	11		0	0	0	0	0
		2002	12		0	0	0	0	0
		2003	1		0	0	0	0	0
		2003	2		0	0	0	0	0
		2003	3		0	0	0	0	0
		2003	4		0	0	0	-1	0
		2003	5		0	0	0	0	0
		2003	6		0	0	0	0	0
		2003	7		0	0	0	0	0
		2003	8		0	0	0	0	0
		2003	9		0	0	0	0	0
		2003	10		0	0	0	0	0
		2003	11		0	0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2003	12		0	0	0	0	0
		2004	1		0	0	0	0	0
		2004	2		0	0	0	0	0
		2004	3		0	0	0	0	0
		2004	4		0	0	0	0	0
		2004	5		0	0	0	0	0
		2004	6		0	0	0	0	0
		2004	7		0	0	0	0	0
		2004	8		0	0	0	0	0
		2004	9		-1	0	0	0	0
		2004	10		0	0	0	0	0
		2004	11		0	0	0	0	0
		2004	12		0	0	0	0	0
		2005	1		0	0	0	0	0
		2005	2		0	0	0	0	0
		2005	3		0	0	0	0	0
		2005	4		0	0	0	0	0
		2005	5		0	0	0	0	0
		2005	6		0	0	0	0	0
		2005	7		0	0	0	0	0
		2005	8		0	0	0	0	0
		2005	9		0	0	0	0	0
		2005	10		0	0	0	0	0
		2005	11		0	0	0	0	0
		2005	12		0	0	0	0	0
		2006	1		0	0	0	0	0
		2006	2		0	0	0	0	0
		2006	3		0	0	0	0	0
		2006	4		0	0	0	0	0
		2006	5		0	0	0	0	0
		2006	6		0	0	0	0	0
		2006	7		0	0	0	0	0
		2006	8		0	0	0	0	0
		2006	9		0	0	0	0	0
		2006	10		0	0	0	0	0
		2006	11		0	0	0	0	0
		2006	12		0	0	0	0	0
		2006	1		0	0	0	0	0
		2006	2		0	0	0	0	0
		2006	3		0	0	0	0	0
		2006	4		0	0	0	0	0
		2006	5		0	0	0	0	0
		2006	6		0	0	0	0	0
		2006	7		0	0	0	0	0
		2006	8		0	0	0	0	0
		2006	9		0	0	0	0	0
		2006	10		0	0	0	0	0
		2006	11		0	0	0	0	0
		2006	12		0	0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2006	12		0	0	0	0	1
		2007	1		0	0	0	0	1
		2007	2		0	0	0	0	1
		2007	3		0	0	0	0	1
		2007	4		0	0	0	0	1
		2007	5		0	0	0	0	1
		2007	6		0	0	0	0	1
		2007	7		0	0	0	0	1
		2007	8		0	0	0	0	1
		2007	9		0	0	0	0	1
		2007	10		0	0	0	0	1
		2007	11		0	0	0	0	1
		2007	12		0	0	0	0	1
		2008	1		0	0	0	0	1
		2008	2		0	0	0	0	1
		2008	3		0	0	0	0	1
		2008	4		0	0	0	0	1
		2008	5		0	0	0	0	1
		2008	6		0	0	0	0	1
		2008	7		0	0	0	0	1
		2008	8		0	0	0	0	1
		2008	9		0	0	0	0	1
		2008	10		0	0	0	0	1
		2008	11		0	0	0	0	1
		2008	12		0	0	0	0	1
		2009	1		0	0	0	0	1
		2009	2		0	0	0	0	1
		2009	3		0	0	0	0	1
		2009	4		0	0	0	0	1
		2009	5		0	0	0	0	1
		2009	6		0	0	0	0	1
		2009	7		0	0	0	0	1
		2009	8		0	0	0	0	1
		2009	9		0	0	0	0	1
		2009	10		0	0	0	0	1
		2009	11		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2	
		2009	12		0	0	0	0	1	0
		2010	1		0	0	0	0	1	0
		2010	2		0	0	0	0	1	0
		2010	3		0	0	0	0	1	0
		2010	4		0	0	0	0	1	0
		2010	5		0	0	0	0	1	0
		2010	6		0	0	0	0	1	0
		2010	7		0	0	0	0	1	0
		2010	8		0	0	0	0	1	0
		2010	9		0	0	0	0	1	0
		2010	10		0	0	0	0	1	0
		2010	11		0	0	0	0	1	0
		2010	12		0	0	0	0	1	0
		2011	1		0	0	0	0	1	0
		2011	2		0	0	0	0	1	0
		2011	3		0	0	0	0	1	0
		2011	4		0	0	0	0	1	0
		2011	5		0	0	0	0	1	0
		2011	6		0	0	0	0	1	0
		2011	7		0	0	0	0	1	0
		2011	8		0	0	0	0	1	0
		2011	9		0	0	0	0	1	0
		2011	10		0	0	0	0	1	0
		2011	11		0	0	0	0	1	0
		2011	12		0	0	0	0	1	0
		2012	1		0	0	0	0	1	0
		2012	2		0	0	0	0	1	0
		2012	3		0	0	0	0	1	0
		2012	4		0	0	0	0	1	0
		2012	5		0	0	0	0	1	0
		2012	6		0	0	0	0	1	0
		2012	7		0	0	0	0	1	0
		2012	8		0	0	0	0	1	0
		2012	8		0	0	0	0	1	0
		2012	9		0	0	0	0	1	0
		2012	9		0	0	0	0	1	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2012	10		0	0	0	0	1
		2012	10		0	0	0	0	1
		2012	11		0	0	0	0	1
		2012	11		0	0	0	0	1
		2012	12		0	0	0	0	1
		2012	12		0	0	0	0	1
		2013	1		0	0	0	0	1
		2013	2		0	0	0	0	1
		2013	3		0	0	0	0	1
		2013	4		0	0	0	0	1
		2013	5		0	0	0	0	1
		2013	6		0	0	0	0	1
		2013	7		0	0	0	0	1
		2013	8		0	0	0	0	1
		2013	9		0	0	0	0	1
		2013	10		0	0	0	0	1
		2013	11		0	0	0	0	1
		2013	12		0	0	0	0	1
		2014	1		0	0	0	0	1
		2014	2		0	0	0	0	1
		2014	3		0	0	0	0	1
		2014	4		0	0	0	0	1
		2014	5		0	0	0	0	1
		2014	6		0	0	0	0	1
		2014	7		0	0	0	0	1
		2014	8		0	0	0	0	1
		2014	9		0	0	0	0	1
		2014	10		0	0	0	0	1
		2014	11		0	0	0	0	1
		2014	12		0	0	0	0	1
		2015	1		0	0	0	0	1
		2015	2		0	0	0	0	1
		2015	3		0	0	0	0	1
		2015	4		0	0	0	0	1
		2015	5		0	0	0	0	1
		2015	6		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2015	7		0	0	0	0	1
		2015	8		0	0	0	0	1
		2015	9		0	0	0	0	1
		2015	10		0	0	0	0	1
		2015	11		0	0	0	0	1
		2015	12		0	0	0	0	1
		2016	1		0	0	0	0	1
		2016	2		0	0	0	0	1
		2016	3		0	0	0	0	1
		2016	4		0	0	0	0	1
		2016	5		0	0	0	0	1
		2016	6		0	0	0	0	1
		2016	7		0	0	0	0	1
		2016	8		0	0	0	0	1
		2016	9		0	0	0	0	1
		2016	10		0	0	0	0	1
		2016	11		0	0	0	0	1
		2016	12		0	0	0	0	1
		2017	1		0	0	0	0	1
		2017	2		0	0	0	0	1
		2017	3		0	0	0	0	1
		2017	4		0	0	0	0	1
		2017	5		0	0	0	0	1
		2017	6		0	0	0	0	1
		2017	7		0	0	0	0	1
		2017	8		0	0	0	0	1
		2017	9		0	0	0	0	1
		2017	10		0	0	0	0	1
		2017	11		0	0	0	0	1
		2017	12		0	0	0	0	1
		2018	1		0	0	0	0	1
		2018	2		0	0	0	0	1
		2018	3		0	0	0	0	1
		2018	4		0	0	0	0	1
		2018	5		0	0	0	0	1
		2018	6		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2018	7		0	0	0	0	1
		2018	8		0	0	0	0	1
		2018	9		0	0	0	0	1
		2018	10		0	0	0	0	1
		2018	11		0	0	0	0	1
		2018	12		0	0	0	0	1
		2019	1		0	0	0	0	1
		2019	2		0	0	0	0	1
		2019	3		0	0	0	0	1
		2019	4		0	0	0	0	1
		2019	5		0	0	0	0	1
		2019	6		0	0	0	0	1
		2019	7		0	0	0	0	1
		2019	8		0	0	0	0	1
		2019	9		0	0	0	0	1
		2019	10		0	0	0	0	1
		2019	11		0	0	0	0	1
		2019	12		0	0	0	0	1
		2020	1		0	0	0	0	1
		2020	2		0	0	0	0	1
		2020	3		0	0	0	0	1
		2020	4		0	0	0	0	1
		2020	5		0	0	0	0	1
		2020	6		0	0	0	0	1
		2020	7		0	0	0	0	1
		2020	8		0	0	0	0	1
		2020	9		0	0	0	0	1
		2020	10		0	0	0	0	1
		2020	11		0	0	0	0	1
		2020	12		0	0	0	0	1
		2021	1		0	0	0	0	1
		2021	2		0	0	0	0	1
		2021	3		0	0	0	0	1
		2021	4		0	0	0	0	1
		2021	5		0	0	0	0	1
		2021	6		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2021	7		0	0	0	0	1
		2021	8		0	0	0	0	1
		2021	9		0	0	0	0	1
		2021	10		0	0	0	0	1
		2021	11		0	0	0	0	1
		2021	12		0	0	0	0	1
		2022	1		0	0	0	0	1
		2022	2		0	0	0	0	1
		2022	3		0	0	0	0	1
		2022	4		0	0	0	0	1
		2022	5		0	0	0	0	1
		2022	6		0	0	0	0	1
		2022	7		0	0	0	0	1
		2022	8		0	0	0	0	1
		2022	9		0	0	0	0	1
		2022	10		0	0	0	0	1
		2022	11		0	0	0	0	1
		2022	12		0	0	0	0	1
		2023	1		0	0	0	0	1
		2023	2		0	0	0	0	1
		2023	3		0	0	0	0	1
		2023	4		0	0	0	0	1
		2023	5		0	0	0	0	1
		2023	6		0	0	0	0	1
		2023	7		0	0	0	0	1
		2023	8		0	0	0	0	1
		2023	9		0	0	0	0	1
		2023	10		0	0	0	0	1
		2023	11		0	0	0	0	1
		2023	12		0	0	0	0	1
		2024	1		0	0	0	0	1
		2024	2		0	0	0	0	1
		2024	3		0	0	0	0	1
		2024	4		0	0	0	0	1
		2024	5		0	0	0	0	1
		2024	6		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2024	7		0	0	0	0	1
		2024	8		0	0	0	0	1
		2024	9		0	0	0	0	1
		2024	10		0	0	0	0	1
		2024	11		0	0	0	0	1
		2024	12		0	0	0	0	1
					0	0	0	0	0
		2007	1		0	0	0	0	1
		2007	2		0	0	0	0	1
		2007	3		0	0	0	0	1
		2007	4		0	0	0	0	1
		2007	5		0	0	0	0	1
		2007	6		0	0	0	0	1
		2007	7		0	0	0	0	1
		2007	8		0	0	0	0	1
		2007	9		0	0	0	0	1
		2007	10		0	0	0	0	1
		2007	11		0	0	0	0	1
		2007	12		0	0	0	0	1
		2008	1		0	0	0	0	1
		2008	2		0	0	0	0	1
		2008	3		0	0	0	0	1
		2008	4		0	0	0	0	1
		2008	5		0	0	0	0	1
		2008	6		0	0	0	0	1
		2008	7		0	0	0	0	1
		2008	8		0	0	0	0	1
		2008	9		0	0	0	0	1
		2008	10		0	0	0	0	1
		2008	11		0	0	0	0	1
		2008	12		0	0	0	0	1
		2009	1		0	0	0	0	1
		2009	2		0	0	0	0	1
		2009	3		0	0	0	0	1
		2009	4		0	0	0	0	1
		2009	5		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2009	6		0	0	0	0	1
		2009	7		0	0	0	0	1
		2009	8		0	0	0	0	1
		2009	9		0	0	0	0	1
		2009	10		0	0	0	0	1
		2009	11		0	0	0	0	1
		2009	12		0	0	0	0	1
		2010	1		0	0	0	0	1
		2010	2		0	0	0	0	1
		2010	3		0	0	0	0	1
		2010	4		0	0	0	0	1
		2010	5		0	0	0	0	1
		2010	6		0	0	0	0	1
		2010	7		0	0	0	0	1
		2010	8		0	0	0	0	1
		2010	9		0	0	0	0	1
		2010	10		0	0	0	0	1
		2010	11		0	0	0	0	1
		2010	12		0	0	0	0	1
		2011	1		0	0	0	0	1
		2011	2		0	0	0	0	1
		2011	3		0	0	0	0	1
		2011	4		0	0	0	0	1
		2011	5		0	0	0	0	1
		2011	6		0	0	0	0	1
		2011	7		0	0	0	0	1
		2011	8		0	0	0	0	1
		2011	9		0	0	0	0	1
		2011	10		0	0	0	0	1
		2011	11		0	0	0	0	1
		2011	12		0	0	0	0	1
		2012	1		0	0	0	0	1
		2012	2		0	0	0	0	1
		2012	3		0	0	0	0	1
		2012	4		0	0	0	0	1
		2012	5		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2012	6		0	0	0	0	1
		2012	7		0	0	0	0	1
		2012	8		0	0	0	0	1
		2012	9		0	0	0	0	1
		2012	10		0	0	0	0	1
		2012	11		0	0	0	0	1
		2012	12		0	0	0	0	1
		2013	1		0	0	0	0	1
		2013	1		0	0	0	0	1
		2013	2		0	0	0	0	1
		2013	3		0	0	0	0	1
		2013	4		0	0	0	0	1
		2013	5		0	0	0	0	1
		2013	6		0	0	0	0	1
		2013	7		0	0	0	0	1
		2013	8		0	0	0	0	1
		2013	9		0	0	0	0	1
		2013	10		0	0	0	0	1
		2013	11		0	0	0	0	1
		2013	12		0	0	0	0	1
		2014	1		0	0	0	0	1
		2014	2		0	0	0	0	1
		2014	3		0	0	0	0	1
		2014	4		0	0	0	0	1
		2014	5		0	0	0	0	1
		2014	6		0	0	0	0	1
		2014	7		0	0	0	0	1
		2014	8		0	0	0	0	1
		2014	9		0	0	0	0	1
		2014	10		0	0	0	0	1
		2014	11		0	0	0	0	1
		2014	12		0	0	0	0	1
		2015	1		0	0	0	0	1
		2015	2		0	0	0	0	1
		2015	3		0	0	0	0	1
		2015	4		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2015	5		0	0	0	0	1
		2015	6		0	0	0	0	1
		2015	7		0	0	0	0	1
		2015	8		0	0	0	0	1
		2015	9		0	0	0	0	1
		2015	10		0	0	0	0	1
		2015	11		0	0	0	0	1
		2015	12		0	0	0	0	1
		2016	1		0	0	0	0	1
		2016	2		0	0	0	0	1
		2016	3		0	0	0	0	1
		2016	4		0	0	0	0	1
		2016	5		0	0	0	0	1
		2016	6		0	0	0	0	1
		2016	7		0	0	0	0	1
		2016	8		0	0	0	0	1
		2016	9		0	0	0	0	1
		2016	10		0	0	0	0	1
		2016	11		0	0	0	0	1
		2016	12		0	0	0	0	1
		2017	1		0	0	0	0	1
		2017	2		0	0	0	0	1
		2017	3		0	0	0	0	1
		2017	4		0	0	0	0	1
		2017	5		0	0	0	0	1
		2017	6		0	0	0	0	1
		2017	7		0	0	0	0	1
		2017	8		0	0	0	0	1
		2017	9		0	0	0	0	1
		2017	10		0	0	0	0	1
		2017	11		0	0	0	0	1
		2017	12		0	0	0	0	1
		2018	1		0	0	0	0	1
		2018	2		0	0	0	0	1
		2018	3		0	0	0	0	1
		2018	4		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2018	5		0	0	0	0	1
		2018	6		0	0	0	0	1
		2018	7		0	0	0	0	1
		2018	8		0	0	0	0	1
		2018	9		0	0	0	0	1
		2018	10		0	0	0	0	1
		2018	11		0	0	0	0	1
		2018	12		0	0	0	0	1
		2019	1		0	0	0	0	1
		2019	2		0	0	0	0	1
		2019	3		0	0	0	0	1
		2019	4		0	0	0	0	1
		2019	5		0	0	0	0	1
		2019	6		0	0	0	0	1
		2019	7		0	0	0	0	1
		2019	8		0	0	0	0	1
		2019	9		0	0	0	0	1
		2019	10		0	0	0	0	1
		2019	11		0	0	0	0	1
		2019	12		0	0	0	0	1
		2020	1		0	0	0	0	1
		2020	2		0	0	0	0	1
		2020	3		0	0	0	0	1
		2020	4		0	0	0	0	1
		2020	5		0	0	0	0	1
		2020	6		0	0	0	0	1
		2020	7		0	0	0	0	1
		2020	8		0	0	0	0	1
		2020	9		0	0	0	0	1
		2020	10		0	0	0	0	1
		2020	11		0	0	0	0	1
		2020	12		0	0	0	0	1
		2021	1		0	0	0	0	1
		2021	2		0	0	0	0	1
		2021	3		0	0	0	0	1
		2021	4		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2021	5	5	0	0	0	0	1
		2021	6	6	0	0	0	0	1
		2021	7	7	0	0	0	0	1
		2021	8	8	0	0	0	0	1
		2021	9	9	0	0	0	0	1
		2021	10	10	0	0	0	0	1
		2021	11	11	0	0	0	0	1
		2021	12	12	0	0	0	0	1
		2022	1	1	0	0	0	0	1
		2022	2	2	0	0	0	0	1
		2022	3	3	0	0	0	0	1
		2022	4	4	0	0	0	0	1
		2022	5	5	0	0	0	0	1
		2022	6	6	0	0	0	0	1
		2022	7	7	0	0	0	0	1
		2022	8	8	0	0	0	0	1
		2022	9	9	0	0	0	0	1
		2022	10	10	0	0	0	0	1
		2022	11	11	0	0	0	0	1
		2022	12	12	0	0	0	0	1
		2023	1	1	0	0	0	0	1
		2023	2	2	0	0	0	0	1
		2023	3	3	0	0	0	0	1
		2023	4	4	0	0	0	0	1
		2023	5	5	0	0	0	0	1
		2023	6	6	0	0	0	0	1
		2023	7	7	0	0	0	0	1
		2023	8	8	0	0	0	0	1
		2023	9	9	0	0	0	0	1
		2023	10	10	0	0	0	0	1
		2023	11	11	0	0	0	0	1
		2023	12	12	0	0	0	0	1
		2024	1	1	0	0	0	0	1
		2024	2	2	0	0	0	0	1
		2024	3	3	0	0	0	0	1
		2024	4	4	0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2	
		2024	5	5	0	0	0	0	1	0
		2024	6	6	0	0	0	0	1	0
		2024	7	7	0	0	0	0	1	0
		2024	8	8	0	0	0	0	1	0
		2024	9	9	0	0	0	0	1	0
		2024	10	10	0	0	0	0	1	0
		2024	11	11	0	0	0	0	1	0
		2024	12	12	0	0	0	0	1	0
		2006	2	2	0	0	0	0	1	0
		2006	3	3	0	0	0	0	1	0
		2006	4	4	0	0	0	0	1	0
		2006	5	5	0	0	0	0	1	0
		2006	6	6	0	0	0	0	1	0
		2006	7	7	0	0	0	0	1	0
		2006	8	8	0	0	0	0	1	0
		2006	9	9	0	0	0	0	1	0
		2006	10	10	0	0	0	0	1	0
		2006	11	11	0	0	0	0	1	0
		2006	12	12	0	0	0	0	1	0
		2007	1	1	0	0	0	0	1	0
		2007	2	2	0	0	0	0	1	0
		2007	3	3	0	0	0	0	1	0
		2007	4	4	0	0	0	0	1	0
		2007	5	5	0	0	0	0	1	0
		2007	6	6	0	0	0	0	1	0
		2007	7	7	0	0	0	0	1	0
		2007	8	8	0	0	0	0	1	0
		2007	9	9	0	0	0	0	1	0
		2007	10	10	0	0	0	0	1	0
		2007	11	11	0	0	0	0	1	0
		2007	12	12	0	0	0	0	1	0
		2008	1	1	0	0	0	0	1	0
		2008	2	2	0	0	0	0	1	0
		2008	3	3	0	0	0	0	1	0
		2008	4	4	0	0	0	0	1	0
		2008	5	5	0	0	0	0	1	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2008	6		0	0	0	0	1
		2008	7		0	0	0	0	1
		2008	8		0	0	0	0	1
		2008	9		0	0	0	0	1
		2008	10		0	0	0	0	1
		2008	11		0	0	0	0	1
		2008	12		0	0	0	0	1
		2009	1		0	0	0	0	1
		2009	2		0	0	0	0	1
		2009	3		0	0	0	0	1
		2009	4		0	0	0	0	1
		2009	5		0	0	0	0	1
		2009	6		0	0	0	0	1
		2009	7		0	0	0	0	1
		2009	8		0	0	0	0	1
		2009	9		0	0	0	0	1
		2009	10		0	0	0	0	1
		2009	11		0	0	0	0	1
		2009	12		0	0	0	0	1
		2010	1		0	0	0	0	1
		2010	2		0	0	0	0	1
		2010	3		0	0	0	0	1
		2010	4		0	0	0	0	1
		2010	5		0	0	0	0	1
		2010	6		0	0	0	0	1
		2010	7		0	0	0	0	1
		2010	8		0	0	0	0	1
		2010	9		0	0	0	0	1
		2010	10		0	0	0	0	1
		2010	11		0	0	0	0	1
		2010	12		0	0	0	0	1
		2011	1		0	0	0	0	1
		2011	2		0	0	0	0	1
		2011	3		0	0	0	0	1
		2011	4		0	0	0	0	1
		2011	5		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2011	6		0	0	0	0	1
		2011	7		0	0	0	0	1
		2011	8		0	0	0	0	1
		2011	9		0	0	0	0	1
		2011	10		0	0	0	0	1
		2011	11		0	0	0	0	1
		2011	12		0	0	0	0	1
		2012	1		0	0	0	0	1
		2012	2		0	0	0	0	1
		2012	3		0	0	0	0	1
		2012	4		0	0	0	0	1
		2012	5		0	0	0	0	1
		2012	6		0	0	0	0	1
		2012	7		0	0	0	0	1
		2012	8		0	0	0	0	1
		2012	9		0	0	0	0	1
		2012	10		0	0	0	0	1
		2012	11		0	0	0	0	1
		2012	12		0	0	0	0	1
		2013	1		0	0	0	0	1
		2013	2		0	0	0	0	1
		2013	3		0	0	0	0	1
		2013	4		0	0	0	0	1
		2013	5		0	0	0	0	1
		2013	6		0	0	0	0	1
		2013	7		0	0	0	0	1
		2013	8		0	0	0	0	1
		2013	9		0	0	0	0	1
		2013	10		0	0	0	0	1
		2013	11		0	0	0	0	1
		2013	12		0	0	0	0	1
		2014	1		0	0	0	0	1
		2014	2		0	0	0	0	1
		2014	3		0	0	0	0	1
		2014	4		0	0	0	0	1
		2014	5		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2014	6		0	0	0	0	1
		2014	7		0	0	0	0	1
		2014	8		0	0	0	0	1
		2014	9		0	0	0	0	1
		2014	10		0	0	0	0	1
		2014	11		0	0	0	0	1
		2014	12		0	0	0	0	1
		2015	1		0	0	0	0	1
		2015	2		0	0	0	0	1
		2015	3		0	0	0	0	1
		2015	4		0	0	0	0	1
		2015	5		0	0	0	0	1
		2015	6		0	0	0	0	1
		2015	7		0	0	0	0	1
		2015	8		0	0	0	0	1
		2015	9		0	0	0	0	1
		2015	10		0	0	0	0	1
		2015	11		0	0	0	0	1
		2015	12		0	0	0	0	1
		2016	1		0	0	0	0	1
		2016	2		0	0	0	0	1
		2016	3		0	0	0	0	1
		2016	4		0	0	0	0	1
		2016	5		0	0	0	0	1
		2016	6		0	0	0	0	1
		2016	7		0	0	0	0	1
		2016	8		0	0	0	0	1
		2016	9		0	0	0	0	1
		2016	10		0	0	0	0	1
		2016	11		0	0	0	0	1
		2016	12		0	0	0	0	1
		2017	1		0	0	0	0	1
		2017	2		0	0	0	0	1
		2017	3		0	0	0	0	1
		2017	4		0	0	0	0	1
		2017	5		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2017	6		0	0	0	0	1
		2017	7		0	0	0	0	1
		2017	8		0	0	0	0	1
		2017	9		0	0	0	0	1
		2017	10		0	0	0	0	1
		2017	11		0	0	0	0	1
		2017	12		0	0	0	0	1
		2018	1		0	0	0	0	1
		2018	2		0	0	0	0	1
		2018	3		0	0	0	0	1
		2018	4		0	0	0	0	1
		2018	5		0	0	0	0	1
		2018	6		0	0	0	0	1
		2018	7		0	0	0	0	1
		2018	8		0	0	0	0	1
		2018	9		0	0	0	0	1
		2018	10		0	0	0	0	1
		2018	11		0	0	0	0	1
		2018	12		0	0	0	0	1
		2019	1		0	0	0	0	1
		2019	2		0	0	0	0	1
		2019	3		0	0	0	0	1
		2019	4		0	0	0	0	1
		2019	5		0	0	0	0	1
		2019	6		0	0	0	0	1
		2019	7		0	0	0	0	1
		2019	8		0	0	0	0	1
		2019	9		0	0	0	0	1
		2019	10		0	0	0	0	1
		2019	11		0	0	0	0	1
		2019	12		0	0	0	0	1
		2020	1		0	0	0	0	1
		2020	2		0	0	0	0	1
		2020	3		0	0	0	0	1
		2020	4		0	0	0	0	1
		2020	5		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2020	6		0	0	0	0	1
		2020	7		0	0	0	0	1
		2020	8		0	0	0	0	1
		2020	9		0	0	0	0	1
		2020	10		0	0	0	0	1
		2020	11		0	0	0	0	1
		2020	12		0	0	0	0	1
		2021	1		0	0	0	0	1
		2021	2		0	0	0	0	1
		2021	3		0	0	0	0	1
		2021	4		0	0	0	0	1
		2021	5		0	0	0	0	1
		2021	6		0	0	0	0	1
		2021	7		0	0	0	0	1
		2021	8		0	0	0	0	1
		2021	9		0	0	0	0	1
		2021	10		0	0	0	0	1
		2021	11		0	0	0	0	1
		2021	12		0	0	0	0	1
		2022	1		0	0	0	0	1
		2022	2		0	0	0	0	1
		2022	3		0	0	0	0	1
		2022	4		0	0	0	0	1
		2022	5		0	0	0	0	1
		2022	6		0	0	0	0	1
		2022	7		0	0	0	0	1
		2022	8		0	0	0	0	1
		2022	9		0	0	0	0	1
		2022	10		0	0	0	0	1
		2022	11		0	0	0	0	1
		2022	12		0	0	0	0	1
		2023	1		0	0	0	0	1
		2023	2		0	0	0	0	1
		2023	3		0	0	0	0	1
		2023	4		0	0	0	0	1
		2023	5		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2023	6	0	0	0	0	0	1
		2023	7	0	0	0	0	0	1
		2023	8	0	0	0	0	0	1
		2023	9	0	0	0	0	0	1
		2023	10	0	0	0	0	0	1
		2023	11	0	0	0	0	0	1
		2023	12	0	0	0	0	0	1
		2024	1	0	0	0	0	0	1
		2024	2	0	0	0	0	0	1
		2024	3	0	0	0	0	0	1
		2024	4	0	0	0	0	0	1
		2024	5	0	0	0	0	0	1
		2024	6	0	0	0	0	0	1
		2024	7	0	0	0	0	0	1
		2024	8	0	0	0	0	0	1
		2024	9	0	0	0	0	0	1
		2024	10	0	0	0	0	0	1
		2024	11	0	0	0	0	0	1
		2024	12	0	0	0	0	0	1
		2006	2	0	0	0	0	0	1
		2006	3	0	0	0	0	0	1
		2006	4	0	0	0	0	0	1
		2006	5	0	0	0	0	0	1
		2006	6	0	0	0	0	0	1
		2006	7	0	0	0	0	0	1
		2006	8	0	0	0	0	0	1
		2006	9	0	0	0	0	0	1
		2006	10	0	0	0	0	0	1
		2006	11	0	0	0	0	0	1
		2006	12	0	0	0	0	0	1
		2007	1	0	0	0	0	0	1
		2007	2	0	0	0	0	0	1
		2007	3	0	0	0	0	0	1
		2007	4	0	0	0	0	0	1
		2007	5	0	0	0	0	0	1
		2007	6	0	0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2007	7		0	0	0	0	1
		2007	8		0	0	0	0	1
		2007	9		0	0	0	0	1
		2007	10		0	0	0	0	1
		2007	11		0	0	0	0	1
		2007	12		0	0	0	0	1
		2008	1		0	0	0	0	1
		2008	2		0	0	0	0	1
		2008	3		0	0	0	0	1
		2008	4		0	0	0	0	1
		2008	5		0	0	0	0	1
		2008	6		0	0	0	0	1
		2008	7		0	0	0	0	1
		2008	8		0	0	0	0	1
		2008	9		0	0	0	0	1
		2008	10		0	0	0	0	1
		2008	11		0	0	0	0	1
		2008	12		0	0	0	0	1
		2009	1		0	0	0	0	1
		2009	2		0	0	0	0	1
		2009	3		0	0	0	0	1
		2009	4		0	0	0	0	1
		2009	5		0	0	0	0	1
		2009	6		0	0	0	0	1
		2009	7		0	0	0	0	1
		2009	8		0	0	0	0	1
		2009	9		0	0	0	0	1
		2009	10		0	0	0	0	1
		2009	11		0	0	0	0	1
		2009	12		0	0	0	0	1
		2010	1		0	0	0	0	1
		2010	2		0	0	0	0	1
		2010	3		0	0	0	0	1
		2010	4		0	0	0	0	1
		2010	5		0	0	0	0	1
		2010	6		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2010	7		0	0	0	0	1
		2010	8		0	0	0	0	1
		2010	9		0	0	0	0	1
		2010	10		0	0	0	0	1
		2010	11		0	0	0	0	1
		2010	12		0	0	0	0	1
		2011	1		0	0	0	0	1
		2011	2		0	0	0	0	1
		2011	3		0	0	0	0	1
		2011	4		0	0	0	0	1
		2011	5		0	0	0	0	1
		2011	6		0	0	0	0	1
		2011	7		0	0	0	0	1
		2011	8		0	0	0	0	1
		2011	9		0	0	0	0	1
		2011	10		0	0	0	0	1
		2011	11		0	0	0	0	1
		2011	12		0	0	0	0	1
		2012	1		0	0	0	0	1
		2012	2		0	0	0	0	1
		2012	3		0	0	0	0	1
		2012	4		0	0	0	0	1
		2012	5		0	0	0	0	1
		2012	6		0	0	0	0	1
		2012	7		0	0	0	0	1
		2012	8		0	0	0	0	1
		2012	9		0	0	0	0	1
		2012	10		0	0	0	0	1
		2012	11		0	0	0	0	1
		2012	12		0	0	0	0	1
		2013	1		0	0	0	0	1
		2013	2		0	0	0	0	1
		2013	3		0	0	0	0	1
		2013	4		0	0	0	0	1
		2013	5		0	0	0	0	1
		2013	6		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2013	7		0	0	0	0	1
		2013	8		0	0	0	0	1
		2013	9		0	0	0	0	1
		2013	10		0	0	0	0	1
		2013	11		0	0	0	0	1
		2013	12		0	0	0	0	1
		2014	1		0	0	0	0	1
		2014	2		0	0	0	0	1
		2014	3		0	0	0	0	1
		2014	4		0	0	0	0	1
		2014	5		0	0	0	0	1
		2014	6		0	0	0	0	1
		2014	7		0	0	0	0	1
		2014	8		0	0	0	0	1
		2014	9		0	0	0	0	1
		2014	10		0	0	0	0	1
		2014	11		0	0	0	0	1
		2014	12		0	0	0	0	1
		2015	1		0	0	0	0	1
		2015	2		0	0	0	0	1
		2015	3		0	0	0	0	1
		2015	4		0	0	0	0	1
		2015	5		0	0	0	0	1
		2015	6		0	0	0	0	1
		2015	7		0	0	0	0	1
		2015	8		0	0	0	0	1
		2015	9		0	0	0	0	1
		2015	10		0	0	0	0	1
		2015	11		0	0	0	0	1
		2015	12		0	0	0	0	1
		2016	1		0	0	0	0	1
		2016	2		0	0	0	0	1
		2016	3		0	0	0	0	1
		2016	4		0	0	0	0	1
		2016	5		0	0	0	0	1
		2016	6		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2016	7		0	0	0	0	1
		2016	8		0	0	0	0	1
		2016	9		0	0	0	0	1
		2016	10		0	0	0	0	1
		2016	11		0	0	0	0	1
		2016	12		0	0	0	0	1
		2017	1		0	0	0	0	1
		2017	2		0	0	0	0	1
		2017	3		0	0	0	0	1
		2017	4		0	0	0	0	1
		2017	5		0	0	0	0	1
		2017	6		0	0	0	0	1
		2017	7		0	0	0	0	1
		2017	8		0	0	0	0	1
		2017	9		0	0	0	0	1
		2017	10		0	0	0	0	1
		2017	11		0	0	0	0	1
		2017	12		0	0	0	0	1
		2018	1		0	0	0	0	1
		2018	2		0	0	0	0	1
		2018	3		0	0	0	0	1
		2018	4		0	0	0	0	1
		2018	5		0	0	0	0	1
		2018	6		0	0	0	0	1
		2018	7		0	0	0	0	1
		2018	8		0	0	0	0	1
		2018	9		0	0	0	0	1
		2018	10		0	0	0	0	1
		2018	11		0	0	0	0	1
		2018	12		0	0	0	0	1
		2019	1		0	0	0	0	1
		2019	2		0	0	0	0	1
		2019	3		0	0	0	0	1
		2019	4		0	0	0	0	1
		2019	5		0	0	0	0	1
		2019	6		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2019	7		0	0	0	0	1
		2019	8		0	0	0	0	1
		2019	9		0	0	0	0	1
		2019	10		0	0	0	0	1
		2019	11		0	0	0	0	1
		2019	12		0	0	0	0	1
		2020	1		0	0	0	0	1
		2020	2		0	0	0	0	1
		2020	3		0	0	0	0	1
		2020	4		0	0	0	0	1
		2020	5		0	0	0	0	1
		2020	6		0	0	0	0	1
		2020	7		0	0	0	0	1
		2020	8		0	0	0	0	1
		2020	9		0	0	0	0	1
		2020	10		0	0	0	0	1
		2020	11		0	0	0	0	1
		2020	12		0	0	0	0	1
		2021	1		0	0	0	0	1
		2021	2		0	0	0	0	1
		2021	3		0	0	0	0	1
		2021	4		0	0	0	0	1
		2021	5		0	0	0	0	1
		2021	6		0	0	0	0	1
		2021	7		0	0	0	0	1
		2021	8		0	0	0	0	1
		2021	9		0	0	0	0	1
		2021	10		0	0	0	0	1
		2021	11		0	0	0	0	1
		2021	12		0	0	0	0	1
		2022	1		0	0	0	0	1
		2022	2		0	0	0	0	1
		2022	3		0	0	0	0	1
		2022	4		0	0	0	0	1
		2022	5		0	0	0	0	1
		2022	6		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2022	7		0	0	0	0	1
		2022	8		0	0	0	0	1
		2022	9		0	0	0	0	1
		2022	10		0	0	0	0	1
		2022	11		0	0	0	0	1
		2022	12		0	0	0	0	1
		2023	1		0	0	0	0	1
		2023	2		0	0	0	0	1
		2023	3		0	0	0	0	1
		2023	4		0	0	0	0	1
		2023	5		0	0	0	0	1
		2023	6		0	0	0	0	1
		2023	7		0	0	0	0	1
		2023	8		0	0	0	0	1
		2023	9		0	0	0	0	1
		2023	10		0	0	0	0	1
		2023	11		0	0	0	0	1
		2023	12		0	0	0	0	1
		2024	1		0	0	0	0	1
		2024	2		0	0	0	0	1
		2024	3		0	0	0	0	1
		2024	4		0	0	0	0	1
		2024	5		0	0	0	0	1
		2024	6		0	0	0	0	1
		2024	7		0	0	0	0	1
		2024	8		0	0	0	0	1
		2024	9		0	0	0	0	1
		2024	10		0	0	0	0	1
		2024	11		0	0	0	0	1
		2024	12		0	0	0	0	1
		2000	1		0	0	0	0	0
		2000	2		0	0	0	0	0
		2000	3		0	0	0	0	0
		2000	4		0	0	0	0	0
		2000	5		0	0	0	0	0
		2000	6		0	0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2000	7		0	0	0	0	0
		2000	8		0	0	0	0	0
		2000	9		0	0	0	0	0
		2000	10		0	0	0	0	0
		2000	11		0	0	0	0	0
		2000	12		0	0	0	0	0
		2001	1		0	0	0	0	0
		2001	2		0	0	0	0	0
		2001	3		0	0	0	0	0
		2001	4		0	0	0	0	0
		2001	5		0	0	0	0	0
		2001	6		0	0	0	0	0
		2001	7		0	0	0	0	0
		2001	8		0	0	0	0	0
		2001	9		0	1	0	0	0
		2001	10		0	0	0	0	0
		2001	11		0	0	0	0	0
		2001	12		0	0	0	0	0
		2002	1		0	0	0	0	0
		2002	2		0	0	0	0	0
		2002	3		0	0	0	0	0
		2002	4		0	0	0	0	0
		2002	5		0	0	0	0	0
		2002	6		0	0	-1	0	0
		2002	7		0	0	0	0	0
		2002	8		0	0	0	0	0
		2002	9		0	0	0	0	0
		2002	10		0	0	0	0	0
		2002	11		0	0	0	0	0
		2002	12		0	0	0	0	0
		2003	1		0	0	0	0	0
		2003	2		0	0	0	0	0
		2003	3		0	0	0	0	0
		2003	4		0	0	0	-1	0
		2003	5		0	0	0	0	0
		2003	6		0	0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2003	7		0	0	0	0	0
		2003	8		0	0	0	0	0
		2003	9		0	0	0	0	0
		2003	10		0	0	0	0	0
		2003	11		0	0	0	0	0
		2003	12		0	0	0	0	0
		2004	1		0	0	0	0	0
		2004	2		0	0	0	0	0
		2004	3		0	0	0	0	0
		2004	4		0	0	0	0	0
		2004	5		0	0	0	0	0
		2004	6		0	0	0	0	0
		2004	7		0	0	0	0	0
		2004	8		0	0	0	0	0
		2004	9		-1	0	0	0	0
		2004	10		0	0	0	0	0
		2004	11		0	0	0	0	0
		2004	12		0	0	0	0	0
		2005	1		0	0	0	0	0
		2005	2		0	0	0	0	0
		2005	3		0	0	0	0	0
		2005	4		0	0	0	0	0
		2005	5		0	0	0	0	0
		2005	6		0	0	0	0	0
		2005	7		0	0	0	0	0
		2005	8		0	0	0	0	0
		2005	9		0	0	0	0	0
		2005	10		0	0	0	0	0
		2005	11		0	0	0	0	0
		2005	12		0	0	0	0	0
		2006	1		0	0	0	0	0
		2006	2		0	0	0	0	0
		2006	3		0	0	0	0	0
		2006	4		0	0	0	0	0
		2006	5		0	0	0	0	0
		2006	6		0	0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2006	7		0	0	0	0	1
		2006	8		0	0	0	0	1
		2006	9		0	0	0	0	1
		2006	10		0	0	0	0	1
		2006	11		0	0	0	0	1
		2006	12		0	0	0	0	1
		2007	1		0	0	0	0	1
		2007	2		0	0	0	0	1
		2007	3		0	0	0	0	1
		2007	4		0	0	0	0	1
		2007	5		0	0	0	0	1
		2007	6		0	0	0	0	1
		2007	7		0	0	0	0	1
		2007	8		0	0	0	0	1
		2007	9		0	0	0	0	1
		2007	10		0	0	0	0	1
		2007	11		0	0	0	0	1
		2007	12		0	0	0	0	1
		2008	1		0	0	0	0	1
		2008	2		0	0	0	0	1
		2008	3		0	0	0	0	1
		2008	4		0	0	0	0	1
		2008	5		0	0	0	0	1
		2008	6		0	0	0	0	1
		2008	7		0	0	0	0	1
		2008	8		0	0	0	0	1
		2008	9		0	0	0	0	1
		2008	10		0	0	0	0	1
		2008	11		0	0	0	0	1
		2008	12		0	0	0	0	1
		2009	1		0	0	0	0	1
		2009	2		0	0	0	0	1
		2009	3		0	0	0	0	1
		2009	4		0	0	0	0	1
		2009	5		0	0	0	0	1
		2009	6		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2009	7		0	0	0	0	1
		2009	8		0	0	0	0	1
		2009	9		0	0	0	0	1
		2009	10		0	0	0	0	1
		2009	11		0	0	0	0	1
		2009	12		0	0	0	0	1
		2010	1		0	0	0	0	1
		2010	2		0	0	0	0	1
		2010	3		0	0	0	0	1
		2010	4		0	0	0	0	1
		2010	5		0	0	0	0	1
		2010	6		0	0	0	0	1
		2010	7		0	0	0	0	1
		2010	8		0	0	0	0	1
		2010	9		0	0	0	0	1
		2010	10		0	0	0	0	1
		2010	11		0	0	0	0	1
		2010	12		0	0	0	0	1
		2011	1		0	0	0	0	1
		2011	2		0	0	0	0	1
		2011	3		0	0	0	0	1
		2011	4		0	0	0	0	1
		2011	5		0	0	0	0	1
		2011	6		0	0	0	0	1
		2011	7		0	0	0	0	1
		2011	8		0	0	0	0	1
		2011	9		0	0	0	0	1
		2011	10		0	0	0	0	1
		2011	11		0	0	0	0	1
		2011	12		0	0	0	0	1
		2012	1		0	0	0	0	1
		2012	2		0	0	0	0	1
		2012	3		0	0	0	0	1
		2012	4		0	0	0	0	1
		2012	5		0	0	0	0	1
		2012	6		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2012	7		0	0	0	0	1
		2012	8		0	0	0	0	1
		2012	9		0	0	0	0	1
		2012	10		0	0	0	0	1
		2012	11		0	0	0	0	1
		2012	12		0	0	0	0	1
		2013	1		0	0	0	0	1
		2013	2		0	0	0	0	1
		2013	3		0	0	0	0	1
		2013	4		0	0	0	0	1
		2013	5		0	0	0	0	1
		2013	6		0	0	0	0	1
		2013	7		0	0	0	0	1
		2013	8		0	0	0	0	1
		2013	9		0	0	0	0	1
		2013	10		0	0	0	0	1
		2013	11		0	0	0	0	1
		2013	12		0	0	0	0	1
		2014	1		0	0	0	0	1
		2014	2		0	0	0	0	1
		2014	3		0	0	0	0	1
		2014	4		0	0	0	0	1
		2014	5		0	0	0	0	1
		2014	6		0	0	0	0	1
		2014	7		0	0	0	0	1
		2014	8		0	0	0	0	1
		2014	9		0	0	0	0	1
		2014	10		0	0	0	0	1
		2014	11		0	0	0	0	1
		2014	12		0	0	0	0	1
		2015	1		0	0	0	0	1
		2015	2		0	0	0	0	1
		2015	3		0	0	0	0	1
		2015	4		0	0	0	0	1
		2015	5		0	0	0	0	1
		2015	6		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2015	7		0	0	0	0	1
		2015	8		0	0	0	0	1
		2015	9		0	0	0	0	1
		2015	10		0	0	0	0	1
		2015	11		0	0	0	0	1
		2015	12		0	0	0	0	1
		2016	1		0	0	0	0	1
		2016	2		0	0	0	0	1
		2016	3		0	0	0	0	1
		2016	4		0	0	0	0	1
		2016	5		0	0	0	0	1
		2016	6		0	0	0	0	1
		2016	7		0	0	0	0	1
		2016	8		0	0	0	0	1
		2016	9		0	0	0	0	1
		2016	10		0	0	0	0	1
		2016	11		0	0	0	0	1
		2016	12		0	0	0	0	1
		2017	1		0	0	0	0	1
		2017	2		0	0	0	0	1
		2017	3		0	0	0	0	1
		2017	4		0	0	0	0	1
		2017	5		0	0	0	0	1
		2017	6		0	0	0	0	1
		2017	7		0	0	0	0	1
		2017	8		0	0	0	0	1
		2017	9		0	0	0	0	1
		2017	10		0	0	0	0	1
		2017	11		0	0	0	0	1
		2017	12		0	0	0	0	1
		2018	1		0	0	0	0	1
		2018	2		0	0	0	0	1
		2018	3		0	0	0	0	1
		2018	4		0	0	0	0	1
		2018	5		0	0	0	0	1
		2018	6		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2018	7		0	0	0	0	1
		2018	8		0	0	0	0	1
		2018	9		0	0	0	0	1
		2018	10		0	0	0	0	1
		2018	11		0	0	0	0	1
		2018	12		0	0	0	0	1
		2019	1		0	0	0	0	1
		2019	2		0	0	0	0	1
		2019	3		0	0	0	0	1
		2019	4		0	0	0	0	1
		2019	5		0	0	0	0	1
		2019	6		0	0	0	0	1
		2019	7		0	0	0	0	1
		2019	8		0	0	0	0	1
		2019	9		0	0	0	0	1
		2019	10		0	0	0	0	1
		2019	11		0	0	0	0	1
		2019	12		0	0	0	0	1
		2020	1		0	0	0	0	1
		2020	2		0	0	0	0	1
		2020	3		0	0	0	0	1
		2020	4		0	0	0	0	1
		2020	5		0	0	0	0	1
		2020	6		0	0	0	0	1
		2020	7		0	0	0	0	1
		2020	8		0	0	0	0	1
		2020	9		0	0	0	0	1
		2020	10		0	0	0	0	1
		2020	11		0	0	0	0	1
		2020	12		0	0	0	0	1
		2021	1		0	0	0	0	1
		2021	2		0	0	0	0	1
		2021	3		0	0	0	0	1
		2021	4		0	0	0	0	1
		2021	5		0	0	0	0	1
		2021	6		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2021	7		0	0	0	0	1
		2021	8		0	0	0	0	1
		2021	9		0	0	0	0	1
		2021	10		0	0	0	0	1
		2021	11		0	0	0	0	1
		2021	12		0	0	0	0	1
		2022	1		0	0	0	0	1
		2022	2		0	0	0	0	1
		2022	3		0	0	0	0	1
		2022	4		0	0	0	0	1
		2022	5		0	0	0	0	1
		2022	6		0	0	0	0	1
		2022	7		0	0	0	0	1
		2022	8		0	0	0	0	1
		2022	9		0	0	0	0	1
		2022	10		0	0	0	0	1
		2022	11		0	0	0	0	1
		2022	12		0	0	0	0	1
		2023	1		0	0	0	0	1
		2023	2		0	0	0	0	1
		2023	3		0	0	0	0	1
		2023	4		0	0	0	0	1
		2023	5		0	0	0	0	1
		2023	6		0	0	0	0	1
		2023	7		0	0	0	0	1
		2023	8		0	0	0	0	1
		2023	9		0	0	0	0	1
		2023	10		0	0	0	0	1
		2023	11		0	0	0	0	1
		2023	12		0	0	0	0	1
		2024	1		0	0	0	0	1
		2024	2		0	0	0	0	1
		2024	3		0	0	0	0	1
		2024	4		0	0	0	0	1
		2024	5		0	0	0	0	1
		2024	6		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2006	7		0	0	0	0	1
		2006	8		0	0	0	0	1
		2006	9		0	0	0	0	1
		2006	10		0	0	0	0	1
		2006	11		0	0	0	0	1
		2006	12		0	0	0	0	1
		2007	1		0	0	0	0	1
		2007	2		0	0	0	0	1
		2007	3		0	0	0	0	1
		2007	4		0	0	0	0	1
		2007	5		0	0	0	0	1
		2007	6		0	0	0	0	1
		2007	7		0	0	0	0	1
		2007	8		0	0	0	0	1
		2007	9		0	0	0	0	1
		2007	10		0	0	0	0	1
		2007	11		0	0	0	0	1
		2007	12		0	0	0	0	1
		2008	1		0	0	0	0	1
		2008	2		0	0	0	0	1
		2008	3		0	0	0	0	1
		2008	4		0	0	0	0	1
		2008	5		0	0	0	0	1
		2008	6		0	0	0	0	1
		2008	7		0	0	0	0	1
		2008	8		0	0	0	0	1
		2008	9		0	0	0	0	1
		2008	10		0	0	0	0	1
		2008	11		0	0	0	0	1
		2008	12		0	0	0	0	1
		2009	1		0	0	0	0	1
		2009	2		0	0	0	0	1
		2009	3		0	0	0	0	1
		2009	4		0	0	0	0	1
		2009	5		0	0	0	0	1
		2009	6		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2009	7		0	0	0	0	1
		2009	8		0	0	0	0	1
		2009	9		0	0	0	0	1
		2009	10		0	0	0	0	1
		2009	11		0	0	0	0	1
		2009	12		0	0	0	0	1
		2010	1		0	0	0	0	1
		2010	2		0	0	0	0	1
		2010	3		0	0	0	0	1
		2010	4		0	0	0	0	1
		2010	5		0	0	0	0	1
		2010	6		0	0	0	0	1
		2010	7		0	0	0	0	1
		2010	8		0	0	0	0	1
		2010	9		0	0	0	0	1
		2010	10		0	0	0	0	1
		2010	11		0	0	0	0	1
		2010	12		0	0	0	0	1
		2011	1		0	0	0	0	1
		2011	2		0	0	0	0	1
		2011	3		0	0	0	0	1
		2011	4		0	0	0	0	1
		2011	5		0	0	0	0	1
		2011	6		0	0	0	0	1
		2011	7		0	0	0	0	1
		2011	8		0	0	0	0	1
		2011	9		0	0	0	0	1
		2011	10		0	0	0	0	1
		2011	11		0	0	0	0	1
		2011	12		0	0	0	0	1
		2012	1		0	0	0	0	1
		2012	2		0	0	0	0	1
		2012	3		0	0	0	0	1
		2012	4		0	0	0	0	1
		2012	5		0	0	0	0	1
		2012	6		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2012	7		0	0	0	0	1
		2012	8		0	0	0	0	1
		2012	9		0	0	0	0	1
		2012	10		0	0	0	0	1
		2012	11		0	0	0	0	1
		2012	12		0	0	0	0	1
		2013	1		0	0	0	0	1
		2013	2		0	0	0	0	1
		2013	3		0	0	0	0	1
		2013	4		0	0	0	0	1
		2013	5		0	0	0	0	1
		2013	6		0	0	0	0	1
		2013	7		0	0	0	0	1
		2013	8		0	0	0	0	1
		2013	9		0	0	0	0	1
		2013	10		0	0	0	0	1
		2013	11		0	0	0	0	1
		2013	12		0	0	0	0	1
		2014	1		0	0	0	0	1
		2014	2		0	0	0	0	1
		2014	3		0	0	0	0	1
		2014	4		0	0	0	0	1
		2014	5		0	0	0	0	1
		2014	6		0	0	0	0	1
		2014	7		0	0	0	0	1
		2014	8		0	0	0	0	1
		2014	9		0	0	0	0	1
		2014	10		0	0	0	0	1
		2014	11		0	0	0	0	1
		2014	12		0	0	0	0	1
		2015	1		0	0	0	0	1
		2015	2		0	0	0	0	1
		2015	3		0	0	0	0	1
		2015	4		0	0	0	0	1
		2015	5		0	0	0	0	1
		2015	6		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2015	7		0	0	0	0	1
		2015	8		0	0	0	0	1
		2015	9		0	0	0	0	1
		2015	10		0	0	0	0	1
		2015	11		0	0	0	0	1
		2015	12		0	0	0	0	1
		2016	1		0	0	0	0	1
		2016	2		0	0	0	0	1
		2016	3		0	0	0	0	1
		2016	4		0	0	0	0	1
		2016	5		0	0	0	0	1
		2016	6		0	0	0	0	1
		2016	7		0	0	0	0	1
		2016	8		0	0	0	0	1
		2016	9		0	0	0	0	1
		2016	10		0	0	0	0	1
		2016	11		0	0	0	0	1
		2016	12		0	0	0	0	1
		2017	1		0	0	0	0	1
		2017	2		0	0	0	0	1
		2017	3		0	0	0	0	1
		2017	4		0	0	0	0	1
		2017	5		0	0	0	0	1
		2017	6		0	0	0	0	1
		2017	7		0	0	0	0	1
		2017	8		0	0	0	0	1
		2017	9		0	0	0	0	1
		2017	10		0	0	0	0	1
		2017	11		0	0	0	0	1
		2017	12		0	0	0	0	1
		2018	1		0	0	0	0	1
		2018	2		0	0	0	0	1
		2018	3		0	0	0	0	1
		2018	4		0	0	0	0	1
		2018	5		0	0	0	0	1
		2018	6		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2018	7		0	0	0	0	1
		2018	8		0	0	0	0	1
		2018	9		0	0	0	0	1
		2018	10		0	0	0	0	1
		2018	11		0	0	0	0	1
		2018	12		0	0	0	0	1
		2019	1		0	0	0	0	1
		2019	2		0	0	0	0	1
		2019	3		0	0	0	0	1
		2019	4		0	0	0	0	1
		2019	5		0	0	0	0	1
		2019	6		0	0	0	0	1
		2019	7		0	0	0	0	1
		2019	8		0	0	0	0	1
		2019	9		0	0	0	0	1
		2019	10		0	0	0	0	1
		2019	11		0	0	0	0	1
		2019	12		0	0	0	0	1
		2020	1		0	0	0	0	1
		2020	2		0	0	0	0	1
		2020	3		0	0	0	0	1
		2020	4		0	0	0	0	1
		2020	5		0	0	0	0	1
		2020	6		0	0	0	0	1
		2020	7		0	0	0	0	1
		2020	8		0	0	0	0	1
		2020	9		0	0	0	0	1
		2020	10		0	0	0	0	1
		2020	11		0	0	0	0	1
		2020	12		0	0	0	0	1
		2021	1		0	0	0	0	1
		2021	2		0	0	0	0	1
		2021	3		0	0	0	0	1
		2021	4		0	0	0	0	1
		2021	5		0	0	0	0	1
		2021	6		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2021	7		0	0	0	0	1
		2021	8		0	0	0	0	1
		2021	9		0	0	0	0	1
		2021	10		0	0	0	0	1
		2021	11		0	0	0	0	1
		2021	12		0	0	0	0	1
		2022	1		0	0	0	0	1
		2022	2		0	0	0	0	1
		2022	3		0	0	0	0	1
		2022	4		0	0	0	0	1
		2022	5		0	0	0	0	1
		2022	6		0	0	0	0	1
		2022	7		0	0	0	0	1
		2022	8		0	0	0	0	1
		2022	9		0	0	0	0	1
		2022	10		0	0	0	0	1
		2022	11		0	0	0	0	1
		2022	12		0	0	0	0	1
		2023	1		0	0	0	0	1
		2023	2		0	0	0	0	1
		2023	3		0	0	0	0	1
		2023	4		0	0	0	0	1
		2023	5		0	0	0	0	1
		2023	6		0	0	0	0	1
		2023	7		0	0	0	0	1
		2023	8		0	0	0	0	1
		2023	9		0	0	0	0	1
		2023	10		0	0	0	0	1
		2023	11		0	0	0	0	1
		2023	12		0	0	0	0	1
		2024	1		0	0	0	0	1
		2024	2		0	0	0	0	1
		2024	3		0	0	0	0	1
		2024	4		0	0	0	0	1
		2024	5		0	0	0	0	1
		2024	6		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

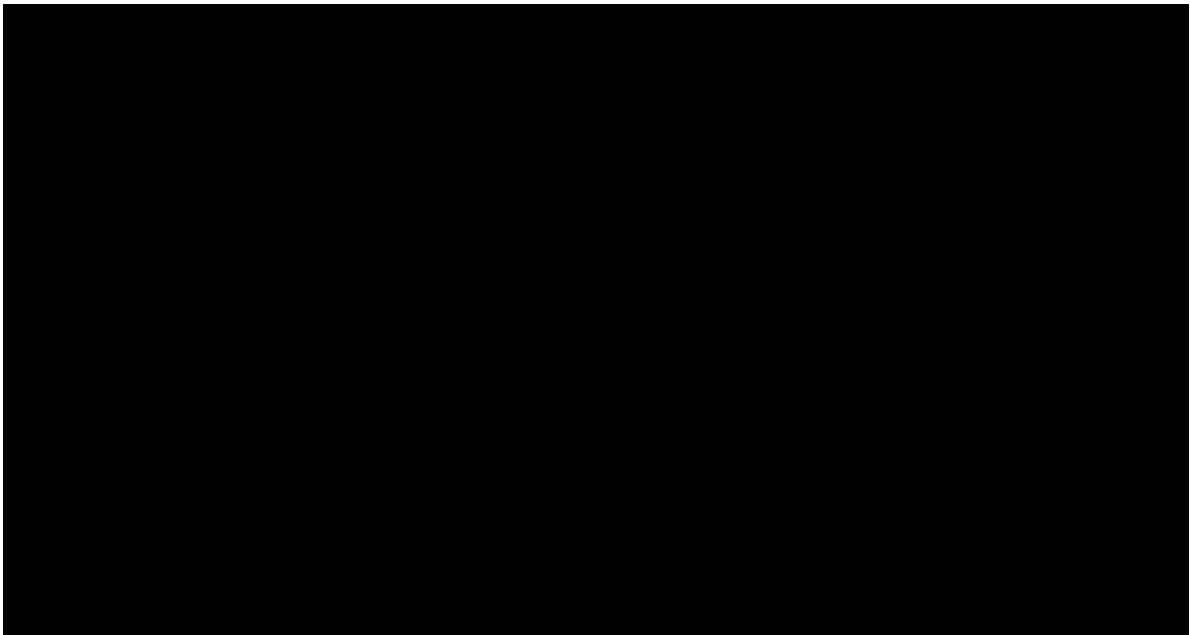
acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2024	7		0	0	0	0	1
		2024	8		0	0	0	0	1
		2024	9		0	0	0	0	1
		2024	10		0	0	0	0	1
		2024	11		0	0	0	0	1
		2024	12		0	0	0	0	1
		1996	1		0	0	0	0	0
		1996	2		0	0	0	0	0
		1996	3		0	0	0	0	0
		1996	4		0	0	0	0	0
		1999	1		0	0	0	0	0
		1999	2		0	0	0	0	0
		1999	3		0	0	0	0	0
		1999	4		0	0	0	0	0
		1999	5		0	0	0	0	0
		1999	6		0	0	0	0	0
		1999	7		0	0	0	0	0
		1999	8		0	0	0	0	0
		1999	9		0	0	0	0	0
		1999	10		0	0	0	0	0
		1999	11		0	0	0	0	0
		1999	12		0	0	0	0	0
		2000	1		0	0	0	0	0
		2000	2		0	0	0	0	0
		2000	3		0	0	0	0	0
		2000	4		0	0	0	0	0
		2000	5		0	0	0	0	0
		2000	6		0	0	0	0	0
		2000	7		0	0	0	0	0
		2000	8		0	0	0	0	0
		2000	9		0	0	0	0	0
		2000	10		0	0	0	0	0
		2000	11		0	0	0	0	0
		2000	12		0	0	0	0	0
		2001	1		0	0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	air2	sid1	sid2	kes1	air2
		2001	2		0	0	0	0	0	0
		2001	3		0	0	0	0	0	0
		2001	4		0	0	0	0	0	0
		2001	5		0	0	0	0	0	0
		2001	6		0	0	0	0	0	0
		2001	7		0	0	0	0	0	0
		2001	8		0	0	0	0	0	0
		2001	9		0	0	1	0	0	0
		2001	10		0	0	0	0	0	0
		2001	11		0	0	0	0	0	0
		2001	12		0	0	0	0	0	0
		2002	1		0	0	0	0	0	0
		2002	2		0	0	0	0	0	0
		2002	3		0	0	0	0	0	0
		2002	4		0	0	0	0	0	0
		2002	5		0	0	0	0	0	0
		2002	6		0	0	0	-1	0	0
		2002	7		0	0	0	0	0	0
		2002	8		0	0	0	0	0	0
		2002	9		0	0	0	0	0	0
		2002	10		0	0	0	0	0	0
		2002	11		0	0	0	0	0	0
		2002	12		0	0	0	0	0	0
		2003	1		0	0	0	0	0	0
		2003	2		0	0	0	0	0	0
		2003	3		0	0	0	0	0	0
		2003	4		0	0	0	0	-1	0
		2003	5		0	0	0	0	0	0
		2003	6		0	0	0	0	0	0
		2003	7		0	0	0	0	0	0
		2003	8		0	0	0	0	0	0
		2003	9		0	0	0	0	0	0
		2003	10		0	0	0	0	0	0
		2003	11		0	0	0	0	0	0
		2003	12		0	0	0	0	0	0
		2004	1		0	0	0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2004	2		0	0	0	0	0
		2004	3		0	0	0	0	0
		2004	4		0	0	0	0	0
		2004	5		0	0	0	0	0
		2004	6		0	0	0	0	0
		2004	7		0	0	0	0	1
		2004	8		0	0	0	0	1
		2004	9		-1	0	0	0	1
		2004	10		0	0	0	0	1
		2004	11		0	0	0	0	1
		2004	12		0	0	0	0	1
		2005	1		0	0	0	0	1
		2005	2		0	0	0	0	1
		2005	3		0	0	0	0	1
		2005	4		0	0	0	0	1
		2005	5		0	0	0	0	1
		2005	6		0	0	0	0	1
		2005	7		0	0	0	0	1
		2005	8		0	0	0	0	1
		2005	9		0	0	0	0	1
		2005	10		0	0	0	0	1
		2005	11		0	0	0	0	1
		2005	12		0	0	0	0	1
		2006	1		0	0	0	0	1
		2006	2		0	0	0	0	1
		2006	3		0	0	0	0	1
		2006	4		0	0	0	0	1
		2006	5		0	0	0	0	1
		2006	6		0	0	0	0	1
		2006	7		0	0	0	0	1
		2006	8		0	0	0	0	1
		2006	9		0	0	0	0	1
		2006	10		0	0	0	0	1
		2006	11		0	0	0	0	1
		2006	12		0	0	0	0	1
		2007	1		0	0	0	0	1



Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2007	2	2	0	0	0	0	1
		2007	3	3	0	0	0	0	1
		2007	4	4	0	0	0	0	1
		2007	5	5	0	0	0	0	1
		2007	6	6	0	0	0	0	1
		2007	7	7	0	0	0	0	1
		2007	8	8	0	0	0	0	1
		2007	9	9	0	0	0	0	1
		2007	10	10	0	0	0	0	1
		2007	11	11	0	0	0	0	1
		2007	12	12	0	0	0	0	1
		2008	1	1	0	0	0	0	1
		2008	2	2	0	0	0	0	1
		2008	3	3	0	0	0	0	1
		2008	4	4	0	0	0	0	1
		2008	5	5	0	0	0	0	1
		2008	6	6	0	0	0	0	1
		2008	7	7	0	0	0	0	1
		2008	8	8	0	0	0	0	1
		2008	9	9	0	0	0	0	1
		2008	10	10	0	0	0	0	1
		2008	11	11	0	0	0	0	1
		2008	12	12	0	0	0	0	1
		2009	1	1	0	0	0	0	1
		2009	2	2	0	0	0	0	1
		2009	3	3	0	0	0	0	1
		2009	4	4	0	0	0	0	1
		2009	5	5	0	0	0	0	1
		2009	6	6	0	0	0	0	1
		2009	7	7	0	0	0	0	1
		2009	8	8	0	0	0	0	1
		2009	9	9	0	0	0	0	1
		2009	10	10	0	0	0	0	1
		2009	11	11	0	0	0	0	1
		2009	12	12	0	0	0	0	1
		2010	1	1	0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2010	2		0	0	0	0	1
		2010	3		0	0	0	0	1
		2010	4		0	0	0	0	1
		2010	5		0	0	0	0	1
		2010	6		0	0	0	0	1
		2010	7		0	0	0	0	1
		2010	8		0	0	0	0	1
		2010	9		0	0	0	0	1
		2010	10		0	0	0	0	1
		2010	11		0	0	0	0	1
		2010	12		0	0	0	0	1
		2011	1		0	0	0	0	1
		2011	2		0	0	0	0	1
		2011	3		0	0	0	0	1
		2011	4		0	0	0	0	1
		2011	5		0	0	0	0	1
		2011	6		0	0	0	0	1
		2011	7		0	0	0	0	1
		2011	8		0	0	0	0	1
		2011	9		0	0	0	0	1
		2011	10		0	0	0	0	1
		2011	11		0	0	0	0	1
		2011	12		0	0	0	0	1
		2012	1		0	0	0	0	1
		2012	2		0	0	0	0	1
		2012	3		0	0	0	0	1
		2012	4		0	0	0	0	1
		2012	5		0	0	0	0	1
		2012	6		0	0	0	0	1
		2012	7		0	0	0	0	1
		2012	8		0	0	0	0	1
		2012	9		0	0	0	0	1
		2012	10		0	0	0	0	1
		2012	11		0	0	0	0	1
		2012	12		0	0	0	0	1
		2013	1		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2013	2		0	0	0	0	1
		2013	3		0	0	0	0	1
		2013	4		0	0	0	0	1
		2013	5		0	0	0	0	1
		2013	6		0	0	0	0	1
		2013	7		0	0	0	0	1
		2013	8		0	0	0	0	1
		2013	9		0	0	0	0	1
		2013	10		0	0	0	0	1
		2013	11		0	0	0	0	1
		2013	12		0	0	0	0	1
		2014	1		0	0	0	0	1
		2014	2		0	0	0	0	1
		2014	3		0	0	0	0	1
		2014	4		0	0	0	0	1
		2014	5		0	0	0	0	1
		2014	6		0	0	0	0	1
		2014	7		0	0	0	0	1
		2014	8		0	0	0	0	1
		2014	9		0	0	0	0	1
		2014	10		0	0	0	0	1
		2014	11		0	0	0	0	1
		2014	12		0	0	0	0	1
		2015	1		0	0	0	0	1
		2015	2		0	0	0	0	1
		2015	3		0	0	0	0	1
		2015	4		0	0	0	0	1
		2015	5		0	0	0	0	1
		2015	6		0	0	0	0	1
		2015	7		0	0	0	0	1
		2015	8		0	0	0	0	1
		2015	9		0	0	0	0	1
		2015	10		0	0	0	0	1
		2015	11		0	0	0	0	1
		2015	12		0	0	0	0	1
		2016	1		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2016	2		0	0	0	0	1
		2016	3		0	0	0	0	1
		2016	4		0	0	0	0	1
		2016	5		0	0	0	0	1
		2016	6		0	0	0	0	1
		2016	7		0	0	0	0	1
		2016	8		0	0	0	0	1
		2016	9		0	0	0	0	1
		2016	10		0	0	0	0	1
		2016	11		0	0	0	0	1
		2016	12		0	0	0	0	1
		2017	1		0	0	0	0	1
		2017	2		0	0	0	0	1
		2017	3		0	0	0	0	1
		2017	4		0	0	0	0	1
		2017	5		0	0	0	0	1
		2017	6		0	0	0	0	1
		2017	7		0	0	0	0	1
		2017	8		0	0	0	0	1
		2017	9		0	0	0	0	1
		2017	10		0	0	0	0	1
		2017	11		0	0	0	0	1
		2017	12		0	0	0	0	1
		2018	1		0	0	0	0	1
		2018	2		0	0	0	0	1
		2018	3		0	0	0	0	1
		2018	4		0	0	0	0	1
		2018	5		0	0	0	0	1
		2018	6		0	0	0	0	1
		2018	7		0	0	0	0	1
		2018	8		0	0	0	0	1
		2018	9		0	0	0	0	1
		2018	10		0	0	0	0	1
		2018	11		0	0	0	0	1
		2018	12		0	0	0	0	1
		2019	1		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2019	2		0	0	0	0	1
		2019	3		0	0	0	0	1
		2019	4		0	0	0	0	1
		2019	5		0	0	0	0	1
		2019	6		0	0	0	0	1
		2019	7		0	0	0	0	1
		2019	8		0	0	0	0	1
		2019	9		0	0	0	0	1
		2019	10		0	0	0	0	1
		2019	11		0	0	0	0	1
		2019	12		0	0	0	0	1
		2020	1		0	0	0	0	1
		2020	2		0	0	0	0	1
		2020	3		0	0	0	0	1
		2020	4		0	0	0	0	1
		2020	5		0	0	0	0	1
		2020	6		0	0	0	0	1
		2020	7		0	0	0	0	1
		2020	8		0	0	0	0	1
		2020	9		0	0	0	0	1
		2020	10		0	0	0	0	1
		2020	11		0	0	0	0	1
		2020	12		0	0	0	0	1
		2021	1		0	0	0	0	1
		2021	2		0	0	0	0	1
		2021	3		0	0	0	0	1
		2021	4		0	0	0	0	1
		2021	5		0	0	0	0	1
		2021	6		0	0	0	0	1
		2021	7		0	0	0	0	1
		2021	8		0	0	0	0	1
		2021	9		0	0	0	0	1
		2021	10		0	0	0	0	1
		2021	11		0	0	0	0	1
		2021	12		0	0	0	0	1
		2022	1		0	0	0	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
		2022	2		0	0	0	0	1
		2022	3		0	0	0	0	1
		2022	4		0	0	0	0	1
		2022	5		0	0	0	0	1
		2022	6		0	0	0	0	1
		2022	7		0	0	0	0	1
		2022	8		0	0	0	0	1
		2022	9		0	0	0	0	1
		2022	10		0	0	0	0	1
		2022	11		0	0	0	0	1
		2022	12		0	0	0	0	1
		2023	1		0	0	0	0	1
		2023	2		0	0	0	0	1
		2023	3		0	0	0	0	1
		2023	4		0	0	0	0	1
		2023	5		0	0	0	0	1
		2023	6		0	0	0	0	1
		2023	7		0	0	0	0	1
		2023	8		0	0	0	0	1
		2023	9		0	0	0	0	1
		2023	10		0	0	0	0	1
		2023	11		0	0	0	0	1
		2023	12		0	0	0	0	1
		2024	1		0	0	0	0	1
		2024	2		0	0	0	0	1
		2024	3		0	0	0	0	1
		2024	4		0	0	0	0	1
		2024	5		0	0	0	0	1
		2024	6		0	0	0	0	1
		2024	7		0	0	0	0	1
		2024	8		0	0	0	0	1
		2024	9		0	0	0	0	1
		2024	10		0	0	0	0	1
		2024	11		0	0	0	0	1
		2024	12		0	0	0	0	1

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	cat5	air1	sid1	sid2	kes1	air2
					0	0	0	0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2008	7		0	1	0
		2008	8		0	1	0
		2008	9		0	1	0
		2008	10		0	1	0
		2008	11		0	1	0
		2008	12		0	1	0
		2009	1		0	1	0
		2009	2		0	1	0
		2009	3		0	1	0
		2009	4		0	1	0
		2009	5		0	1	0
		2009	6		0	1	0
		2009	7		0	1	1
		2009	8		0	1	0
		2009	9		0	1	0
		2009	10		0	1	0
		2009	11		0	1	0
		2009	12		0	1	0
		2010	1		0	1	0
		2010	2		0	1	0
		2010	3		0	1	0
		2010	4		0	1	0
		2010	5		0	1	0
		2010	6		0	1	0
		2010	7		0	1	0
		2010	8		0	1	0
		2010	9		0	1	0
		2010	10		0	1	0
		2010	11		0	1	0
		2010	12		0	1	0
		2011	1		0	1	0
		2011	2		0	1	0
		2011	3		0	1	0
		2011	4		0	1	0
		2011	5		0	1	0
		2011	6		0	1	0

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2011	7		0	1	0
		2011	8		0	1	0
		2011	9		0	1	0
		2011	10		0	1	0
		2011	11		0	1	0
		2011	12		0	1	0
		2012	1		0	1	0
		2012	2		0	1	0
		2012	3		0	1	0
		2012	4		0	1	0
		2012	5		0	1	0
		2012	6		0	1	0
		2012	7		0	1	0
		2012	8		0	1	0
		2012	9		0	1	0
		2012	10		0	1	0
		2012	11		0	1	0
		2012	12		0	1	0
		2013	1		0	1	0
		2013	2		0	1	0
		2013	3		0	1	0
		2013	4		0	1	0
		2013	5		0	1	0
		2013	6		0	1	0
		2013	7		0	1	0
		2013	8		0	1	0
		2013	9		0	1	0
		2013	10		0	1	0
		2013	11		0	1	0
		2013	12		0	1	0
		2014	1		0	1	0
		2014	2		0	1	0
		2014	3		0	1	0
		2014	4		0	1	0
		2014	5		0	1	0
		2014	6		0	1	0

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2014	7		0	1
		2014	8		0	1
		2014	9		0	1
		2014	10		0	1
		2014	11		0	1
		2014	12		0	1
		2015	1		0	1
		2015	2		0	1
		2015	3		0	1
		2015	4		0	1
		2015	5		0	1
		2015	6		0	1
		2015	7		0	1
		2015	8		0	1
		2015	9		0	1
		2015	10		0	1
		2015	11		0	1
		2015	12		0	1
		2016	1		0	1
		2016	2		0	1
		2016	3		0	1
		2016	4		0	1
		2016	5		0	1
		2016	6		0	1
		2016	7		0	1
		2016	8		0	1
		2016	9		0	1
		2016	10		0	1
		2016	11		0	1
		2016	12		0	1
		2017	1		0	1
		2017	2		0	1
		2017	3		0	1
		2017	4		0	1
		2017	5		0	1
		2017	6		0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2017	7		0	1	0
		2017	8		0	1	0
		2017	9		0	1	0
		2017	10		0	1	0
		2017	11		0	1	0
		2017	12		0	1	0
		2018	1		0	1	0
		2018	2		0	1	0
		2018	3		0	1	0
		2018	4		0	1	0
		2018	5		0	1	0
		2018	6		0	1	0
		2018	7		0	1	0
		2018	8		0	1	0
		2018	9		0	1	0
		2018	10		0	1	0
		2018	11		0	1	0
		2018	12		0	1	0
		2019	1		0	1	0
		2019	2		0	1	0
		2019	3		0	1	0
		2019	4		0	1	0
		2019	5		0	1	0
		2019	6		0	1	0
		2019	7		0	1	0
		2019	8		0	1	0
		2019	9		0	1	0
		2019	10		0	1	0
		2019	11		0	1	0
		2019	12		0	1	0
		2020	1		0	1	0
		2020	2		0	1	0
		2020	3		0	1	0
		2020	4		0	1	0
		2020	5		0	1	0
		2020	6		0	1	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2020	7		0	1	0
		2020	8		0	1	0
		2020	9		0	1	0
		2020	10		0	1	0
		2020	11		0	1	0
		2020	12		0	1	0
		2021	1		0	1	0
		2021	2		0	1	0
		2021	3		0	1	0
		2021	4		0	1	0
		2021	5		0	1	0
		2021	6		0	1	0
		2021	7		0	1	0
		2021	8		0	1	0
		2021	9		0	1	0
		2021	10		0	1	0
		2021	11		0	1	0
		2021	12		0	1	0
		2022	1		0	1	0
		2022	2		0	1	0
		2022	3		0	1	0
		2022	4		0	1	0
		2022	5		0	1	0
		2022	6		0	1	0
		2022	7		0	1	0
		2022	8		0	1	0
		2022	9		0	1	0
		2022	10		0	1	0
		2022	11		0	1	0
		2022	12		0	1	0
		2023	1		0	1	0
		2023	2		0	1	0
		2023	3		0	1	0
		2023	4		0	1	0
		2023	5		0	1	0
		2023	6		0	1	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2023	7		0	1	0
		2023	8		0	1	0
		2023	9		0	1	0
		2023	10		0	1	0
		2023	11		0	1	0
		2023	12		0	1	0
		2024	1		0	1	0
		2024	2		0	1	0
		2024	3		0	1	0
		2024	4		0	1	0
		2024	5		0	1	0
		2024	6		0	1	0
		2024	7		0	1	0
		2024	8		0	1	0
		2024	9		0	1	0
		2024	10		0	1	0
		2024	11		0	1	0
		2024	12		0	1	0
		1995	12		0	1	0
		1996	1		0	1	0
		1997	7		0	1	0
		1998	2		0	1	0
		1998	3		0	1	0
		1999	1		0	1	0
		1999	2		0	1	0
		1999	3		0	1	0
		1999	4		0	1	0
		1999	5		0	1	0
		1999	6		0	1	0
		1999	7		0	1	0
		1999	8		0	1	0
		1999	9		0	1	0
		1999	10		0	1	0
		1999	11		0	1	0

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		1999	12		0	1
		2000	1		0	1
		2000	2		0	1
		2000	3		0	1
		2000	4		0	1
		2000	5		0	1
		2000	6		0	1
		2000	7		0	1
		2000	8		0	1
		2000	9		0	1
		2000	10		0	1
		2000	11		0	1
		2000	12		0	1
		2001	1		0	1
		2001	2		0	1
		2001	3		0	1
		2001	4		0	1
		2001	5		0	1
		2001	6		0	1
		2001	7		0	1
		2001	8		0	1
		2001	9		0	1
		2001	10		0	1
		2001	11		0	1
		2001	12		0	1
		2002	1		0	1
		2002	2		0	1
		2002	3		0	1
		2002	4		0	1
		2002	5		0	1
		2002	6		0	1
		2002	7		0	1
		2002	8		0	1
		2002	9		0	1
		2002	10		0	1
		2002	11		0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2002	12		0	1	0
		2003	1		0	1	0
		2003	2		0	1	0
		2003	3		0	1	0
		2003	4		0	1	0
		2003	5		0	1	0
		2003	6		0	1	0
		2003	7		0	1	0
		2003	8		0	1	0
		2003	9		0	1	0
		2003	10		0	1	0
		2003	11		0	1	0
		2003	12		0	1	0
		2004	1		0	-1	0
		2004	2		0	1	0
		2004	3		0	1	0
		2004	4		0	1	0
		2004	5		0	1	0
		2004	6		0	1	0
		2004	7		0	1	0
		2004	8		0	1	0
		2004	9		0	1	0
		2004	10		0	1	0
		2004	11		0	1	0
		2004	12		0	1	0
		2005	1		0	1	0
		2005	2		0	1	0
		2005	3		0	1	0
		2005	4		0	1	0
		2005	5		-1	1	0
		2005	6		0	1	0
		2005	7		0	1	0
		2005	8		0	1	0
		2005	9		0	1	0
		2005	10		0	1	0
		2005	11		0	1	0

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2005	12		0	1
		2006	1		0	1
		2006	2		0	1
		2006	3		0	1
		2006	4		0	1
		2006	5		0	1
		2006	6		0	1
		2006	7		0	1
		2006	8		0	1
		2006	9		0	1
		2006	10		0	1
		2006	11		0	1
		2006	12		0	1
		2007	1		0	1
		2007	2		0	1
		2007	3		0	1
		2007	4		0	1
		2007	5		0	1
		2007	6		0	1
		2007	7		0	1
		2007	8		0	1
		2007	9		0	1
		2007	10		0	1
		2007	11		0	1
		2007	12		0	1
		2008	1		0	1
		2008	2		0	1
		2008	3		0	1
		2008	4		0	1
		2008	5		0	1
		2008	6		0	1
		2008	7		0	1
		2008	8		0	1
		2008	9		0	1
		2008	10		0	1
		2008	11		0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2008	12		0	1	0
		2009	1		0	1	0
		2009	2		0	1	0
		2009	3		0	1	0
		2009	4		0	1	0
		2009	5		0	1	0
		2009	6		0	1	0
		2009	7		0	1	1
		2009	8		0	1	0
		2009	9		0	1	0
		2009	10		0	1	0
		2009	11		0	1	0
		2009	12		0	1	0
		2010	1		0	1	0
		2010	2		0	1	0
		2010	3		0	1	0
		2010	4		0	1	0
		2010	5		0	1	0
		2010	6		0	1	0
		2010	7		0	1	0
		2010	8		0	1	0
		2010	9		0	1	0
		2010	10		0	1	0
		2010	11		0	1	0
		2010	12		0	1	0
		2011	1		0	1	0
		2011	2		0	1	0
		2011	3		0	1	0
		2011	4		0	1	0
		2011	5		0	1	0
		2011	6		0	1	0
		2011	7		0	1	0
		2011	8		0	1	0
		2011	9		0	1	0
		2011	10		0	1	0
		2011	11		0	1	0

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2011	12		0	1
		2012	1		0	1
		2012	2		0	1
		2012	3		0	1
		2012	4		0	1
		2012	5		0	1
		2012	6		0	1
		2012	7		0	1
		2012	8		0	1
		2012	8		0	1
		2012	9		0	1
		2012	9		0	1
		2012	10		0	1
		2012	10		0	1
		2012	11		0	1
		2012	11		0	1
		2012	12		0	1
		2012	12		0	1
		2013	1		0	1
		2013	2		0	1
		2013	3		0	1
		2013	4		0	1
		2013	5		0	1
		2013	6		0	1
		2013	7		0	1
		2013	8		0	1
		2013	9		0	1
		2013	10		0	1
		2013	11		0	1
		2013	12		0	1
		2014	1		0	1
		2014	2		0	1
		2014	3		0	1
		2014	4		0	1
		2014	5		0	1
		2014	6		0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2014	7		0	1	0
		2014	8		0	1	0
		2014	9		0	1	0
		2014	10		0	1	0
		2014	11		0	1	0
		2014	12		0	1	0
		2015	1		0	1	0
		2015	2		0	1	0
		2015	3		0	1	0
		2015	4		0	1	0
		2015	5		0	1	0
		2015	6		0	1	0
		2015	7		0	1	0
		2015	8		0	1	0
		2015	9		0	1	0
		2015	10		0	1	0
		2015	11		0	1	0
		2015	12		0	1	0
		2016	1		0	1	0
		2016	2		0	1	0
		2016	3		0	1	0
		2016	4		0	1	0
		2016	5		0	1	0
		2016	6		0	1	0
		2016	7		0	1	0
		2016	8		0	1	0
		2016	9		0	1	0
		2016	10		0	1	0
		2016	11		0	1	0
		2016	12		0	1	0
		2017	1		0	1	0
		2017	2		0	1	0
		2017	3		0	1	0
		2017	4		0	1	0
		2017	5		0	1	0
		2017	6		0	1	0

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2017	7		0	1
		2017	8		0	1
		2017	9		0	1
		2017	10		0	1
		2017	11		0	1
		2017	12		0	1
		2018	1		0	1
		2018	2		0	1
		2018	3		0	1
		2018	4		0	1
		2018	5		0	1
		2018	6		0	1
		2018	7		0	1
		2018	8		0	1
		2018	9		0	1
		2018	10		0	1
		2018	11		0	1
		2018	12		0	1
		2019	1		0	1
		2019	2		0	1
		2019	3		0	1
		2019	4		0	1
		2019	5		0	1
		2019	6		0	1
		2019	7		0	1
		2019	8		0	1
		2019	9		0	1
		2019	10		0	1
		2019	11		0	1
		2019	12		0	1
		2020	1		0	1
		2020	2		0	1
		2020	3		0	1
		2020	4		0	1
		2020	5		0	1
		2020	6		0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2020	7		0	1	0
		2020	8		0	1	0
		2020	9		0	1	0
		2020	10		0	1	0
		2020	11		0	1	0
		2020	12		0	1	0
		2021	1		0	1	0
		2021	2		0	1	0
		2021	3		0	1	0
		2021	4		0	1	0
		2021	5		0	1	0
		2021	6		0	1	0
		2021	7		0	1	0
		2021	8		0	1	0
		2021	9		0	1	0
		2021	10		0	1	0
		2021	11		0	1	0
		2021	12		0	1	0
		2022	1		0	1	0
		2022	2		0	1	0
		2022	3		0	1	0
		2022	4		0	1	0
		2022	5		0	1	0
		2022	6		0	1	0
		2022	7		0	1	0
		2022	8		0	1	0
		2022	9		0	1	0
		2022	10		0	1	0
		2022	11		0	1	0
		2022	12		0	1	0
		2023	1		0	1	0
		2023	2		0	1	0
		2023	3		0	1	0
		2023	4		0	1	0
		2023	5		0	1	0
		2023	6		0	1	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2023	7		0	1	0
		2023	8		0	1	0
		2023	9		0	1	0
		2023	10		0	1	0
		2023	11		0	1	0
		2023	12		0	1	0
		2024	1		0	1	0
		2024	2		0	1	0
		2024	3		0	1	0
		2024	4		0	1	0
		2024	5		0	1	0
		2024	6		0	1	0
		2024	7		0	1	0
		2024	8		0	1	0
		2024	9		0	1	0
		2024	10		0	1	0
		2024	11		0	1	0
		2024	12		0	1	0
		1997	7		0	1	0
		1997	8		0	1	0
		1997	9		0	1	0
		1999	1		0	1	0
		1999	2		0	1	0
		1999	3		0	1	0
		1999	4		0	1	0
		1999	5		0	1	0
		1999	6		0	1	0
		1999	7		0	1	0
		1999	9		0	1	0
		1999	10		0	1	0
		1999	11		0	1	0
		1999	12		0	1	0
		2000	1		0	1	0
		2000	2		0	1	0
		2000	3		0	1	0

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2000	4		0	1
		2000	5		0	1
		2000	6		0	1
		2000	7		0	1
		2000	8		0	1
		2000	9		0	1
		2000	10		0	1
		2000	11		0	1
		2001	2		0	1
		2001	3		0	1
		2001	4		0	1
		2001	5		0	1
		2001	6		0	1
		2001	7		0	1
		2001	8		0	1
		2001	9		0	1
		2001	10		0	1
		2001	11		0	1
		2001	12		0	1
		2002	1		0	1
		2002	2		0	1
		2002	3		0	1
		2002	4		0	1
		2002	5		0	1
		2002	6		0	1
		2002	7		0	1
		2002	8		0	1
		2002	9		0	1
		2002	10		0	1
		2002	11		0	1
		2002	12		0	1
		2003	1		0	1
		2003	2		0	1
		2003	3		0	1
		2003	4		0	1
		2003	5		0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2003	6		0	1
		2003	7		0	1
		2003	8		0	1
		2003	9		0	1
		2003	10		0	1
		2003	11		0	1
		2003	12		0	1
		2004	1		0	-1
		2004	2		0	1
		2004	3		0	1
		2004	4		0	1
		2004	5		0	1
		2004	6		0	1
		2004	7		0	1
		2004	8		0	1
		2004	9		0	1
		2004	10		0	1
		2004	11		0	1
		2004	12		0	1
		2005	1		0	1
		2005	2		0	1
		2005	3		0	1
		2005	4		0	1
		2005	5		-1	1
		2005	6		0	1
		2005	7		0	1
		2005	8		0	1
		2005	9		0	1
		2005	10		0	1
		2005	11		0	1
		2005	12		0	1
		2006	1		0	1
		2006	2		0	1
		2006	3		0	1
		2006	4		0	1
		2006	5		0	1

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2006	6		0	1
		2006	7		0	1
		2006	8		0	1
		2006	9		0	1
		2006	10		0	1
		2006	11		0	1
		2006	12		0	1
		2007	1		0	1
		2007	2		0	1
		2007	3		0	1
		2007	4		0	1
		2007	5		0	1
		2007	6		0	1
		2007	7		0	1
		2007	8		0	1
		2007	9		0	1
		2007	10		0	1
		2007	11		0	1
		2007	12		0	1
		2008	1		0	1
		2008	2		0	1
		2008	3		0	1
		2008	4		0	1
		2008	5		0	1
		2008	6		0	1
		2008	7		0	1
		2008	8		0	1
		2008	9		0	1
		2008	10		0	1
		2008	11		0	1
		2008	12		0	1
		2009	1		0	1
		2009	2		0	1
		2009	3		0	1
		2009	4		0	1
		2009	5		0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2009	6		0	1	0
		2009	7		0	1	1
		2009	8		0	1	0
		2009	9		0	1	0
		2009	10		0	1	0
		2009	11		0	1	0
		2009	12		0	1	0
		2010	1		0	1	0
		2010	2		0	1	0
		2010	3		0	1	0
		2010	4		0	1	0
		2010	5		0	1	0
		2010	6		0	1	0
		2010	7		0	1	0
		2010	8		0	1	0
		2010	9		0	1	0
		2010	10		0	1	0
		2010	11		0	1	0
		2010	12		0	1	0
		2011	1		0	1	0
		2011	2		0	1	0
		2011	3		0	1	0
		2011	4		0	1	0
		2011	5		0	1	0
		2011	6		0	1	0
		2011	7		0	1	0
		2011	8		0	1	0
		2011	9		0	1	0
		2011	10		0	1	0
		2011	11		0	1	0
		2011	12		0	1	0
		2012	1		0	1	0
		2012	2		0	1	0
		2012	3		0	1	0
		2012	4		0	1	0
		2012	5		0	1	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2012	6		0	1	0
		2012	7		0	1	0
		2012	8		0	1	0
		2012	8		0	1	0
		2012	9		0	1	0
		2012	9		0	1	0
		2012	10		0	1	0
		2012	10		0	1	0
		2012	11		0	1	0
		2012	11		0	1	0
		2012	12		0	1	0
		2012	12		0	1	0
		2013	1		0	1	0
		2013	2		0	1	0
		2013	3		0	1	0
		2013	4		0	1	0
		2013	5		0	1	0
		2013	6		0	1	0
		2013	7		0	1	0
		2013	8		0	1	0
		2013	9		0	1	0
		2013	10		0	1	0
		2013	11		0	1	0
		2013	12		0	1	0
		2014	1		0	1	0
		2014	2		0	1	0
		2014	3		0	1	0
		2014	4		0	1	0
		2014	5		0	1	0
		2014	6		0	1	0
		2014	7		0	1	0
		2014	8		0	1	0
		2014	9		0	1	0
		2014	10		0	1	0
		2014	11		0	1	0
		2014	12		0	1	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2015	1	1	0	1
		2015	2	2	0	1
		2015	3	3	0	1
		2015	4	4	0	1
		2015	5	5	0	1
		2015	6	6	0	1
		2015	7	7	0	1
		2015	8	8	0	1
		2015	9	9	0	1
		2015	10	10	0	1
		2015	11	11	0	1
		2015	12	12	0	1
		2016	1	1	0	1
		2016	2	2	0	1
		2016	3	3	0	1
		2016	4	4	0	1
		2016	5	5	0	1
		2016	6	6	0	1
		2016	7	7	0	1
		2016	8	8	0	1
		2016	9	9	0	1
		2016	10	10	0	1
		2016	11	11	0	1
		2016	12	12	0	1
		2017	1	1	0	1
		2017	2	2	0	1
		2017	3	3	0	1
		2017	4	4	0	1
		2017	5	5	0	1
		2017	6	6	0	1
		2017	7	7	0	1
		2017	8	8	0	1
		2017	9	9	0	1
		2017	10	10	0	1
		2017	11	11	0	1
		2017	12	12	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2018	1		0	1	0
		2018	2		0	1	0
		2018	3		0	1	0
		2018	4		0	1	0
		2018	5		0	1	0
		2018	6		0	1	0
		2018	7		0	1	0
		2018	8		0	1	0
		2018	9		0	1	0
		2018	10		0	1	0
		2018	11		0	1	0
		2018	12		0	1	0
		2019	1		0	1	0
		2019	2		0	1	0
		2019	3		0	1	0
		2019	4		0	1	0
		2019	5		0	1	0
		2019	6		0	1	0
		2019	7		0	1	0
		2019	8		0	1	0
		2019	9		0	1	0
		2019	10		0	1	0
		2019	11		0	1	0
		2019	12		0	1	0
		2020	1		0	1	0
		2020	2		0	1	0
		2020	3		0	1	0
		2020	4		0	1	0
		2020	5		0	1	0
		2020	6		0	1	0
		2020	7		0	1	0
		2020	8		0	1	0
		2020	9		0	1	0
		2020	10		0	1	0
		2020	11		0	1	0
		2020	12		0	1	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2021	1	1	0	1
		2021	2	2	0	1
		2021	3	3	0	1
		2021	4	4	0	1
		2021	5	5	0	1
		2021	6	6	0	1
		2021	7	7	0	1
		2021	8	8	0	1
		2021	9	9	0	1
		2021	10	10	0	1
		2021	11	11	0	1
		2021	12	12	0	1
		2022	1	1	0	1
		2022	2	2	0	1
		2022	3	3	0	1
		2022	4	4	0	1
		2022	5	5	0	1
		2022	6	6	0	1
		2022	7	7	0	1
		2022	8	8	0	1
		2022	9	9	0	1
		2022	10	10	0	1
		2022	11	11	0	1
		2022	12	12	0	1
		2023	1	1	0	1
		2023	2	2	0	1
		2023	3	3	0	1
		2023	4	4	0	1
		2023	5	5	0	1
		2023	6	6	0	1
		2023	7	7	0	1
		2023	8	8	0	1
		2023	9	9	0	1
		2023	10	10	0	1
		2023	11	11	0	1
		2023	12	12	0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2024	1		0	1
		2024	2		0	1
		2024	3		0	1
		2024	4		0	1
		2024	5		0	1
		2024	6		0	1
		2024	7		0	1
		2024	8		0	1
		2024	9		0	1
		2024	10		0	1
		2024	11		0	1
		2024	12		0	1
		1999	1		0	1
		1999	2		0	1
		1999	3		0	1
		1999	4		0	1
		1999	5		0	1
		1999	6		0	1
		1999	7		0	1
		1999	8		0	1
		1999	9		0	1
		1999	10		0	1
		1999	11		0	1
		1999	12		0	1
		2000	1		0	1
		2000	2		0	1
		2000	3		0	1
		2000	4		0	1
		2000	5		0	1
		2000	6		0	1
		2000	7		0	1
		2000	8		0	1
		2000	9		0	1
		2000	10		0	1
		2000	11		0	1

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2000	12		0	1
		2001	1		0	1
		2001	2		0	1
		2001	3		0	1
		2001	4		0	1
		2001	5		0	1
		2001	6		0	1
		2001	7		0	1
		2001	8		0	1
		2001	9		0	1
		2001	10		0	1
		2001	11		0	1
		2001	12		0	1
		2002	1		0	1
		2002	2		0	1
		2002	3		0	1
		2002	4		0	1
		2002	5		0	1
		2002	6		0	1
		2002	7		0	1
		2002	8		0	1
		2002	9		0	1
		2002	10		0	1
		2002	11		0	1
		2002	12		0	1
		2003	1		0	1
		2003	2		0	1
		2003	3		0	1
		2003	4		0	1
		2003	5		0	1
		2003	6		0	1
		2003	7		0	1
		2003	8		0	1
		2003	9		0	1
		2003	10		0	1
		2003	11		0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2003	12		0	1	0
		2004	1		0	-1	0
		2004	2		0	1	0
		2004	3		0	1	0
		2004	4		0	1	0
		2004	5		0	1	0
		2004	6		0	1	0
		2004	7		0	1	0
		2004	8		0	1	0
		2004	9		0	1	0
		2004	10		0	1	0
		2004	11		0	1	0
		2004	12		0	1	0
		2005	1		0	1	0
		2005	2		0	1	0
		2005	3		0	1	0
		2005	4		0	1	0
		2005	5		-1	1	0
		2005	6		0	1	0
		2005	7		0	1	0
		2005	8		0	1	0
		2005	9		0	1	0
		2005	10		0	1	0
		2005	11		0	1	0
		2005	12		0	1	0
		2006	1		0	1	0
		2006	2		0	1	0
		2006	3		0	1	0
		2006	4		0	1	0
		2006	5		0	1	0
		2006	6		0	1	0
		2006	7		0	1	0
		2006	8		0	1	0
		2006	9		0	1	0
		2006	10		0	1	0
		2006	11		0	1	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2006	12		0	1	0
		2007	1		0	1	0
		2007	2		0	1	0
		2007	3		0	1	0
		2007	4		0	1	0
		2007	5		0	1	0
		2007	6		0	1	0
		2007	7		0	1	0
		2007	8		0	1	0
		2007	9		0	1	0
		2007	10		0	1	0
		2007	11		0	1	0
		2007	12		0	1	0
		2008	1		0	1	0
		2008	2		0	1	0
		2008	3		0	1	0
		2008	4		0	1	0
		2008	5		0	1	0
		2008	6		0	1	0
		2008	7		0	1	0
		2008	8		0	1	0
		2008	9		0	1	0
		2008	10		0	1	0
		2008	11		0	1	0
		2008	12		0	1	0
		2009	1		0	1	0
		2009	2		0	1	0
		2009	3		0	1	0
		2009	4		0	1	0
		2009	5		0	1	0
		2009	6		0	1	0
		2009	7		0	1	0
		2009	8		0	1	0
		2009	9		0	1	0
		2009	10		0	1	0
		2009	11		0	1	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2009	12		0	1	0
		2010	1		0	1	0
		2010	2		0	1	0
		2010	3		0	1	0
		2010	4		0	1	0
		2010	5		0	1	0
		2010	6		0	1	0
		2010	7		0	1	0
		2010	8		0	1	0
		2010	9		0	1	0
		2010	10		0	1	0
		2010	11		0	1	0
		2010	12		0	1	0
		2011	1		0	1	0
		2011	2		0	1	0
		2011	3		0	1	0
		2011	4		0	1	0
		2011	5		0	1	0
		2011	6		0	1	0
		2011	7		0	1	0
		2011	8		0	1	0
		2011	9		0	1	0
		2011	10		0	1	0
		2011	11		0	1	0
		2011	12		0	1	0
		2012	1		0	1	0
		2012	2		0	1	0
		2012	3		0	1	0
		2012	4		0	1	0
		2012	5		0	1	0
		2012	6		0	1	0
		2012	7		0	1	0
		2012	8		0	1	0
		2012	8		0	1	0
		2012	9		0	1	0
		2012	9		0	1	0

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2012	10		0	1
		2012	10		0	1
		2012	11		0	1
		2012	11		0	1
		2012	12		0	1
		2012	12		0	1
		2013	1		0	1
		2013	2		0	1
		2013	3		0	1
		2013	4		0	1
		2013	5		0	1
		2013	6		0	1
		2013	7		0	1
		2013	8		0	1
		2013	9		0	1
		2013	10		0	1
		2013	11		0	1
		2013	12		0	1
		2014	1		0	1
		2014	2		0	1
		2014	3		0	1
		2014	4		0	1
		2014	5		0	1
		2014	6		0	1
		2014	7		0	1
		2014	8		0	1
		2014	9		0	1
		2014	10		0	1
		2014	11		0	1
		2014	12		0	1
		2015	1		0	1
		2015	2		0	1
		2015	3		0	1
		2015	4		0	1
		2015	5		0	1
		2015	6		0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2015	7		0	1	0
		2015	8		0	1	0
		2015	9		0	1	0
		2015	10		0	1	0
		2015	11		0	1	0
		2015	12		0	1	0
		2016	1		0	1	0
		2016	2		0	1	0
		2016	3		0	1	0
		2016	4		0	1	0
		2016	5		0	1	0
		2016	6		0	1	0
		2016	7		0	1	0
		2016	8		0	1	0
		2016	9		0	1	0
		2016	10		0	1	0
		2016	11		0	1	0
		2016	12		0	1	0
		2017	1		0	1	0
		2017	2		0	1	0
		2017	3		0	1	0
		2017	4		0	1	0
		2017	5		0	1	0
		2017	6		0	1	0
		2017	7		0	1	0
		2017	8		0	1	0
		2017	9		0	1	0
		2017	10		0	1	0
		2017	11		0	1	0
		2017	12		0	1	0
		2018	1		0	1	0
		2018	2		0	1	0
		2018	3		0	1	0
		2018	4		0	1	0
		2018	5		0	1	0
		2018	6		0	1	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2018	7		0	1	0
		2018	8		0	1	0
		2018	9		0	1	0
		2018	10		0	1	0
		2018	11		0	1	0
		2018	12		0	1	0
		2019	1		0	1	0
		2019	2		0	1	0
		2019	3		0	1	0
		2019	4		0	1	0
		2019	5		0	1	0
		2019	6		0	1	0
		2019	7		0	1	0
		2019	8		0	1	0
		2019	9		0	1	0
		2019	10		0	1	0
		2019	11		0	1	0
		2019	12		0	1	0
		2020	1		0	1	0
		2020	2		0	1	0
		2020	3		0	1	0
		2020	4		0	1	0
		2020	5		0	1	0
		2020	6		0	1	0
		2020	7		0	1	0
		2020	8		0	1	0
		2020	9		0	1	0
		2020	10		0	1	0
		2020	11		0	1	0
		2020	12		0	1	0
		2021	1		0	1	0
		2021	2		0	1	0
		2021	3		0	1	0
		2021	4		0	1	0
		2021	5		0	1	0
		2021	6		0	1	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2021	7		0	1	0
		2021	8		0	1	0
		2021	9		0	1	0
		2021	10		0	1	0
		2021	11		0	1	0
		2021	12		0	1	0
		2022	1		0	1	0
		2022	2		0	1	0
		2022	3		0	1	0
		2022	4		0	1	0
		2022	5		0	1	0
		2022	6		0	1	0
		2022	7		0	1	0
		2022	8		0	1	0
		2022	9		0	1	0
		2022	10		0	1	0
		2022	11		0	1	0
		2022	12		0	1	0
		2023	1		0	1	0
		2023	2		0	1	0
		2023	3		0	1	0
		2023	4		0	1	0
		2023	5		0	1	0
		2023	6		0	1	0
		2023	7		0	1	0
		2023	8		0	1	0
		2023	9		0	1	0
		2023	10		0	1	0
		2023	11		0	1	0
		2023	12		0	1	0
		2024	1		0	1	0
		2024	2		0	1	0
		2024	3		0	1	0
		2024	4		0	1	0
		2024	5		0	1	0
		2024	6		0	1	0

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2024	7		0	1
		2024	8		0	1
		2024	9		0	1
		2024	10		0	1
		2024	11		0	1
		2024	12		0	1
		2007	1		0	1
		2007	2		0	1
		2007	3		0	1
		2007	4		0	1
		2007	5		0	1
		2007	6		0	1
		2007	7		0	1
		2007	8		0	1
		2007	9		0	1
		2007	10		0	1
		2007	11		0	1
		2007	12		0	1
		2008	1		0	1
		2008	2		0	1
		2008	3		0	1
		2008	4		0	1
		2008	5		0	1
		2008	6		0	1
		2008	7		0	1
		2008	8		0	1
		2008	9		0	1
		2008	10		0	1
		2008	11		0	1
		2008	12		0	1
		2009	1		0	1
		2009	2		0	1
		2009	3		0	1
		2009	4		0	1
		2009	5		0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2009	6		0	1	0
		2009	7		0	1	1
		2009	8		0	1	0
		2009	9		0	1	0
		2009	10		0	1	0
		2009	11		0	1	0
		2009	12		0	1	0
		2010	1		0	1	0
		2010	2		0	1	0
		2010	3		0	1	0
		2010	4		0	1	0
		2010	5		0	1	0
		2010	6		0	1	0
		2010	7		0	1	0
		2010	8		0	1	0
		2010	9		0	1	0
		2010	10		0	1	0
		2010	11		0	1	0
		2010	12		0	1	0
		2011	1		0	1	0
		2011	2		0	1	0
		2011	3		0	1	0
		2011	4		0	1	0
		2011	5		0	1	0
		2011	6		0	1	0
		2011	7		0	1	0
		2011	8		0	1	0
		2011	9		0	1	0
		2011	10		0	1	0
		2011	11		0	1	0
		2011	12		0	1	0
		2012	1		0	1	0
		2012	2		0	1	0
		2012	3		0	1	0
		2012	4		0	1	0
		2012	5		0	1	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2012	6		0	1	0
		2012	7		0	1	0
		2012	8		0	1	0
		2012	9		0	1	0
		2012	10		0	1	0
		2012	11		0	1	0
		2012	12		0	1	0
		2013	1		0	1	0
		2013	1		0	1	0
		2013	2		0	1	0
		2013	3		0	1	0
		2013	4		0	1	0
		2013	5		0	1	0
		2013	6		0	1	0
		2013	7		0	1	0
		2013	8		0	1	0
		2013	9		0	1	0
		2013	10		0	1	0
		2013	11		0	1	0
		2013	12		0	1	0
		2014	1		0	1	0
		2014	2		0	1	0
		2014	3		0	1	0
		2014	4		0	1	0
		2014	5		0	1	0
		2014	6		0	1	0
		2014	7		0	1	0
		2014	8		0	1	0
		2014	9		0	1	0
		2014	10		0	1	0
		2014	11		0	1	0
		2014	12		0	1	0
		2015	1		0	1	0
		2015	2		0	1	0
		2015	3		0	1	0
		2015	4		0	1	0

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2015	5		0	1
		2015	6		0	1
		2015	7		0	1
		2015	8		0	1
		2015	9		0	1
		2015	10		0	1
		2015	11		0	1
		2015	12		0	1
		2016	1		0	1
		2016	2		0	1
		2016	3		0	1
		2016	4		0	1
		2016	5		0	1
		2016	6		0	1
		2016	7		0	1
		2016	8		0	1
		2016	9		0	1
		2016	10		0	1
		2016	11		0	1
		2016	12		0	1
		2017	1		0	1
		2017	2		0	1
		2017	3		0	1
		2017	4		0	1
		2017	5		0	1
		2017	6		0	1
		2017	7		0	1
		2017	8		0	1
		2017	9		0	1
		2017	10		0	1
		2017	11		0	1
		2017	12		0	1
		2018	1		0	1
		2018	2		0	1
		2018	3		0	1
		2018	4		0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2018	5		0	1
		2018	6		0	1
		2018	7		0	1
		2018	8		0	1
		2018	9		0	1
		2018	10		0	1
		2018	11		0	1
		2018	12		0	1
		2019	1		0	1
		2019	2		0	1
		2019	3		0	1
		2019	4		0	1
		2019	5		0	1
		2019	6		0	1
		2019	7		0	1
		2019	8		0	1
		2019	9		0	1
		2019	10		0	1
		2019	11		0	1
		2019	12		0	1
		2020	1		0	1
		2020	2		0	1
		2020	3		0	1
		2020	4		0	1
		2020	5		0	1
		2020	6		0	1
		2020	7		0	1
		2020	8		0	1
		2020	9		0	1
		2020	10		0	1
		2020	11		0	1
		2020	12		0	1
		2021	1		0	1
		2021	2		0	1
		2021	3		0	1
		2021	4		0	1

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2021	5		0	1
		2021	6		0	1
		2021	7		0	1
		2021	8		0	1
		2021	9		0	1
		2021	10		0	1
		2021	11		0	1
		2021	12		0	1
		2022	1		0	1
		2022	2		0	1
		2022	3		0	1
		2022	4		0	1
		2022	5		0	1
		2022	6		0	1
		2022	7		0	1
		2022	8		0	1
		2022	9		0	1
		2022	10		0	1
		2022	11		0	1
		2022	12		0	1
		2023	1		0	1
		2023	2		0	1
		2023	3		0	1
		2023	4		0	1
		2023	5		0	1
		2023	6		0	1
		2023	7		0	1
		2023	8		0	1
		2023	9		0	1
		2023	10		0	1
		2023	11		0	1
		2023	12		0	1
		2024	1		0	1
		2024	2		0	1
		2024	3		0	1
		2024	4		0	1

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2024	5		0	1
		2024	6		0	1
		2024	7		0	1
		2024	8		0	1
		2024	9		0	1
		2024	10		0	1
		2024	11		0	1
		2024	12		0	1
		2006	2		0	1
		2006	3		0	1
		2006	4		0	1
		2006	5		0	1
		2006	6		0	1
		2006	7		0	1
		2006	8		0	1
		2006	9		0	1
		2006	10		0	1
		2006	11		0	1
		2006	12		0	1
		2007	1		0	1
		2007	2		0	1
		2007	3		0	1
		2007	4		0	1
		2007	5		0	1
		2007	6		0	1
		2007	7		0	1
		2007	8		0	1
		2007	9		0	1
		2007	10		0	1
		2007	11		0	1
		2007	12		0	1
		2008	1		0	1
		2008	2		0	1
		2008	3		0	1
		2008	4		0	1
		2008	5		0	1

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2011	6		0	1
		2011	7		0	1
		2011	8		0	1
		2011	9		0	1
		2011	10		0	1
		2011	11		0	1
		2011	12		0	1
		2012	1		0	1
		2012	2		0	1
		2012	3		0	1
		2012	4		0	1
		2012	5		0	1
		2012	6		0	1
		2012	7		0	1
		2012	8		0	1
		2012	9		0	1
		2012	10		0	1
		2012	11		0	1
		2012	12		0	1
		2013	1		0	1
		2013	2		0	1
		2013	3		0	1
		2013	4		0	1
		2013	5		0	1
		2013	6		0	1
		2013	7		0	1
		2013	8		0	1
		2013	9		0	1
		2013	10		0	1
		2013	11		0	1
		2013	12		0	1
		2014	1		0	1
		2014	2		0	1
		2014	3		0	1
		2014	4		0	1
		2014	5		0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2014	6		0	1	0
		2014	7		0	1	0
		2014	8		0	1	0
		2014	9		0	1	0
		2014	10		0	1	0
		2014	11		0	1	0
		2014	12		0	1	0
		2015	1		0	1	0
		2015	2		0	1	0
		2015	3		0	1	0
		2015	4		0	1	0
		2015	5		0	1	0
		2015	6		0	1	0
		2015	7		0	1	0
		2015	8		0	1	0
		2015	9		0	1	0
		2015	10		0	1	0
		2015	11		0	1	0
		2015	12		0	1	0
		2016	1		0	1	0
		2016	2		0	1	0
		2016	3		0	1	0
		2016	4		0	1	0
		2016	5		0	1	0
		2016	6		0	1	0
		2016	7		0	1	0
		2016	8		0	1	0
		2016	9		0	1	0
		2016	10		0	1	0
		2016	11		0	1	0
		2016	12		0	1	0
		2017	1		0	1	0
		2017	2		0	1	0
		2017	3		0	1	0
		2017	4		0	1	0
		2017	5		0	1	0

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2017	6		0	1
		2017	7		0	1
		2017	8		0	1
		2017	9		0	1
		2017	10		0	1
		2017	11		0	1
		2017	12		0	1
		2018	1		0	1
		2018	2		0	1
		2018	3		0	1
		2018	4		0	1
		2018	5		0	1
		2018	6		0	1
		2018	7		0	1
		2018	8		0	1
		2018	9		0	1
		2018	10		0	1
		2018	11		0	1
		2018	12		0	1
		2019	1		0	1
		2019	2		0	1
		2019	3		0	1
		2019	4		0	1
		2019	5		0	1
		2019	6		0	1
		2019	7		0	1
		2019	8		0	1
		2019	9		0	1
		2019	10		0	1
		2019	11		0	1
		2019	12		0	1
		2020	1		0	1
		2020	2		0	1
		2020	3		0	1
		2020	4		0	1
		2020	5		0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2020	6		0	1	0
		2020	7		0	1	0
		2020	8		0	1	0
		2020	9		0	1	0
		2020	10		0	1	0
		2020	11		0	1	0
		2020	12		0	1	0
		2021	1		0	1	0
		2021	2		0	1	0
		2021	3		0	1	0
		2021	4		0	1	0
		2021	5		0	1	0
		2021	6		0	1	0
		2021	7		0	1	0
		2021	8		0	1	0
		2021	9		0	1	0
		2021	10		0	1	0
		2021	11		0	1	0
		2021	12		0	1	0
		2022	1		0	1	0
		2022	2		0	1	0
		2022	3		0	1	0
		2022	4		0	1	0
		2022	5		0	1	0
		2022	6		0	1	0
		2022	7		0	1	0
		2022	8		0	1	0
		2022	9		0	1	0
		2022	10		0	1	0
		2022	11		0	1	0
		2022	12		0	1	0
		2023	1		0	1	0
		2023	2		0	1	0
		2023	3		0	1	0
		2023	4		0	1	0
		2023	5		0	1	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2023	6		0	1	0
		2023	7		0	1	0
		2023	8		0	1	0
		2023	9		0	1	0
		2023	10		0	1	0
		2023	11		0	1	0
		2023	12		0	1	0
		2024	1		0	1	0
		2024	2		0	1	0
		2024	3		0	1	0
		2024	4		0	1	0
		2024	5		0	1	0
		2024	6		0	1	0
		2024	7		0	1	0
		2024	8		0	1	0
		2024	9		0	1	0
		2024	10		0	1	0
		2024	11		0	1	0
		2024	12		0	1	0
		2006	2		0	1	0
		2006	3		0	1	0
		2006	4		0	1	0
		2006	5		0	1	0
		2006	6		0	1	0
		2006	7		0	1	0
		2006	8		0	1	0
		2006	9		0	1	0
		2006	10		0	1	0
		2006	11		0	1	0
		2006	12		0	1	0
		2007	1		0	1	0
		2007	2		0	1	0
		2007	3		0	1	0
		2007	4		0	1	0
		2007	5		0	1	0
		2007	6		0	1	0

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2007	7		0	1
		2007	8		0	1
		2007	9		0	1
		2007	10		0	1
		2007	11		0	1
		2007	12		0	1
		2008	1		0	1
		2008	2		0	1
		2008	3		0	1
		2008	4		0	1
		2008	5		0	1
		2008	6		0	1
		2008	7		0	1
		2008	8		0	1
		2008	9		0	1
		2008	10		0	1
		2008	11		0	1
		2008	12		0	1
		2009	1		0	1
		2009	2		0	1
		2009	3		0	1
		2009	4		0	1
		2009	5		0	1
		2009	6		0	1
		2009	7		0	1
		2009	8		0	1
		2009	9		0	1
		2009	10		0	1
		2009	11		0	1
		2009	12		0	1
		2010	1		0	1
		2010	2		0	1
		2010	3		0	1
		2010	4		0	1
		2010	5		0	1
		2010	6		0	1

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2010	7		0	1	0
		2010	8		0	1	0
		2010	9		0	1	0
		2010	10		0	1	0
		2010	11		0	1	0
		2010	12		0	1	0
		2011	1		0	1	0
		2011	2		0	1	0
		2011	3		0	1	0
		2011	4		0	1	0
		2011	5		0	1	0
		2011	6		0	1	0
		2011	7		0	1	0
		2011	8		0	1	0
		2011	9		0	1	0
		2011	10		0	1	0
		2011	11		0	1	0
		2011	12		0	1	0
		2012	1		0	1	0
		2012	2		0	1	0
		2012	3		0	1	0
		2012	4		0	1	0
		2012	5		0	1	0
		2012	6		0	1	0
		2012	7		0	1	0
		2012	8		0	1	0
		2012	9		0	1	0
		2012	10		0	1	0
		2012	11		0	1	0
		2012	12		0	1	0
		2013	1		0	1	0
		2013	2		0	1	0
		2013	3		0	1	0
		2013	4		0	1	0
		2013	5		0	1	0
		2013	6		0	1	0

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2013	7		0	1
		2013	8		0	1
		2013	9		0	1
		2013	10		0	1
		2013	11		0	1
		2013	12		0	1
		2014	1		0	1
		2014	2		0	1
		2014	3		0	1
		2014	4		0	1
		2014	5		0	1
		2014	6		0	1
		2014	7		0	1
		2014	8		0	1
		2014	9		0	1
		2014	10		0	1
		2014	11		0	1
		2014	12		0	1
		2015	1		0	1
		2015	2		0	1
		2015	3		0	1
		2015	4		0	1
		2015	5		0	1
		2015	6		0	1
		2015	7		0	1
		2015	8		0	1
		2015	9		0	1
		2015	10		0	1
		2015	11		0	1
		2015	12		0	1
		2016	1		0	1
		2016	2		0	1
		2016	3		0	1
		2016	4		0	1
		2016	5		0	1
		2016	6		0	1

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2016	7		0	1
		2016	8		0	1
		2016	9		0	1
		2016	10		0	1
		2016	11		0	1
		2016	12		0	1
		2017	1		0	1
		2017	2		0	1
		2017	3		0	1
		2017	4		0	1
		2017	5		0	1
		2017	6		0	1
		2017	7		0	1
		2017	8		0	1
		2017	9		0	1
		2017	10		0	1
		2017	11		0	1
		2017	12		0	1
		2018	1		0	1
		2018	2		0	1
		2018	3		0	1
		2018	4		0	1
		2018	5		0	1
		2018	6		0	1
		2018	7		0	1
		2018	8		0	1
		2018	9		0	1
		2018	10		0	1
		2018	11		0	1
		2018	12		0	1
		2019	1		0	1
		2019	2		0	1
		2019	3		0	1
		2019	4		0	1
		2019	5		0	1
		2019	6		0	1

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2019	7		0	1
		2019	8		0	1
		2019	9		0	1
		2019	10		0	1
		2019	11		0	1
		2019	12		0	1
		2020	1		0	1
		2020	2		0	1
		2020	3		0	1
		2020	4		0	1
		2020	5		0	1
		2020	6		0	1
		2020	7		0	1
		2020	8		0	1
		2020	9		0	1
		2020	10		0	1
		2020	11		0	1
		2020	12		0	1
		2021	1		0	1
		2021	2		0	1
		2021	3		0	1
		2021	4		0	1
		2021	5		0	1
		2021	6		0	1
		2021	7		0	1
		2021	8		0	1
		2021	9		0	1
		2021	10		0	1
		2021	11		0	1
		2021	12		0	1
		2022	1		0	1
		2022	2		0	1
		2022	3		0	1
		2022	4		0	1
		2022	5		0	1
		2022	6		0	1

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2022	7		0	1
		2022	8		0	1
		2022	9		0	1
		2022	10		0	1
		2022	11		0	1
		2022	12		0	1
		2023	1		0	1
		2023	2		0	1
		2023	3		0	1
		2023	4		0	1
		2023	5		0	1
		2023	6		0	1
		2023	7		0	1
		2023	8		0	1
		2023	9		0	1
		2023	10		0	1
		2023	11		0	1
		2023	12		0	1
		2024	1		0	1
		2024	2		0	1
		2024	3		0	1
		2024	4		0	1
		2024	5		0	1
		2024	6		0	1
		2024	7		0	1
		2024	8		0	1
		2024	9		0	1
		2024	10		0	1
		2024	11		0	1
		2024	12		0	1
		2000	1		0	1
		2000	2		0	1
		2000	3		0	1
		2000	4		0	1
		2000	5		0	1
		2000	6		0	1

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2000	7		0	1
		2000	8		0	1
		2000	9		0	1
		2000	10		0	1
		2000	11		0	1
		2000	12		0	1
		2001	1		0	1
		2001	2		0	1
		2001	3		0	1
		2001	4		0	1
		2001	5		0	1
		2001	6		0	1
		2001	7		0	1
		2001	8		0	1
		2001	9		0	1
		2001	10		0	1
		2001	11		0	1
		2001	12		0	1
		2002	1		0	1
		2002	2		0	1
		2002	3		0	1
		2002	4		0	1
		2002	5		0	1
		2002	6		0	1
		2002	7		0	1
		2002	8		0	1
		2002	9		0	1
		2002	10		0	1
		2002	11		0	1
		2002	12		0	1
		2003	1		0	1
		2003	2		0	1
		2003	3		0	1
		2003	4		0	1
		2003	5		0	1
		2003	6		0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2003	7		0	1	0
		2003	8		0	1	0
		2003	9		0	1	0
		2003	10		0	1	0
		2003	11		0	1	0
		2003	12		0	1	0
		2004	1		0	-1	0
		2004	2		0	1	0
		2004	3		0	1	0
		2004	4		0	1	0
		2004	5		0	1	0
		2004	6		0	1	0
		2004	7		0	1	0
		2004	8		0	1	0
		2004	9		0	1	0
		2004	10		0	1	0
		2004	11		0	1	0
		2004	12		0	1	0
		2005	1		0	1	0
		2005	2		0	1	0
		2005	3		0	1	0
		2005	4		0	1	0
		2005	5		-1	1	0
		2005	6		0	1	0
		2005	7		0	1	0
		2005	8		0	1	0
		2005	9		0	1	0
		2005	10		0	1	0
		2005	11		0	1	0
		2005	12		0	1	0
		2006	1		0	1	0
		2006	2		0	1	0
		2006	3		0	1	0
		2006	4		0	1	0
		2006	5		0	1	0
		2006	6		0	1	0

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2006	7		0	1
		2006	8		0	1
		2006	9		0	1
		2006	10		0	1
		2006	11		0	1
		2006	12		0	1
		2007	1		0	1
		2007	2		0	1
		2007	3		0	1
		2007	4		0	1
		2007	5		0	1
		2007	6		0	1
		2007	7		0	1
		2007	8		0	1
		2007	9		0	1
		2007	10		0	1
		2007	11		0	1
		2007	12		0	1
		2008	1		0	1
		2008	2		0	1
		2008	3		0	1
		2008	4		0	1
		2008	5		0	1
		2008	6		0	1
		2008	7		0	1
		2008	8		0	1
		2008	9		0	1
		2008	10		0	1
		2008	11		0	1
		2008	12		0	1
		2009	1		0	1
		2009	2		0	1
		2009	3		0	1
		2009	4		0	1
		2009	5		0	1
		2009	6		0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2009	7		0	1
		2009	8		0	0
		2009	9		0	0
		2009	10		0	0
		2009	11		0	0
		2009	12		0	0
		2010	1		0	0
		2010	2		0	0
		2010	3		0	0
		2010	4		0	0
		2010	5		0	0
		2010	6		0	0
		2010	7		0	0
		2010	8		0	0
		2010	9		0	0
		2010	10		0	0
		2010	11		0	0
		2010	12		0	0
		2011	1		0	0
		2011	2		0	0
		2011	3		0	0
		2011	4		0	0
		2011	5		0	0
		2011	6		0	0
		2011	7		0	0
		2011	8		0	0
		2011	9		0	0
		2011	10		0	0
		2011	11		0	0
		2011	12		0	0
		2012	1		0	0
		2012	2		0	0
		2012	3		0	0
		2012	4		0	0
		2012	5		0	0
		2012	6		0	0

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2012	7		0	1
		2012	8		0	1
		2012	9		0	1
		2012	10		0	1
		2012	11		0	1
		2012	12		0	1
		2013	1		0	1
		2013	2		0	1
		2013	3		0	1
		2013	4		0	1
		2013	5		0	1
		2013	6		0	1
		2013	7		0	1
		2013	8		0	1
		2013	9		0	1
		2013	10		0	1
		2013	11		0	1
		2013	12		0	1
		2014	1		0	1
		2014	2		0	1
		2014	3		0	1
		2014	4		0	1
		2014	5		0	1
		2014	6		0	1
		2014	7		0	1
		2014	8		0	1
		2014	9		0	1
		2014	10		0	1
		2014	11		0	1
		2014	12		0	1
		2015	1		0	1
		2015	2		0	1
		2015	3		0	1
		2015	4		0	1
		2015	5		0	1
		2015	6		0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2015	7		0	1	0
		2015	8		0	1	0
		2015	9		0	1	0
		2015	10		0	1	0
		2015	11		0	1	0
		2015	12		0	1	0
		2016	1		0	1	0
		2016	2		0	1	0
		2016	3		0	1	0
		2016	4		0	1	0
		2016	5		0	1	0
		2016	6		0	1	0
		2016	7		0	1	0
		2016	8		0	1	0
		2016	9		0	1	0
		2016	10		0	1	0
		2016	11		0	1	0
		2016	12		0	1	0
		2017	1		0	1	0
		2017	2		0	1	0
		2017	3		0	1	0
		2017	4		0	1	0
		2017	5		0	1	0
		2017	6		0	1	0
		2017	7		0	1	0
		2017	8		0	1	0
		2017	9		0	1	0
		2017	10		0	1	0
		2017	11		0	1	0
		2017	12		0	1	0
		2018	1		0	1	0
		2018	2		0	1	0
		2018	3		0	1	0
		2018	4		0	1	0
		2018	5		0	1	0
		2018	6		0	1	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2018	7		0	1	0
		2018	8		0	1	0
		2018	9		0	1	0
		2018	10		0	1	0
		2018	11		0	1	0
		2018	12		0	1	0
		2019	1		0	1	0
		2019	2		0	1	0
		2019	3		0	1	0
		2019	4		0	1	0
		2019	5		0	1	0
		2019	6		0	1	0
		2019	7		0	1	0
		2019	8		0	1	0
		2019	9		0	1	0
		2019	10		0	1	0
		2019	11		0	1	0
		2019	12		0	1	0
		2020	1		0	1	0
		2020	2		0	1	0
		2020	3		0	1	0
		2020	4		0	1	0
		2020	5		0	1	0
		2020	6		0	1	0
		2020	7		0	1	0
		2020	8		0	1	0
		2020	9		0	1	0
		2020	10		0	1	0
		2020	11		0	1	0
		2020	12		0	1	0
		2021	1		0	1	0
		2021	2		0	1	0
		2021	3		0	1	0
		2021	4		0	1	0
		2021	5		0	1	0
		2021	6		0	1	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2021	7		0	1	0
		2021	8		0	1	0
		2021	9		0	1	0
		2021	10		0	1	0
		2021	11		0	1	0
		2021	12		0	1	0
		2022	1		0	1	0
		2022	2		0	1	0
		2022	3		0	1	0
		2022	4		0	1	0
		2022	5		0	1	0
		2022	6		0	1	0
		2022	7		0	1	0
		2022	8		0	1	0
		2022	9		0	1	0
		2022	10		0	1	0
		2022	11		0	1	0
		2022	12		0	1	0
		2023	1		0	1	0
		2023	2		0	1	0
		2023	3		0	1	0
		2023	4		0	1	0
		2023	5		0	1	0
		2023	6		0	1	0
		2023	7		0	1	0
		2023	8		0	1	0
		2023	9		0	1	0
		2023	10		0	1	0
		2023	11		0	1	0
		2023	12		0	1	0
		2024	1		0	1	0
		2024	2		0	1	0
		2024	3		0	1	0
		2024	4		0	1	0
		2024	5		0	1	0
		2024	6		0	1	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2024	7		0	1	0
		2024	8		0	1	0
		2024	9		0	1	0
		2024	10		0	1	0
		2024	11		0	1	0
		2024	12		0	1	0
		2004	1		0	-1	0
		2004	2		0	1	0
		2004	3		0	1	0
		2004	4		0	1	0
		2004	5		0	1	0
		2004	6		0	1	0
		2004	7		0	1	0
		2004	8		0	1	0
		2004	9		0	1	0
		2004	10		0	1	0
		2004	11		0	1	0
		2004	12		0	1	0
		2005	1		0	1	0
		2005	2		0	1	0
		2005	3		0	1	0
		2005	4		0	1	0
		2005	5		-1	1	0
		2005	6		0	1	0
		2005	7		0	1	0
		2005	8		0	1	0
		2005	9		0	1	0
		2005	10		0	1	0
		2005	11		0	1	0
		2005	12		0	1	0
		2006	1		0	1	0
		2006	2		0	1	0
		2006	3		0	1	0
		2006	4		0	1	0
		2006	5		0	1	0
		2006	6		0	1	0

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2006	7		0	1
		2006	8		0	1
		2006	9		0	1
		2006	10		0	1
		2006	11		0	1
		2006	12		0	1
		2007	1		0	1
		2007	2		0	1
		2007	3		0	1
		2007	4		0	1
		2007	5		0	1
		2007	6		0	1
		2007	7		0	1
		2007	8		0	1
		2007	9		0	1
		2007	10		0	1
		2007	11		0	1
		2007	12		0	1
		2008	1		0	1
		2008	2		0	1
		2008	3		0	1
		2008	4		0	1
		2008	5		0	1
		2008	6		0	1
		2008	7		0	1
		2008	8		0	1
		2008	9		0	1
		2008	10		0	1
		2008	11		0	1
		2008	12		0	1
		2009	1		0	1
		2009	2		0	1
		2009	3		0	1
		2009	4		0	1
		2009	5		0	1
		2009	6		0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2009	7		0	1
		2009	8		0	0
		2009	9		0	0
		2009	10		0	0
		2009	11		0	0
		2009	12		0	0
		2010	1		0	0
		2010	2		0	0
		2010	3		0	0
		2010	4		0	0
		2010	5		0	0
		2010	6		0	0
		2010	7		0	0
		2010	8		0	0
		2010	9		0	0
		2010	10		0	0
		2010	11		0	0
		2010	12		0	0
		2011	1		0	0
		2011	2		0	0
		2011	3		0	0
		2011	4		0	0
		2011	5		0	0
		2011	6		0	0
		2011	7		0	0
		2011	8		0	0
		2011	9		0	0
		2011	10		0	0
		2011	11		0	0
		2011	12		0	0
		2012	1		0	0
		2012	2		0	0
		2012	3		0	0
		2012	4		0	0
		2012	5		0	0
		2012	6		0	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2012	7		0	1	0
		2012	8		0	1	0
		2012	9		0	1	0
		2012	10		0	1	0
		2012	11		0	1	0
		2012	12		0	1	0
		2013	1		0	1	0
		2013	2		0	1	0
		2013	3		0	1	0
		2013	4		0	1	0
		2013	5		0	1	0
		2013	6		0	1	0
		2013	7		0	1	0
		2013	8		0	1	0
		2013	9		0	1	0
		2013	10		0	1	0
		2013	11		0	1	0
		2013	12		0	1	0
		2014	1		0	1	0
		2014	2		0	1	0
		2014	3		0	1	0
		2014	4		0	1	0
		2014	5		0	1	0
		2014	6		0	1	0
		2014	7		0	1	0
		2014	8		0	1	0
		2014	9		0	1	0
		2014	10		0	1	0
		2014	11		0	1	0
		2014	12		0	1	0
		2015	1		0	1	0
		2015	2		0	1	0
		2015	3		0	1	0
		2015	4		0	1	0
		2015	5		0	1	0
		2015	6		0	1	0

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2015	7		0	1
		2015	8		0	1
		2015	9		0	1
		2015	10		0	1
		2015	11		0	1
		2015	12		0	1
		2016	1		0	1
		2016	2		0	1
		2016	3		0	1
		2016	4		0	1
		2016	5		0	1
		2016	6		0	1
		2016	7		0	1
		2016	8		0	1
		2016	9		0	1
		2016	10		0	1
		2016	11		0	1
		2016	12		0	1
		2017	1		0	1
		2017	2		0	1
		2017	3		0	1
		2017	4		0	1
		2017	5		0	1
		2017	6		0	1
		2017	7		0	1
		2017	8		0	1
		2017	9		0	1
		2017	10		0	1
		2017	11		0	1
		2017	12		0	1
		2018	1		0	1
		2018	2		0	1
		2018	3		0	1
		2018	4		0	1
		2018	5		0	1
		2018	6		0	1

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2018	7		0	1
		2018	8		0	1
		2018	9		0	1
		2018	10		0	1
		2018	11		0	1
		2018	12		0	1
		2019	1		0	1
		2019	2		0	1
		2019	3		0	1
		2019	4		0	1
		2019	5		0	1
		2019	6		0	1
		2019	7		0	1
		2019	8		0	1
		2019	9		0	1
		2019	10		0	1
		2019	11		0	1
		2019	12		0	1
		2020	1		0	1
		2020	2		0	1
		2020	3		0	1
		2020	4		0	1
		2020	5		0	1
		2020	6		0	1
		2020	7		0	1
		2020	8		0	1
		2020	9		0	1
		2020	10		0	1
		2020	11		0	1
		2020	12		0	1
		2021	1		0	1
		2021	2		0	1
		2021	3		0	1
		2021	4		0	1
		2021	5		0	1
		2021	6		0	1

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2021	7		0	1
		2021	8		0	1
		2021	9		0	1
		2021	10		0	1
		2021	11		0	1
		2021	12		0	1
		2022	1		0	1
		2022	2		0	1
		2022	3		0	1
		2022	4		0	1
		2022	5		0	1
		2022	6		0	1
		2022	7		0	1
		2022	8		0	1
		2022	9		0	1
		2022	10		0	1
		2022	11		0	1
		2022	12		0	1
		2023	1		0	1
		2023	2		0	1
		2023	3		0	1
		2023	4		0	1
		2023	5		0	1
		2023	6		0	1
		2023	7		0	1
		2023	8		0	1
		2023	9		0	1
		2023	10		0	1
		2023	11		0	1
		2023	12		0	1
		2024	1		0	1
		2024	2		0	1
		2024	3		0	1
		2024	4		0	1
		2024	5		0	1
		2024	6		0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2024	7		0	1	0
		2024	8		0	1	0
		2024	9		0	1	0
		2024	10		0	1	0
		2024	11		0	1	0
		2024	12		0	1	0
		1996	1		0	1	0
		1996	2		0	1	0
		1996	3		0	1	0
		1996	4		0	1	0
		1999	1		0	1	0
		1999	2		0	1	0
		1999	3		0	1	0
		1999	4		0	1	0
		1999	5		0	1	0
		1999	6		0	1	0
		1999	7		0	1	0
		1999	8		0	1	0
		1999	9		0	1	0
		1999	10		0	1	0
		1999	11		0	1	0
		1999	12		0	1	0
		2000	1		0	1	0
		2000	2		0	1	0
		2000	3		0	1	0
		2000	4		0	1	0
		2000	5		0	1	0
		2000	6		0	1	0
		2000	7		0	1	0
		2000	8		0	1	0
		2000	9		0	1	0
		2000	10		0	1	0
		2000	11		0	1	0
		2000	12		0	1	0
		2001	1		0	1	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2001	2		0	1	0
		2001	3		0	1	0
		2001	4		0	1	0
		2001	5		0	1	0
		2001	6		0	1	0
		2001	7		0	1	0
		2001	8		0	1	0
		2001	9		0	1	0
		2001	10		0	1	0
		2001	11		0	1	0
		2001	12		0	1	0
		2002	1		0	1	0
		2002	2		0	1	0
		2002	3		0	1	0
		2002	4		0	1	0
		2002	5		0	1	0
		2002	6		0	1	0
		2002	7		0	1	0
		2002	8		0	1	0
		2002	9		0	1	0
		2002	10		0	1	0
		2002	11		0	1	0
		2002	12		0	1	0
		2003	1		0	1	0
		2003	2		0	1	0
		2003	3		0	1	0
		2003	4		0	1	0
		2003	5		0	1	0
		2003	6		0	1	0
		2003	7		0	1	0
		2003	8		0	1	0
		2003	9		0	1	0
		2003	10		0	1	0
		2003	11		0	1	0
		2003	12		0	1	0
		2004	1		0	-1	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2004	2		0	1
		2004	3		0	1
		2004	4		0	1
		2004	5		0	1
		2004	6		0	1
		2004	7		0	1
		2004	8		0	1
		2004	9		0	1
		2004	10		0	1
		2004	11		0	1
		2004	12		0	1
		2005	1		0	1
		2005	2		0	1
		2005	3		0	1
		2005	4		0	1
		2005	5		0	1
		2005	6		-1	1
		2005	7		0	1
		2005	8		0	1
		2005	9		0	1
		2005	10		0	1
		2005	11		0	1
		2005	12		0	1
		2006	1		0	1
		2006	2		0	1
		2006	3		0	1
		2006	4		0	1
		2006	5		0	1
		2006	6		0	1
		2006	7		0	1
		2006	8		0	1
		2006	9		0	1
		2006	10		0	1
		2006	11		0	1
		2006	12		0	1
		2007	1		0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2007	2		0	1	0
		2007	3		0	1	0
		2007	4		0	1	0
		2007	5		0	1	0
		2007	6		0	1	0
		2007	7		0	1	0
		2007	8		0	1	0
		2007	9		0	1	0
		2007	10		0	1	0
		2007	11		0	1	0
		2007	12		0	1	0
		2008	1		0	1	0
		2008	2		0	1	0
		2008	3		0	1	0
		2008	4		0	1	0
		2008	5		0	1	0
		2008	6		0	1	0
		2008	7		0	1	0
		2008	8		0	1	0
		2008	9		0	1	0
		2008	10		0	1	0
		2008	11		0	1	0
		2008	12		0	1	0
		2009	1		0	1	0
		2009	2		0	1	0
		2009	3		0	1	0
		2009	4		0	1	0
		2009	5		0	1	0
		2009	6		0	1	0
		2009	7		0	1	1
		2009	8		0	1	0
		2009	9		0	1	0
		2009	10		0	1	0
		2009	11		0	1	0
		2009	12		0	1	0
		2010	1		0	1	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2010	2		0	1	0
		2010	3		0	1	0
		2010	4		0	1	0
		2010	5		0	1	0
		2010	6		0	1	0
		2010	7		0	1	0
		2010	8		0	1	0
		2010	9		0	1	0
		2010	10		0	1	0
		2010	11		0	1	0
		2010	12		0	1	0
		2011	1		0	1	0
		2011	2		0	1	0
		2011	3		0	1	0
		2011	4		0	1	0
		2011	5		0	1	0
		2011	6		0	1	0
		2011	7		0	1	0
		2011	8		0	1	0
		2011	9		0	1	0
		2011	10		0	1	0
		2011	11		0	1	0
		2011	12		0	1	0
		2012	1		0	1	0
		2012	2		0	1	0
		2012	3		0	1	0
		2012	4		0	1	0
		2012	5		0	1	0
		2012	6		0	1	0
		2012	7		0	1	0
		2012	8		0	1	0
		2012	9		0	1	0
		2012	10		0	1	0
		2012	11		0	1	0
		2012	12		0	1	0
		2013	1		0	1	0

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2013	2		0	1
		2013	3		0	1
		2013	4		0	1
		2013	5		0	1
		2013	6		0	1
		2013	7		0	1
		2013	8		0	1
		2013	9		0	1
		2013	10		0	1
		2013	11		0	1
		2013	12		0	1
		2014	1		0	1
		2014	2		0	1
		2014	3		0	1
		2014	4		0	1
		2014	5		0	1
		2014	6		0	1
		2014	7		0	1
		2014	8		0	1
		2014	9		0	1
		2014	10		0	1
		2014	11		0	1
		2014	12		0	1
		2015	1		0	1
		2015	2		0	1
		2015	3		0	1
		2015	4		0	1
		2015	5		0	1
		2015	6		0	1
		2015	7		0	1
		2015	8		0	1
		2015	9		0	1
		2015	10		0	1
		2015	11		0	1
		2015	12		0	1
		2016	1		0	1

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	
		2016	2		0	1	0
		2016	3		0	1	0
		2016	4		0	1	0
		2016	5		0	1	0
		2016	6		0	1	0
		2016	7		0	1	0
		2016	8		0	1	0
		2016	9		0	1	0
		2016	10		0	1	0
		2016	11		0	1	0
		2016	12		0	1	0
		2017	1		0	1	0
		2017	2		0	1	0
		2017	3		0	1	0
		2017	4		0	1	0
		2017	5		0	1	0
		2017	6		0	1	0
		2017	7		0	1	0
		2017	8		0	1	0
		2017	9		0	1	0
		2017	10		0	1	0
		2017	11		0	1	0
		2017	12		0	1	0
		2018	1		0	1	0
		2018	2		0	1	0
		2018	3		0	1	0
		2018	4		0	1	0
		2018	5		0	1	0
		2018	6		0	1	0
		2018	7		0	1	0
		2018	8		0	1	0
		2018	9		0	1	0
		2018	10		0	1	0
		2018	11		0	1	0
		2018	12		0	1	0
		2019	1		0	1	0

Kentucky Power Company
 Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2019	2		0	1
		2019	3		0	1
		2019	4		0	1
		2019	5		0	1
		2019	6		0	1
		2019	7		0	1
		2019	8		0	1
		2019	9		0	1
		2019	10		0	1
		2019	11		0	1
		2019	12		0	1
		2020	1		0	1
		2020	2		0	1
		2020	3		0	1
		2020	4		0	1
		2020	5		0	1
		2020	6		0	1
		2020	7		0	1
		2020	8		0	1
		2020	9		0	1
		2020	10		0	1
		2020	11		0	1
		2020	12		0	1
		2021	1		0	1
		2021	2		0	1
		2021	3		0	1
		2021	4		0	1
		2021	5		0	1
		2021	6		0	1
		2021	7		0	1
		2021	8		0	1
		2021	9		0	1
		2021	10		0	1
		2021	11		0	1
		2021	12		0	1
		2022	1		0	1

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2
		2022	2		0	1
		2022	3		0	1
		2022	4		0	1
		2022	5		0	1
		2022	6		0	1
		2022	7		0	1
		2022	8		0	1
		2022	9		0	1
		2022	10		0	1
		2022	11		0	1
		2022	12		0	1
		2023	1		0	1
		2023	2		0	1
		2023	3		0	1
		2023	4		0	1
		2023	5		0	1
		2023	6		0	1
		2023	7		0	1
		2023	8		0	1
		2023	9		0	1
		2023	10		0	1
		2023	11		0	1
		2023	12		0	1
		2024	1		0	1
		2024	2		0	1
		2024	3		0	1
		2024	4		0	1
		2024	5		0	1
		2024	6		0	1
		2024	7		0	1
		2024	8		0	1
		2024	9		0	1
		2024	10		0	1
		2024	11		0	1
		2024	12		0	1

Kentucky Power Company
Large Industrial Customer Models Input Data

acctNO	Name	year	month	wey1	hunt1	hunt2	0
					0	1	0

Kentucky Power Company

The ARIMA Procedure

Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr > |t|	Lag	Variable	Shift
MU	-500032.0	340120.5	-1.47	0.1429	0	KWH	0
AR1,1	0.58436	0.05548	10.53	<.0001	3	KWH	0
AR2,1	-0.36076	0.06449	-5.59	<.0001	12	KWH	0
NUM1	4510981.9	2128524.8	2.12	0.0352	0	ak1	0
NUM2	3903678.7	2126464.0	1.84	0.0677	0	ak2	0
NUM3	2405706.6	2113192.3	1.14	0.2562	0	ak3	0
NUM4	-4486599.4	2124641.8	-2.11	0.0358	0	ak4	0
NUM5	5297731.6	2138846.3	2.48	0.0140	0	ak5	0
NUM6	12016225	2127813.9	5.65	<.0001	0	ak6	0

Constant Estimate	-282811
Variance Estimate	
Std Error Estimate	
AIC	
SBC	
Number of Residuals	230

* AIC and SBC do not include log determinant.

Correlations of Parameter Estimates

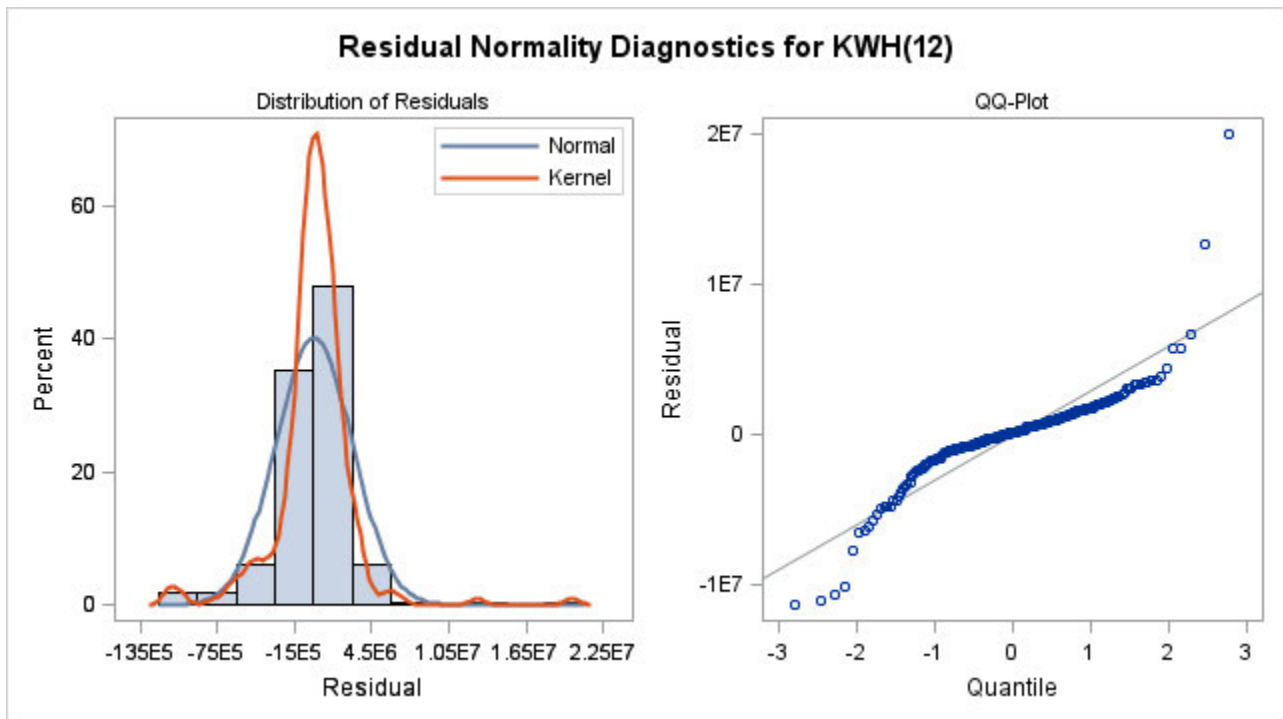
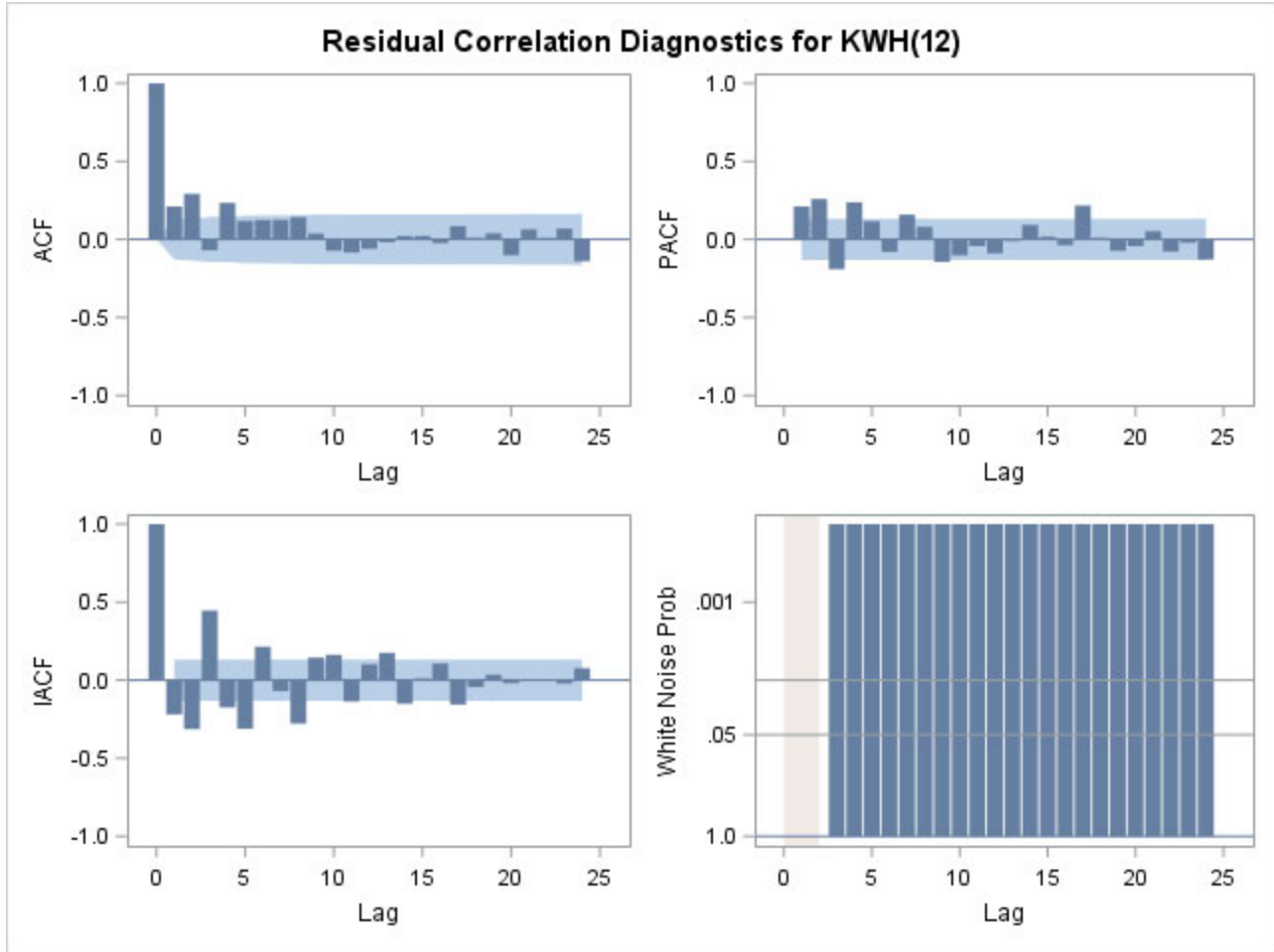
Variable Parameter	KWH MU	KWH AR1,1	KWH AR2,1	ak1 NUM1	ak2 NUM2	ak3 NUM3	ak4 NUM4	ak5 NUM5	ak6 NUM6
KWH MU	1.000	0.035	0.000	0.007	0.001	0.000	-0.000	-0.000	0.000
KWH AR1,1	0.035	1.000	-0.190	0.054	-0.007	0.004	-0.004	-0.002	0.012
KWH AR2,1	0.000	-0.190	1.000	0.022	0.045	-0.003	-0.013	0.008	0.005
ak1 NUM1	0.007	0.054	0.022	1.000	0.103	0.000	-0.001	0.000	0.001
ak2 NUM2	0.001	-0.007	0.045	0.103	1.000	-0.000	-0.001	0.000	0.000

Correlations of Parameter Estimates

Variable Parameter	KWH MU	KWH AR1,1	KWH AR2,1	ak1 NUM1	ak2 NUM2	ak3 NUM3	ak4 NUM4	ak5 NUM5	ak6 NUM6
ak3 NUM3	0.000	0.004	-0.003	0.000	-0.000	1.000	0.000	-0.000	0.000
ak4 NUM4	-0.000	-0.004	-0.013	-0.001	-0.001	0.000	1.000	0.103	-0.012
ak5 NUM5	-0.000	-0.002	0.008	0.000	0.000	-0.000	0.103	1.000	-0.116
ak6 NUM6	0.000	0.012	0.005	0.001	0.000	0.000	-0.012	-0.116	1.000

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	48.84	4	<.0001	0.213	0.293	-0.069	0.234	0.119	0.126
12	60.30	10	<.0001	0.127	0.143	0.039	-0.072	-0.084	-0.059
18	62.21	16	<.0001	-0.017	0.023	0.023	-0.023	0.086	0.013
24	70.21	22	<.0001	0.040	-0.101	0.065	0.012	0.070	-0.139
30	71.01	28	<.0001	-0.003	-0.045	0.016	-0.027	0.029	0.014
36	73.22	34	0.0001	-0.015	-0.018	-0.032	0.014	-0.061	0.078
42	77.27	40	0.0004	-0.053	0.058	-0.114	0.036	-0.042	0.011
48	78.21	46	0.0021	-0.017	0.029	0.019	0.034	0.042	-0.021



Model for variable KWH

Estimated Intercept -500032
Period(s) of Differencing 12

Autoregressive Factors

Factor 1: $1 - 0.58436 B^{**}(3)$

Factor 2: $1 + 0.36076 B^{**}(12)$

Input Number 1

Input Variable ak1
Period(s) of Differencing 12
Overall Regression Factor 4510982

Input Number 2

Input Variable ak2
Period(s) of Differencing 12
Overall Regression Factor 3903679

Input Number 3

Input Variable ak3
Period(s) of Differencing 12
Overall Regression Factor 2405707

Input Number 4

Input Variable ak4
Period(s) of Differencing 12
Overall Regression Factor -4486599

Input Number 5

Input Variable ak5
Period(s) of Differencing 12
Overall Regression Factor 5297732

Input Number 6

Input Variable	ak6
Period(s) of Differencing	12
Overall Regression Factor	12016225

Warning: The value of ID variable TIME is missing in observation 1.

Warning: There are gaps in the interval for observation 4 according to ID variable TIME.

Warning: There are gaps in the interval for observation 5 according to ID variable TIME.

Warning: There are gaps in the interval for observation 7 according to ID variable TIME.

Warning: Observation 171 is out of order according to the ID variable TIME.

Warning: Observation 173 is out of order according to the ID variable TIME.

Warning: Observation 175 is out of order according to the ID variable TIME.

Warning: Observation 177 is out of order according to the ID variable TIME.

Warning: Observation 179 is out of order according to the ID variable TIME.

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits
█	█	█	█

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The ARIMA Procedure

Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr > t	Lag	Variable	Shift
MU	126290.4	517929.9	0.24	0.8076	0	KWH	0
MA1,1	0.40447	0.06263	6.46	<.0001	12	KWH	0
AR1,1	0.16650	0.06718	2.48	0.0139	1	KWH	0
NUM1	16141603	3380403.9	4.78	<.0001	0	cat1	0
NUM2	9892718.9	8254596.7	1.20	0.2320	0	cat3	0
NUM3	20808623	8156986.5	2.55	0.0114	0	cat5	0

Constant Estimate	105262.9
Variance Estimate	
Std Error Estimate	
AIC	
SBC	
Number of Residuals	225

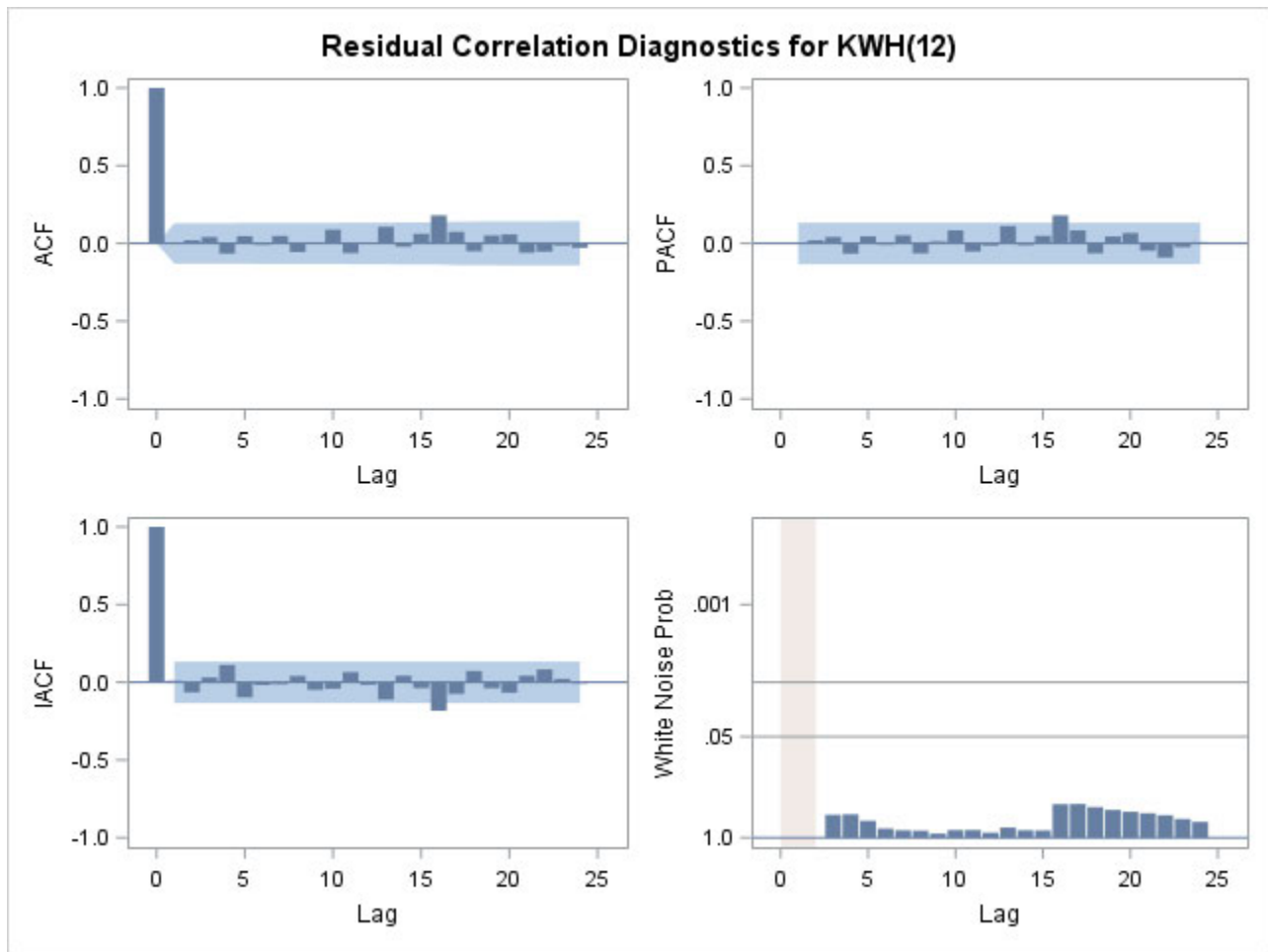
* AIC and SBC do not include log determinant.

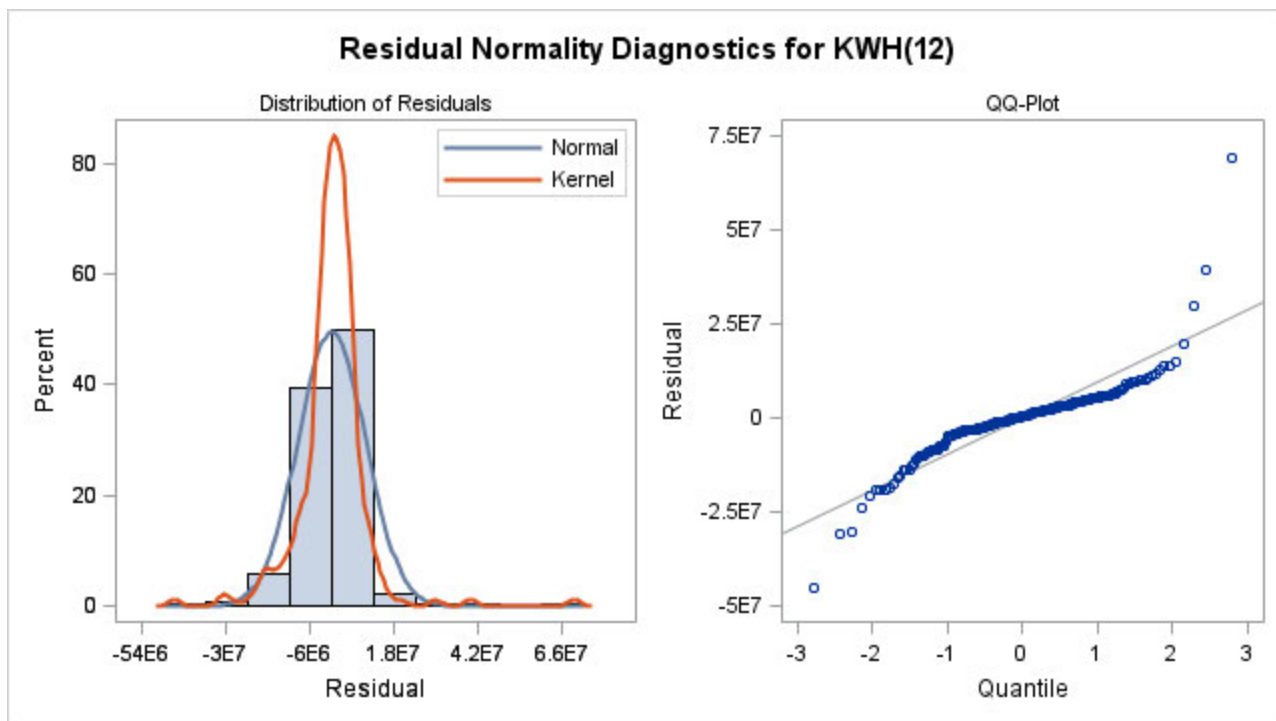
Correlations of Parameter Estimates

Variable Parameter	KWH MU	KWH MA1,1	KWH AR1,1	cat1 NUM1	cat3 NUM2	cat5 NUM3
KWH MU	1.000	-0.017	-0.003	-0.370	0.076	-0.052
KWH MA1,1	-0.017	1.000	-0.054	0.005	-0.011	-0.017
KWH AR1,1	-0.003	-0.054	1.000	0.008	-0.035	-0.017
cat1 NUM1	-0.370	0.005	0.008	1.000	-0.205	0.140
cat3 NUM2	0.076	-0.011	-0.035	-0.205	1.000	-0.028
cat5 NUM3	-0.052	-0.017	-0.017	0.140	-0.028	1.000

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations						
6	1.86	4	0.7608	-0.002	0.020	0.041	-0.066	0.046	-0.009	
12	5.44	10	0.8600	0.047	-0.056	0.007	0.089	-0.063	0.002	
18	16.73	16	0.4031	0.106	-0.022	0.061	0.180	0.074	-0.051	
24	19.33	22	0.6246	0.050	0.057	-0.061	-0.054	-0.014	-0.029	
30	23.73	28	0.6960	-0.027	0.072	0.061	-0.051	0.051	0.092	
36	27.16	34	0.7911	0.031	0.086	0.016	-0.045	-0.064	0.064	
42	29.00	40	0.9011	0.018	-0.085	0.023	0.004	-0.041	0.029	





Model for variable KWH

Estimated Intercept 126290.4

Period(s) of Differencing 12

Autoregressive Factors

Factor 1: 1 - 0.1665 B**(1)

Moving Average Factors

Factor 1: 1 - 0.40447 B**(12)

Input Number 1

Input Variable cat1

Period(s) of Differencing 12

Overall Regression Factor 16141603

Input Number 2

Input Variable cat3

Period(s) of Differencing 12

Overall Regression Factor 9892719

Input Number 3

Input Variable cat5
Period(s) of Differencing 12
Overall Regression Factor 20808623

Warning: The value of ID variable TIME is missing in observation 1.

Warning: There are gaps in the interval for observation 5 according to ID variable TIME.

Warning: There are gaps in the interval for observation 12 according to ID variable TIME.

Warning: There are gaps in the interval for observation 27 according to ID variable TIME.

Warning: Observation 166 is out of order according to the ID variable TIME.

Warning: Observation 168 is out of order according to the ID variable TIME.

Warning: Observation 170 is out of order according to the ID variable TIME.

Warning: Observation 172 is out of order according to the ID variable TIME.

Warning: Observation 174 is out of order according to the ID variable TIME.

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits
█	█	█	█

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits	
█	█	█	█	█
█	█	█	█	█
█	█	█	█	█
█	█	█	█	█
█	█	█	█	█
█	█	█	█	█
█	█	█	█	█

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The ARIMA Procedure
Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr > t	Lag	Variable	Shift
MU	-64733.5	77054.9	-0.84	0.4018	0	KWH	0
AR1,1	-0.42909	0.06483	-6.62	<.0001	12	KWH	0
NUM1	-3332975.8	912962.1	-3.65	0.0003	0	air1	0

Constant Estimate	-92509.8
Variance Estimate	████████
Std Error Estimate	████████
AIC	████████
SBC	████████
Number of Residuals	214

* AIC and SBC do not include log determinant.

Correlations of Parameter Estimates

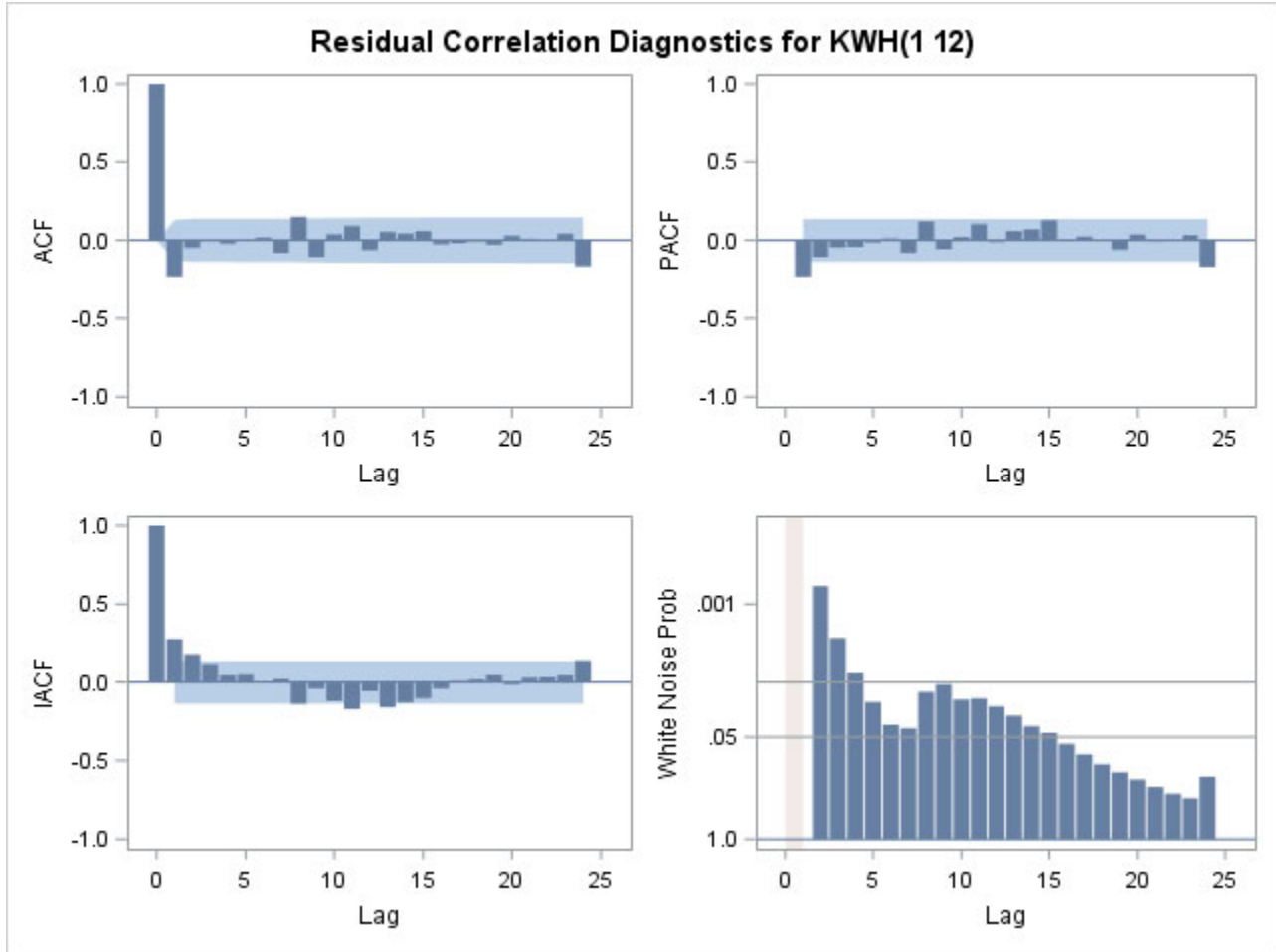
Variable Parameter	KWH MU	KWH AR1,1	air1 NUM1
KWH MU	1.000	0.004	0.001
KWH AR1,1	0.004	1.000	0.139
air1 NUM1	0.001	0.139	1.000

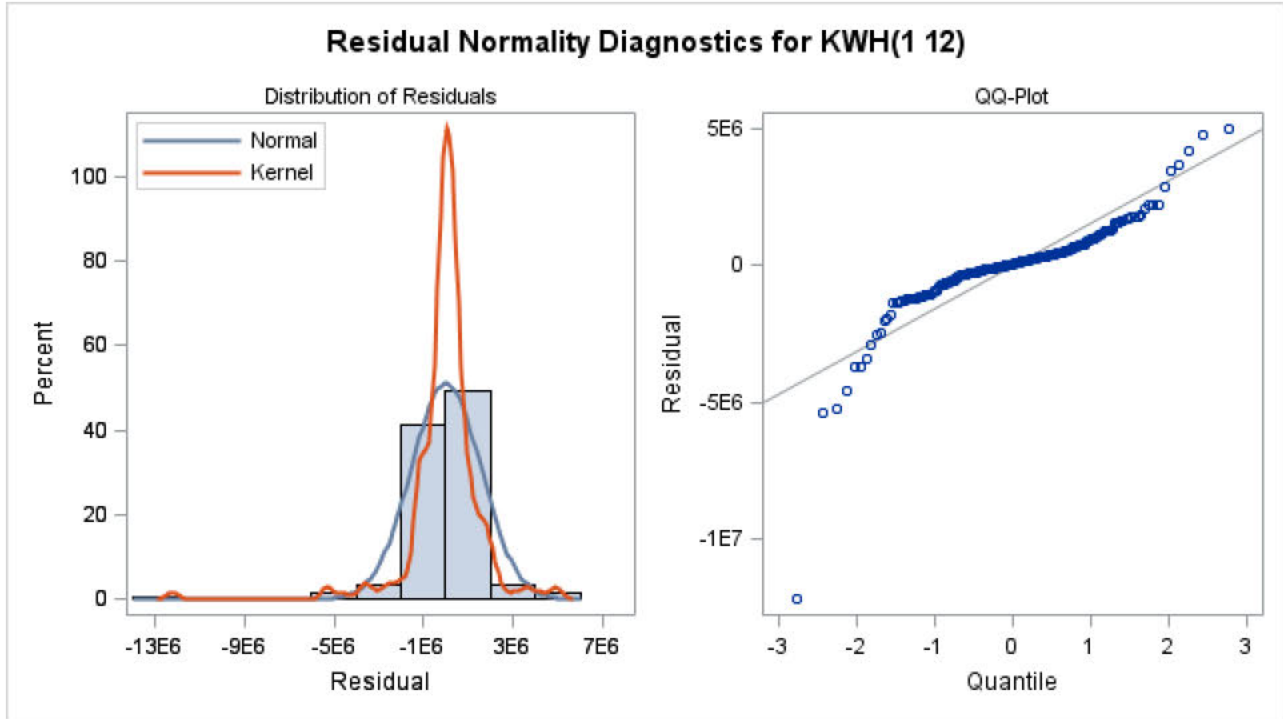
Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	11.99	5	0.0349	-0.232	-0.048	-0.006	-0.022	0.007	0.017
12	22.57	11	0.0203	-0.081	0.150	-0.107	0.038	0.091	-0.063
18	24.31	17	0.1113	0.054	0.043	0.059	-0.026	-0.018	-0.008
24	29.64	23	0.1600	-0.029	0.029	0.009	0.002	0.042	-0.167
30	34.06	29	0.2372	0.075	-0.024	-0.008	0.058	0.022	-0.128

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations						
36	52.26	35	0.0305	0.099	-0.169	0.219	-0.041	-0.139	0.078	
42	60.59	41	0.0248	-0.023	0.024	-0.019	-0.075	-0.028	0.217	





Model for variable KWH

Estimated Intercept -64733.5
Period(s) of Differencing 1,12

Autoregressive Factors

Factor 1: $1 + 0.42909 B^{**}(12)$

Input Number 1

Input Variable air1
Period(s) of Differencing 1,12
Overall Regression Factor -3332976

Warning: The value of ID variable TIME is missing in observation 1.

Warning: Observation 166 is out of order according to the ID variable TIME.

Warning: Observation 168 is out of order according to the ID variable TIME.

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The ARIMA Procedure
Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr > t	Lag
MU	1393120.4	504008.0	2.76	0.0067	0
AR1,1	0.57984	0.07692	7.54	<.0001	1
AR2,1	-0.32647	0.09006	-3.63	0.0004	12

Constant Estimate	776424.1
Variance Estimate	████████
Std Error Estimate	████████
AIC	████████
SBC	████████
Number of Residuals	117

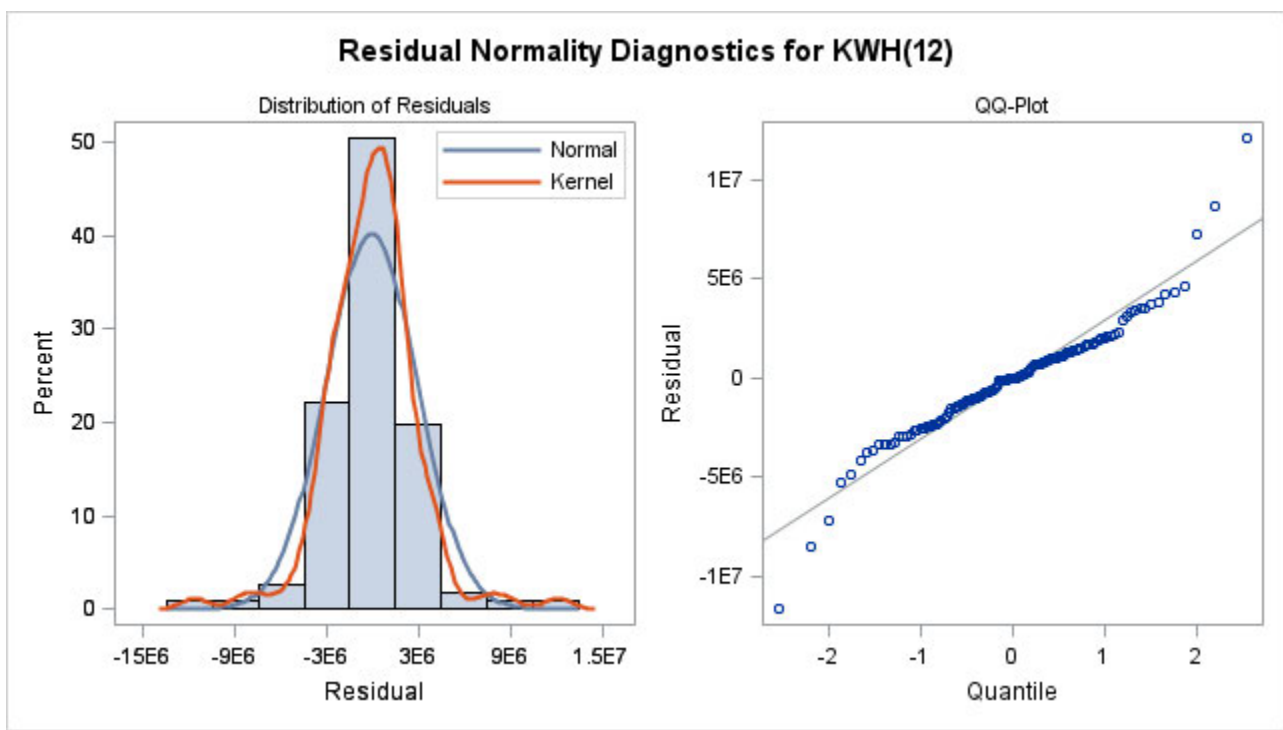
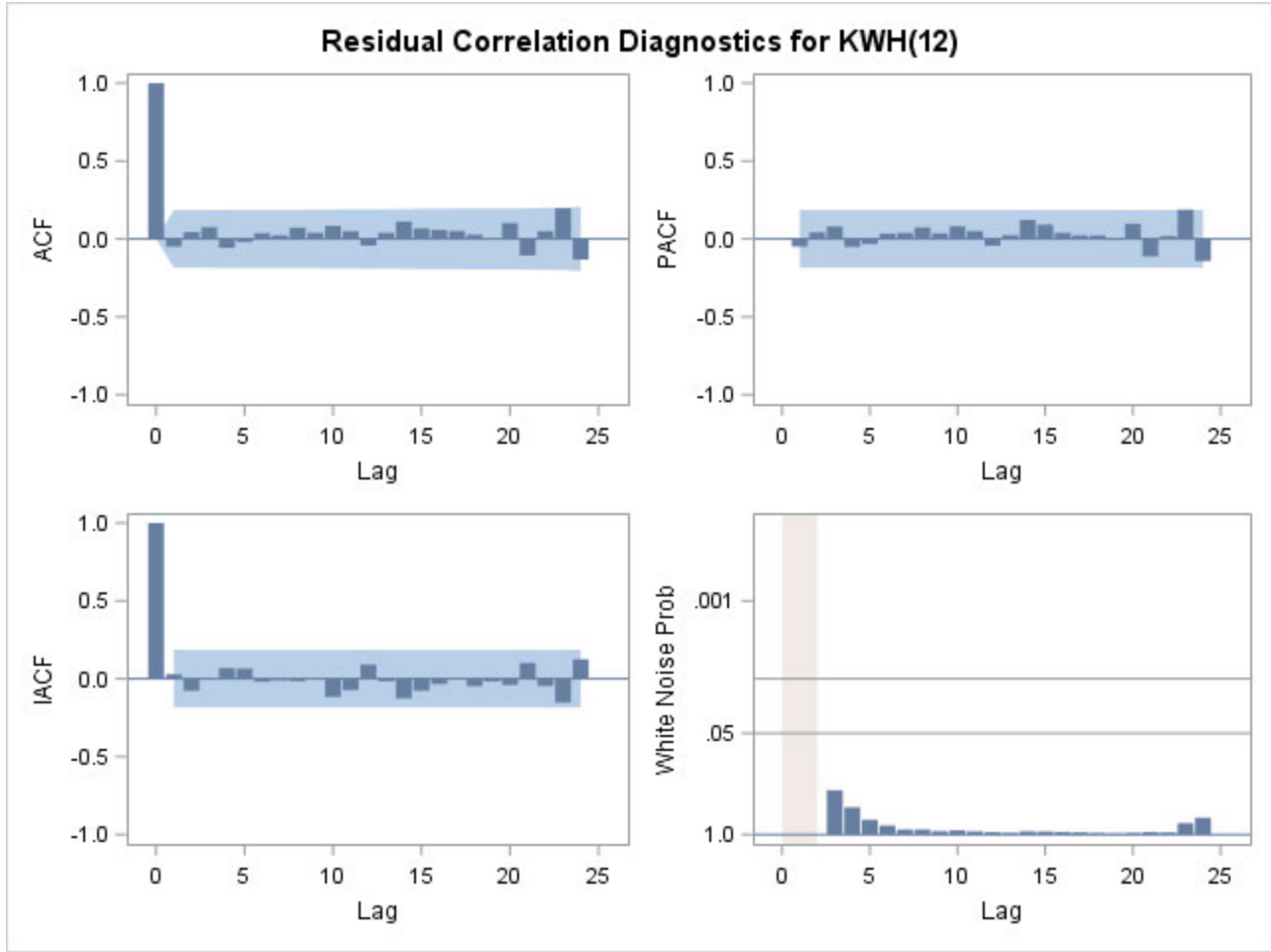
* AIC and SBC do not include log determinant.

Correlations of Parameter Estimates

Parameter	MU	AR1,1	AR2,1
MU	1.000	0.091	0.004
AR1,1	0.091	1.000	-0.056
AR2,1	0.004	-0.056	1.000

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	1.86	4	0.7616	-0.047	0.046	0.078	-0.054	-0.018	0.040
12	4.43	10	0.9259	0.026	0.075	0.042	0.086	0.052	-0.041
18	8.12	16	0.9451	0.041	0.114	0.070	0.060	0.054	0.030
24	20.07	22	0.5786	-0.002	0.105	-0.103	0.052	0.199	-0.130



Model for variable KWH

Estimated Mean 1393120
Period(s) of Differencing 12

Autoregressive Factors

Factor 1: $1 - 0.57984 B^{**}(1)$

Factor 2: $1 + 0.32647 B^{**}(12)$

Warning: The value of ID variable TIME is missing in observation 1.

Warning: The value of ID variable TIME is missing in observation 2.

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits	
130				
131				
132				
133				
134				
135				
136				
137				
138				
139				
140				
141				
142				
143				
144				
145				

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits	
146				
147				
148				
149				
150				
151				
152				
153				
154				
155				
156				
157				
158				
159				
160				
161				
162				
163				
164				
165				

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The ARIMA Procedure

Warning: The Marquardt direction (approximate Hessian) matrix is singular. The singularity was detected for the row corresponding to the NUM1 parameter.

Warning: The cross products matrix used to approximate the correlations of the estimates is singular after the estimation process has terminated.

Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr > |t|	Lag	Variable	Shift
MU	-21083.2	11497.1	-1.83	0.0690	0	KWH	0
MA1,1	0.27575	0.08588	3.21	0.0017	1	KWH	0
MA2,1	0.66780	0.07230	9.24	<.0001	12	KWH	0
NUM1	0	0	.	.	0	sid1	0

Constant Estimate	-21083.2
Variance Estimate	
Std Error Estimate	
AIC	
SBC	
Number of Residuals	133

* AIC and SBC do not include log determinant.

Correlations of Parameter Estimates

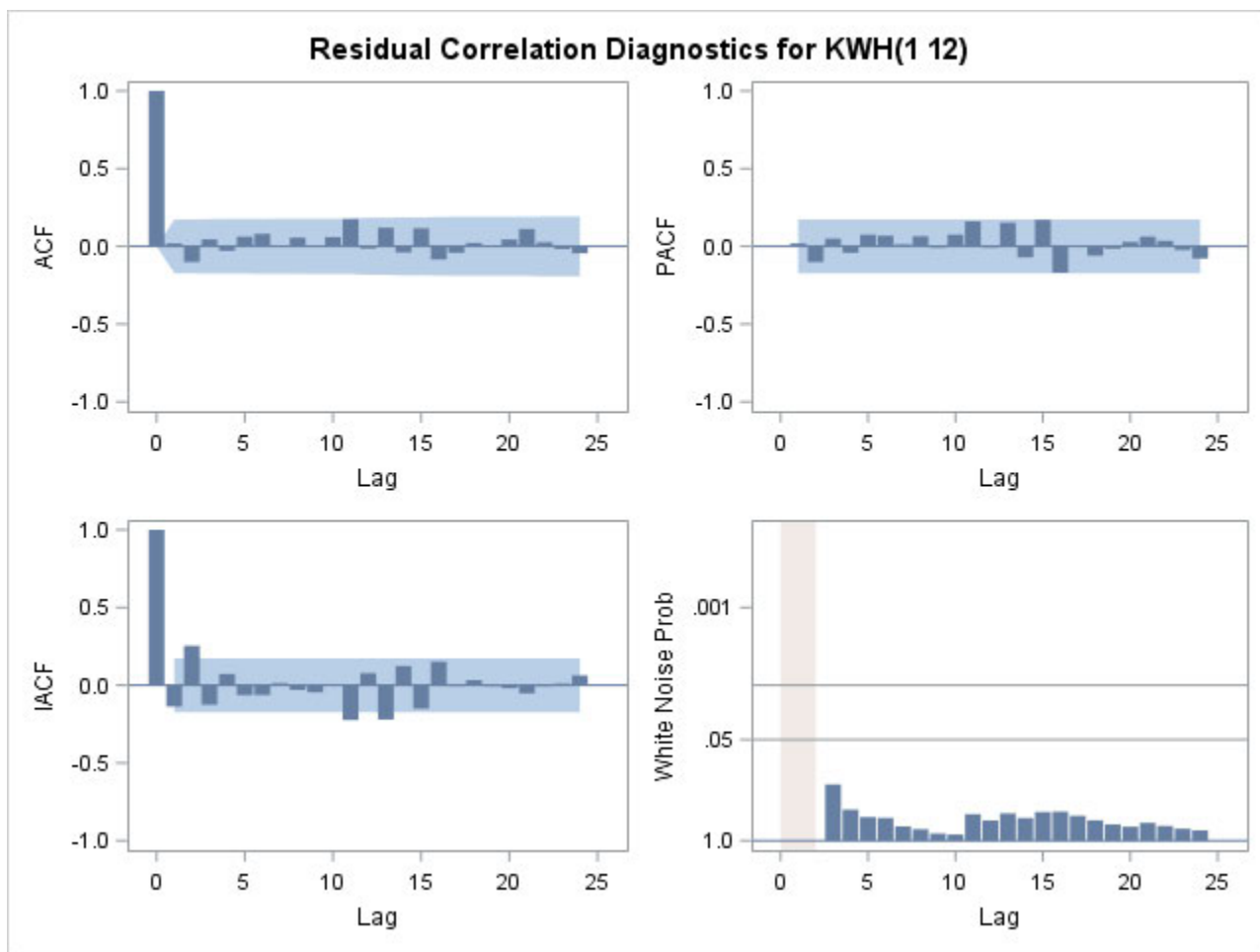
Variable Parameter	KWH MU	KWH MA1,1	KWH MA2,1	sid1 NUM1
KWH MU	1.000	0.017	-0.193	0.000
KWH MA1,1	0.017	1.000	-0.167	0.000
KWH MA2,1	-0.193	-0.167	1.000	0.000

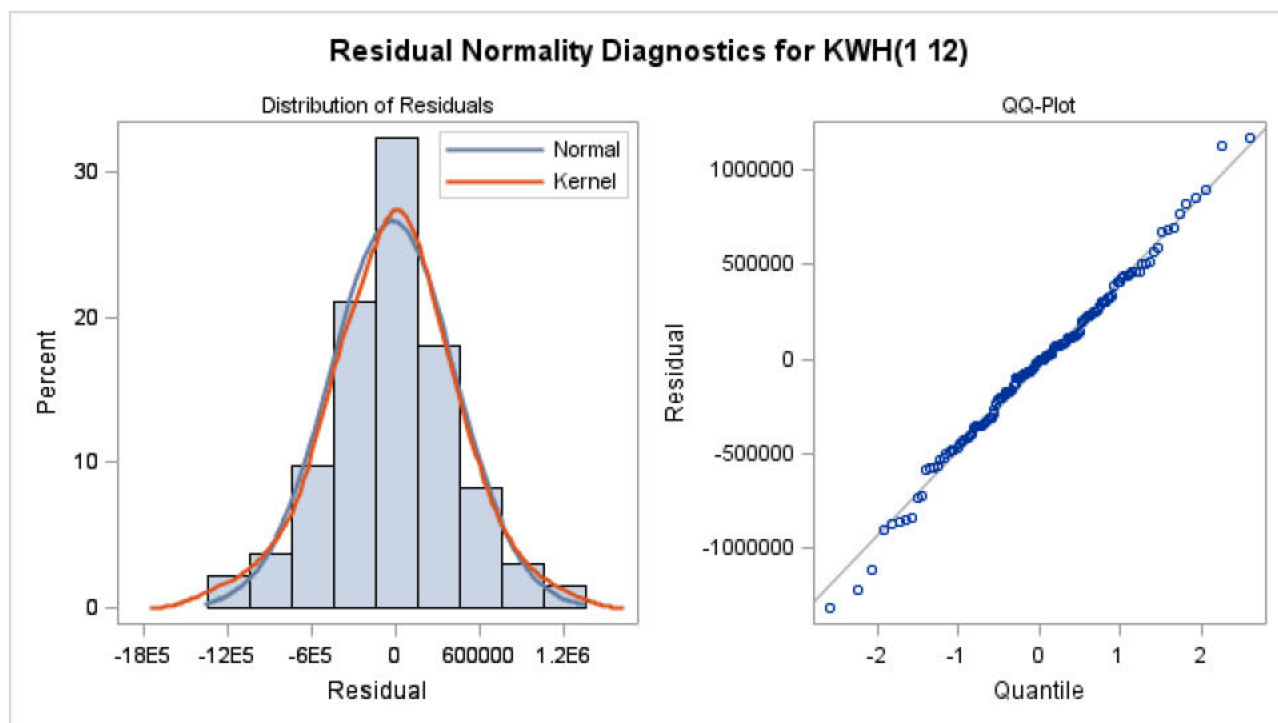
Correlations of Parameter Estimates

Variable Parameter	KWH MU	KWH MA1,1	KWH MA2,1	sid1 NUM1
sid1 NUM1	0.000	0.000	0.000	0.000

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	3.30	4	0.5092	0.023	-0.096	0.047	-0.027	0.065	0.083
12	8.99	10	0.5328	0.001	0.058	-0.001	0.062	0.177	-0.012
18	14.86	16	0.5352	0.121	-0.039	0.115	-0.084	-0.042	0.021
24	17.67	22	0.7254	0.004	0.045	0.112	0.027	-0.016	-0.045





Model for variable KWH

Estimated Intercept -21083.2

Period(s) of Differencing 1,12

Moving Average Factors

Factor 1: 1 - 0.27575 B**(1)

Factor 2: 1 - 0.6678 B**(12)

Input Number 1

Input Variable sid1

Period(s) of Differencing 1,12

Overall Regression Factor 0

Warning: Observation 74 is out of order according to the ID variable TIME.

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits	
147	██████████	██████████	██████████	██████████
148	██████████	██████████	██████████	██████████

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits	
149	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
150	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
151	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
152	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
153	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
154	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
155	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
156	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
157	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
158	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
159	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
160	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
161	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
162	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
163	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
164	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
165	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
166	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
167	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
168	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
169	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
170	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
171	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
172	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
173	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
174	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
175	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
176	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

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The ARIMA Procedure
Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr > t	Lag	Variable	Shift
MU	147053.3	37304.4	3.94	0.0001	0	KWH	0
NUM1	-36000.0	342916.9	-0.10	0.9165	0	wey1	0

Constant Estimate	147053.3
Variance Estimate	██████████
Std Error Estimate	██████████
AIC	██████████
SBC	██████████
Number of Residuals	169

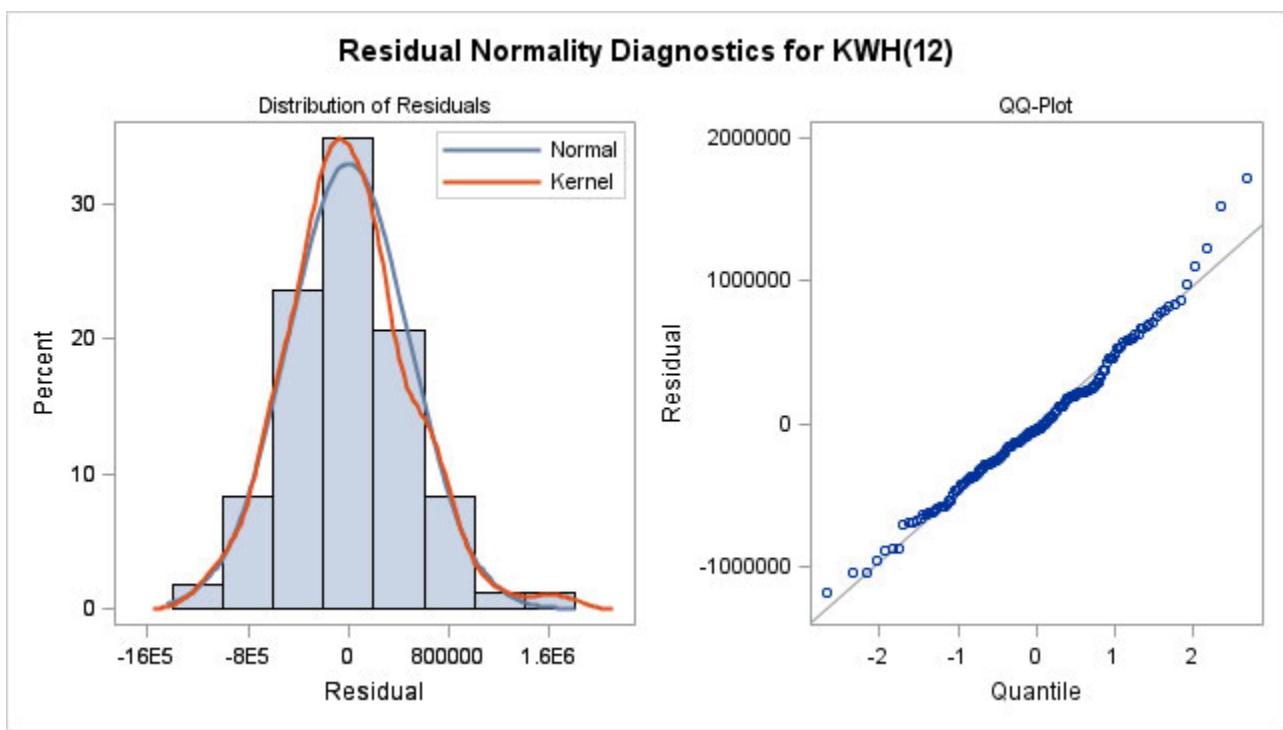
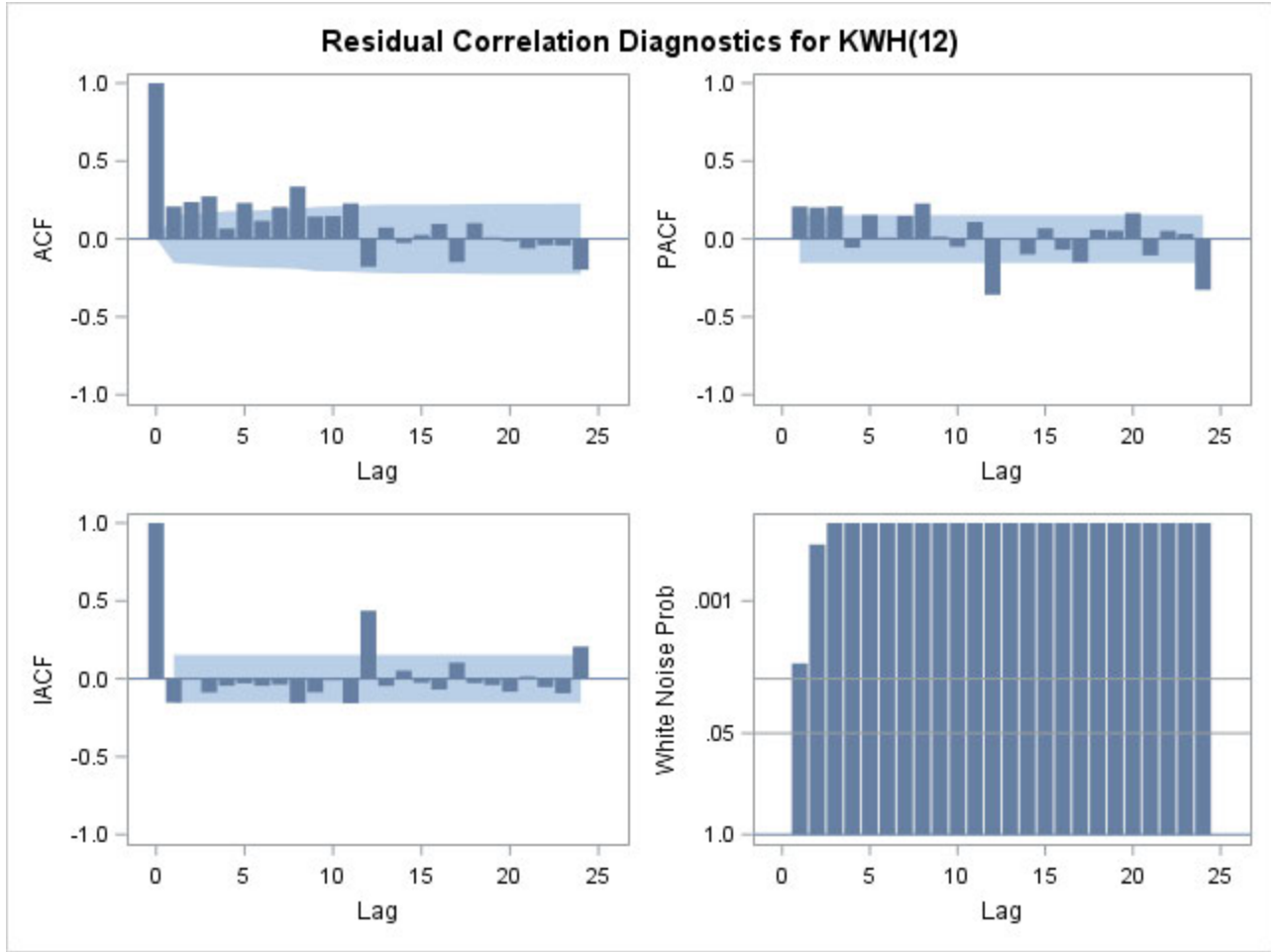
* AIC and SBC do not include log determinant.

Correlations of Parameter Estimates

Variable Parameter	KWH MU	wey1 NUM1
KWH MU	1.000	0.000
wey1 NUM1	0.000	1.000

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	42.75	6	<.0001	0.208	0.237	0.273	0.067	0.231	0.116
12	93.65	12	<.0001	0.206	0.336	0.144	0.147	0.228	-0.179
18	102.86	18	<.0001	0.073	-0.026	0.026	0.097	-0.149	0.101
24	112.16	24	<.0001	0.010	-0.014	-0.061	-0.041	-0.042	-0.198
30	129.87	30	<.0001	-0.187	-0.035	-0.088	-0.145	-0.001	-0.149



Kentucky Power Company

The ARIMA Procedure

Warning: The Marquardt direction (approximate Hessian) matrix is singular. The singularity was detected for the row corresponding to the NUM1 parameter.

Warning: The cross products matrix used to approximate the correlations of the estimates is singular after the estimation process has terminated.

Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr > |t|	Lag	Variable	Shift
MU	9637.6	358634.8	0.03	0.9786	0	KWH	0
AR1,1	0.62921	0.06632	9.49	<.0001	1	KWH	0
NUM1	0	0	.	.	0	sid2	0

Constant Estimate	3573.488
Variance Estimate	████████
Std Error Estimate	████████
AIC	████████
SBC	████████
Number of Residuals	144

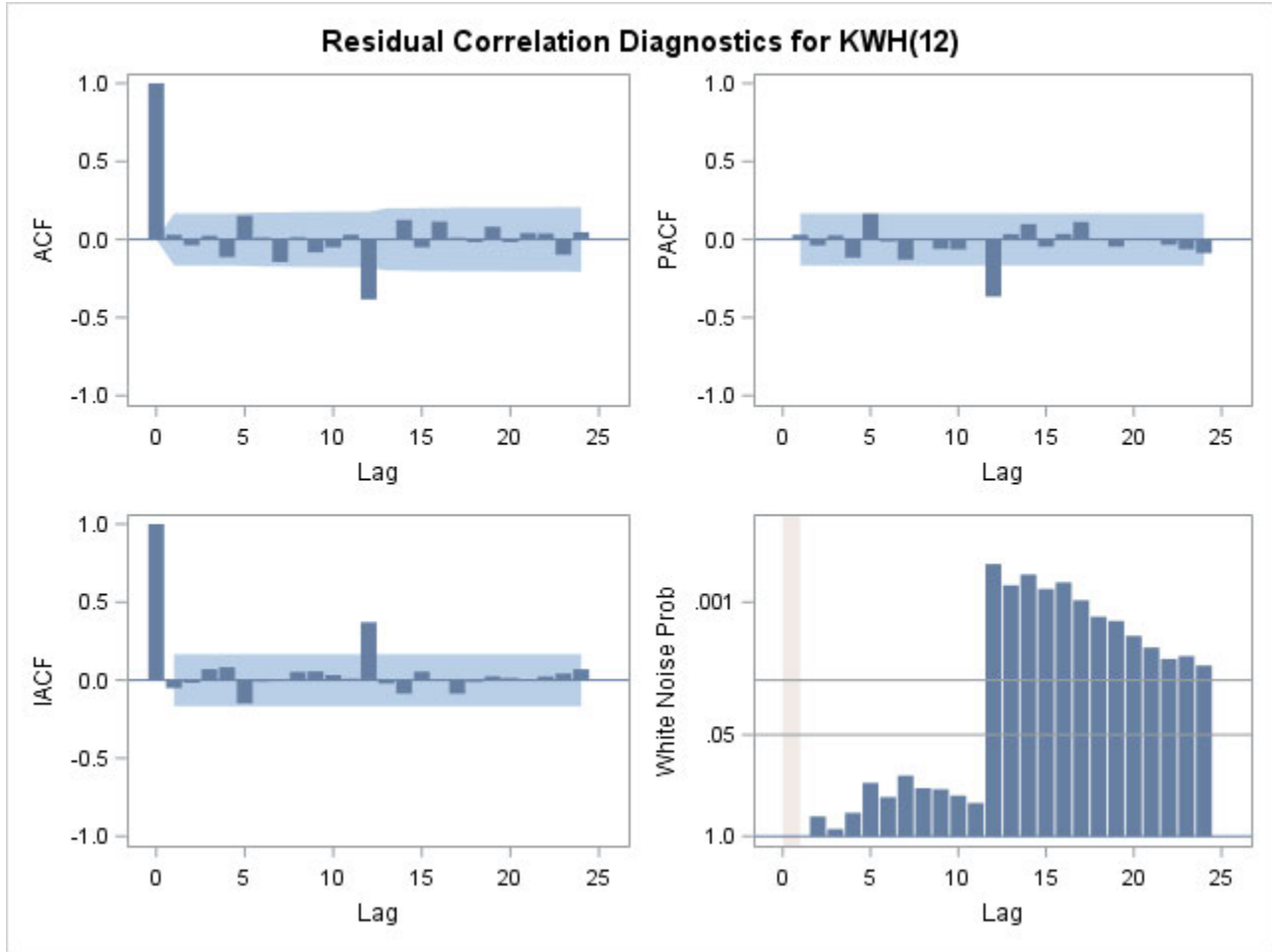
* AIC and SBC do not include log determinant.

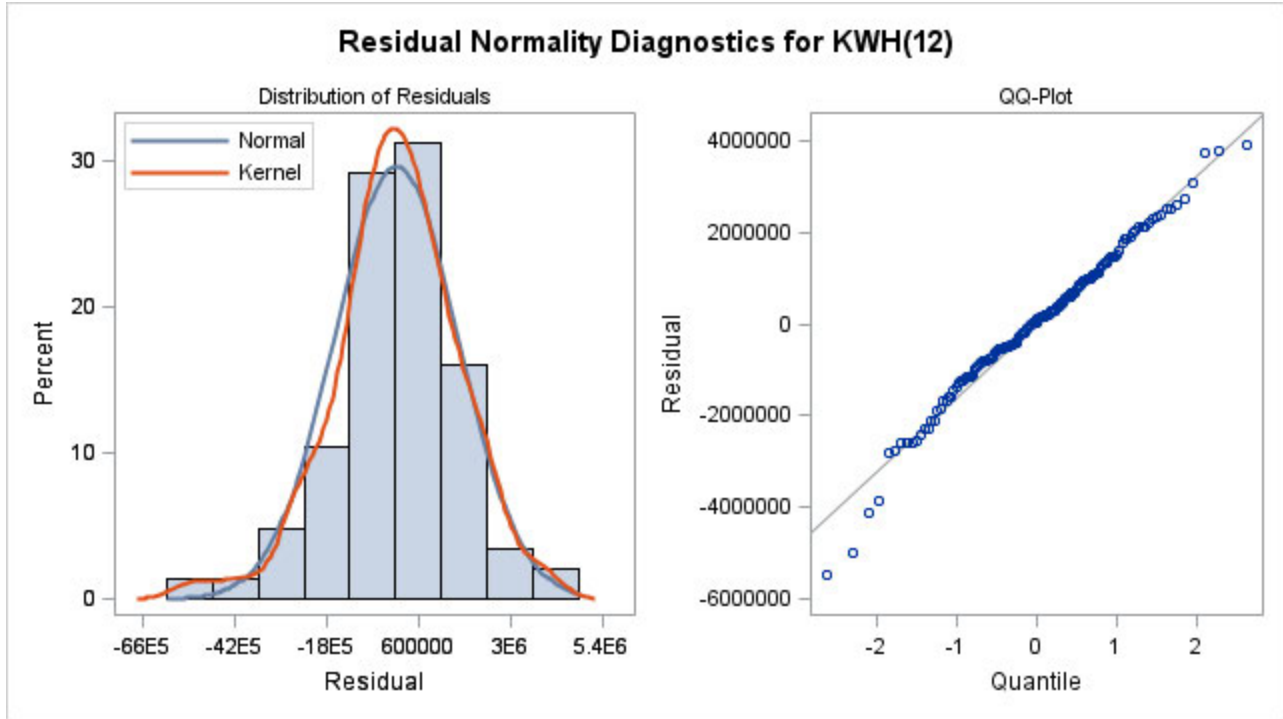
Correlations of Parameter Estimates

Variable	KWH	KWH	sid2
Parameter	MU	AR1,1	NUM1
KWH MU	1.000	-0.045	0.000
KWH AR1,1	-0.045	1.000	0.000
sid2 NUM1	0.000	0.000	0.000

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations						
6	5.92	5	0.3144	0.030	-0.038	0.024	-0.113	0.153	0.013	
12	34.25	11	0.0003	-0.145	0.014	-0.083	-0.051	0.030	-0.384	
18	39.45	17	0.0015	0.006	0.125	-0.051	0.115	0.011	-0.018	
24	43.22	23	0.0065	0.081	-0.018	0.041	0.038	-0.099	0.047	





Model for variable KWH

Estimated Intercept 9637.584
Period(s) of Differencing 12

Autoregressive Factors

Factor 1: 1 - 0.62921 B**(1)

Input Number 1

Input Variable sid2
Period(s) of Differencing 12
Overall Regression Factor 0

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits	
157	████████	████████	████████	████████
158	████████	████████	████████	████████
159	████████	████████	████████	████████
160	████████	████████	████████	████████

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits	
161	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
162	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
163	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
164	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
165	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
166	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
167	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
168	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
169	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
170	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
171	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
172	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
173	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
174	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
175	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
176	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
177	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
178	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
179	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
180	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
181	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
182	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
183	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
184	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
185	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
186	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
187	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
188	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits	
189	████████	████████	████████	████████
190	████████	████████	████████	████████
191	████████	████████	████████	████████
192	████████	████████	████████	████████

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██████████

The ARIMA Procedure
Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr > t	Lag
MU	28951.7	93849.5	0.31	0.7580	0
AR1,1	-0.34465	0.06010	-5.73	<.0001	1

Constant Estimate	38929.79
Variance Estimate	██████████
Std Error Estimate	██████████
AIC	██████████
SBC	██████████
Number of Residuals	246

* AIC and SBC do not include log determinant.

Correlations of Parameter Estimates

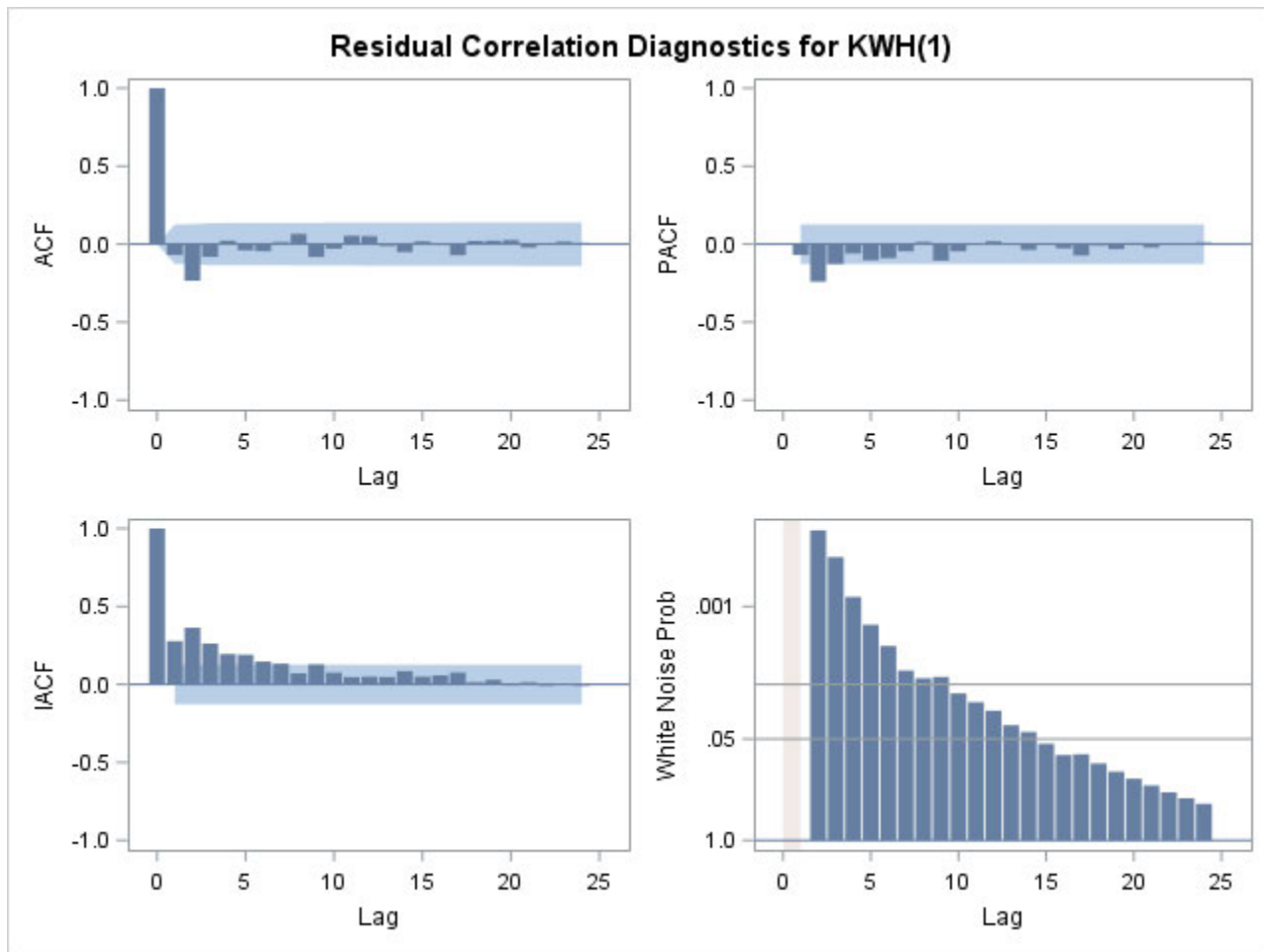
Parameter	MU	AR1,1
MU	1.000	-0.000
AR1,1	-0.000	1.000

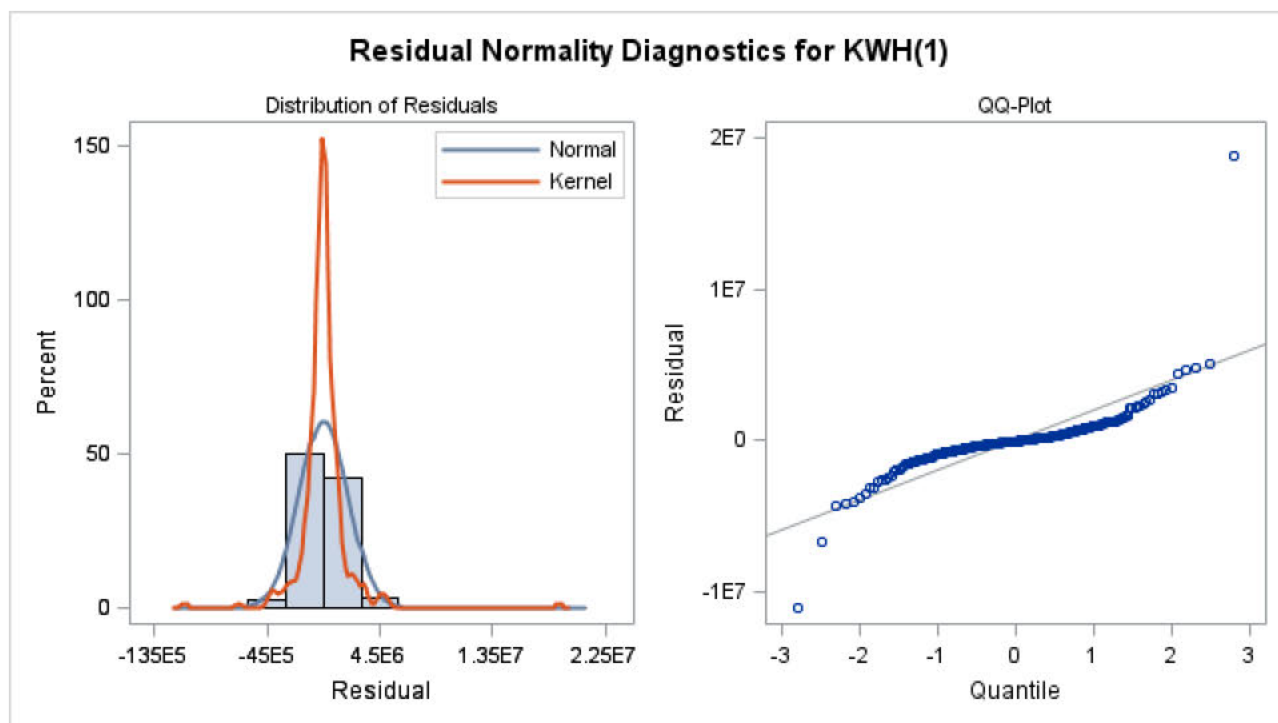
Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	17.80	5	0.0032	-0.070	-0.235	-0.082	0.023	-0.040	-0.046
12	22.35	11	0.0218	0.014	0.066	-0.082	-0.029	0.054	0.051
18	24.64	17	0.1031	-0.012	-0.051	0.018	-0.006	-0.071	0.020
24	25.21	23	0.3396	0.022	0.027	-0.022	0.008	0.016	0.009
30	26.93	29	0.5755	0.049	-0.028	-0.051	-0.017	-0.010	0.001
36	29.87	35	0.7140	0.013	0.048	0.004	-0.075	0.036	0.028
42	37.22	41	0.6395	-0.012	-0.056	-0.081	0.076	0.023	-0.093

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
48	39.79	47	0.7630	0.051	0.056	-0.021	0.022	0.019	-0.039





Model for variable KWH

Estimated Mean [REDACTED]
Period(s) of Differencing 1

Autoregressive Factors

Factor 1: $1 + 0.34465 B^{**}(1)$

Warning: The value of ID variable TIME is missing in observation 1.

Warning: The value of ID variable TIME is missing in observation 2.

Warning: There are gaps in the interval for observation 7 according to ID variable TIME.

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits
248	[REDACTED]	[REDACTED]	[REDACTED]
249	[REDACTED]	[REDACTED]	[REDACTED]

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits	
250	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
251	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
252	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
253	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
254	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
255	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
256	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
257	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
258	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
259	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
260	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
261	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
262	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
263	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
264	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
265	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
266	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
267	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
268	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
269	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
270	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
271	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
272	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
273	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
274	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
275	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
276	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
277	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits	
278				
279				
280				
281				
282				
283				

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The ARIMA Procedure
Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr > t	Lag
MU	3304584.1	68290.8	48.39	<.0001	0
AR1,1	0.70978	0.06462	10.98	<.0001	12

Constant Estimate	959058.3
Variance Estimate	
Std Error Estimate	
AIC	
SBC	
Number of Residuals	156

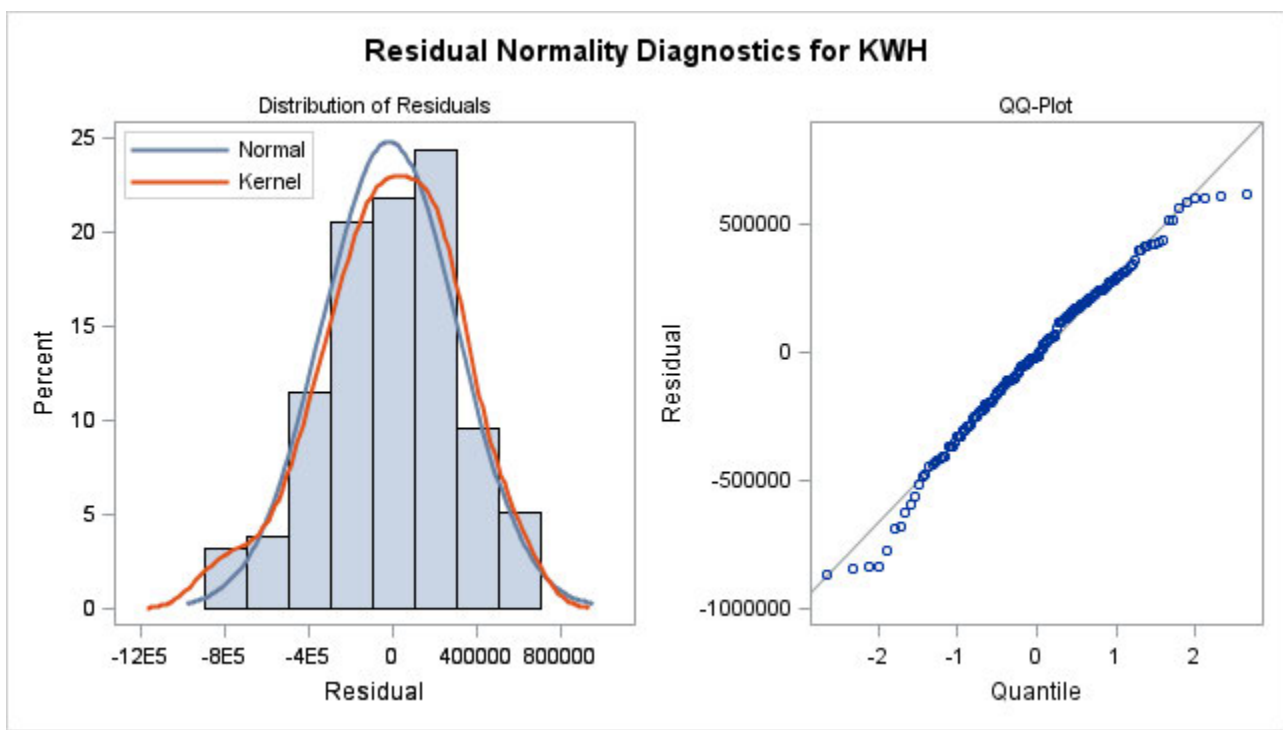
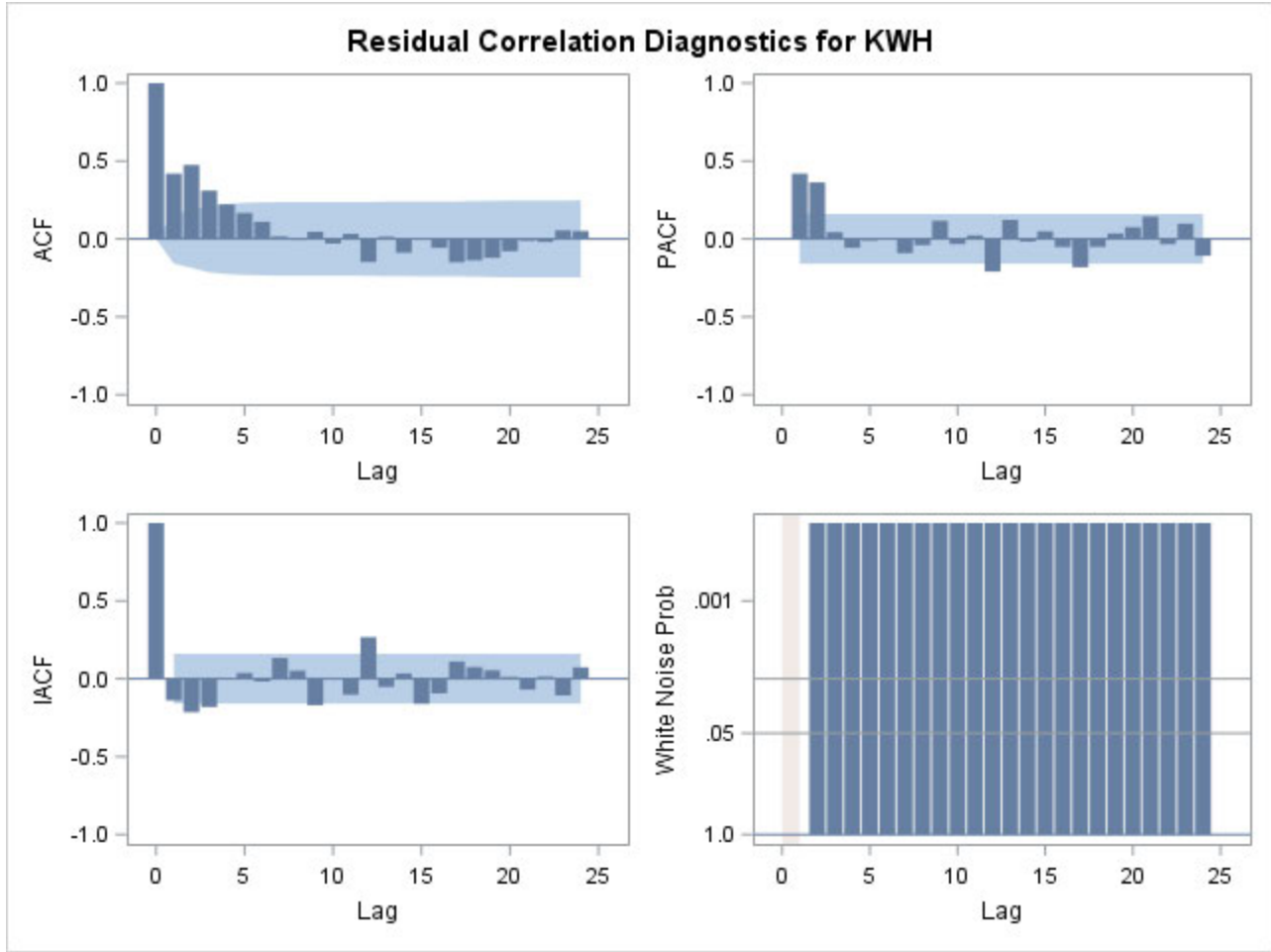
* AIC and SBC do not include log determinant.

Correlations of Parameter Estimates

Parameter	MU	AR1,1
MU	1.000	0.270
AR1,1	0.270	1.000

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	96.49	5	<.0001	0.422	0.479	0.315	0.227	0.173	0.117
12	100.73	11	<.0001	0.022	0.001	0.053	-0.022	0.041	-0.139
18	108.92	17	<.0001	0.023	-0.079	0.015	-0.049	-0.142	-0.130
24	113.61	23	<.0001	-0.113	-0.071	-0.004	-0.012	0.063	0.060
30	115.47	29	<.0001	0.023	0.042	-0.039	-0.070	-0.030	-0.013



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The ARIMA Procedure
Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr > t	Lag	Variable	Shift
MU	4301.8	68491.4	0.06	0.9500	0	KWH	0
MA1,1	-0.27752	0.09151	-3.03	0.0028	1	KWH	0
NUM1	-2708420.7	404643.6	-6.69	<.0001	0	hunt1	0
NUM2	-2485931.0	484420.1	-5.13	<.0001	0	hunt2	0

Constant Estimate	4301.791
Variance Estimate	
Std Error Estimate	
AIC	
SBC	
Number of Residuals	170

* AIC and SBC do not include log determinant.

Correlations of Parameter Estimates

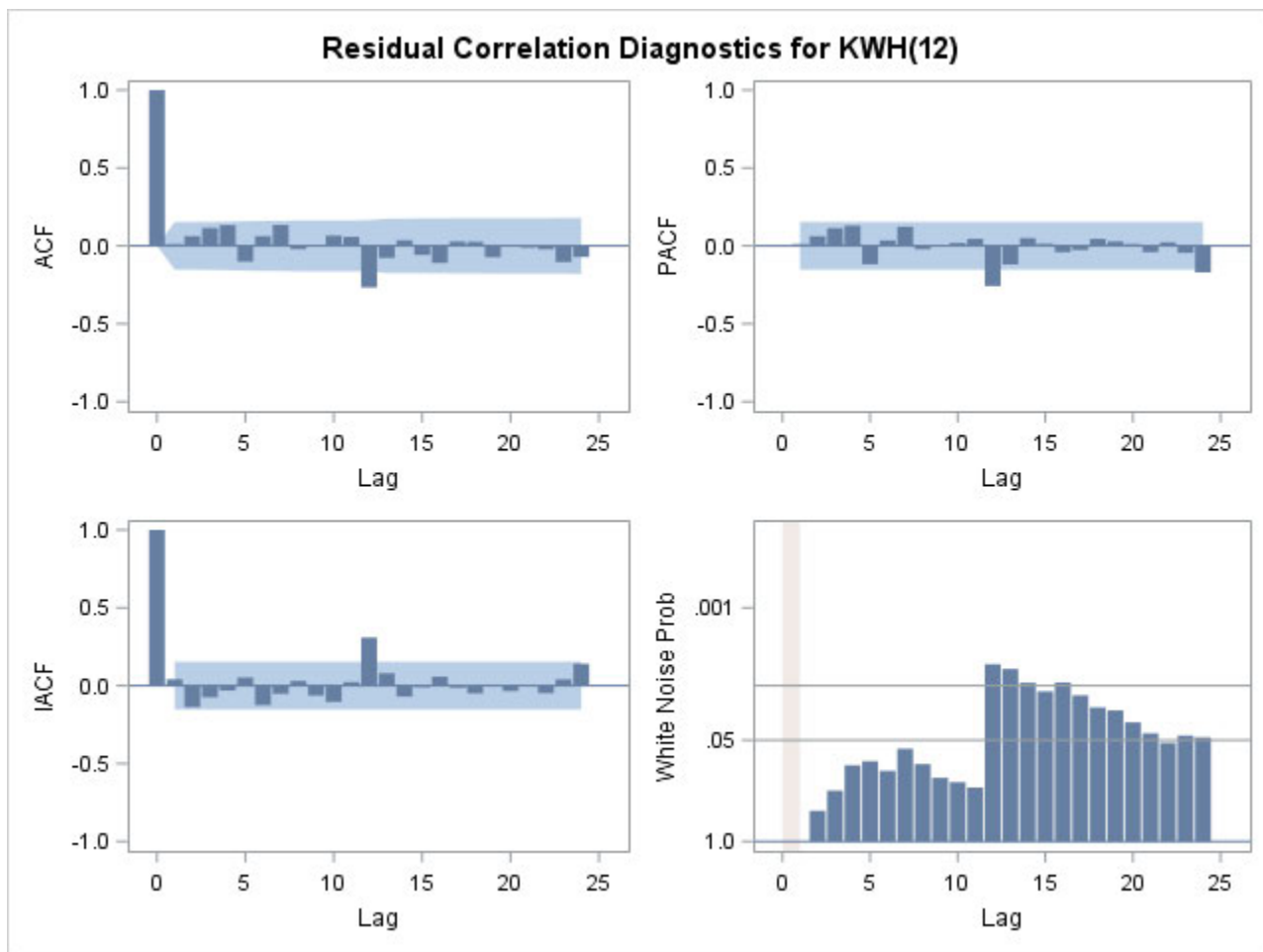
Variable Parameter	KWH MU	KWH MA1,1	hunt1 NUM1	hunt2 NUM2
KWH MU	1.000	-0.055	-0.073	0.011
KWH MA1,1	-0.055	1.000	0.558	-0.204
hunt1 NUM1	-0.073	0.558	1.000	-0.114
hunt2 NUM2	0.011	-0.204	-0.114	1.000

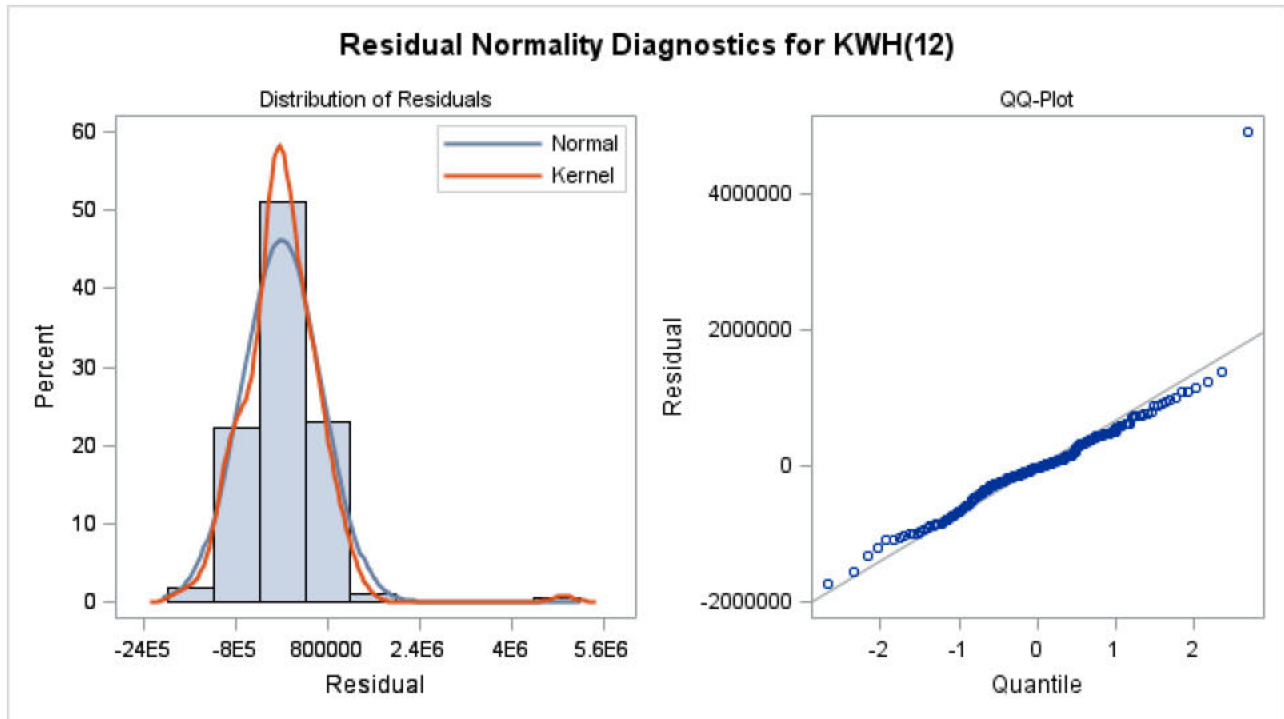
Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	8.72	5	0.1207	0.012	0.063	0.116	0.134	-0.101	0.063
12	26.63	11	0.0052	0.135	-0.021	-0.003	0.066	0.059	-0.266
18	31.18	17	0.0190	-0.077	0.037	-0.058	-0.109	0.029	0.027

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
24	35.49	23	0.0465	-0.073	0.005	-0.010	-0.022	-0.104	-0.071
30	38.30	29	0.1158	0.036	-0.025	-0.021	0.050	0.030	-0.089





Model for variable KWH

Estimated Intercept 4301.791
Period(s) of Differencing 12

Moving Average Factors

Factor 1: $1 + 0.27752 B^{**}(1)$

Input Number 1

Input Variable hunt1
Period(s) of Differencing 12
Overall Regression Factor -2708421

Input Number 2

Input Variable hunt2
Period(s) of Differencing 12
Overall Regression Factor -2485931

Warning: The value of ID variable TIME is missing in observation 1.

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits	
█	█	█	█	█
█	█	█	█	█
█	█	█	█	█
█	█	█	█	█
█	█	█	█	█
█	█	█	█	█
█	█	█	█	█
█	█	█	█	█

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
KPC	3.2			2008	7	7/1/2008
KPC	3.2			2008	8	8/1/2008
KPC	3.2			2008	9	9/1/2008
KPC	3.2			2008	10	10/1/2008
KPC	3.2			2008	11	11/1/2008
KPC	3.2			2008	12	12/1/2008
KPC	3.2			2009	1	1/1/2009
KPC	3.2			2009	2	2/1/2009
KPC	3.2			2009	3	3/1/2009
KPC	3.2			2009	4	4/1/2009
KPC	3.2			2009	5	5/1/2009
KPC	3.2			2009	6	6/1/2009
KPC	3.2			2009	7	7/1/2009
KPC	3.2			2009	8	8/1/2009
KPC	3.2			2009	9	9/1/2009
KPC	3.2			2009	10	10/1/2009
KPC	3.2			2009	11	11/1/2009
KPC	3.2			2009	12	12/1/2009
KPC	3.2			2010	1	1/1/2010
KPC	3.2			2010	2	2/1/2010
KPC	3.2			2010	3	3/1/2010
KPC	3.2			2010	4	4/1/2010
KPC	3.2			2010	5	5/1/2010
KPC	3.2			2010	6	6/1/2010
KPC	3.2			2010	7	7/1/2010
KPC	3.2			2010	8	8/1/2010
KPC	3.2			2010	9	9/1/2010
KPC	3.2			2010	10	10/1/2010
KPC	3.2			2010	11	11/1/2010
KPC	3.2			2010	12	12/1/2010
KPC	3.2			2011	1	1/1/2011
KPC	3.2			2011	2	2/1/2011
KPC	3.2			2011	3	3/1/2011
KPC	3.2			2011	4	4/1/2011
KPC	3.2			2011	5	5/1/2011
KPC	3.2			2011	6	6/1/2011

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
KPC	3.2			2011	7	7/1/2011
KPC	3.2			2011	8	8/1/2011
KPC	3.2			2011	9	9/1/2011
KPC	3.2			2011	10	10/1/2011
KPC	3.2			2011	11	11/1/2011
KPC	3.2			2011	12	12/1/2011
KPC	3.2			2012	1	1/1/2012
KPC	3.2			2012	2	2/1/2012
KPC	3.2			2012	3	3/1/2012
KPC	3.2			2012	4	4/1/2012
KPC	3.2			2012	5	5/1/2012
KPC	3.2			2012	6	6/1/2012
KPC	3.2			2012	7	7/1/2012
KPC	3.2			2012	8	8/1/2012
KPC	3.2			2012	9	9/1/2012
KPC	3.2			2012	10	10/1/2012
KPC	3.2			2012	11	11/1/2012
KPC	3.2			2012	12	12/1/2012
KPC	3.2			2013	1	1/1/2013
KPC	3.2			2013	2	2/1/2013
KPC	3.2			2013	3	3/1/2013
KPC	3.2			2013	4	4/1/2013
KPC	3.2			2013	5	5/1/2013
KPC	3.2			2013	6	6/1/2013
KPC	3.2			2013	7	7/1/2013
KPC	3.2			2013	8	8/1/2013
KPC	3.2			2013	9	9/1/2013
KPC	3.2			2013	10	10/1/2013
KPC	3.2			2013	11	11/1/2013
KPC	3.2			2013	12	12/1/2013
KPC	3.2			2014	1	1/1/2014
KPC	3.2			2014	2	2/1/2014
KPC	3.2			2014	3	3/1/2014
KPC	3.2			2014	4	4/1/2014
KPC	3.2			2014	5	5/1/2014
KPC	3.2			2014	6	6/1/2014

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
KPC	3.2			2014	7	7/1/2014
KPC	3.2			2014	8	8/1/2014
KPC	3.2			2014	9	9/1/2014
KPC	3.2			2014	10	10/1/2014
KPC	3.2			2014	11	11/1/2014
KPC	3.2			2014	12	12/1/2014
KPC	3.2			2015	1	1/1/2015
KPC	3.2			2015	2	2/1/2015
KPC	3.2			2015	3	3/1/2015
KPC	3.2			2015	4	4/1/2015
KPC	3.2			2015	5	5/1/2015
KPC	3.2			2015	6	6/1/2015
KPC	3.2			2015	7	7/1/2015
KPC	3.2			2015	8	8/1/2015
KPC	3.2			2015	9	9/1/2015
KPC	3.2			2015	10	10/1/2015
KPC	3.2			2015	11	11/1/2015
KPC	3.2			2015	12	12/1/2015
KPC	3.2			2016	1	1/1/2016
KPC	3.2			2016	2	2/1/2016
KPC	3.2			2016	3	3/1/2016
KPC	3.2			2016	4	4/1/2016
KPC	3.2			2016	5	5/1/2016
KPC	3.2			2016	6	6/1/2016
KPC	3.2			2016	7	7/1/2016
KPC	3.2			2016	8	8/1/2016
KPC	3.2			2016	9	9/1/2016
KPC	3.2			2016	10	10/1/2016
KPC	3.2			2016	11	11/1/2016
KPC	3.2			2016	12	12/1/2016
KPC	3.2			2017	1	1/1/2017
KPC	3.2			2017	2	2/1/2017
KPC	3.2			2017	3	3/1/2017
KPC	3.2			2017	4	4/1/2017
KPC	3.2			2017	5	5/1/2017
KPC	3.2			2017	6	6/1/2017

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
KPC	3.2			2017	7	7/1/2017
KPC	3.2			2017	8	8/1/2017
KPC	3.2			2017	9	9/1/2017
KPC	3.2			2017	10	10/1/2017
KPC	3.2			2017	11	11/1/2017
KPC	3.2			2017	12	12/1/2017
KPC	3.2			2018	1	1/1/2018
KPC	3.2			2018	2	2/1/2018
KPC	3.2			2018	3	3/1/2018
KPC	3.2			2018	4	4/1/2018
KPC	3.2			2018	5	5/1/2018
KPC	3.2			2018	6	6/1/2018
KPC	3.2			2018	7	7/1/2018
KPC	3.2			2018	8	8/1/2018
KPC	3.2			2018	9	9/1/2018
KPC	3.2			2018	10	10/1/2018
KPC	3.2			2018	11	11/1/2018
KPC	3.2			2018	12	12/1/2018
KPC	3.2			2019	1	1/1/2019
KPC	3.2			2019	2	2/1/2019
KPC	3.2			2019	3	3/1/2019
KPC	3.2			2019	4	4/1/2019
KPC	3.2			2019	5	5/1/2019
KPC	3.2			2019	6	6/1/2019
KPC	3.2			2019	7	7/1/2019
KPC	3.2			2019	8	8/1/2019
KPC	3.2			2019	9	9/1/2019
KPC	3.2			2019	10	10/1/2019
KPC	3.2			2019	11	11/1/2019
KPC	3.2			2019	12	12/1/2019
KPC	3.2			2020	1	1/1/2020
KPC	3.2			2020	2	2/1/2020
KPC	3.2			2020	3	3/1/2020
KPC	3.2			2020	4	4/1/2020
KPC	3.2			2020	5	5/1/2020
KPC	3.2			2020	6	6/1/2020

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
KPC	3.2			2020	7	7/1/2020
KPC	3.2			2020	8	8/1/2020
KPC	3.2			2020	9	9/1/2020
KPC	3.2			2020	10	10/1/2020
KPC	3.2			2020	11	11/1/2020
KPC	3.2			2020	12	12/1/2020
KPC	3.2			2021	1	1/1/2021
KPC	3.2			2021	2	2/1/2021
KPC	3.2			2021	3	3/1/2021
KPC	3.2			2021	4	4/1/2021
KPC	3.2			2021	5	5/1/2021
KPC	3.2			2021	6	6/1/2021
KPC	3.2			2021	7	7/1/2021
KPC	3.2			2021	8	8/1/2021
KPC	3.2			2021	9	9/1/2021
KPC	3.2			2021	10	10/1/2021
KPC	3.2			2021	11	11/1/2021
KPC	3.2			2021	12	12/1/2021
KPC	3.2			2022	1	1/1/2022
KPC	3.2			1995	12	12/1/1995
KPC	3.2			1996	1	1/1/1996
KPC	3.2			1997	7	7/1/1997
KPC	3.2			1998	2	2/1/1998
KPC	3.2			1998	3	3/1/1998
KPC	3.2			1999	1	1/1/1999
KPC	3.2			1999	2	2/1/1999
KPC	3.2			1999	3	3/1/1999
KPC	3.2			1999	4	4/1/1999
KPC	3.2			1999	5	5/1/1999
KPC	3.2			1999	6	6/1/1999
KPC	3.2			1999	7	7/1/1999
KPC	3.2			1999	8	8/1/1999
KPC	3.2			1999	9	9/1/1999
KPC	3.2			1999	10	10/1/1999

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
KPC	3.2				1999	11 11/1/1999
KPC	3.2				1999	12 12/1/1999
KPC	3.2				2000	1 1/1/2000
KPC	3.2				2000	2 2/1/2000
KPC	3.2				2000	3 3/1/2000
KPC	3.2				2000	4 4/1/2000
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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Kentucky Power Company
 Large Industrial Customer Models Output Data

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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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Kentucky Power Company
 Large Industrial Customer Models Output Data

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 Large Industrial Customer Models Output Data

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 Large Industrial Customer Models Output Data

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 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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KPC	3.2			2010	10	10/1/2010
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JURIS	revcls	acctno	name	year	month	time
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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Kentucky Power Company
 Large Industrial Customer Models Output Data

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KPC	3.2			2020	12	12/1/2020
KPC	3.2			2021	1	1/1/2021
KPC	3.2			2021	2	2/1/2021
KPC	3.2			2021	3	3/1/2021
KPC	3.2			2021	4	4/1/2021

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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KPC	3.2			2021	9	9/1/2021
KPC	3.2			2021	10	10/1/2021
KPC	3.2			2021	11	11/1/2021
KPC	3.2			2021	12	12/1/2021
KPC	3.2			2022	1	1/1/2022
KPC	3.2			2007	1	1/1/2007
KPC	3.2			2007	2	2/1/2007
KPC	3.2			2007	3	3/1/2007
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KPC	3.2			2007	6	6/1/2007
KPC	3.2			2007	7	7/1/2007
KPC	3.2			2007	8	8/1/2007
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KPC	3.2			2008	11	11/1/2008
KPC	3.2			2008	12	12/1/2008
KPC	3.2			2009	1	1/1/2009
KPC	3.2			2009	2	2/1/2009

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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KPC	3.2			2011	12	12/1/2011
KPC	3.2			2012	1	1/1/2012
KPC	3.2			2012	2	2/1/2012

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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KPC	3.2			2012	5	5/1/2012
KPC	3.2			2012	6	6/1/2012
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KPC	3.2			2014	10	10/1/2014
KPC	3.2			2014	11	11/1/2014
KPC	3.2			2014	12	12/1/2014
KPC	3.2			2015	1	1/1/2015

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
KPC	3.2			2015	2	2/1/2015
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KPC	3.2			2017	10	10/1/2017
KPC	3.2			2017	11	11/1/2017
KPC	3.2			2017	12	12/1/2017
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
KPC	3.2			2018	2	2/1/2018
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 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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KPC	3.2			2007	11	11/1/2007
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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KPC	3.2			2016	11	11/1/2016
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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KPC	3.2			2010	1	1/1/2010

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 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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KPC	3.2			2012	11	11/1/2012
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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KPC	3.2			2015	11	11/1/2015
KPC	3.2			2015	12	12/1/2015
KPC	3.2			2016	1	1/1/2016

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 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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KPC	3.2			2018	10	10/1/2018
KPC	3.2			2018	11	11/1/2018
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 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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JURIS	revcls	acctno	name	year	month	time
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JURIS	revcls	acctno	name	year	month	time
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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JURIS	revcls	acctno	name	year	month	time
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 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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 Large Industrial Customer Models Output Data

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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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 Large Industrial Customer Models Output Data

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 Large Industrial Customer Models Output Data

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 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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 Large Industrial Customer Models Output Data

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KPC	3.2			2011	12	12/1/2011
KPC	3.2			2012	1	1/1/2012
KPC	3.2			2012	2	2/1/2012
KPC	3.2			2012	3	3/1/2012
KPC	3.2			2012	4	4/1/2012
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Kentucky Power Company
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JURIS	revcls	acctno	name	year	month	time
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KPC	3.2			2012	11	11/1/2012
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KPC	3.2			2013	2	2/1/2013
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KPC	3.2			2013	4	4/1/2013
KPC	3.2			2013	5	5/1/2013
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KPC	3.2			2013	11	11/1/2013
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KPC	3.2			2015	2	2/1/2015
KPC	3.2			2015	3	3/1/2015
KPC	3.2			2015	4	4/1/2015
KPC	3.2			2015	5	5/1/2015

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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KPC	3.2			2018	2	2/1/2018
KPC	3.2			2018	3	3/1/2018
KPC	3.2			2018	4	4/1/2018
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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KPC	3.2			2020	11	11/1/2020
KPC	3.2			2020	12	12/1/2020
KPC	3.2			2021	1	1/1/2021
KPC	3.2			2021	2	2/1/2021
KPC	3.2			2021	3	3/1/2021
KPC	3.2			2021	4	4/1/2021
KPC	3.2			2021	5	5/1/2021

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	time
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KPC		3.2			2021	8 8/1/2021
KPC		3.2			2021	9 9/1/2021
KPC		3.2			2021	10 10/1/2021
KPC		3.2			2021	11 11/1/2021
KPC		3.2			2021	12 12/1/2021
KPC		3.2			2022	1 1/1/2022
KPC		3.2				

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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KPC	3.2			2010	5	
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KPC	3.2			2010	9	
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KPC	3.2			2010	11	
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KPC	3.2			2011	4	
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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KPC	3.2			2014	2	
KPC	3.2			2014	3	
KPC	3.2			2014	4	
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Kentucky Power Company
Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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KPC		3.2		2017	3	
KPC		3.2		2017	4	
KPC		3.2		2017	5	
KPC		3.2		2017	6	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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KPC	3.2			2020	4	
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KPC	3.2			2020	6	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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JURIS	revcls	acctno	name	year	month	KWH
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JURIS	revcls	acctno	name	year	month	KWH
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Kentucky Power Company
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JURIS	revcls	acctno	name	year	month	KWH
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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Kentucky Power Company
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JURIS	revcls	acctno	name	year	month	KWH
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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Kentucky Power Company
Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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Kentucky Power Company
Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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KPC	3.2			2017	12	
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KPC	3.2			2018	3	
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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KPC	3.2			2021	3	
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Kentucky Power Company
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JURIS	revcls	acctno	name	year	month	KWH
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KPC	3.2			2008	11	
KPC	3.2			2008	12	
KPC	3.2			2009	1	
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Kentucky Power Company
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JURIS	revcls	acctno	name	year	month	KWH
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KPC	3.2			2011	11	
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KPC	3.2			2012	1	
KPC	3.2			2012	2	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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KPC	3.2			2020	12	
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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Kentucky Power Company
 Large Industrial Customer Models Output Data

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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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KPC	3.2			2012	10	
KPC	3.2			2012	11	
KPC	3.2			2012	12	
KPC	3.2			2013	1	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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KPC	3.2			2015	10	
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KPC	3.2			2015	12	
KPC	3.2			2016	1	

Kentucky Power Company
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JURIS	revcls	acctno	name	year	month	KWH
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KPC	3.2			2018	9	
KPC	3.2			2018	10	
KPC	3.2			2018	11	
KPC	3.2			2018	12	
KPC	3.2			2019	1	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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KPC	3.2			2020	11	
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KPC	3.2			2021	9	
KPC	3.2			2021	10	
KPC	3.2			2021	11	
KPC	3.2			2021	12	
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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KPC	3.2			2002	8	
KPC	3.2			2002	9	
KPC	3.2			2002	10	
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KPC	3.2			2002	12	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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KPC	3.2			2005	10	
KPC	3.2			2005	11	
KPC	3.2			2005	12	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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KPC	3.2			2006	8	
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KPC	3.2			2008	10	
KPC	3.2			2008	11	
KPC	3.2			2008	12	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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KPC	3.2			2009	10	
KPC	3.2			2009	11	
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KPC	3.2			2011	12	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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KPC	3.2			2017	12	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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KPC	3.2			2020	8	
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KPC	3.2			2020	10	
KPC	3.2			2020	11	
KPC	3.2			2020	12	

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JURIS	revcls	acctno	name	year	month	KWH
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KPC	3.2			2005	9	
KPC	3.2			2005	10	
KPC	3.2			2005	11	

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JURIS	revcls	acctno	name	year	month	KWH
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KPC	3.2			2008	10	
KPC	3.2			2008	11	

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JURIS	revcls	acctno	name	year	month	KWH
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KPC	3.2			2011	11	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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KPC	3.2			2014	11	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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KPC	3.2			2016	11	
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KPC	3.2			2017	10	
KPC	3.2			2017	11	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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KPC	3.2			2018	9	
KPC	3.2			2018	10	
KPC	3.2			2018	11	
KPC	3.2			2018	12	
KPC	3.2			2019	1	
KPC	3.2			2019	2	
KPC	3.2			2019	3	
KPC	3.2			2019	4	
KPC	3.2			2019	5	
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KPC	3.2			2019	8	
KPC	3.2			2019	9	
KPC	3.2			2019	10	
KPC	3.2			2019	11	
KPC	3.2			2019	12	
KPC	3.2			2020	1	
KPC	3.2			2020	2	
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KPC	3.2			2020	4	
KPC	3.2			2020	5	
KPC	3.2			2020	6	
KPC	3.2			2020	7	
KPC	3.2			2020	8	
KPC	3.2			2020	9	
KPC	3.2			2020	10	
KPC	3.2			2020	11	
KPC	3.2			2020	12	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
KPC	3.2			2020	12	
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KPC	3.2			2021	2	
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KPC	3.2			2021	9	
KPC	3.2			2021	10	
KPC	3.2			2021	11	
KPC	3.2			2021	12	
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KPC	3.2			1999	3	
KPC	3.2			1999	4	
KPC	3.2			1999	5	
KPC	3.2			1999	6	
KPC	3.2			1999	7	
KPC	3.2			1999	8	
KPC	3.2			1999	9	
KPC	3.2			1999	10	
KPC	3.2			1999	11	
KPC	3.2			1999	12	
KPC	3.2			2000	1	
KPC	3.2			2000	2	
KPC	3.2			2000	3	
KPC	3.2			2000	4	
KPC	3.2			2000	5	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
KPC	3.2			2000	6	
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KPC	3.2			2000	12	
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KPC	3.2			2001	2	
KPC	3.2			2001	3	
KPC	3.2			2001	4	
KPC	3.2			2001	5	
KPC	3.2			2001	6	
KPC	3.2			2001	7	
KPC	3.2			2001	8	
KPC	3.2			2001	9	
KPC	3.2			2001	10	
KPC	3.2			2001	11	
KPC	3.2			2001	12	
KPC	3.2			2002	1	
KPC	3.2			2002	2	
KPC	3.2			2002	3	
KPC	3.2			2002	4	
KPC	3.2			2002	5	
KPC	3.2			2002	6	
KPC	3.2			2002	7	
KPC	3.2			2002	8	
KPC	3.2			2002	9	
KPC	3.2			2002	10	
KPC	3.2			2002	11	
KPC	3.2			2002	12	
KPC	3.2			2003	1	
KPC	3.2			2003	2	
KPC	3.2			2003	3	
KPC	3.2			2003	4	
KPC	3.2			2003	5	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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KPC	3.2			2003	11	
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KPC	3.2			2004	3	
KPC	3.2			2004	4	
KPC	3.2			2004	5	
KPC	3.2			2004	6	
KPC	3.2			2004	7	
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KPC	3.2			2004	9	
KPC	3.2			2004	10	
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KPC	3.2			2005	5	
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KPC	3.2			2005	7	
KPC	3.2			2005	8	
KPC	3.2			2005	9	
KPC	3.2			2005	10	
KPC	3.2			2005	11	
KPC	3.2			2005	12	
KPC	3.2			2006	1	
KPC	3.2			2006	2	
KPC	3.2			2006	3	
KPC	3.2			2006	4	
KPC	3.2			2006	5	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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KPC	3.2			2007	2	
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KPC	3.2			2007	4	
KPC	3.2			2007	5	
KPC	3.2			2007	6	
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KPC	3.2			2007	8	
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KPC	3.2			2008	8	
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KPC	3.2			2008	11	
KPC	3.2			2008	12	
KPC	3.2			2009	1	
KPC	3.2			2009	2	
KPC	3.2			2009	3	
KPC	3.2			2009	4	
KPC	3.2			2009	5	

Kentucky Power Company
Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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KPC		3.2		2010	3	
KPC		3.2		2010	4	
KPC		3.2		2010	5	
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KPC		3.2		2010	9	
KPC		3.2		2010	10	
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KPC		3.2		2011	2	
KPC		3.2		2011	3	
KPC		3.2		2011	4	
KPC		3.2		2011	5	
KPC		3.2		2011	6	
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KPC		3.2		2011	8	
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KPC		3.2		2012	2	
KPC		3.2		2012	3	
KPC		3.2		2012	4	
KPC		3.2		2012	5	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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KPC	3.2			2013	4	
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KPC	3.2			2014	4	
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KPC	3.2			2015	5	

Kentucky Power Company
Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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KPC		3.2		2018	2	
KPC		3.2		2018	3	
KPC		3.2		2018	4	
KPC		3.2		2018	5	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	KWH
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KPC	3.2			2021	1	
KPC	3.2			2021	2	
KPC	3.2			2021	3	
KPC	3.2			2021	4	
KPC	3.2			2021	5	

Kentucky Power Company
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JURIS	revcls	acctno	name	year	month	L95
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KPC		3.2			2009	1
KPC		3.2			2009	2
KPC		3.2			2009	3
KPC		3.2			2009	4
KPC		3.2			2009	5
KPC		3.2			2009	6
KPC		3.2			2009	7
KPC		3.2			2009	8
KPC		3.2			2009	9
KPC		3.2			2009	10
KPC		3.2			2009	11
KPC		3.2			2009	12
KPC		3.2			2010	1
KPC		3.2			2010	2
KPC		3.2			2010	3
KPC		3.2			2010	4
KPC		3.2			2010	5
KPC		3.2			2010	6
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KPC		3.2			2010	11
KPC		3.2			2010	12
KPC		3.2			2011	1
KPC		3.2			2011	2
KPC		3.2			2011	3
KPC		3.2			2011	4
KPC		3.2			2011	5
KPC		3.2			2011	6

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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KPC	3.2			2014	3	
KPC	3.2			2014	4	
KPC	3.2			2014	5	
KPC	3.2			2014	6	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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KPC	3.2			2017	4	
KPC	3.2			2017	5	
KPC	3.2			2017	6	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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KPC	3.2			2020	6	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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KPC	3.2			1999	5	
KPC	3.2			1999	6	
KPC	3.2			1999	7	
KPC	3.2			1999	8	
KPC	3.2			1999	9	
KPC	3.2			1999	10	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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KPC	3.2			2000	6	
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KPC	3.2			2000	8	
KPC	3.2			2000	9	
KPC	3.2			2000	10	
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JURIS	revcls	acctno	name	year	month	L95
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JURIS	revcls	acctno	name	year	month	L95
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Kentucky Power Company
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JURIS	revcls	acctno	name	year	month	L95
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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KPC	3.2			2014	4	
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Kentucky Power Company
Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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KPC		3.2		2017	4	
KPC		3.2		2017	5	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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KPC	3.2			2020	4	
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Kentucky Power Company
Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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KPC		3.2			1999	12
KPC		3.2			2000	1
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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KPC	3.2			2003	3	
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Kentucky Power Company
Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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KPC	3.2			2022	1	
KPC	3.2			1999	1	
KPC	3.2			1999	2	
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KPC	3.2			2000	5	
KPC	3.2			2000	6	
KPC	3.2			2000	7	
KPC	3.2			2000	8	
KPC	3.2			2000	9	

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JURIS	revcls	acctno	name	year	month	L95
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KPC	3.2			2001	1	
KPC	3.2			2001	2	
KPC	3.2			2001	3	
KPC	3.2			2001	4	
KPC	3.2			2001	5	
KPC	3.2			2001	6	
KPC	3.2			2001	7	
KPC	3.2			2001	8	
KPC	3.2			2001	9	
KPC	3.2			2001	10	
KPC	3.2			2001	11	
KPC	3.2			2001	12	
KPC	3.2			2002	1	
KPC	3.2			2002	2	
KPC	3.2			2002	3	
KPC	3.2			2002	4	
KPC	3.2			2002	5	
KPC	3.2			2002	6	
KPC	3.2			2002	7	
KPC	3.2			2002	8	
KPC	3.2			2002	9	
KPC	3.2			2002	10	
KPC	3.2			2002	11	
KPC	3.2			2002	12	
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KPC	3.2			2003	2	
KPC	3.2			2003	3	
KPC	3.2			2003	4	
KPC	3.2			2003	5	
KPC	3.2			2003	6	
KPC	3.2			2003	7	
KPC	3.2			2003	8	
KPC	3.2			2003	9	

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JURIS	revcls	acctno	name	year	month	L95
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KPC		3.2			2004	11
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KPC		3.2			2006	6
KPC		3.2			2006	7
KPC		3.2			2006	8
KPC		3.2			2006	9

Kentucky Power Company
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JURIS	revcls	acctno	name	year	month	L95
KPC	3.2			2006	10	
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KPC	3.2			2006	12	
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KPC	3.2			2007	3	
KPC	3.2			2007	4	
KPC	3.2			2007	5	
KPC	3.2			2007	6	
KPC	3.2			2007	7	
KPC	3.2			2007	8	
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KPC	3.2			2007	10	
KPC	3.2			2007	11	
KPC	3.2			2007	12	
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KPC	3.2			2009	5	
KPC	3.2			2009	6	
KPC	3.2			2009	7	
KPC	3.2			2009	8	
KPC	3.2			2009	9	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
KPC	3.2			2009	10	
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KPC	3.2			2010	8	
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KPC	3.2			2010	10	
KPC	3.2			2010	11	
KPC	3.2			2010	12	
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KPC	3.2			2011	6	
KPC	3.2			2011	7	
KPC	3.2			2011	8	
KPC	3.2			2011	9	
KPC	3.2			2011	10	
KPC	3.2			2011	11	
KPC	3.2			2011	12	
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KPC	3.2			2012	3	
KPC	3.2			2012	4	
KPC	3.2			2012	5	
KPC	3.2			2012	6	
KPC	3.2			2012	7	
KPC	3.2			2012	8	
KPC	3.2			2012	8	

Kentucky Power Company
Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
KPC		3.2		2012	9	
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KPC		3.2		2012	11	
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KPC		3.2		2013	5	
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KPC		3.2		2013	11	
KPC		3.2		2013	12	
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KPC		3.2		2014	2	
KPC		3.2		2014	3	
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KPC		3.2		2014	9	
KPC		3.2		2014	10	
KPC		3.2		2014	11	
KPC		3.2		2014	12	
KPC		3.2		2015	1	
KPC		3.2		2015	2	
KPC		3.2		2015	3	
KPC		3.2		2015	4	

Kentucky Power Company
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JURIS	revcls	acctno	name	year	month	L95
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KPC	3.2			2015	12	
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KPC	3.2			2016	3	
KPC	3.2			2016	4	
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KPC	3.2			2016	7	
KPC	3.2			2016	8	
KPC	3.2			2016	9	
KPC	3.2			2016	10	
KPC	3.2			2016	11	
KPC	3.2			2016	12	
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KPC	3.2			2017	2	
KPC	3.2			2017	3	
KPC	3.2			2017	4	
KPC	3.2			2017	5	
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KPC	3.2			2017	9	
KPC	3.2			2017	10	
KPC	3.2			2017	11	
KPC	3.2			2017	12	
KPC	3.2			2018	1	
KPC	3.2			2018	2	
KPC	3.2			2018	3	
KPC	3.2			2018	4	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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KPC	3.2			2019	7	
KPC	3.2			2019	8	
KPC	3.2			2019	9	
KPC	3.2			2019	10	
KPC	3.2			2019	11	
KPC	3.2			2019	12	
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KPC	3.2			2020	2	
KPC	3.2			2020	3	
KPC	3.2			2020	4	
KPC	3.2			2020	5	
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KPC	3.2			2020	9	
KPC	3.2			2020	10	
KPC	3.2			2020	11	
KPC	3.2			2020	12	
KPC	3.2			2021	1	
KPC	3.2			2021	2	
KPC	3.2			2021	3	
KPC	3.2			2021	4	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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KPC	3.2			2008	11	
KPC	3.2			2008	12	
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KPC	3.2			2009	2	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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KPC	3.2			2011	11	
KPC	3.2			2011	12	
KPC	3.2			2012	1	
KPC	3.2			2012	2	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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KPC	3.2			2014	10	
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KPC	3.2			2014	12	
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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KPC	3.2			2017	10	
KPC	3.2			2017	11	
KPC	3.2			2017	12	
KPC	3.2			2018	1	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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KPC	3.2			2020	11	
KPC	3.2			2020	12	
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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KPC	3.2			2007	2	
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KPC	3.2			2007	10	
KPC	3.2			2007	11	
KPC	3.2			2007	12	
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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KPC	3.2			2009	11	
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KPC	3.2			2010	2	
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KPC	3.2			2010	10	
KPC	3.2			2010	11	
KPC	3.2			2010	12	
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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JURIS	revcls	acctno	name	year	month	L95
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JURIS	revcls	acctno	name	year	month	L95
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JURIS	revcls	acctno	name	year	month	L95
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JURIS	revcls	acctno	name	year	month	L95
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JURIS	revcls	acctno	name	year	month	L95
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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Kentucky Power Company
 Large Industrial Customer Models Output Data

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JURIS	revcls	acctno	name	year	month	L95
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Kentucky Power Company
 Large Industrial Customer Models Output Data

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Kentucky Power Company
 Large Industrial Customer Models Output Data

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 Large Industrial Customer Models Output Data

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KPC	3.2			2020	9	
KPC	3.2			2020	10	
KPC	3.2			2020	11	
KPC	3.2			2020	12	

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JURIS	revcls	acctno	name	year	month	L95
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KPC	3.2			2021	9	
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KPC	3.2			2021	11	
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KPC	3.2			2022	1	
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KPC	3.2			2004	3	
KPC	3.2			2004	4	
KPC	3.2			2004	5	
KPC	3.2			2004	6	
KPC	3.2			2004	7	
KPC	3.2			2004	8	
KPC	3.2			2004	9	
KPC	3.2			2004	10	
KPC	3.2			2004	11	
KPC	3.2			2004	12	
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KPC	3.2			2005	4	
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KPC	3.2			2005	6	
KPC	3.2			2005	7	
KPC	3.2			2005	8	
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KPC	3.2			2005	10	
KPC	3.2			2005	11	

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JURIS	revcls	acctno	name	year	month	L95
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KPC	3.2			2006	10	
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KPC	3.2			2007	8	
KPC	3.2			2007	9	
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KPC	3.2			2008	10	
KPC	3.2			2008	11	

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JURIS	revcls	acctno	name	year	month	L95
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KPC	3.2			2010	8	
KPC	3.2			2010	9	
KPC	3.2			2010	10	
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KPC	3.2			2011	9	
KPC	3.2			2011	10	
KPC	3.2			2011	11	

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JURIS	revcls	acctno	name	year	month	L95
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KPC	3.2			2012	10	
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KPC	3.2			2013	9	
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KPC	3.2			2014	7	
KPC	3.2			2014	8	
KPC	3.2			2014	9	
KPC	3.2			2014	10	
KPC	3.2			2014	11	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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KPC	3.2			2016	8	
KPC	3.2			2016	9	
KPC	3.2			2016	10	
KPC	3.2			2016	11	
KPC	3.2			2016	12	
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KPC	3.2			2017	2	
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KPC	3.2			2017	6	
KPC	3.2			2017	7	
KPC	3.2			2017	8	
KPC	3.2			2017	9	
KPC	3.2			2017	10	
KPC	3.2			2017	11	

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 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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KPC	3.2			2018	9	
KPC	3.2			2018	10	
KPC	3.2			2018	11	
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KPC	3.2			2020	11	
KPC	3.2			2020	12	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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KPC	3.2			2000	3	
KPC	3.2			2000	4	
KPC	3.2			2000	5	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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KPC	3.2			2003	4	
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Kentucky Power Company
Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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Kentucky Power Company
Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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KPC		3.2		2012	3	
KPC		3.2		2012	4	
KPC		3.2		2012	5	

Kentucky Power Company
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JURIS	revcls	acctno	name	year	month	L95
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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Kentucky Power Company
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JURIS	revcls	acctno	name	year	month	L95
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KPC	3.2			2021	3	
KPC	3.2			2021	4	
KPC	3.2			2021	5	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	L95
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KPC		3.2				

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JURIS	revcls	acctno	name	year	month	U95
KPC		3.2		2008	7	
KPC		3.2		2008	8	
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	U95
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	U95
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	U95
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	U95
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	U95
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	U95
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	U95
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	U95
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	U95
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	U95
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	U95
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	U95
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Kentucky Power Company
Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	U95
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	U95
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	U95
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KPC	3.2				2008	2
KPC	3.2				2008	3
KPC	3.2				2008	4
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KPC	3.2				2008	11
KPC	3.2				2008	12
KPC	3.2				2009	1
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Kentucky Power Company
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JURIS	revcls	acctno	name	year	month	U95
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KPC		3.2		2011	12	
KPC		3.2		2012	1	
KPC		3.2		2012	2	
KPC		3.2		2012	3	
KPC		3.2		2012	4	

Kentucky Power Company
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JURIS	revcls	acctno	name	year	month	U95
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KPC		3.2			2012	10
KPC		3.2			2012	11
KPC		3.2			2012	11
KPC		3.2			2012	12
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KPC		3.2			2013	12
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KPC		3.2			2014	7
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KPC		3.2			2014	10
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JURIS	revcls	acctno	name	year	month	U95
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KPC	3.2			2016	8	
KPC	3.2			2016	9	
KPC	3.2			2016	10	
KPC	3.2			2016	11	
KPC	3.2			2016	12	
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KPC	3.2			2017	6	
KPC	3.2			2017	7	
KPC	3.2			2017	8	
KPC	3.2			2017	9	
KPC	3.2			2017	10	
KPC	3.2			2017	11	

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JURIS	revcls	acctno	name	year	month	U95
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KPC	3.2			2018	7	
KPC	3.2			2018	8	
KPC	3.2			2018	9	
KPC	3.2			2018	10	
KPC	3.2			2018	11	
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KPC	3.2			2019	11	
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KPC	3.2			2020	7	
KPC	3.2			2020	8	
KPC	3.2			2020	9	
KPC	3.2			2020	10	
KPC	3.2			2020	11	
KPC	3.2			2020	12	

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JURIS	revcls	acctno	name	year	month	U95
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KPC	3.2			2021	7	
KPC	3.2			2021	8	
KPC	3.2			2021	9	
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KPC	3.2			1999	7	
KPC	3.2			1999	8	
KPC	3.2			1999	9	
KPC	3.2			1999	10	
KPC	3.2			1999	11	
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KPC	3.2			2000	4	
KPC	3.2			2000	5	
KPC	3.2			2000	6	
KPC	3.2			2000	7	
KPC	3.2			2000	8	
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Kentucky Power Company
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JURIS	revcls	acctno	name	year	month	U95
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KPC		3.2			2001	6
KPC		3.2			2001	7
KPC		3.2			2001	8
KPC		3.2			2001	9
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KPC		3.2			2001	11
KPC		3.2			2001	12
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KPC		3.2			2002	5
KPC		3.2			2002	6
KPC		3.2			2002	7
KPC		3.2			2002	8
KPC		3.2			2002	9
KPC		3.2			2002	10
KPC		3.2			2002	11
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KPC		3.2			2003	6
KPC		3.2			2003	7
KPC		3.2			2003	8
KPC		3.2			2003	9

Kentucky Power Company
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JURIS	revcls	acctno	name	year	month	U95
KPC		3.2			2003	10
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KPC		3.2			2004	7
KPC		3.2			2004	8
KPC		3.2			2004	9
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KPC		3.2			2004	11
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KPC		3.2			2005	3
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KPC		3.2			2005	7
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KPC		3.2			2005	9
KPC		3.2			2005	10
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KPC		3.2			2006	4
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KPC		3.2			2006	6
KPC		3.2			2006	7
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KPC		3.2			2006	9

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	U95
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KPC	3.2			2007	8	
KPC	3.2			2007	9	
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KPC	3.2			2008	4	
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KPC	3.2			2009	4	
KPC	3.2			2009	5	
KPC	3.2			2009	6	
KPC	3.2			2009	7	
KPC	3.2			2009	8	
KPC	3.2			2009	9	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	U95
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KPC	3.2			2010	8	
KPC	3.2			2010	9	
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KPC	3.2			2011	7	
KPC	3.2			2011	8	
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KPC	3.2			2012	3	
KPC	3.2			2012	4	
KPC	3.2			2012	5	
KPC	3.2			2012	6	
KPC	3.2			2012	7	
KPC	3.2			2012	8	
KPC	3.2			2012	8	

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JURIS	revcls	acctno	name	year	month	U95
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KPC		3.2			2012	11
KPC		3.2			2012	12
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KPC		3.2			2013	6
KPC		3.2			2013	7
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KPC		3.2			2013	10
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KPC		3.2			2013	12
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KPC		3.2			2014	12
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KPC		3.2			2015	2
KPC		3.2			2015	3
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	U95
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KPC	3.2				2016	7
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KPC	3.2				2017	11
KPC	3.2				2017	12
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JURIS	revcls	acctno	name	year	month	U95
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KPC	3.2			2020	12	
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KPC	3.2			2021	2	
KPC	3.2			2021	3	
KPC	3.2			2021	4	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	U95
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	U95
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	U95
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KPC	3.2			2014	10	
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KPC	3.2			2014	12	
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JURIS	revcls	acctno	name	year	month	U95
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KPC	3.2				2015	10
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KPC	3.2				2016	1
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KPC	3.2				2016	3
KPC	3.2				2016	4
KPC	3.2				2016	5
KPC	3.2				2016	6
KPC	3.2				2016	7
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KPC	3.2				2016	10
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KPC	3.2				2016	12
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KPC	3.2				2017	5
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KPC	3.2				2017	10
KPC	3.2				2017	11
KPC	3.2				2017	12
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JURIS	revcls	acctno	name	year	month	U95
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KPC	3.2			2018	9	
KPC	3.2			2018	10	
KPC	3.2			2018	11	
KPC	3.2			2018	12	
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KPC	3.2			2020	10	
KPC	3.2			2020	11	
KPC	3.2			2020	12	
KPC	3.2			2021	1	

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JURIS	revcls	acctno	name	year	month	U95
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KPC	3.2				2021	10
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KPC	3.2				2021	12
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KPC	3.2				2006	12
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KPC	3.2				2007	9
KPC	3.2				2007	10
KPC	3.2				2007	11
KPC	3.2				2007	12
KPC	3.2				2008	1

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JURIS	revcls	acctno	name	year	month	U95
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KPC	3.2			2009	10	
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KPC	3.2			2010	9	
KPC	3.2			2010	10	
KPC	3.2			2010	11	
KPC	3.2			2010	12	
KPC	3.2			2011	1	

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JURIS	revcls	acctno	name	year	month	U95
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KPC	3.2			2011	12	
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KPC	3.2			2013	10	
KPC	3.2			2013	11	
KPC	3.2			2013	12	
KPC	3.2			2014	1	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	U95
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KPC	3.2			2014	9	
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KPC	3.2			2016	11	
KPC	3.2			2016	12	
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Kentucky Power Company
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JURIS	revcls	acctno	name	year	month	U95
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JURIS	revcls	acctno	name	year	month	U95
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KPC	3.2			2021	9	
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KPC	3.2			2006	9	
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	U95
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Kentucky Power Company
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JURIS	revcls	acctno	name	year	month	U95
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Kentucky Power Company
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JURIS	revcls	acctno	name	year	month	U95
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JURIS	revcls	acctno	name	year	month	U95
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JURIS	revcls	acctno	name	year	month	U95
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JURIS	revcls	acctno	name	year	month	U95
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JURIS	revcls	acctno	name	year	month	U95
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JURIS	revcls	acctno	name	year	month	U95
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JURIS	revcls	acctno	name	year	month	U95
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JURIS	revcls	acctno	name	year	month	U95
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JURIS	revcls	acctno	name	year	month	U95
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JURIS	revcls	acctno	name	year	month	U95
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JURIS	revcls	acctno	name	year	month	U95
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KPC	3.2				2021	11
KPC	3.2				2021	12
KPC	3.2				2022	1
KPC	3.2				2004	1
KPC	3.2				2004	2
KPC	3.2				2004	3
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KPC	3.2				2004	9
KPC	3.2				2004	10
KPC	3.2				2004	11
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JURIS	revcls	acctno	name	year	month	U95
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JURIS	revcls	acctno	name	year	month	U95
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	U95
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	U95
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JURIS	revcls	acctno	name	year	month	U95
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JURIS	revcls	acctno	name	year	month	U95
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Kentucky Power Company
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JURIS	revcls	acctno	name	year	month	U95
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JURIS	revcls	acctno	name	year	month	U95
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JURIS	revcls	acctno	name	year	month	U95
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Kentucky Power Company
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JURIS	revcls	acctno	name	year	month	U95
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KPC	3.2			2009	10	
KPC	3.2			2009	11	
KPC	3.2			2009	12	
KPC	3.2			2010	1	
KPC	3.2			2010	2	
KPC	3.2			2010	3	
KPC	3.2			2010	4	
KPC	3.2			2010	5	
KPC	3.2			2010	6	
KPC	3.2			2010	7	
KPC	3.2			2010	8	
KPC	3.2			2010	9	
KPC	3.2			2010	10	
KPC	3.2			2010	11	
KPC	3.2			2010	12	
KPC	3.2			2011	1	
KPC	3.2			2011	2	
KPC	3.2			2011	3	
KPC	3.2			2011	4	
KPC	3.2			2011	5	
KPC	3.2			2011	6	
KPC	3.2			2011	7	
KPC	3.2			2011	8	
KPC	3.2			2011	9	
KPC	3.2			2011	10	
KPC	3.2			2011	11	
KPC	3.2			2011	12	
KPC	3.2			2012	1	
KPC	3.2			2012	2	
KPC	3.2			2012	3	
KPC	3.2			2012	4	
KPC	3.2			2012	5	

Kentucky Power Company
Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	U95
KPC		3.2			2012	6
KPC		3.2			2012	7
KPC		3.2			2012	8
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KPC		3.2			2012	10
KPC		3.2			2012	11
KPC		3.2			2012	12
KPC		3.2			2013	1
KPC		3.2			2013	2
KPC		3.2			2013	3
KPC		3.2			2013	4
KPC		3.2			2013	5
KPC		3.2			2013	6
KPC		3.2			2013	7
KPC		3.2			2013	8
KPC		3.2			2013	9
KPC		3.2			2013	10
KPC		3.2			2013	11
KPC		3.2			2013	12
KPC		3.2			2014	1
KPC		3.2			2014	2
KPC		3.2			2014	3
KPC		3.2			2014	4
KPC		3.2			2014	5
KPC		3.2			2014	6
KPC		3.2			2014	7
KPC		3.2			2014	8
KPC		3.2			2014	9
KPC		3.2			2014	10
KPC		3.2			2014	11
KPC		3.2			2014	12
KPC		3.2			2015	1
KPC		3.2			2015	2
KPC		3.2			2015	3
KPC		3.2			2015	4
KPC		3.2			2015	5

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	U95
KPC	3.2				2015	6
KPC	3.2				2015	7
KPC	3.2				2015	8
KPC	3.2				2015	9
KPC	3.2				2015	10
KPC	3.2				2015	11
KPC	3.2				2015	12
KPC	3.2				2016	1
KPC	3.2				2016	2
KPC	3.2				2016	3
KPC	3.2				2016	4
KPC	3.2				2016	5
KPC	3.2				2016	6
KPC	3.2				2016	7
KPC	3.2				2016	8
KPC	3.2				2016	9
KPC	3.2				2016	10
KPC	3.2				2016	11
KPC	3.2				2016	12
KPC	3.2				2017	1
KPC	3.2				2017	2
KPC	3.2				2017	3
KPC	3.2				2017	4
KPC	3.2				2017	5
KPC	3.2				2017	6
KPC	3.2				2017	7
KPC	3.2				2017	8
KPC	3.2				2017	9
KPC	3.2				2017	10
KPC	3.2				2017	11
KPC	3.2				2017	12
KPC	3.2				2018	1
KPC	3.2				2018	2
KPC	3.2				2018	3
KPC	3.2				2018	4
KPC	3.2				2018	5

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	U95
KPC	3.2			2018	6	
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KPC	3.2			2018	8	
KPC	3.2			2018	9	
KPC	3.2			2018	10	
KPC	3.2			2018	11	
KPC	3.2			2018	12	
KPC	3.2			2019	1	
KPC	3.2			2019	2	
KPC	3.2			2019	3	
KPC	3.2			2019	4	
KPC	3.2			2019	5	
KPC	3.2			2019	6	
KPC	3.2			2019	7	
KPC	3.2			2019	8	
KPC	3.2			2019	9	
KPC	3.2			2019	10	
KPC	3.2			2019	11	
KPC	3.2			2019	12	
KPC	3.2			2020	1	
KPC	3.2			2020	2	
KPC	3.2			2020	3	
KPC	3.2			2020	4	
KPC	3.2			2020	5	
KPC	3.2			2020	6	
KPC	3.2			2020	7	
KPC	3.2			2020	8	
KPC	3.2			2020	9	
KPC	3.2			2020	10	
KPC	3.2			2020	11	
KPC	3.2			2020	12	
KPC	3.2			2021	1	
KPC	3.2			2021	2	
KPC	3.2			2021	3	
KPC	3.2			2021	4	
KPC	3.2			2021	5	

Kentucky Power Company
Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	U95
KPC		3.2			2021	
KPC		3.2			2021	
KPC		3.2			2021	
KPC		3.2			2021	
KPC		3.2			2021	
KPC		3.2			2021	
KPC		3.2			2021	
KPC		3.2			2021	
KPC		3.2			2022	
KPC		3.2				

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
KPC	3.2			2008	7	
KPC	3.2			2008	8	
KPC	3.2			2008	9	
KPC	3.2			2008	10	
KPC	3.2			2008	11	
KPC	3.2			2008	12	
KPC	3.2			2009	1	
KPC	3.2			2009	2	
KPC	3.2			2009	3	
KPC	3.2			2009	4	
KPC	3.2			2009	5	
KPC	3.2			2009	6	
KPC	3.2			2009	7	
KPC	3.2			2009	8	
KPC	3.2			2009	9	
KPC	3.2			2009	10	
KPC	3.2			2009	11	
KPC	3.2			2009	12	
KPC	3.2			2010	1	
KPC	3.2			2010	2	
KPC	3.2			2010	3	
KPC	3.2			2010	4	
KPC	3.2			2010	5	
KPC	3.2			2010	6	
KPC	3.2			2010	7	
KPC	3.2			2010	8	
KPC	3.2			2010	9	
KPC	3.2			2010	10	
KPC	3.2			2010	11	
KPC	3.2			2010	12	
KPC	3.2			2011	1	
KPC	3.2			2011	2	
KPC	3.2			2011	3	
KPC	3.2			2011	4	
KPC	3.2			2011	5	
KPC	3.2			2011	6	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
KPC	3.2			2011	7	
KPC	3.2			2011	8	
KPC	3.2			2011	9	
KPC	3.2			2011	10	
KPC	3.2			2011	11	
KPC	3.2			2011	12	
KPC	3.2			2012	1	
KPC	3.2			2012	2	
KPC	3.2			2012	3	
KPC	3.2			2012	4	
KPC	3.2			2012	5	
KPC	3.2			2012	6	
KPC	3.2			2012	7	
KPC	3.2			2012	8	
KPC	3.2			2012	9	
KPC	3.2			2012	10	
KPC	3.2			2012	11	
KPC	3.2			2012	12	
KPC	3.2			2013	1	
KPC	3.2			2013	2	
KPC	3.2			2013	3	
KPC	3.2			2013	4	
KPC	3.2			2013	5	
KPC	3.2			2013	6	
KPC	3.2			2013	7	
KPC	3.2			2013	8	
KPC	3.2			2013	9	
KPC	3.2			2013	10	
KPC	3.2			2013	11	
KPC	3.2			2013	12	
KPC	3.2			2014	1	
KPC	3.2			2014	2	
KPC	3.2			2014	3	
KPC	3.2			2014	4	
KPC	3.2			2014	5	
KPC	3.2			2014	6	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
KPC	3.2			2014	7	
KPC	3.2			2014	8	
KPC	3.2			2014	9	
KPC	3.2			2014	10	
KPC	3.2			2014	11	
KPC	3.2			2014	12	
KPC	3.2			2015	1	
KPC	3.2			2015	2	
KPC	3.2			2015	3	
KPC	3.2			2015	4	
KPC	3.2			2015	5	
KPC	3.2			2015	6	
KPC	3.2			2015	7	
KPC	3.2			2015	8	
KPC	3.2			2015	9	
KPC	3.2			2015	10	
KPC	3.2			2015	11	
KPC	3.2			2015	12	
KPC	3.2			2016	1	
KPC	3.2			2016	2	
KPC	3.2			2016	3	
KPC	3.2			2016	4	
KPC	3.2			2016	5	
KPC	3.2			2016	6	
KPC	3.2			2016	7	
KPC	3.2			2016	8	
KPC	3.2			2016	9	
KPC	3.2			2016	10	
KPC	3.2			2016	11	
KPC	3.2			2016	12	
KPC	3.2			2017	1	
KPC	3.2			2017	2	
KPC	3.2			2017	3	
KPC	3.2			2017	4	
KPC	3.2			2017	5	
KPC	3.2			2017	6	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
KPC	3.2			2017	7	
KPC	3.2			2017	8	
KPC	3.2			2017	9	
KPC	3.2			2017	10	
KPC	3.2			2017	11	
KPC	3.2			2017	12	
KPC	3.2			2018	1	
KPC	3.2			2018	2	
KPC	3.2			2018	3	
KPC	3.2			2018	4	
KPC	3.2			2018	5	
KPC	3.2			2018	6	
KPC	3.2			2018	7	
KPC	3.2			2018	8	
KPC	3.2			2018	9	
KPC	3.2			2018	10	
KPC	3.2			2018	11	
KPC	3.2			2018	12	
KPC	3.2			2019	1	
KPC	3.2			2019	2	
KPC	3.2			2019	3	
KPC	3.2			2019	4	
KPC	3.2			2019	5	
KPC	3.2			2019	6	
KPC	3.2			2019	7	
KPC	3.2			2019	8	
KPC	3.2			2019	9	
KPC	3.2			2019	10	
KPC	3.2			2019	11	
KPC	3.2			2019	12	
KPC	3.2			2020	1	
KPC	3.2			2020	2	
KPC	3.2			2020	3	
KPC	3.2			2020	4	
KPC	3.2			2020	5	
KPC	3.2			2020	6	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
KPC	3.2			2020	7	
KPC	3.2			2020	8	
KPC	3.2			2020	9	
KPC	3.2			2020	10	
KPC	3.2			2020	11	
KPC	3.2			2020	12	
KPC	3.2			2021	1	
KPC	3.2			2021	2	
KPC	3.2			2021	3	
KPC	3.2			2021	4	
KPC	3.2			2021	5	
KPC	3.2			2021	6	
KPC	3.2			2021	7	
KPC	3.2			2021	8	
KPC	3.2			2021	9	
KPC	3.2			2021	10	
KPC	3.2			2021	11	
KPC	3.2			2021	12	
KPC	3.2			2022	1	
KPC	3.2			1995	12	
KPC	3.2			1996	1	
KPC	3.2			1997	7	
KPC	3.2			1998	2	
KPC	3.2			1998	3	
KPC	3.2			1999	1	
KPC	3.2			1999	2	
KPC	3.2			1999	3	
KPC	3.2			1999	4	
KPC	3.2			1999	5	
KPC	3.2			1999	6	
KPC	3.2			1999	7	
KPC	3.2			1999	8	
KPC	3.2			1999	9	
KPC	3.2			1999	10	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
KPC	3.2			1999	11	
KPC	3.2			1999	12	
KPC	3.2			2000	1	
KPC	3.2			2000	2	
KPC	3.2			2000	3	
KPC	3.2			2000	4	
KPC	3.2			2000	5	
KPC	3.2			2000	6	
KPC	3.2			2000	7	
KPC	3.2			2000	8	
KPC	3.2			2000	9	
KPC	3.2			2000	10	
KPC	3.2			2000	11	
KPC	3.2			2000	12	
KPC	3.2			2001	1	
KPC	3.2			2001	2	
KPC	3.2			2001	3	
KPC	3.2			2001	4	
KPC	3.2			2001	5	
KPC	3.2			2001	6	
KPC	3.2			2001	7	
KPC	3.2			2001	8	
KPC	3.2			2001	9	
KPC	3.2			2001	10	
KPC	3.2			2001	11	
KPC	3.2			2001	12	
KPC	3.2			2002	1	
KPC	3.2			2002	2	
KPC	3.2			2002	3	
KPC	3.2			2002	4	
KPC	3.2			2002	5	
KPC	3.2			2002	6	
KPC	3.2			2002	7	
KPC	3.2			2002	8	
KPC	3.2			2002	9	
KPC	3.2			2002	10	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
KPC	3.2			2002	11	
KPC	3.2			2002	12	
KPC	3.2			2003	1	
KPC	3.2			2003	2	
KPC	3.2			2003	3	
KPC	3.2			2003	4	
KPC	3.2			2003	5	
KPC	3.2			2003	6	
KPC	3.2			2003	7	
KPC	3.2			2003	8	
KPC	3.2			2003	9	
KPC	3.2			2003	10	
KPC	3.2			2003	11	
KPC	3.2			2003	12	
KPC	3.2			2004	1	
KPC	3.2			2004	2	
KPC	3.2			2004	3	
KPC	3.2			2004	4	
KPC	3.2			2004	5	
KPC	3.2			2004	6	
KPC	3.2			2004	7	
KPC	3.2			2004	8	
KPC	3.2			2004	9	
KPC	3.2			2004	10	
KPC	3.2			2004	11	
KPC	3.2			2004	12	
KPC	3.2			2005	1	
KPC	3.2			2005	2	
KPC	3.2			2005	3	
KPC	3.2			2005	4	
KPC	3.2			2005	5	
KPC	3.2			2005	6	
KPC	3.2			2005	7	
KPC	3.2			2005	8	
KPC	3.2			2005	9	
KPC	3.2			2005	10	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
KPC	3.2			2005	11	
KPC	3.2			2005	12	
KPC	3.2			2006	1	
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KPC	3.2			2006	4	
KPC	3.2			2006	5	
KPC	3.2			2006	6	
KPC	3.2			2006	7	
KPC	3.2			2006	8	
KPC	3.2			2006	9	
KPC	3.2			2006	10	
KPC	3.2			2006	11	
KPC	3.2			2006	12	
KPC	3.2			2007	1	
KPC	3.2			2007	2	
KPC	3.2			2007	3	
KPC	3.2			2007	4	
KPC	3.2			2007	5	
KPC	3.2			2007	6	
KPC	3.2			2007	7	
KPC	3.2			2007	8	
KPC	3.2			2007	9	
KPC	3.2			2007	10	
KPC	3.2			2007	11	
KPC	3.2			2007	12	
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KPC	3.2			2008	2	
KPC	3.2			2008	3	
KPC	3.2			2008	4	
KPC	3.2			2008	5	
KPC	3.2			2008	6	
KPC	3.2			2008	7	
KPC	3.2			2008	8	
KPC	3.2			2008	9	
KPC	3.2			2008	10	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
KPC	3.2			2008	11	
KPC	3.2			2008	12	
KPC	3.2			2009	1	
KPC	3.2			2009	2	
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KPC	3.2			2009	4	
KPC	3.2			2009	5	
KPC	3.2			2009	6	
KPC	3.2			2009	7	
KPC	3.2			2009	8	
KPC	3.2			2009	9	
KPC	3.2			2009	10	
KPC	3.2			2009	11	
KPC	3.2			2009	12	
KPC	3.2			2010	1	
KPC	3.2			2010	2	
KPC	3.2			2010	3	
KPC	3.2			2010	4	
KPC	3.2			2010	5	
KPC	3.2			2010	6	
KPC	3.2			2010	7	
KPC	3.2			2010	8	
KPC	3.2			2010	9	
KPC	3.2			2010	10	
KPC	3.2			2010	11	
KPC	3.2			2010	12	
KPC	3.2			2011	1	
KPC	3.2			2011	2	
KPC	3.2			2011	3	
KPC	3.2			2011	4	
KPC	3.2			2011	5	
KPC	3.2			2011	6	
KPC	3.2			2011	7	
KPC	3.2			2011	8	
KPC	3.2			2011	9	
KPC	3.2			2011	10	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
KPC	3.2			2011	11	
KPC	3.2			2011	12	
KPC	3.2			2012	1	
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KPC	3.2			2012	3	
KPC	3.2			2012	4	
KPC	3.2			2012	5	
KPC	3.2			2012	6	
KPC	3.2			2012	7	
KPC	3.2			2012	8	
KPC	3.2			2012	8	
KPC	3.2			2012	9	
KPC	3.2			2012	9	
KPC	3.2			2012	10	
KPC	3.2			2012	10	
KPC	3.2			2012	11	
KPC	3.2			2012	11	
KPC	3.2			2012	12	
KPC	3.2			2012	12	
KPC	3.2			2013	1	
KPC	3.2			2013	2	
KPC	3.2			2013	3	
KPC	3.2			2013	4	
KPC	3.2			2013	5	
KPC	3.2			2013	6	
KPC	3.2			2013	7	
KPC	3.2			2013	8	
KPC	3.2			2013	9	
KPC	3.2			2013	10	
KPC	3.2			2013	11	
KPC	3.2			2013	12	
KPC	3.2			2014	1	
KPC	3.2			2014	2	
KPC	3.2			2014	3	
KPC	3.2			2014	4	
KPC	3.2			2014	5	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
KPC	3.2			2014	6	
KPC	3.2			2014	7	
KPC	3.2			2014	8	
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KPC	3.2			2014	10	
KPC	3.2			2014	11	
KPC	3.2			2014	12	
KPC	3.2			2015	1	
KPC	3.2			2015	2	
KPC	3.2			2015	3	
KPC	3.2			2015	4	
KPC	3.2			2015	5	
KPC	3.2			2015	6	
KPC	3.2			2015	7	
KPC	3.2			2015	8	
KPC	3.2			2015	9	
KPC	3.2			2015	10	
KPC	3.2			2015	11	
KPC	3.2			2015	12	
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KPC	3.2			2016	2	
KPC	3.2			2016	3	
KPC	3.2			2016	4	
KPC	3.2			2016	5	
KPC	3.2			2016	6	
KPC	3.2			2016	7	
KPC	3.2			2016	8	
KPC	3.2			2016	9	
KPC	3.2			2016	10	
KPC	3.2			2016	11	
KPC	3.2			2016	12	
KPC	3.2			2017	1	
KPC	3.2			2017	2	
KPC	3.2			2017	3	
KPC	3.2			2017	4	
KPC	3.2			2017	5	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2017	10	
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KPC	3.2			2018	10	
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KPC	3.2			2019	3	
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KPC	3.2			2019	10	
KPC	3.2			2019	11	
KPC	3.2			2019	12	
KPC	3.2			2020	1	
KPC	3.2			2020	2	
KPC	3.2			2020	3	
KPC	3.2			2020	4	
KPC	3.2			2020	5	

Kentucky Power Company
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JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			1999	11	
KPC	3.2			1999	12	
KPC	3.2			2000	1	
KPC	3.2			2000	2	

Kentucky Power Company
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JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2001	3	
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KPC	3.2			2002	10	
KPC	3.2			2002	11	
KPC	3.2			2002	12	
KPC	3.2			2003	1	
KPC	3.2			2003	2	
KPC	3.2			2003	3	
KPC	3.2			2003	4	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2005	10	
KPC	3.2			2005	11	
KPC	3.2			2005	12	
KPC	3.2			2006	1	
KPC	3.2			2006	2	
KPC	3.2			2006	3	
KPC	3.2			2006	4	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2008	10	
KPC	3.2			2008	11	
KPC	3.2			2008	12	
KPC	3.2			2009	1	
KPC	3.2			2009	2	
KPC	3.2			2009	3	
KPC	3.2			2009	4	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2010	2	
KPC	3.2			2010	3	
KPC	3.2			2010	4	
KPC	3.2			2010	5	
KPC	3.2			2010	6	
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KPC	3.2			2010	8	
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KPC	3.2			2010	11	
KPC	3.2			2010	12	
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KPC	3.2			2011	3	
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KPC	3.2			2011	11	
KPC	3.2			2011	12	
KPC	3.2			2012	1	
KPC	3.2			2012	2	
KPC	3.2			2012	3	
KPC	3.2			2012	4	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
KPC	3.2			2012	5	
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KPC	3.2			2014	6	
KPC	3.2			2014	7	
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KPC	3.2			2014	9	
KPC	3.2			2014	10	
KPC	3.2			2014	11	

Kentucky Power Company
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JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2017	8	
KPC	3.2			2017	9	
KPC	3.2			2017	10	
KPC	3.2			2017	11	

Kentucky Power Company
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JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2018	8	
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KPC	3.2			2018	10	
KPC	3.2			2018	11	
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KPC	3.2			2019	10	
KPC	3.2			2019	11	
KPC	3.2			2019	12	
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KPC	3.2			2020	8	
KPC	3.2			2020	9	
KPC	3.2			2020	10	
KPC	3.2			2020	11	
KPC	3.2			2020	12	

Kentucky Power Company
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JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2000	5	
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KPC	3.2			2000	8	
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Kentucky Power Company
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JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2003	5	
KPC	3.2			2003	6	
KPC	3.2			2003	7	
KPC	3.2			2003	8	
KPC	3.2			2003	9	

Kentucky Power Company
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JURIS	revcls	acctno	name	year	month	RESIDUAL
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2012	8	
KPC	3.2			2012	8	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2015	9	
KPC	3.2			2015	10	
KPC	3.2			2015	11	
KPC	3.2			2015	12	
KPC	3.2			2016	1	
KPC	3.2			2016	2	
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KPC	3.2			2016	4	
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KPC	3.2			2016	7	
KPC	3.2			2016	8	
KPC	3.2			2016	9	
KPC	3.2			2016	10	
KPC	3.2			2016	11	
KPC	3.2			2016	12	
KPC	3.2			2017	1	
KPC	3.2			2017	2	
KPC	3.2			2017	3	
KPC	3.2			2017	4	
KPC	3.2			2017	5	
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KPC	3.2			2017	7	
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KPC	3.2			2017	10	
KPC	3.2			2017	11	
KPC	3.2			2017	12	
KPC	3.2			2018	1	
KPC	3.2			2018	2	
KPC	3.2			2018	3	
KPC	3.2			2018	4	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2020	10	
KPC	3.2			2020	11	
KPC	3.2			2020	12	
KPC	3.2			2021	1	
KPC	3.2			2021	2	
KPC	3.2			2021	3	
KPC	3.2			2021	4	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2021	7	
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KPC	3.2			2021	9	
KPC	3.2			2021	10	
KPC	3.2			2021	11	
KPC	3.2			2021	12	
KPC	3.2			2022	1	
KPC	3.2			2007	1	
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KPC	3.2			2008	10	
KPC	3.2			2008	11	
KPC	3.2			2008	12	
KPC	3.2			2009	1	
KPC	3.2			2009	2	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2009	11	
KPC	3.2			2009	12	
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KPC	3.2			2011	9	
KPC	3.2			2011	10	
KPC	3.2			2011	11	
KPC	3.2			2011	12	
KPC	3.2			2012	1	
KPC	3.2			2012	2	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2012	4	
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KPC	3.2			2012	10	
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KPC	3.2			2012	12	
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KPC	3.2			2013	1	
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KPC	3.2			2014	9	
KPC	3.2			2014	10	
KPC	3.2			2014	11	
KPC	3.2			2014	12	
KPC	3.2			2015	1	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2015	4	
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KPC	3.2			2015	9	
KPC	3.2			2015	10	
KPC	3.2			2015	11	
KPC	3.2			2015	12	
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KPC	3.2			2016	3	
KPC	3.2			2016	4	
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KPC	3.2			2016	10	
KPC	3.2			2016	11	
KPC	3.2			2016	12	
KPC	3.2			2017	1	
KPC	3.2			2017	2	
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KPC	3.2			2017	8	
KPC	3.2			2017	9	
KPC	3.2			2017	10	
KPC	3.2			2017	11	
KPC	3.2			2017	12	
KPC	3.2			2018	1	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
KPC	3.2			2018	2	
KPC	3.2			2018	3	
KPC	3.2			2018	4	
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KPC	3.2			2018	9	
KPC	3.2			2018	10	
KPC	3.2			2018	11	
KPC	3.2			2018	12	
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KPC	3.2			2019	12	
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KPC	3.2			2020	9	
KPC	3.2			2020	10	
KPC	3.2			2020	11	
KPC	3.2			2020	12	
KPC	3.2			2021	1	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2007	10	
KPC	3.2			2007	11	
KPC	3.2			2007	12	
KPC	3.2			2008	1	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2010	9	
KPC	3.2			2010	10	
KPC	3.2			2010	11	
KPC	3.2			2010	12	
KPC	3.2			2011	1	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2013	10	
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KPC	3.2			2013	12	
KPC	3.2			2014	1	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2015	11	
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KPC	3.2			2016	10	
KPC	3.2			2016	11	
KPC	3.2			2016	12	
KPC	3.2			2017	1	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2019	12	
KPC	3.2			2020	1	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2006	12	
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2009	11	
KPC	3.2			2009	12	
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2012	12	
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Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2013	9	
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KPC	3.2			2013	11	
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KPC	3.2			2015	10	
KPC	3.2			2015	11	
KPC	3.2			2015	12	
KPC	3.2			2016	1	

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JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2018	9	
KPC	3.2			2018	10	
KPC	3.2			2018	11	
KPC	3.2			2018	12	
KPC	3.2			2019	1	

Kentucky Power Company
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JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2021	9	
KPC	3.2			2021	10	
KPC	3.2			2021	11	
KPC	3.2			2021	12	
KPC	3.2			2022	1	

Kentucky Power Company
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JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2003	3	
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KPC	3.2			2003	10	
KPC	3.2			2003	11	
KPC	3.2			2003	12	
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KPC	3.2			2005	7	
KPC	3.2			2005	8	
KPC	3.2			2005	9	
KPC	3.2			2005	10	
KPC	3.2			2005	11	
KPC	3.2			2005	12	

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JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2006	9	
KPC	3.2			2006	10	
KPC	3.2			2006	11	
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KPC	3.2			2008	7	
KPC	3.2			2008	8	
KPC	3.2			2008	9	
KPC	3.2			2008	10	
KPC	3.2			2008	11	
KPC	3.2			2008	12	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2009	3	
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KPC	3.2			2009	9	
KPC	3.2			2009	10	
KPC	3.2			2009	11	
KPC	3.2			2009	12	
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KPC	3.2			2011	6	
KPC	3.2			2011	7	
KPC	3.2			2011	8	
KPC	3.2			2011	9	
KPC	3.2			2011	10	
KPC	3.2			2011	11	
KPC	3.2			2011	12	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2012	3	
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KPC	3.2			2012	10	
KPC	3.2			2012	11	
KPC	3.2			2012	12	
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KPC	3.2			2013	2	
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KPC	3.2			2013	11	
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KPC	3.2			2014	10	
KPC	3.2			2014	11	
KPC	3.2			2014	12	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2				2015	10
KPC	3.2				2015	11
KPC	3.2				2015	12
KPC	3.2				2016	1
KPC	3.2				2016	2
KPC	3.2				2016	3
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KPC	3.2				2016	11
KPC	3.2				2016	12
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KPC	3.2				2017	6
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KPC	3.2				2017	12

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2020	9	
KPC	3.2			2020	10	
KPC	3.2			2020	11	
KPC	3.2			2020	12	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2005	9	
KPC	3.2			2005	10	
KPC	3.2			2005	11	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2008	9	
KPC	3.2			2008	10	
KPC	3.2			2008	11	

Kentucky Power Company
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JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2011	11	

Kentucky Power Company
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JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2014	12	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2017	11	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
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KPC	3.2			2020	9	
KPC	3.2			2020	10	
KPC	3.2			2020	11	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
KPC	3.2			2020	12	
KPC	3.2			2021	1	
KPC	3.2			2021	2	
KPC	3.2			2021	3	
KPC	3.2			2021	4	
KPC	3.2			2021	5	
KPC	3.2			2021	6	
KPC	3.2			2021	7	
KPC	3.2			2021	8	
KPC	3.2			2021	9	
KPC	3.2			2021	10	
KPC	3.2			2021	11	
KPC	3.2			2021	12	
KPC	3.2			2022	1	
KPC	3.2			1996	1	
KPC	3.2			1996	2	
KPC	3.2			1996	3	
KPC	3.2			1996	4	
KPC	3.2			1999	1	
KPC	3.2			1999	2	
KPC	3.2			1999	3	
KPC	3.2			1999	4	
KPC	3.2			1999	5	
KPC	3.2			1999	6	
KPC	3.2			1999	7	
KPC	3.2			1999	8	
KPC	3.2			1999	9	
KPC	3.2			1999	10	
KPC	3.2			1999	11	
KPC	3.2			1999	12	
KPC	3.2			2000	1	
KPC	3.2			2000	2	
KPC	3.2			2000	3	
KPC	3.2			2000	4	
KPC	3.2			2000	5	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
KPC	3.2			2003	6	
KPC	3.2			2003	7	
KPC	3.2			2003	8	
KPC	3.2			2003	9	
KPC	3.2			2003	10	
KPC	3.2			2003	11	
KPC	3.2			2003	12	
KPC	3.2			2004	1	
KPC	3.2			2004	2	
KPC	3.2			2004	3	
KPC	3.2			2004	4	
KPC	3.2			2004	5	
KPC	3.2			2004	6	
KPC	3.2			2004	7	
KPC	3.2			2004	8	
KPC	3.2			2004	9	
KPC	3.2			2004	10	
KPC	3.2			2004	11	
KPC	3.2			2004	12	
KPC	3.2			2005	1	
KPC	3.2			2005	2	
KPC	3.2			2005	3	
KPC	3.2			2005	4	
KPC	3.2			2005	5	
KPC	3.2			2005	6	
KPC	3.2			2005	7	
KPC	3.2			2005	8	
KPC	3.2			2005	9	
KPC	3.2			2005	10	
KPC	3.2			2005	11	
KPC	3.2			2005	12	
KPC	3.2			2006	1	
KPC	3.2			2006	2	
KPC	3.2			2006	3	
KPC	3.2			2006	4	
KPC	3.2			2006	5	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
KPC	3.2			2006	6	
KPC	3.2			2006	7	
KPC	3.2			2006	8	
KPC	3.2			2006	9	
KPC	3.2			2006	10	
KPC	3.2			2006	11	
KPC	3.2			2006	12	
KPC	3.2			2007	1	
KPC	3.2			2007	2	
KPC	3.2			2007	3	
KPC	3.2			2007	4	
KPC	3.2			2007	5	
KPC	3.2			2007	6	
KPC	3.2			2007	7	
KPC	3.2			2007	8	
KPC	3.2			2007	9	
KPC	3.2			2007	10	
KPC	3.2			2007	11	
KPC	3.2			2007	12	
KPC	3.2			2008	1	
KPC	3.2			2008	2	
KPC	3.2			2008	3	
KPC	3.2			2008	4	
KPC	3.2			2008	5	
KPC	3.2			2008	6	
KPC	3.2			2008	7	
KPC	3.2			2008	8	
KPC	3.2			2008	9	
KPC	3.2			2008	10	
KPC	3.2			2008	11	
KPC	3.2			2008	12	
KPC	3.2			2009	1	
KPC	3.2			2009	2	
KPC	3.2			2009	3	
KPC	3.2			2009	4	
KPC	3.2			2009	5	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
KPC	3.2			2009	6	
KPC	3.2			2009	7	
KPC	3.2			2009	8	
KPC	3.2			2009	9	
KPC	3.2			2009	10	
KPC	3.2			2009	11	
KPC	3.2			2009	12	
KPC	3.2			2010	1	
KPC	3.2			2010	2	
KPC	3.2			2010	3	
KPC	3.2			2010	4	
KPC	3.2			2010	5	
KPC	3.2			2010	6	
KPC	3.2			2010	7	
KPC	3.2			2010	8	
KPC	3.2			2010	9	
KPC	3.2			2010	10	
KPC	3.2			2010	11	
KPC	3.2			2010	12	
KPC	3.2			2011	1	
KPC	3.2			2011	2	
KPC	3.2			2011	3	
KPC	3.2			2011	4	
KPC	3.2			2011	5	
KPC	3.2			2011	6	
KPC	3.2			2011	7	
KPC	3.2			2011	8	
KPC	3.2			2011	9	
KPC	3.2			2011	10	
KPC	3.2			2011	11	
KPC	3.2			2011	12	
KPC	3.2			2012	1	
KPC	3.2			2012	2	
KPC	3.2			2012	3	
KPC	3.2			2012	4	
KPC	3.2			2012	5	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
KPC	3.2			2012	6	
KPC	3.2			2012	7	
KPC	3.2			2012	8	
KPC	3.2			2012	9	
KPC	3.2			2012	10	
KPC	3.2			2012	11	
KPC	3.2			2012	12	
KPC	3.2			2013	1	
KPC	3.2			2013	2	
KPC	3.2			2013	3	
KPC	3.2			2013	4	
KPC	3.2			2013	5	
KPC	3.2			2013	6	
KPC	3.2			2013	7	
KPC	3.2			2013	8	
KPC	3.2			2013	9	
KPC	3.2			2013	10	
KPC	3.2			2013	11	
KPC	3.2			2013	12	
KPC	3.2			2014	1	
KPC	3.2			2014	2	
KPC	3.2			2014	3	
KPC	3.2			2014	4	
KPC	3.2			2014	5	
KPC	3.2			2014	6	
KPC	3.2			2014	7	
KPC	3.2			2014	8	
KPC	3.2			2014	9	
KPC	3.2			2014	10	
KPC	3.2			2014	11	
KPC	3.2			2014	12	
KPC	3.2			2015	1	
KPC	3.2			2015	2	
KPC	3.2			2015	3	
KPC	3.2			2015	4	
KPC	3.2			2015	5	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
KPC	3.2			2015	6	
KPC	3.2			2015	7	
KPC	3.2			2015	8	
KPC	3.2			2015	9	
KPC	3.2			2015	10	
KPC	3.2			2015	11	
KPC	3.2			2015	12	
KPC	3.2			2016	1	
KPC	3.2			2016	2	
KPC	3.2			2016	3	
KPC	3.2			2016	4	
KPC	3.2			2016	5	
KPC	3.2			2016	6	
KPC	3.2			2016	7	
KPC	3.2			2016	8	
KPC	3.2			2016	9	
KPC	3.2			2016	10	
KPC	3.2			2016	11	
KPC	3.2			2016	12	
KPC	3.2			2017	1	
KPC	3.2			2017	2	
KPC	3.2			2017	3	
KPC	3.2			2017	4	
KPC	3.2			2017	5	
KPC	3.2			2017	6	
KPC	3.2			2017	7	
KPC	3.2			2017	8	
KPC	3.2			2017	9	
KPC	3.2			2017	10	
KPC	3.2			2017	11	
KPC	3.2			2017	12	
KPC	3.2			2018	1	
KPC	3.2			2018	2	
KPC	3.2			2018	3	
KPC	3.2			2018	4	
KPC	3.2			2018	5	

Kentucky Power Company
 Large Industrial Customer Models Output Data

JURIS	revcls	acctno	name	year	month	RESIDUAL
KPC	3.2			2018	6	
KPC	3.2			2018	7	
KPC	3.2			2018	8	
KPC	3.2			2018	9	
KPC	3.2			2018	10	
KPC	3.2			2018	11	
KPC	3.2			2018	12	
KPC	3.2			2019	1	
KPC	3.2			2019	2	
KPC	3.2			2019	3	
KPC	3.2			2019	4	
KPC	3.2			2019	5	
KPC	3.2			2019	6	
KPC	3.2			2019	7	
KPC	3.2			2019	8	
KPC	3.2			2019	9	
KPC	3.2			2019	10	
KPC	3.2			2019	11	
KPC	3.2			2019	12	
KPC	3.2			2020	1	
KPC	3.2			2020	2	
KPC	3.2			2020	3	
KPC	3.2			2020	4	
KPC	3.2			2020	5	
KPC	3.2			2020	6	
KPC	3.2			2020	7	
KPC	3.2			2020	8	
KPC	3.2			2020	9	
KPC	3.2			2020	10	
KPC	3.2			2020	11	
KPC	3.2			2020	12	
KPC	3.2			2021	1	
KPC	3.2			2021	2	
KPC	3.2			2021	3	
KPC	3.2			2021	4	
KPC	3.2			2021	5	

CONFIDENTIAL
SHORT-TERM WHOLESALE

Kentucky Power Company
Wholesale Models

bcdd65-Cooling degree days base 65
bhdd55-Heating degree days base 55

Olv1, olv2, olv3, olv4,
vnc1, vnc2, vnc3, vnc4,
vnc5
(Binary Variable)

Confidential

Kentucky Power Company
 Wholesale Energy Models Input Data

revcls	name	YEAR	MONTH	time	bcdd65	bhdd55	CDD65	HDD55	KWH	OLV1
5.2	CITY OF OLIVE HILL	2009	1	1/9/2019	0	601.566	0	801		0
5.2	CITY OF OLIVE HILL	2009	2	2/9/2019	0	731.275	0	479		0
5.2	CITY OF OLIVE HILL	2009	3	3/9/2019	4.156	472.102	6.5	272		0
5.2	CITY OF OLIVE HILL	2009	4	4/9/2019	3.158	182.25	50	90		0
5.2	CITY OF OLIVE HILL	2009	5	5/9/2019	60.51	47.109	76	6.5		0
5.2	CITY OF OLIVE HILL	2009	6	6/9/2019	121.756	4.565	216.5	0		0
5.2	CITY OF OLIVE HILL	2009	7	7/9/2019	209.985	0	183	0		0
5.2	CITY OF OLIVE HILL	2009	8	8/9/2019	216.563	0	253	0		0
5.2	CITY OF OLIVE HILL	2009	9	9/9/2019	207.089	0	115.5	3.5		0
5.2	CITY OF OLIVE HILL	2009	10	10/9/2019	73.977	32.971	5	96		0
5.2	CITY OF OLIVE HILL	2009	11	11/9/2019	3.044	131.296	0	193		0
5.2	CITY OF OLIVE HILL	2009	12	12/9/2019	0.196	344.652	0	611.5		0
5.2	CITY OF OLIVE HILL	2010	1	1/10/2019	0	710.395	0	778.5		0
5.2	CITY OF OLIVE HILL	2010	2	2/10/2019	0	710.461	0	676		0
5.2	CITY OF OLIVE HILL	2010	3	3/10/2019	0	582.127	0	245		0
5.2	CITY OF OLIVE HILL	2010	4	4/10/2019	24.266	135.648	41.5	38		0
5.2	CITY OF OLIVE HILL	2010	5	5/10/2019	38.109	35.246	111	11		0
5.2	CITY OF OLIVE HILL	2010	6	6/10/2019	185.686	5.711	310.5	0		0
5.2	CITY OF OLIVE HILL	2010	7	7/10/2019	334.196	0	374	0		0
5.2	CITY OF OLIVE HILL	2010	8	8/10/2019	389.928	0	361.5	0		0
5.2	CITY OF OLIVE HILL	2010	9	9/10/2019	275.617	0	159.5	0		0
5.2	CITY OF OLIVE HILL	2010	10	10/10/2019	103.495	11.241	14	39.5		0
5.2	CITY OF OLIVE HILL	2010	11	11/10/2019	9.981	119.924	0	268.5		0
5.2	CITY OF OLIVE HILL	2010	12	12/10/2019	0	488.105	0	819		1
5.2	CITY OF OLIVE HILL	2011	1	1/11/2019	0	776.485	0	779		0
5.2	CITY OF OLIVE HILL	2011	2	2/11/2019	0	708.579	0	430.5		0
5.2	CITY OF OLIVE HILL	2011	3	3/11/2019	1.587	368.182	8.5	310		0
5.2	CITY OF OLIVE HILL	2011	4	4/11/2019	15.299	236.64	33	56		0
5.2	CITY OF OLIVE HILL	2011	5	5/11/2019	45.947	45.882	106.5	34.5		0
5.2	CITY OF OLIVE HILL	2011	6	6/11/2019	172.056	14.776	224	0		0
5.2	CITY OF OLIVE HILL	2011	7	7/11/2019	268.761	0	417	0		0
5.2	CITY OF OLIVE HILL	2011	8	8/11/2019	397.766	0	299.5	0		0
5.2	CITY OF OLIVE HILL	2011	9	9/11/2019	237.851	0.164	101.5	1		0

Confidential

Kentucky Power Company
 Wholesale Energy Models Input Data

revcls	name	YEAR	MONTH	time	bccd65	bhdd55	CDD65	HDD55	KWH	OLV1
	5.2 CITY OF OLIVE HILL	2011	10	10/11/2019	42.413	28.815	0	117		0
	5.2 CITY OF OLIVE HILL	2011	11	11/11/2019	0.982	144.19	2.5	172.5		0
	5.2 CITY OF OLIVE HILL	2011	12	12/11/2019	1.473	263.279	0	405.5		0
	5.2 CITY OF OLIVE HILL	2012	1	1/12/2019	0	454.234	0	503		0
	5.2 CITY OF OLIVE HILL	2012	2	2/12/2019	0	472.904	0	425.5		0
	5.2 CITY OF OLIVE HILL	2012	3	3/12/2019	8.787	339.498	39	114		0
	5.2 CITY OF OLIVE HILL	2012	4	4/12/2019	36.62	71.457	17	78		0
	5.2 CITY OF OLIVE HILL	2012	5	5/12/2019	53.245	48.483	150	0		0
	5.2 CITY OF OLIVE HILL	2012	6	6/12/2019	157.493	0.245	237.5	0		0
	5.2 CITY OF OLIVE HILL	2012	7	7/12/2019	352.571	0	414.5	0		0
	5.2 CITY OF OLIVE HILL	2012	8	8/12/2019	346.844	0	277.5	0		0
	5.2 CITY OF OLIVE HILL	2012	9	9/12/2019	244.511	0.589	123.5	9.5		0
	5.2 CITY OF OLIVE HILL	2012	10	10/12/2019	58.841	39.156	17	127		0
	5.2 CITY OF OLIVE HILL	2012	11	11/12/2019	7.56	203.44	0	354.5		0
	5.2 CITY OF OLIVE HILL	2012	12	12/12/2019	0	332.134	0	401		0
	5.2 CITY OF OLIVE HILL	2013	1	1/13/2019	0	510.326	0	586.5		0
	5.2 CITY OF OLIVE HILL	2013	2	2/13/2019	0	598.326	0	511.5		0
	5.2 CITY OF OLIVE HILL	2013	3	3/13/2019	0	516.659	0	469		0
	5.2 CITY OF OLIVE HILL	2013	4	4/13/2019	17.345	337.878	41	85		0
	5.2 CITY OF OLIVE HILL	2013	5	5/13/2019	46.782	41.071	124	11		0
	5.2 CITY OF OLIVE HILL	2013	6	6/13/2019	171.516	7.183	243.5	0		0
	5.2 CITY OF OLIVE HILL	2013	7	7/13/2019	299.179	0	325.5	0		0
	5.2 CITY OF OLIVE HILL	2013	8	8/13/2019	279.544	0	263.5	0		0
	5.2 CITY OF OLIVE HILL	2013	9	9/13/2019	241.353	0	129.5	0		0
	5.2 CITY OF OLIVE HILL	2013	10	10/13/2019	95.527	9.981	48	96		0
	5.2 CITY OF OLIVE HILL	2013	11	11/13/2019	13.761	167.622	0.5	366		0
	5.2 CITY OF OLIVE HILL	2013	12	12/13/2019	0.409	453.056	1	504.5		0
	5.2 CITY OF OLIVE HILL	2014	1	1/14/2019	0.785	604.086	0	850		0
	5.2 CITY OF OLIVE HILL	2014	2	2/14/2019	0	802.093	0	580		0
	5.2 CITY OF OLIVE HILL	2014	3	3/14/2019	0	572.702	0	436.5		0
	5.2 CITY OF OLIVE HILL	2014	4	4/14/2019	6.202	279.969	16	45.5		0
	5.2 CITY OF OLIVE HILL	2014	5	5/14/2019	33.495	34.362	94	15.5		0
	5.2 CITY OF OLIVE HILL	2014	6	6/14/2019	129.349	9.49	236	0		0

Confidential

Kentucky Power Company
 Wholesale Energy Models Input Data

revcls	name	YEAR	MONTH	time	bcdd65	bhdd55	CDD65	HDD55	KWH	OLV1
5.2	CITY OF OLIVE HILL	2014	7	7/14/2019	273.44	0	227.5	0		0
5.2	CITY OF OLIVE HILL	2014	8	8/14/2019	193.999	0	232	0		0
5.2	CITY OF OLIVE HILL	2014	9	9/14/2019	225.35	0	116.5	0		0
5.2	CITY OF OLIVE HILL	2014	10	10/14/2019	57.139	17.23	10.5	75.5		0
5.2	CITY OF OLIVE HILL	2014	11	11/14/2019	5.351	193.328	0	432.5		0
5.2	CITY OF OLIVE HILL	2014	12	12/14/2019	0.016	466.834	0	492		0
5.2	CITY OF OLIVE HILL	2015	1	1/15/2019	0	574.452	0	727.5		0
5.2	CITY OF OLIVE HILL	2015	2	2/15/2019	0	717.939	0	830.5		0
5.2	CITY OF OLIVE HILL	2015	3	3/15/2019	0	754.199	0	335		0
5.2	CITY OF OLIVE HILL	2015	4	4/15/2019	4.696	212.636	9.5	71		0
5.2	CITY OF OLIVE HILL	2015	5	5/15/2019	51.314	52.443	154.5	1		0
5.2	CITY OF OLIVE HILL	2015	6	6/15/2019	188.37	1.784	264.5	0		0
5.2	CITY OF OLIVE HILL	2015	7	7/15/2019	267.697	0	286.5	0		0
5.2	CITY OF OLIVE HILL	2015	8	8/15/2019	284.273	0	223.5	0		0
5.2	CITY OF OLIVE HILL	2015	9	9/15/2019	216.743	0	150	0		0
5.2	CITY OF OLIVE HILL	2015	10	10/15/2019	68.708	17.508	3.5	74.5		0
5.2	CITY OF OLIVE HILL	2015	11	11/15/2019	4.745	101.106	3.5	185.5		0
5.2	CITY OF OLIVE HILL	2015	12	12/15/2019	0.982	248.782	0	256.5		0
5.2	CITY OF OLIVE HILL	2016	1	1/16/2019	0	410.005	0	747		0
5.2	CITY OF OLIVE HILL	2016	2	2/16/2019	0	684.951	0	475.5		0
5.2	CITY OF OLIVE HILL	2016	3	3/16/2019	1.227	385.837	6	165		0
5.2	CITY OF OLIVE HILL	2016	4	4/16/2019	9.114	138.365	39	102		0
5.2	CITY OF OLIVE HILL	2016	5	5/16/2019	48.205	46.127	88.5	19.5		0
5.2	CITY OF OLIVE HILL	2016	6	6/16/2019	163.285	10.8	278	0		0
5.2	CITY OF OLIVE HILL	2016	7	7/16/2019	304.072	0	376.5	0		0
5.2	CITY OF OLIVE HILL	2016	8	8/16/2019	406.716	0	426.5	0		0
5.2	CITY OF OLIVE HILL	2016	9	9/16/2019	374.252	0	264.5	0		0
5.2	CITY OF OLIVE HILL	2016	10	10/16/2019	179.174	1.8	57	13		0
5.2	CITY OF OLIVE HILL	2016	11	11/16/2019	43.231	59.496	7	198.5		0
5.2	CITY OF OLIVE HILL	2016	12	12/16/2019	1.784	349.086	0	512.5		0
5.2	CITY OF OLIVE HILL	2017	1	1/17/2019	0	470.515	0	425		0
5.2	CITY OF OLIVE HILL	2017	2	2/17/2019	0	392.104	0.5	280.5		0
5.2	CITY OF OLIVE HILL	2017	3	3/17/2019	0.589	307.884	1.5	304		0

Confidential

Kentucky Power Company
 Wholesale Energy Models Input Data

revcls	name	YEAR	MONTH	time	bccd65	bhdd55	CDD65	HDD55	KWH	OLV1
5.2	CITY OF OLIVE HILL	2017	4	4/17/2019	13.925	190.497	66	36		0
5.2	CITY OF OLIVE HILL	2017	5	5/17/2019	73.584	26.001	95	16.5		0
5.2	CITY OF OLIVE HILL	2017	6	6/17/2019	138.414	6.267	214.5	0		0
5.2	CITY OF OLIVE HILL	2017	7	7/17/2019	276.762	0	345.5	0		0
5.2	CITY OF OLIVE HILL	2017	8	8/17/2019	295.694	0	235	0		0
5.2	CITY OF OLIVE HILL	2017	9	9/17/2019	176.278	0	126	0		0
5.2	CITY OF OLIVE HILL	2017	10	10/17/2019	129.987	3.42	50.5	68		0
5.2	CITY OF OLIVE HILL	2017	11	11/17/2019	23.644	138.61	3	269		0
5.2	CITY OF OLIVE HILL	2017	12	12/17/2019	0.884	372.551	0	605.5		0
5.2	CITY OF OLIVE HILL	2018	1	1/18/2019	1.833	739.93	3.5	717		0
5.2	CITY OF OLIVE HILL	2018	2	2/18/2019	3.093	599.929	7.5	314.5		0
5.2	CITY OF OLIVE HILL	2018	3	3/18/2019	6.218	334.376	0	405		0
5.2	CITY OF OLIVE HILL	2018	4	4/18/2019	7.167	321.367	17.5	163.5		0
5.2	CITY OF OLIVE HILL	2018	5	5/18/2019	77.92	78.935	244.5	0		0
5.2	CITY OF OLIVE HILL	2018	6	6/18/2019	262.363	1.064	294	0		0
5.2	CITY OF OLIVE HILL	2018	7	7/18/2019	349.839	0	351.5	0		0
5.2	CITY OF OLIVE HILL	2018	8	8/18/2019	319.404	0	329	0		0
5.2	CITY OF OLIVE HILL	2018	9	9/18/2019	323.511	0	253.5	0		0
5.2	CITY OF OLIVE HILL	2018	10	10/18/2019	202.638	20.028	92	102.5		0
5.2	CITY OF OLIVE HILL	2018	11	11/18/2019	29.617	193.999	1	393		0
5.2	CITY OF OLIVE HILL	2018	12	12/18/2019	0.164	447.035	0	458		0
5.2	CITY OF OLIVE HILL	2019	1	1/19/2019	0	455.478	0	614.5		0
5.2	CITY OF OLIVE HILL	2019	2	2/19/2019	0.133	607.582	0.367	484.617		0
5.2	CITY OF OLIVE HILL	2019	3	3/19/2019	1.815	456.117	7.417	315.133		0
5.2	CITY OF OLIVE HILL	2019	4	4/19/2019	14.237	226.324	30.333	90.15		0
5.2	CITY OF OLIVE HILL	2019	5	5/19/2019	46.554	52.944	97.067	13		0
5.2	CITY OF OLIVE HILL	2019	6	6/19/2019	142.415	6.464	240.15	0.033		0
5.2	CITY OF OLIVE HILL	2019	7	7/19/2019	289.038	0.013	340.867	0		0
5.2	CITY OF OLIVE HILL	2019	8	8/19/2019	324.97	0	307.267	0		0
5.2	CITY OF OLIVE HILL	2019	9	9/19/2019	262.68	0.145	142.717	2.85		0
5.2	CITY OF OLIVE HILL	2019	10	10/19/2019	90.022	19.463	25.367	78.767		0
5.2	CITY OF OLIVE HILL	2019	11	11/19/2019	12.435	145.89	2.283	282.35		0
5.2	CITY OF OLIVE HILL	2019	12	12/19/2019	1.243	376.642	0.167	532.483		0

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Kentucky Power Company
 Wholesale Energy Models Input Data

revcls	name	YEAR	MONTH	time	bccd65	bhdd55	CDD65	HDD55	KWH	OLV1
	5.2 CITY OF OLIVE HILL	2020	1	1/20/2019	0.188	564.45	0.183	629.933		0
	5.2 CITY OF OLIVE HILL	2020	2	2/20/2019	0.133	607.582	0.367	484.617		0
	5.2 CITY OF OLIVE HILL	2020	3	3/20/2019	1.815	456.117	7.417	315.133		0
	5.2 CITY OF OLIVE HILL	2020	4	4/20/2019	14.237	226.324	30.333	90.15		0
	5.2 CITY OF OLIVE HILL	2020	5	5/20/2019	46.554	52.944	97.067	13		0
	5.2 CITY OF OLIVE HILL	2020	6	6/20/2019	142.415	6.464	240.15	0.033		0
	5.2 CITY OF OLIVE HILL	2020	7	7/20/2019	289.038	0.013	340.867	0		0
	5.2 CITY OF OLIVE HILL	2020	8	8/20/2019	324.97	0	307.267	0		0
	5.2 CITY OF OLIVE HILL	2020	9	9/20/2019	262.68	0.145	142.717	2.85		0
	5.2 CITY OF OLIVE HILL	2020	10	10/20/2019	90.022	19.463	25.367	78.767		0
	5.2 CITY OF OLIVE HILL	2020	11	11/20/2019	12.435	145.89	2.283	282.35		0
	5.2 CITY OF OLIVE HILL	2020	12	12/20/2019	1.243	376.642	0.167	532.483		0
	5.2 CITY OF OLIVE HILL	2021	1	1/21/2019	0.188	564.45	0.183	629.933		0
	5.2 CITY OF OLIVE HILL	2021	2	2/21/2019	0.133	607.582	0.367	484.617		0
	5.2 CITY OF OLIVE HILL	2021	3	3/21/2019	1.815	456.117	7.417	315.133		0
	5.2 CITY OF OLIVE HILL	2021	4	4/21/2019	14.237	226.324	30.333	90.15		0
	5.2 CITY OF OLIVE HILL	2021	5	5/21/2019	46.554	52.944	97.067	13		0
	5.2 CITY OF OLIVE HILL	2021	6	6/21/2019	142.415	6.464	240.15	0.033		0
	5.2 CITY OF OLIVE HILL	2021	7	7/21/2019	289.038	0.013	340.867	0		0
	5.2 CITY OF OLIVE HILL	2021	8	8/21/2019	324.97	0	307.267	0		0
	5.2 CITY OF OLIVE HILL	2021	9	9/21/2019	262.68	0.145	142.717	2.85		0
	5.2 CITY OF OLIVE HILL	2021	10	10/21/2019	90.022	19.463	25.367	78.767		0
	5.2 CITY OF OLIVE HILL	2021	11	11/21/2019	12.435	145.89	2.283	282.35		0
	5.2 CITY OF OLIVE HILL	2021	12	12/21/2019	1.243	376.642	0.167	532.483		0
	5.2 CITY OF OLIVE HILL	2022	1	1/22/2019	0.188	564.45	0.183	629.933		0
	5.2 CITY OF OLIVE HILL	2022	2	2/22/2019	0.133	607.582	0.367	484.617		0
	5.2 CITY OF OLIVE HILL	2022	3	3/22/2019	1.815	456.117	7.417	315.133		0
	5.2 CITY OF OLIVE HILL	2022	4	4/22/2019	14.237	226.324	30.333	90.15		0
	5.2 CITY OF OLIVE HILL	2022	5	5/22/2019	46.554	52.944	97.067	13		0
	5.2 CITY OF OLIVE HILL	2022	6	6/22/2019	142.415	6.464	240.15	0.033		0
	5.2 CITY OF OLIVE HILL	2022	7	7/22/2019	289.038	0.013	340.867	0		0
	5.2 CITY OF OLIVE HILL	2022	8	8/22/2019	324.97	0	307.267	0		0
	5.2 CITY OF OLIVE HILL	2022	9	9/22/2019	262.68	0.145	142.717	2.85		0

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Kentucky Power Company
 Wholesale Energy Models Input Data

revcls	name	YEAR	MONTH	time	bccd65	bhdd55	CDD65	HDD55	KWH	OLV1
	5.2 CITY OF OLIVE HILL	2022	10	10/22/2019	90.022	19.463	25.367	78.767		0
	5.2 CITY OF OLIVE HILL	2022	11	11/22/2019	12.435	145.89	2.283	282.35		0
	5.2 CITY OF OLIVE HILL	2022	12	12/22/2019	1.243	376.642	0.167	532.483		0
	5.2 CITY OF VANCEBURG	2009	1	1/9/2019	0	601.566	0	801		0
	5.2 CITY OF VANCEBURG	2009	2	2/9/2019	0	731.275	0	479		0
	5.2 CITY OF VANCEBURG	2009	3	3/9/2019	4.156	472.102	6.5	272		0
	5.2 CITY OF VANCEBURG	2009	4	4/9/2019	3.158	182.25	50	90		0
	5.2 CITY OF VANCEBURG	2009	5	5/9/2019	60.51	47.109	76	6.5		0
	5.2 CITY OF VANCEBURG	2009	6	6/9/2019	121.756	4.565	216.5	0		0
	5.2 CITY OF VANCEBURG	2009	7	7/9/2019	209.985	0	183	0		0
	5.2 CITY OF VANCEBURG	2009	8	8/9/2019	216.563	0	253	0		0
	5.2 CITY OF VANCEBURG	2009	9	9/9/2019	207.089	0	115.5	3.5		0
	5.2 CITY OF VANCEBURG	2009	10	10/9/2019	73.977	32.971	5	96		0
	5.2 CITY OF VANCEBURG	2009	11	11/9/2019	3.044	131.296	0	193		0
	5.2 CITY OF VANCEBURG	2009	12	12/9/2019	0.196	344.652	0	611.5		0
	5.2 CITY OF VANCEBURG	2010	1	1/10/2019	0	710.395	0	778.5		0
	5.2 CITY OF VANCEBURG	2010	2	2/10/2019	0	710.461	0	676		0
	5.2 CITY OF VANCEBURG	2010	3	3/10/2019	0	582.127	0	245		0
	5.2 CITY OF VANCEBURG	2010	4	4/10/2019	24.266	135.648	41.5	38		0
	5.2 CITY OF VANCEBURG	2010	5	5/10/2019	38.109	35.246	111	11		0
	5.2 CITY OF VANCEBURG	2010	6	6/10/2019	185.686	5.711	310.5	0		0
	5.2 CITY OF VANCEBURG	2010	7	7/10/2019	334.196	0	374	0		0
	5.2 CITY OF VANCEBURG	2010	8	8/10/2019	389.928	0	361.5	0		0
	5.2 CITY OF VANCEBURG	2010	9	9/10/2019	275.617	0	159.5	0		0
	5.2 CITY OF VANCEBURG	2010	10	10/10/2019	103.495	11.241	14	39.5		0
	5.2 CITY OF VANCEBURG	2010	11	11/10/2019	9.981	119.924	0	268.5		0
	5.2 CITY OF VANCEBURG	2010	12	12/10/2019	0	488.105	0	819		0
	5.2 CITY OF VANCEBURG	2011	1	1/11/2019	0	776.485	0	779		0
	5.2 CITY OF VANCEBURG	2011	2	2/11/2019	0	708.579	0	430.5		0
	5.2 CITY OF VANCEBURG	2011	3	3/11/2019	1.587	368.182	8.5	310		0
	5.2 CITY OF VANCEBURG	2011	4	4/11/2019	15.299	236.64	33	56		0
	5.2 CITY OF VANCEBURG	2011	5	5/11/2019	45.947	45.882	106.5	34.5		0
	5.2 CITY OF VANCEBURG	2011	6	6/11/2019	172.056	14.776	224	0		0

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 Wholesale Energy Models Input Data

revcls	name	YEAR	MONTH	time	bccd65	bhdd55	CDD65	HDD55	KWH	OLV1
5.2	CITY OF VANCEBURG	2011	7	7/11/2019	268.761	0	417	0		0
5.2	CITY OF VANCEBURG	2011	8	8/11/2019	397.766	0	299.5	0		0
5.2	CITY OF VANCEBURG	2011	9	9/11/2019	237.851	0.164	101.5	1		0
5.2	CITY OF VANCEBURG	2011	10	10/11/2019	42.413	28.815	0	117		0
5.2	CITY OF VANCEBURG	2011	11	11/11/2019	0.982	144.19	2.5	172.5		0
5.2	CITY OF VANCEBURG	2011	12	12/11/2019	1.473	263.279	0	405.5		0
5.2	CITY OF VANCEBURG	2012	1	1/12/2019	0	454.234	0	503		0
5.2	CITY OF VANCEBURG	2012	2	2/12/2019	0	472.904	0	425.5		0
5.2	CITY OF VANCEBURG	2012	3	3/12/2019	8.787	339.498	39	114		0
5.2	CITY OF VANCEBURG	2012	4	4/12/2019	36.62	71.457	17	78		0
5.2	CITY OF VANCEBURG	2012	5	5/12/2019	53.245	48.483	150	0		0
5.2	CITY OF VANCEBURG	2012	6	6/12/2019	157.493	0.245	237.5	0		0
5.2	CITY OF VANCEBURG	2012	7	7/12/2019	352.571	0	414.5	0		0
5.2	CITY OF VANCEBURG	2012	8	8/12/2019	346.844	0	277.5	0		0
5.2	CITY OF VANCEBURG	2012	9	9/12/2019	244.511	0.589	123.5	9.5		0
5.2	CITY OF VANCEBURG	2012	10	10/12/2019	58.841	39.156	17	127		0
5.2	CITY OF VANCEBURG	2012	11	11/12/2019	7.56	203.44	0	354.5		0
5.2	CITY OF VANCEBURG	2012	12	12/12/2019	0	332.134	0	401		0
5.2	CITY OF VANCEBURG	2013	1	1/13/2019	0	510.326	0	586.5		0
5.2	CITY OF VANCEBURG	2013	2	2/13/2019	0	598.326	0	511.5		0
5.2	CITY OF VANCEBURG	2013	3	3/13/2019	0	516.659	0	469		0
5.2	CITY OF VANCEBURG	2013	4	4/13/2019	17.345	337.878	41	85		0
5.2	CITY OF VANCEBURG	2013	5	5/13/2019	46.782	41.071	124	11		0
5.2	CITY OF VANCEBURG	2013	6	6/13/2019	171.516	7.183	243.5	0		0
5.2	CITY OF VANCEBURG	2013	7	7/13/2019	299.179	0	325.5	0		0
5.2	CITY OF VANCEBURG	2013	8	8/13/2019	279.544	0	263.5	0		0
5.2	CITY OF VANCEBURG	2013	9	9/13/2019	241.353	0	129.5	0		0
5.2	CITY OF VANCEBURG	2013	10	10/13/2019	95.527	9.981	48	96		0
5.2	CITY OF VANCEBURG	2013	11	11/13/2019	13.761	167.622	0.5	366		0
5.2	CITY OF VANCEBURG	2013	12	12/13/2019	0.409	453.056	1	504.5		0
5.2	CITY OF VANCEBURG	2014	1	1/14/2019	0.785	604.086	0	850		0
5.2	CITY OF VANCEBURG	2014	2	2/14/2019	0	802.093	0	580		0
5.2	CITY OF VANCEBURG	2014	3	3/14/2019	0	572.702	0	436.5		0

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Kentucky Power Company
 Wholesale Energy Models Input Data

revcls	name	YEAR	MONTH	time	bccd65	bhdd55	CDD65	HDD55	KWH	OLV1
5.2	CITY OF VANCEBURG	2014	4	4/14/2019	6.202	279.969	16	45.5		0
5.2	CITY OF VANCEBURG	2014	5	5/14/2019	33.495	34.362	94	15.5		0
5.2	CITY OF VANCEBURG	2014	6	6/14/2019	129.349	9.49	236	0		0
5.2	CITY OF VANCEBURG	2014	7	7/14/2019	273.44	0	227.5	0		0
5.2	CITY OF VANCEBURG	2014	8	8/14/2019	193.999	0	232	0		0
5.2	CITY OF VANCEBURG	2014	9	9/14/2019	225.35	0	116.5	0		0
5.2	CITY OF VANCEBURG	2014	10	10/14/2019	57.139	17.23	10.5	75.5		0
5.2	CITY OF VANCEBURG	2014	11	11/14/2019	5.351	193.328	0	432.5		0
5.2	CITY OF VANCEBURG	2014	12	12/14/2019	0.016	466.834	0	492		0
5.2	CITY OF VANCEBURG	2015	1	1/15/2019	0	574.452	0	727.5		0
5.2	CITY OF VANCEBURG	2015	2	2/15/2019	0	717.939	0	830.5		0
5.2	CITY OF VANCEBURG	2015	3	3/15/2019	0	754.199	0	335		0
5.2	CITY OF VANCEBURG	2015	4	4/15/2019	4.696	212.636	9.5	71		0
5.2	CITY OF VANCEBURG	2015	5	5/15/2019	51.314	52.443	154.5	1		0
5.2	CITY OF VANCEBURG	2015	6	6/15/2019	188.37	1.784	264.5	0		0
5.2	CITY OF VANCEBURG	2015	7	7/15/2019	267.697	0	286.5	0		0
5.2	CITY OF VANCEBURG	2015	8	8/15/2019	284.273	0	223.5	0		0
5.2	CITY OF VANCEBURG	2015	9	9/15/2019	216.743	0	150	0		0
5.2	CITY OF VANCEBURG	2015	10	10/15/2019	68.708	17.508	3.5	74.5		0
5.2	CITY OF VANCEBURG	2015	11	11/15/2019	4.745	101.106	3.5	185.5		0
5.2	CITY OF VANCEBURG	2015	12	12/15/2019	0.982	248.782	0	256.5		0
5.2	CITY OF VANCEBURG	2016	1	1/16/2019	0	410.005	0	747		0
5.2	CITY OF VANCEBURG	2016	2	2/16/2019	0	684.951	0	475.5		0
5.2	CITY OF VANCEBURG	2016	3	3/16/2019	1.227	385.837	6	165		0
5.2	CITY OF VANCEBURG	2016	4	4/16/2019	9.114	138.365	39	102		0
5.2	CITY OF VANCEBURG	2016	5	5/16/2019	48.205	46.127	88.5	19.5		0
5.2	CITY OF VANCEBURG	2016	6	6/16/2019	163.285	10.8	278	0		0
5.2	CITY OF VANCEBURG	2016	7	7/16/2019	304.072	0	376.5	0		0
5.2	CITY OF VANCEBURG	2016	8	8/16/2019	406.716	0	426.5	0		0
5.2	CITY OF VANCEBURG	2016	9	9/16/2019	374.252	0	264.5	0		0
5.2	CITY OF VANCEBURG	2016	10	10/16/2019	179.174	1.8	57	13		0
5.2	CITY OF VANCEBURG	2016	11	11/16/2019	43.231	59.496	7	198.5		0
5.2	CITY OF VANCEBURG	2016	12	12/16/2019	1.784	349.086	0	512.5		0

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Kentucky Power Company
 Wholesale Energy Models Input Data

revcls	name	YEAR	MONTH	time	bccd65	bhdd55	CDD65	HDD55	KWH	OLV1
5.2	CITY OF VANCEBURG	2017	1	1/17/2019	0	470.515	0	425		0
5.2	CITY OF VANCEBURG	2017	2	2/17/2019	0	392.104	0.5	280.5		0
5.2	CITY OF VANCEBURG	2017	3	3/17/2019	0.589	307.884	1.5	304		0
5.2	CITY OF VANCEBURG	2017	4	4/17/2019	13.925	190.497	66	36		0
5.2	CITY OF VANCEBURG	2017	5	5/17/2019	73.584	26.001	95	16.5		0
5.2	CITY OF VANCEBURG	2017	6	6/17/2019	138.414	6.267	214.5	0		0
5.2	CITY OF VANCEBURG	2017	7	7/17/2019	276.762	0	345.5	0		0
5.2	CITY OF VANCEBURG	2017	8	8/17/2019	295.694	0	235	0		0
5.2	CITY OF VANCEBURG	2017	9	9/17/2019	176.278	0	126	0		0
5.2	CITY OF VANCEBURG	2017	10	10/17/2019	129.987	3.42	50.5	68		0
5.2	CITY OF VANCEBURG	2017	11	11/17/2019	23.644	138.61	3	269		0
5.2	CITY OF VANCEBURG	2017	12	12/17/2019	0.884	372.551	0	605.5		0
5.2	CITY OF VANCEBURG	2018	1	1/18/2019	1.833	739.93	3.5	717		0
5.2	CITY OF VANCEBURG	2018	2	2/18/2019	3.093	599.929	7.5	314.5		0
5.2	CITY OF VANCEBURG	2018	3	3/18/2019	6.218	334.376	0	405		0
5.2	CITY OF VANCEBURG	2018	4	4/18/2019	7.167	321.367	17.5	163.5		0
5.2	CITY OF VANCEBURG	2018	5	5/18/2019	77.92	78.935	244.5	0		0
5.2	CITY OF VANCEBURG	2018	6	6/18/2019	262.363	1.064	294	0		0
5.2	CITY OF VANCEBURG	2018	7	7/18/2019	349.839	0	351.5	0		0
5.2	CITY OF VANCEBURG	2018	8	8/18/2019	319.404	0	329	0		0
5.2	CITY OF VANCEBURG	2018	9	9/18/2019	323.511	0	253.5	0		0
5.2	CITY OF VANCEBURG	2018	10	10/18/2019	202.638	20.028	92	102.5		0
5.2	CITY OF VANCEBURG	2018	11	11/18/2019	29.617	193.999	1	393		0
5.2	CITY OF VANCEBURG	2018	12	12/18/2019	0.164	447.035	0	458		0
5.2	CITY OF VANCEBURG	2019	1	1/19/2019	0	455.478	0	614.5		0
5.2	CITY OF VANCEBURG	2019	2	2/19/2019	0.133	607.582	0.367	484.617		0
5.2	CITY OF VANCEBURG	2019	3	3/19/2019	1.815	456.117	7.417	315.133		0
5.2	CITY OF VANCEBURG	2019	4	4/19/2019	14.237	226.324	30.333	90.15		0
5.2	CITY OF VANCEBURG	2019	5	5/19/2019	46.554	52.944	97.067	13		0
5.2	CITY OF VANCEBURG	2019	6	6/19/2019	142.415	6.464	240.15	0.033		0
5.2	CITY OF VANCEBURG	2019	7	7/19/2019	289.038	0.013	340.867	0		0
5.2	CITY OF VANCEBURG	2019	8	8/19/2019	324.97	0	307.267	0		0
5.2	CITY OF VANCEBURG	2019	9	9/19/2019	262.68	0.145	142.717	2.85		0

Kentucky Power Company
Wholesale Energy Models Input Data

revcls	name	YEAR	MONTH	time	bccd65	bhdd55	CDD65	HDD55	KWH	OLV1
	5.2 CITY OF VANCEBURG	2019	10	10/19/2019	90.022	19.463	25.367	78.767		0
	5.2 CITY OF VANCEBURG	2019	11	11/19/2019	12.435	145.89	2.283	282.35		0
	5.2 CITY OF VANCEBURG	2019	12	12/19/2019	1.243	376.642	0.167	532.483		0
	5.2 CITY OF VANCEBURG	2020	1	1/20/2019	0.188	564.45	0.183	629.933		0
	5.2 CITY OF VANCEBURG	2020	2	2/20/2019	0.133	607.582	0.367	484.617		0
	5.2 CITY OF VANCEBURG	2020	3	3/20/2019	1.815	456.117	7.417	315.133		0
	5.2 CITY OF VANCEBURG	2020	4	4/20/2019	14.237	226.324	30.333	90.15		0
	5.2 CITY OF VANCEBURG	2020	5	5/20/2019	46.554	52.944	97.067	13		0
	5.2 CITY OF VANCEBURG	2020	6	6/20/2019	142.415	6.464	240.15	0.033		0
	5.2 CITY OF VANCEBURG	2020	7	7/20/2019	289.038	0.013	340.867	0		0
	5.2 CITY OF VANCEBURG	2020	8	8/20/2019	324.97	0	307.267	0		0
	5.2 CITY OF VANCEBURG	2020	9	9/20/2019	262.68	0.145	142.717	2.85		0
	5.2 CITY OF VANCEBURG	2020	10	10/20/2019	90.022	19.463	25.367	78.767		0
	5.2 CITY OF VANCEBURG	2020	11	11/20/2019	12.435	145.89	2.283	282.35		0
	5.2 CITY OF VANCEBURG	2020	12	12/20/2019	1.243	376.642	0.167	532.483		0
	5.2 CITY OF VANCEBURG	2021	1	1/21/2019	0.188	564.45	0.183	629.933		0
	5.2 CITY OF VANCEBURG	2021	2	2/21/2019	0.133	607.582	0.367	484.617		0
	5.2 CITY OF VANCEBURG	2021	3	3/21/2019	1.815	456.117	7.417	315.133		0
	5.2 CITY OF VANCEBURG	2021	4	4/21/2019	14.237	226.324	30.333	90.15		0
	5.2 CITY OF VANCEBURG	2021	5	5/21/2019	46.554	52.944	97.067	13		0
	5.2 CITY OF VANCEBURG	2021	6	6/21/2019	142.415	6.464	240.15	0.033		0
	5.2 CITY OF VANCEBURG	2021	7	7/21/2019	289.038	0.013	340.867	0		0
	5.2 CITY OF VANCEBURG	2021	8	8/21/2019	324.97	0	307.267	0		0
	5.2 CITY OF VANCEBURG	2021	9	9/21/2019	262.68	0.145	142.717	2.85		0
	5.2 CITY OF VANCEBURG	2021	10	10/21/2019	90.022	19.463	25.367	78.767		0
	5.2 CITY OF VANCEBURG	2021	11	11/21/2019	12.435	145.89	2.283	282.35		0
	5.2 CITY OF VANCEBURG	2021	12	12/21/2019	1.243	376.642	0.167	532.483		0
	5.2 CITY OF VANCEBURG	2022	1	1/22/2019	0.188	564.45	0.183	629.933		0
	5.2 CITY OF VANCEBURG	2022	2	2/22/2019	0.133	607.582	0.367	484.617		0
	5.2 CITY OF VANCEBURG	2022	3	3/22/2019	1.815	456.117	7.417	315.133		0
	5.2 CITY OF VANCEBURG	2022	4	4/22/2019	14.237	226.324	30.333	90.15		0
	5.2 CITY OF VANCEBURG	2022	5	5/22/2019	46.554	52.944	97.067	13		0
	5.2 CITY OF VANCEBURG	2022	6	6/22/2019	142.415	6.464	240.15	0.033		0

Confidential

Kentucky Power Company
 Wholesale Energy Models Input Data

revcls	name	YEAR	MONTH	time	bccd65	bhdd55	CDD65	HDD55	KWH	OLV1
	5.2 CITY OF VANCEBURG	2022	7	7/22/2019	289.038	0.013	340.867	0		0
	5.2 CITY OF VANCEBURG	2022	8	8/22/2019	324.97	0	307.267	0		0
	5.2 CITY OF VANCEBURG	2022	9	9/22/2019	262.68	0.145	142.717	2.85		0
	5.2 CITY OF VANCEBURG	2022	10	10/22/2019	90.022	19.463	25.367	78.767		0
	5.2 CITY OF VANCEBURG	2022	11	11/22/2019	12.435	145.89	2.283	282.35		0
	5.2 CITY OF VANCEBURG	2022	12	12/22/2019	1.243	376.642	0.167	532.483		0

Confidential

Kentucky Power Company
 Wholesale Energy Models Input Data

revcls	name	YEAR	MONTH	OLV2	OLV3	OLV4	VNC1	VNC2	VNC3	VNC4
5.2	CITY OF OLIVE HILL	2009	1	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2009	2	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2009	3	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2009	4	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2009	5	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2009	6	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2009	7	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2009	8	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2009	9	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2009	10	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2009	11	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2009	12	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2010	1	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2010	2	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2010	3	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2010	4	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2010	5	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2010	6	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2010	7	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2010	8	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2010	9	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2010	10	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2010	11	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2010	12	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2011	1	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2011	2	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2011	3	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2011	4	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2011	5	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2011	6	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2011	7	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2011	8	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2011	9	0	0	0	0	0	0	0

Confidential

Kentucky Power Company
 Wholesale Energy Models Input Data

revcls	name	YEAR	MONTH	OLV2	OLV3	OLV4	VNC1	VNC2	VNC3	VNC4
5.2	CITY OF OLIVE HILL	2011	10	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2011	11	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2011	12	0	0	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2012	1	1	1	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2012	2	1	1	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2012	3	1	1	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2012	4	1	1	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2012	5	1	1	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2012	6	1	1	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2012	7	1	1	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2012	8	1	1	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2012	9	1	1	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2012	10	1	1	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2012	11	1	1	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2012	12	1	1	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2013	1	1	1	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2013	2	1	1	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2013	3	1	1	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2013	4	1	1	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2013	5	1	1	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2013	6	1	1	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2013	7	1	1	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2013	8	1	1	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2013	9	1	1	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2013	10	1	1	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2013	11	1	1	0	0	0	0	0
5.2	CITY OF OLIVE HILL	2013	12	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2014	1	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2014	2	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2014	3	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2014	4	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2014	5	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2014	6	1	1	1	0	0	0	0

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Kentucky Power Company
 Wholesale Energy Models Input Data

revcls	name	YEAR	MONTH	OLV2	OLV3	OLV4	VNC1	VNC2	VNC3	VNC4
5.2	CITY OF OLIVE HILL	2014	7	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2014	8	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2014	9	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2014	10	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2014	11	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2014	12	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2015	1	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2015	2	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2015	3	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2015	4	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2015	5	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2015	6	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2015	7	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2015	8	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2015	9	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2015	10	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2015	11	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2015	12	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2016	1	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2016	2	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2016	3	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2016	4	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2016	5	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2016	6	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2016	7	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2016	8	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2016	9	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2016	10	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2016	11	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2016	12	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2017	1	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2017	2	1	1	1	0	0	0	0
5.2	CITY OF OLIVE HILL	2017	3	1	1	1	0	0	0	0

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Kentucky Power Company
 Wholesale Energy Models Input Data

revcls	name	YEAR	MONTH	OLV2	OLV3	OLV4	VNC1	VNC2	VNC3	VNC4
	5.2 CITY OF OLIVE HILL	2017	4	1	1	1	0	0	0	0
	5.2 CITY OF OLIVE HILL	2017	5	1	1	1	0	0	0	0
	5.2 CITY OF OLIVE HILL	2017	6	1	1	1	0	0	0	0
	5.2 CITY OF OLIVE HILL	2017	7	1	1	1	1	0	0	0
	5.2 CITY OF OLIVE HILL	2017	8	1	1	1	1	0	0	0
	5.2 CITY OF OLIVE HILL	2017	9	1	1	1	1	0	0	0
	5.2 CITY OF OLIVE HILL	2017	10	1	1	1	1	0	0	0
	5.2 CITY OF OLIVE HILL	2017	11	1	1	1	1	0	0	0
	5.2 CITY OF OLIVE HILL	2017	12	1	1	1	1	0	0	0
	5.2 CITY OF OLIVE HILL	2018	1	1	1	1	1	0	0	0
	5.2 CITY OF OLIVE HILL	2018	2	1	1	1	1	0	0	0
	5.2 CITY OF OLIVE HILL	2018	3	1	1	1	1	0	0	0
	5.2 CITY OF OLIVE HILL	2018	4	1	1	1	1	0	0	0
	5.2 CITY OF OLIVE HILL	2018	5	1	1	1	1	0	0	0
	5.2 CITY OF OLIVE HILL	2018	6	1	1	1	1	0	0	0
	5.2 CITY OF OLIVE HILL	2018	7	1	1	1	1	0	0	0
	5.2 CITY OF OLIVE HILL	2018	8	1	1	1	1	0	0	0
	5.2 CITY OF OLIVE HILL	2018	9	1	1	1	1	0	0	0
	5.2 CITY OF OLIVE HILL	2018	10	1	1	1	1	0	0	0
	5.2 CITY OF OLIVE HILL	2018	11	1	1	1	1	0	0	0
	5.2 CITY OF OLIVE HILL	2018	12	1	1	1	1	0	0	0
	5.2 CITY OF OLIVE HILL	2019	1	1	1	1	1	0	0	0
	5.2 CITY OF OLIVE HILL	2019	2	1	1	1	1	0	0	0
	5.2 CITY OF OLIVE HILL	2019	3	1	1	1	1	0	0	0
	5.2 CITY OF OLIVE HILL	2019	4	1	1	1	1	0	0	0
	5.2 CITY OF OLIVE HILL	2019	5	1	1	1	1	0	0	0
	5.2 CITY OF OLIVE HILL	2019	6	1	1	1	1	0	0	0
	5.2 CITY OF OLIVE HILL	2019	7	1	1	1	1	0	0	0
	5.2 CITY OF OLIVE HILL	2019	8	1	1	1	1	0	0	0
	5.2 CITY OF OLIVE HILL	2019	9	1	1	1	1	0	0	0
	5.2 CITY OF OLIVE HILL	2019	10	1	1	1	1	0	0	0
	5.2 CITY OF OLIVE HILL	2019	11	1	1	1	1	0	0	0
	5.2 CITY OF OLIVE HILL	2019	12	1	1	1	1	0	0	0

Confidential

Kentucky Power Company
 Wholesale Energy Models Input Data

revcls	name	YEAR	MONTH	OLV2	OLV3	OLV4	VNC1	VNC2	VNC3	VNC4
5.2	CITY OF OLIVE HILL	2020	1	1	1	1	1	0	0	0
5.2	CITY OF OLIVE HILL	2020	2	1	1	1	1	0	0	0
5.2	CITY OF OLIVE HILL	2020	3	1	1	1	1	0	0	0
5.2	CITY OF OLIVE HILL	2020	4	1	1	1	1	0	0	0
5.2	CITY OF OLIVE HILL	2020	5	1	1	1	1	0	0	0
5.2	CITY OF OLIVE HILL	2020	6	1	1	1	1	0	0	0
5.2	CITY OF OLIVE HILL	2020	7	1	1	1	1	0	0	0
5.2	CITY OF OLIVE HILL	2020	8	1	1	1	1	0	0	0
5.2	CITY OF OLIVE HILL	2020	9	1	1	1	1	0	0	0
5.2	CITY OF OLIVE HILL	2020	10	1	1	1	1	0	0	0
5.2	CITY OF OLIVE HILL	2020	11	1	1	1	1	0	0	0
5.2	CITY OF OLIVE HILL	2020	12	1	1	1	1	0	0	0
5.2	CITY OF OLIVE HILL	2021	1	1	1	1	1	0	0	0
5.2	CITY OF OLIVE HILL	2021	2	1	1	1	1	0	0	0
5.2	CITY OF OLIVE HILL	2021	3	1	1	1	1	0	0	0
5.2	CITY OF OLIVE HILL	2021	4	1	1	1	1	0	0	0
5.2	CITY OF OLIVE HILL	2021	5	1	1	1	1	0	0	0
5.2	CITY OF OLIVE HILL	2021	6	1	1	1	1	0	0	0
5.2	CITY OF OLIVE HILL	2021	7	1	1	1	1	0	0	0
5.2	CITY OF OLIVE HILL	2021	8	1	1	1	1	0	0	0
5.2	CITY OF OLIVE HILL	2021	9	1	1	1	1	0	0	0
5.2	CITY OF OLIVE HILL	2021	10	1	1	1	1	0	0	0
5.2	CITY OF OLIVE HILL	2021	11	1	1	1	1	0	0	0
5.2	CITY OF OLIVE HILL	2021	12	1	1	1	1	0	0	0
5.2	CITY OF OLIVE HILL	2022	1	1	1	1	1	0	0	0
5.2	CITY OF OLIVE HILL	2022	2	1	1	1	1	0	0	0
5.2	CITY OF OLIVE HILL	2022	3	1	1	1	1	0	0	0
5.2	CITY OF OLIVE HILL	2022	4	1	1	1	1	0	0	0
5.2	CITY OF OLIVE HILL	2022	5	1	1	1	1	0	0	0
5.2	CITY OF OLIVE HILL	2022	6	1	1	1	1	0	0	0
5.2	CITY OF OLIVE HILL	2022	7	1	1	1	1	0	0	0
5.2	CITY OF OLIVE HILL	2022	8	1	1	1	1	0	0	0
5.2	CITY OF OLIVE HILL	2022	9	1	1	1	1	0	0	0

Confidential

Kentucky Power Company
 Wholesale Energy Models Input Data

revcls	name	YEAR	MONTH	OLV2	OLV3	OLV4	VNC1	VNC2	VNC3	VNC4
5.2	CITY OF OLIVE HILL	2022	10	1	1	1	1	0	0	0
5.2	CITY OF OLIVE HILL	2022	11	1	1	1	1	0	0	0
5.2	CITY OF OLIVE HILL	2022	12	1	1	1	1	0	0	0
5.2	CITY OF VANCEBURG	2009	1	0	0	0	0	0	0	0
5.2	CITY OF VANCEBURG	2009	2	0	0	0	0	0	0	0
5.2	CITY OF VANCEBURG	2009	3	0	0	0	0	0	0	0
5.2	CITY OF VANCEBURG	2009	4	0	0	0	0	0	0	0
5.2	CITY OF VANCEBURG	2009	5	0	0	0	0	0	0	0
5.2	CITY OF VANCEBURG	2009	6	0	0	0	0	0	0	0
5.2	CITY OF VANCEBURG	2009	7	0	0	0	0	0	0	0
5.2	CITY OF VANCEBURG	2009	8	0	0	0	0	0	0	0
5.2	CITY OF VANCEBURG	2009	9	0	0	0	0	0	0	0
5.2	CITY OF VANCEBURG	2009	10	0	0	0	0	0	0	0
5.2	CITY OF VANCEBURG	2009	11	0	0	0	0	0	0	0
5.2	CITY OF VANCEBURG	2009	12	0	0	0	0	0	0	0
5.2	CITY OF VANCEBURG	2010	1	0	0	0	0	0	0	0
5.2	CITY OF VANCEBURG	2010	2	0	0	0	0	0	0	0
5.2	CITY OF VANCEBURG	2010	3	0	0	0	0	0	1	0
5.2	CITY OF VANCEBURG	2010	4	0	0	0	0	0	1	0
5.2	CITY OF VANCEBURG	2010	5	0	0	0	0	0	1	0
5.2	CITY OF VANCEBURG	2010	6	0	0	0	0	0	1	0
5.2	CITY OF VANCEBURG	2010	7	0	0	0	0	0	1	0
5.2	CITY OF VANCEBURG	2010	8	0	0	0	0	0	1	0
5.2	CITY OF VANCEBURG	2010	9	0	0	0	0	0	1	0
5.2	CITY OF VANCEBURG	2010	10	0	0	0	0	0	1	0
5.2	CITY OF VANCEBURG	2010	11	0	0	0	0	0	1	0
5.2	CITY OF VANCEBURG	2010	12	0	0	0	0	0	1	0
5.2	CITY OF VANCEBURG	2011	1	0	0	0	0	0	1	0
5.2	CITY OF VANCEBURG	2011	2	0	0	0	0	0	1	0
5.2	CITY OF VANCEBURG	2011	3	0	0	0	0	0	1	0
5.2	CITY OF VANCEBURG	2011	4	0	0	0	0	0	1	0
5.2	CITY OF VANCEBURG	2011	5	0	0	0	0	0	1	1
5.2	CITY OF VANCEBURG	2011	6	0	0	0	0	0	1	0

Confidential

Kentucky Power Company
 Wholesale Energy Models Input Data

revcls	name	YEAR	MONTH	OLV2	OLV3	OLV4	VNC1	VNC2	VNC3	VNC4	
5.2	CITY OF VANCEBURG	2011	7	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2011	8	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2011	9	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2011	10	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2011	11	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2011	12	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2012	1	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2012	2	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2012	3	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2012	4	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2012	5	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2012	6	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2012	7	0	0	0	0	-1	1	0	0
5.2	CITY OF VANCEBURG	2012	8	0	0	0	0	1	1	0	0
5.2	CITY OF VANCEBURG	2012	9	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2012	10	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2012	11	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2012	12	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2013	1	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2013	2	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2013	3	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2013	4	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2013	5	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2013	6	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2013	7	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2013	8	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2013	9	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2013	10	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2013	11	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2013	12	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2014	1	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2014	2	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2014	3	0	0	0	0	0	1	0	0

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Kentucky Power Company
 Wholesale Energy Models Input Data

revcls	name	YEAR	MONTH	OLV2	OLV3	OLV4	VNC1	VNC2	VNC3	VNC4	
5.2	CITY OF VANCEBURG	2014	4	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2014	5	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2014	6	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2014	7	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2014	8	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2014	9	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2014	10	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2014	11	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2014	12	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2015	1	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2015	2	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2015	3	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2015	4	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2015	5	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2015	6	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2015	7	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2015	8	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2015	9	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2015	10	0	0	0	0	0	1	0	0
5.2	CITY OF VANCEBURG	2015	11	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2015	12	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2016	1	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2016	2	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2016	3	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2016	4	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2016	5	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2016	6	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2016	7	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2016	8	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2016	9	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2016	10	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2016	11	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2016	12	0	0	0	0	0	1	1	0

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Kentucky Power Company
 Wholesale Energy Models Input Data

revcls	name	YEAR	MONTH	OLV2	OLV3	OLV4	VNC1	VNC2	VNC3	VNC4	
	5.2 CITY OF VANCEBURG	2017	1	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2017	2	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2017	3	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2017	4	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2017	5	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2017	6	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2017	7	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2017	8	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2017	9	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2017	10	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2017	11	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2017	12	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2018	1	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2018	2	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2018	3	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2018	4	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2018	5	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2018	6	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2018	7	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2018	8	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2018	9	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2018	10	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2018	11	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2018	12	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2019	1	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2019	2	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2019	3	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2019	4	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2019	5	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2019	6	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2019	7	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2019	8	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2019	9	0	0	0	0	0	1	1	0

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Kentucky Power Company
 Wholesale Energy Models Input Data

revcls	name	YEAR	MONTH	OLV2	OLV3	OLV4	VNC1	VNC2	VNC3	VNC4	
5.2	CITY OF VANCEBURG	2019	10	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2019	11	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2019	12	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2020	1	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2020	2	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2020	3	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2020	4	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2020	5	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2020	6	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2020	7	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2020	8	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2020	9	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2020	10	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2020	11	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2020	12	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2021	1	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2021	2	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2021	3	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2021	4	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2021	5	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2021	6	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2021	7	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2021	8	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2021	9	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2021	10	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2021	11	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2021	12	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2022	1	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2022	2	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2022	3	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2022	4	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2022	5	0	0	0	0	0	1	1	0
5.2	CITY OF VANCEBURG	2022	6	0	0	0	0	0	1	1	0

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Kentucky Power Company
 Wholesale Energy Models Input Data

revcls	name	YEAR	MONTH	OLV2	OLV3	OLV4	VNC1	VNC2	VNC3	VNC4	
	5.2 CITY OF VANCEBURG	2022	7	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2022	8	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2022	9	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2022	10	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2022	11	0	0	0	0	0	1	1	0
	5.2 CITY OF VANCEBURG	2022	12	0	0	0	0	0	1	1	0

Kentucky Power Company
Wholesale Energy Models Input Data

revcls	name	YEAR	MONTH	VNC5
5.2	CITY OF OLIVE HILL	2009	1	0
5.2	CITY OF OLIVE HILL	2009	2	0
5.2	CITY OF OLIVE HILL	2009	3	0
5.2	CITY OF OLIVE HILL	2009	4	0
5.2	CITY OF OLIVE HILL	2009	5	0
5.2	CITY OF OLIVE HILL	2009	6	0
5.2	CITY OF OLIVE HILL	2009	7	0
5.2	CITY OF OLIVE HILL	2009	8	0
5.2	CITY OF OLIVE HILL	2009	9	0
5.2	CITY OF OLIVE HILL	2009	10	0
5.2	CITY OF OLIVE HILL	2009	11	0
5.2	CITY OF OLIVE HILL	2009	12	0
5.2	CITY OF OLIVE HILL	2010	1	0
5.2	CITY OF OLIVE HILL	2010	2	0
5.2	CITY OF OLIVE HILL	2010	3	0
5.2	CITY OF OLIVE HILL	2010	4	0
5.2	CITY OF OLIVE HILL	2010	5	0
5.2	CITY OF OLIVE HILL	2010	6	0
5.2	CITY OF OLIVE HILL	2010	7	0
5.2	CITY OF OLIVE HILL	2010	8	0
5.2	CITY OF OLIVE HILL	2010	9	0
5.2	CITY OF OLIVE HILL	2010	10	0
5.2	CITY OF OLIVE HILL	2010	11	0
5.2	CITY OF OLIVE HILL	2010	12	0
5.2	CITY OF OLIVE HILL	2011	1	0
5.2	CITY OF OLIVE HILL	2011	2	0
5.2	CITY OF OLIVE HILL	2011	3	0
5.2	CITY OF OLIVE HILL	2011	4	0
5.2	CITY OF OLIVE HILL	2011	5	0
5.2	CITY OF OLIVE HILL	2011	6	0
5.2	CITY OF OLIVE HILL	2011	7	0
5.2	CITY OF OLIVE HILL	2011	8	0
5.2	CITY OF OLIVE HILL	2011	9	0

Kentucky Power Company
Wholesale Energy Models Input Data

revcls	name	YEAR	MONTH	VNC5
5.2	CITY OF OLIVE HILL	2011	10	0
5.2	CITY OF OLIVE HILL	2011	11	0
5.2	CITY OF OLIVE HILL	2011	12	0
5.2	CITY OF OLIVE HILL	2012	1	0
5.2	CITY OF OLIVE HILL	2012	2	0
5.2	CITY OF OLIVE HILL	2012	3	0
5.2	CITY OF OLIVE HILL	2012	4	0
5.2	CITY OF OLIVE HILL	2012	5	0
5.2	CITY OF OLIVE HILL	2012	6	0
5.2	CITY OF OLIVE HILL	2012	7	0
5.2	CITY OF OLIVE HILL	2012	8	0
5.2	CITY OF OLIVE HILL	2012	9	0
5.2	CITY OF OLIVE HILL	2012	10	0
5.2	CITY OF OLIVE HILL	2012	11	0
5.2	CITY OF OLIVE HILL	2012	12	0
5.2	CITY OF OLIVE HILL	2013	1	0
5.2	CITY OF OLIVE HILL	2013	2	0
5.2	CITY OF OLIVE HILL	2013	3	0
5.2	CITY OF OLIVE HILL	2013	4	0
5.2	CITY OF OLIVE HILL	2013	5	0
5.2	CITY OF OLIVE HILL	2013	6	0
5.2	CITY OF OLIVE HILL	2013	7	0
5.2	CITY OF OLIVE HILL	2013	8	0
5.2	CITY OF OLIVE HILL	2013	9	0
5.2	CITY OF OLIVE HILL	2013	10	0
5.2	CITY OF OLIVE HILL	2013	11	0
5.2	CITY OF OLIVE HILL	2013	12	0
5.2	CITY OF OLIVE HILL	2014	1	0
5.2	CITY OF OLIVE HILL	2014	2	0
5.2	CITY OF OLIVE HILL	2014	3	0
5.2	CITY OF OLIVE HILL	2014	4	0
5.2	CITY OF OLIVE HILL	2014	5	0
5.2	CITY OF OLIVE HILL	2014	6	0

Kentucky Power Company
Wholesale Energy Models Input Data

revcls	name	YEAR	MONTH	VNC5
5.2	CITY OF OLIVE HILL	2014	7	0
5.2	CITY OF OLIVE HILL	2014	8	0
5.2	CITY OF OLIVE HILL	2014	9	0
5.2	CITY OF OLIVE HILL	2014	10	0
5.2	CITY OF OLIVE HILL	2014	11	0
5.2	CITY OF OLIVE HILL	2014	12	0
5.2	CITY OF OLIVE HILL	2015	1	0
5.2	CITY OF OLIVE HILL	2015	2	0
5.2	CITY OF OLIVE HILL	2015	3	0
5.2	CITY OF OLIVE HILL	2015	4	0
5.2	CITY OF OLIVE HILL	2015	5	0
5.2	CITY OF OLIVE HILL	2015	6	0
5.2	CITY OF OLIVE HILL	2015	7	0
5.2	CITY OF OLIVE HILL	2015	8	0
5.2	CITY OF OLIVE HILL	2015	9	0
5.2	CITY OF OLIVE HILL	2015	10	0
5.2	CITY OF OLIVE HILL	2015	11	0
5.2	CITY OF OLIVE HILL	2015	12	0
5.2	CITY OF OLIVE HILL	2016	1	0
5.2	CITY OF OLIVE HILL	2016	2	0
5.2	CITY OF OLIVE HILL	2016	3	0
5.2	CITY OF OLIVE HILL	2016	4	0
5.2	CITY OF OLIVE HILL	2016	5	0
5.2	CITY OF OLIVE HILL	2016	6	0
5.2	CITY OF OLIVE HILL	2016	7	0
5.2	CITY OF OLIVE HILL	2016	8	0
5.2	CITY OF OLIVE HILL	2016	9	0
5.2	CITY OF OLIVE HILL	2016	10	0
5.2	CITY OF OLIVE HILL	2016	11	0
5.2	CITY OF OLIVE HILL	2016	12	0
5.2	CITY OF OLIVE HILL	2017	1	0
5.2	CITY OF OLIVE HILL	2017	2	0
5.2	CITY OF OLIVE HILL	2017	3	0

Kentucky Power Company
Wholesale Energy Models Input Data

revcls	name	YEAR	MONTH	VNC5
5.2	CITY OF OLIVE HILL	2017	4	0
5.2	CITY OF OLIVE HILL	2017	5	0
5.2	CITY OF OLIVE HILL	2017	6	0
5.2	CITY OF OLIVE HILL	2017	7	0
5.2	CITY OF OLIVE HILL	2017	8	0
5.2	CITY OF OLIVE HILL	2017	9	0
5.2	CITY OF OLIVE HILL	2017	10	0
5.2	CITY OF OLIVE HILL	2017	11	0
5.2	CITY OF OLIVE HILL	2017	12	0
5.2	CITY OF OLIVE HILL	2018	1	0
5.2	CITY OF OLIVE HILL	2018	2	0
5.2	CITY OF OLIVE HILL	2018	3	0
5.2	CITY OF OLIVE HILL	2018	4	0
5.2	CITY OF OLIVE HILL	2018	5	0
5.2	CITY OF OLIVE HILL	2018	6	0
5.2	CITY OF OLIVE HILL	2018	7	0
5.2	CITY OF OLIVE HILL	2018	8	0
5.2	CITY OF OLIVE HILL	2018	9	0
5.2	CITY OF OLIVE HILL	2018	10	0
5.2	CITY OF OLIVE HILL	2018	11	0
5.2	CITY OF OLIVE HILL	2018	12	0
5.2	CITY OF OLIVE HILL	2019	1	0
5.2	CITY OF OLIVE HILL	2019	2	0
5.2	CITY OF OLIVE HILL	2019	3	0
5.2	CITY OF OLIVE HILL	2019	4	0
5.2	CITY OF OLIVE HILL	2019	5	0
5.2	CITY OF OLIVE HILL	2019	6	0
5.2	CITY OF OLIVE HILL	2019	7	0
5.2	CITY OF OLIVE HILL	2019	8	0
5.2	CITY OF OLIVE HILL	2019	9	0
5.2	CITY OF OLIVE HILL	2019	10	0
5.2	CITY OF OLIVE HILL	2019	11	0
5.2	CITY OF OLIVE HILL	2019	12	0

Kentucky Power Company
Wholesale Energy Models Input Data

revcls	name	YEAR	MONTH	VNC5
5.2	CITY OF OLIVE HILL	2020	1	0
5.2	CITY OF OLIVE HILL	2020	2	0
5.2	CITY OF OLIVE HILL	2020	3	0
5.2	CITY OF OLIVE HILL	2020	4	0
5.2	CITY OF OLIVE HILL	2020	5	0
5.2	CITY OF OLIVE HILL	2020	6	0
5.2	CITY OF OLIVE HILL	2020	7	0
5.2	CITY OF OLIVE HILL	2020	8	0
5.2	CITY OF OLIVE HILL	2020	9	0
5.2	CITY OF OLIVE HILL	2020	10	0
5.2	CITY OF OLIVE HILL	2020	11	0
5.2	CITY OF OLIVE HILL	2020	12	0
5.2	CITY OF OLIVE HILL	2021	1	0
5.2	CITY OF OLIVE HILL	2021	2	0
5.2	CITY OF OLIVE HILL	2021	3	0
5.2	CITY OF OLIVE HILL	2021	4	0
5.2	CITY OF OLIVE HILL	2021	5	0
5.2	CITY OF OLIVE HILL	2021	6	0
5.2	CITY OF OLIVE HILL	2021	7	0
5.2	CITY OF OLIVE HILL	2021	8	0
5.2	CITY OF OLIVE HILL	2021	9	0
5.2	CITY OF OLIVE HILL	2021	10	0
5.2	CITY OF OLIVE HILL	2021	11	0
5.2	CITY OF OLIVE HILL	2021	12	0
5.2	CITY OF OLIVE HILL	2022	1	0
5.2	CITY OF OLIVE HILL	2022	2	0
5.2	CITY OF OLIVE HILL	2022	3	0
5.2	CITY OF OLIVE HILL	2022	4	0
5.2	CITY OF OLIVE HILL	2022	5	0
5.2	CITY OF OLIVE HILL	2022	6	0
5.2	CITY OF OLIVE HILL	2022	7	0
5.2	CITY OF OLIVE HILL	2022	8	0
5.2	CITY OF OLIVE HILL	2022	9	0

Kentucky Power Company
Wholesale Energy Models Input Data

revcls	name	YEAR	MONTH	VNC5
5.2	CITY OF OLIVE HILL	2022	10	0
5.2	CITY OF OLIVE HILL	2022	11	0
5.2	CITY OF OLIVE HILL	2022	12	0
5.2	CITY OF VANCEBURG	2009	1	0
5.2	CITY OF VANCEBURG	2009	2	0
5.2	CITY OF VANCEBURG	2009	3	0
5.2	CITY OF VANCEBURG	2009	4	0
5.2	CITY OF VANCEBURG	2009	5	0
5.2	CITY OF VANCEBURG	2009	6	0
5.2	CITY OF VANCEBURG	2009	7	0
5.2	CITY OF VANCEBURG	2009	8	0
5.2	CITY OF VANCEBURG	2009	9	0
5.2	CITY OF VANCEBURG	2009	10	0
5.2	CITY OF VANCEBURG	2009	11	0
5.2	CITY OF VANCEBURG	2009	12	0
5.2	CITY OF VANCEBURG	2010	1	0
5.2	CITY OF VANCEBURG	2010	2	0
5.2	CITY OF VANCEBURG	2010	3	0
5.2	CITY OF VANCEBURG	2010	4	0
5.2	CITY OF VANCEBURG	2010	5	0
5.2	CITY OF VANCEBURG	2010	6	0
5.2	CITY OF VANCEBURG	2010	7	0
5.2	CITY OF VANCEBURG	2010	8	0
5.2	CITY OF VANCEBURG	2010	9	0
5.2	CITY OF VANCEBURG	2010	10	0
5.2	CITY OF VANCEBURG	2010	11	0
5.2	CITY OF VANCEBURG	2010	12	0
5.2	CITY OF VANCEBURG	2011	1	0
5.2	CITY OF VANCEBURG	2011	2	0
5.2	CITY OF VANCEBURG	2011	3	0
5.2	CITY OF VANCEBURG	2011	4	0
5.2	CITY OF VANCEBURG	2011	5	0
5.2	CITY OF VANCEBURG	2011	6	0

Kentucky Power Company
Wholesale Energy Models Input Data

revcls	name	YEAR	MONTH	VNC5
5.2	CITY OF VANCEBURG	2011	7	0
5.2	CITY OF VANCEBURG	2011	8	0
5.2	CITY OF VANCEBURG	2011	9	0
5.2	CITY OF VANCEBURG	2011	10	0
5.2	CITY OF VANCEBURG	2011	11	0
5.2	CITY OF VANCEBURG	2011	12	0
5.2	CITY OF VANCEBURG	2012	1	0
5.2	CITY OF VANCEBURG	2012	2	0
5.2	CITY OF VANCEBURG	2012	3	0
5.2	CITY OF VANCEBURG	2012	4	0
5.2	CITY OF VANCEBURG	2012	5	0
5.2	CITY OF VANCEBURG	2012	6	0
5.2	CITY OF VANCEBURG	2012	7	0
5.2	CITY OF VANCEBURG	2012	8	0
5.2	CITY OF VANCEBURG	2012	9	0
5.2	CITY OF VANCEBURG	2012	10	0
5.2	CITY OF VANCEBURG	2012	11	0
5.2	CITY OF VANCEBURG	2012	12	0
5.2	CITY OF VANCEBURG	2013	1	0
5.2	CITY OF VANCEBURG	2013	2	0
5.2	CITY OF VANCEBURG	2013	3	0
5.2	CITY OF VANCEBURG	2013	4	0
5.2	CITY OF VANCEBURG	2013	5	0
5.2	CITY OF VANCEBURG	2013	6	0
5.2	CITY OF VANCEBURG	2013	7	0
5.2	CITY OF VANCEBURG	2013	8	0
5.2	CITY OF VANCEBURG	2013	9	0
5.2	CITY OF VANCEBURG	2013	10	0
5.2	CITY OF VANCEBURG	2013	11	0
5.2	CITY OF VANCEBURG	2013	12	0
5.2	CITY OF VANCEBURG	2014	1	0
5.2	CITY OF VANCEBURG	2014	2	0
5.2	CITY OF VANCEBURG	2014	3	0

Kentucky Power Company
Wholesale Energy Models Input Data

revcls	name	YEAR	MONTH	VNC5
5.2	CITY OF VANCEBURG	2014	4	0
5.2	CITY OF VANCEBURG	2014	5	0
5.2	CITY OF VANCEBURG	2014	6	0
5.2	CITY OF VANCEBURG	2014	7	0
5.2	CITY OF VANCEBURG	2014	8	0
5.2	CITY OF VANCEBURG	2014	9	0
5.2	CITY OF VANCEBURG	2014	10	0
5.2	CITY OF VANCEBURG	2014	11	0
5.2	CITY OF VANCEBURG	2014	12	0
5.2	CITY OF VANCEBURG	2015	1	0
5.2	CITY OF VANCEBURG	2015	2	0
5.2	CITY OF VANCEBURG	2015	3	0
5.2	CITY OF VANCEBURG	2015	4	0
5.2	CITY OF VANCEBURG	2015	5	0
5.2	CITY OF VANCEBURG	2015	6	0
5.2	CITY OF VANCEBURG	2015	7	0
5.2	CITY OF VANCEBURG	2015	8	0
5.2	CITY OF VANCEBURG	2015	9	0
5.2	CITY OF VANCEBURG	2015	10	0
5.2	CITY OF VANCEBURG	2015	11	0
5.2	CITY OF VANCEBURG	2015	12	0
5.2	CITY OF VANCEBURG	2016	1	1
5.2	CITY OF VANCEBURG	2016	2	0
5.2	CITY OF VANCEBURG	2016	3	0
5.2	CITY OF VANCEBURG	2016	4	0
5.2	CITY OF VANCEBURG	2016	5	0
5.2	CITY OF VANCEBURG	2016	6	0
5.2	CITY OF VANCEBURG	2016	7	0
5.2	CITY OF VANCEBURG	2016	8	0
5.2	CITY OF VANCEBURG	2016	9	0
5.2	CITY OF VANCEBURG	2016	10	0
5.2	CITY OF VANCEBURG	2016	11	0
5.2	CITY OF VANCEBURG	2016	12	0

Kentucky Power Company
Wholesale Energy Models Input Data

revcls	name	YEAR	MONTH	VNC5
5.2	CITY OF VANCEBURG	2017	1	0
5.2	CITY OF VANCEBURG	2017	2	0
5.2	CITY OF VANCEBURG	2017	3	0
5.2	CITY OF VANCEBURG	2017	4	0
5.2	CITY OF VANCEBURG	2017	5	0
5.2	CITY OF VANCEBURG	2017	6	0
5.2	CITY OF VANCEBURG	2017	7	0
5.2	CITY OF VANCEBURG	2017	8	0
5.2	CITY OF VANCEBURG	2017	9	0
5.2	CITY OF VANCEBURG	2017	10	0
5.2	CITY OF VANCEBURG	2017	11	0
5.2	CITY OF VANCEBURG	2017	12	0
5.2	CITY OF VANCEBURG	2018	1	0
5.2	CITY OF VANCEBURG	2018	2	0
5.2	CITY OF VANCEBURG	2018	3	0
5.2	CITY OF VANCEBURG	2018	4	0
5.2	CITY OF VANCEBURG	2018	5	0
5.2	CITY OF VANCEBURG	2018	6	0
5.2	CITY OF VANCEBURG	2018	7	0
5.2	CITY OF VANCEBURG	2018	8	0
5.2	CITY OF VANCEBURG	2018	9	0
5.2	CITY OF VANCEBURG	2018	10	0
5.2	CITY OF VANCEBURG	2018	11	0
5.2	CITY OF VANCEBURG	2018	12	0
5.2	CITY OF VANCEBURG	2019	1	0
5.2	CITY OF VANCEBURG	2019	2	0
5.2	CITY OF VANCEBURG	2019	3	0
5.2	CITY OF VANCEBURG	2019	4	0
5.2	CITY OF VANCEBURG	2019	5	0
5.2	CITY OF VANCEBURG	2019	6	0
5.2	CITY OF VANCEBURG	2019	7	0
5.2	CITY OF VANCEBURG	2019	8	0
5.2	CITY OF VANCEBURG	2019	9	0

Kentucky Power Company
Wholesale Energy Models Input Data

revcls	name	YEAR	MONTH	VNC5
5.2	CITY OF VANCEBURG	2019	10	0
5.2	CITY OF VANCEBURG	2019	11	0
5.2	CITY OF VANCEBURG	2019	12	0
5.2	CITY OF VANCEBURG	2020	1	0
5.2	CITY OF VANCEBURG	2020	2	0
5.2	CITY OF VANCEBURG	2020	3	0
5.2	CITY OF VANCEBURG	2020	4	0
5.2	CITY OF VANCEBURG	2020	5	0
5.2	CITY OF VANCEBURG	2020	6	0
5.2	CITY OF VANCEBURG	2020	7	0
5.2	CITY OF VANCEBURG	2020	8	0
5.2	CITY OF VANCEBURG	2020	9	0
5.2	CITY OF VANCEBURG	2020	10	0
5.2	CITY OF VANCEBURG	2020	11	0
5.2	CITY OF VANCEBURG	2020	12	0
5.2	CITY OF VANCEBURG	2021	1	0
5.2	CITY OF VANCEBURG	2021	2	0
5.2	CITY OF VANCEBURG	2021	3	0
5.2	CITY OF VANCEBURG	2021	4	0
5.2	CITY OF VANCEBURG	2021	5	0
5.2	CITY OF VANCEBURG	2021	6	0
5.2	CITY OF VANCEBURG	2021	7	0
5.2	CITY OF VANCEBURG	2021	8	0
5.2	CITY OF VANCEBURG	2021	9	0
5.2	CITY OF VANCEBURG	2021	10	0
5.2	CITY OF VANCEBURG	2021	11	0
5.2	CITY OF VANCEBURG	2021	12	0
5.2	CITY OF VANCEBURG	2022	1	0
5.2	CITY OF VANCEBURG	2022	2	0
5.2	CITY OF VANCEBURG	2022	3	0
5.2	CITY OF VANCEBURG	2022	4	0
5.2	CITY OF VANCEBURG	2022	5	0
5.2	CITY OF VANCEBURG	2022	6	0

Kentucky Power Company
Wholesale Energy Models Input Data

revcls	name	YEAR	MONTH	VNC5
	5.2 CITY OF VANCEBURG	2022	7	0
	5.2 CITY OF VANCEBURG	2022	8	0
	5.2 CITY OF VANCEBURG	2022	9	0
	5.2 CITY OF VANCEBURG	2022	10	0
	5.2 CITY OF VANCEBURG	2022	11	0
	5.2 CITY OF VANCEBURG	2022	12	0

The SAS System
 CITY OF OLIVE HILL

The ARIMA Procedure
Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr > |t|	Lag	Variable	Shift
MU	-50425.2	2597.1	-19.42	<.0001	0	KWH	0
MA1,1	0.25300	0.10447	2.42	0.0173	2	KWH	0
MA1,2	0.45099	0.10348	4.36	<.0001	4	KWH	0
MA1,3	0.29520	0.10965	2.69	0.0084	5	KWH	0
MA2,1	0.78572	0.07875	9.98	<.0001	12	KWH	0
NUM1	1921.4	91.53500	20.99	<.0001	0	CDD65	0
NUM2	1632.4	36.91464	44.22	<.0001	0	HDD55	0
NUM3	184860.2	39512.2	4.68	<.0001	0	OLV1	0
NUM4	-70575.7	7920.4	-8.91	<.0001	0	OLV2	0
NUM5	73944.6	7494.6	9.87	<.0001	0	OLV3	0
NUM6	66063.5	7762.2	8.51	<.0001	0	OLV4	0

Constant Estimate -50425.2
Variance Estimate 1.5595E9
Std Error Estimate 39490.91
AIC 2627.007
SBC 2656.612
Number of Residuals 109

* AIC and SBC do not include log determinant.

Correlations of Parameter Estimates

Variable Parameter	KWH MU	KWH MA1,1	KWH MA1,2	KWH MA1,3	KWH MA2,1	CDD65 NUM1	HDD55 NUM2	OLV1 NUM3	OLV2 NUM4	OLV3 NUM5	OLV4 NUM6
KWH MU	1.000	0.127	0.054	0.091	-0.203	-0.742	0.383	-0.382	-0.920	-0.913	-0.752
KWH MA1,1	0.127	1.000	-0.044	0.302	0.039	0.028	0.061	-0.151	-0.011	-0.083	0.089
KWH MA1,2	0.054	-0.044	1.000	0.267	0.124	0.089	0.138	-0.087	0.040	-0.002	0.123

Correlations of Parameter Estimates

Variable Parameter	KWH MU	KWH MA1,1	KWH MA1,2	KWH MA1,3	KWH MA2,1	CDD65 NUM1	HDD55 NUM2	OLV1 NUM3	OLV2 NUM4	OLV3 NUM5	OLV4 NUM6
KWH MA1,3	0.091	0.302	0.267	1.000	0.055	-0.085	-0.009	0.161	0.078	-0.028	0.178
KWH MA2,1	-0.203	0.039	0.124	0.055	1.000	0.328	0.068	-0.079	0.177	0.215	0.162
CDD65 NUM1	-0.742	0.028	0.089	-0.085	0.328	1.000	-0.031	-0.111	0.544	0.760	0.460
HDD55 NUM2	0.383	0.061	0.138	-0.009	0.068	-0.031	1.000	-0.431	-0.407	-0.301	-0.267
OLV1 NUM3	-0.382	-0.151	-0.087	0.161	-0.079	-0.111	-0.431	1.000	0.411	0.382	0.383
OLV2 NUM4	-0.920	-0.011	0.040	0.078	0.177	0.544	-0.407	0.411	1.000	0.734	0.840
OLV3 NUM5	-0.913	-0.083	-0.002	-0.028	0.215	0.760	-0.301	0.382	0.734	1.000	0.572
OLV4 NUM6	-0.752	0.089	0.123	0.178	0.162	0.460	-0.267	0.383	0.840	0.572	1.000

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations						
6	3.10	2	0.2124	-0.057	0.035	-0.128	0.064	0.040	0.020	
12	8.31	8	0.4033	-0.001	-0.100	-0.058	-0.008	0.160	0.060	
18	10.38	14	0.7341	0.013	-0.013	-0.031	0.032	0.045	0.106	
24	13.41	20	0.8592	-0.003	0.007	0.029	0.089	0.079	-0.080	

Model for variable KWH

Estimated Intercept -50425.2
Period(s) of Differencing 12

Moving Average Factors

Factor 1: 1 - 0.253 B**(2) - 0.45099 B**(4) - 0.2952 B**(5)
Factor 2: 1 - 0.78572 B**(12)

Input Number 1

Input Variable	CDD65
Period(s) of Differencing	12
Overall Regression Factor	1921.421

Input Number 2

Input Variable	HDD55
Period(s) of Differencing	12
Overall Regression Factor	1632.383

Input Number 3

Input Variable	OLV1
Period(s) of Differencing	12
Overall Regression Factor	184860.2

Input Number 4

Input Variable	OLV2
Period(s) of Differencing	12
Overall Regression Factor	-70575.7

Input Number 5

Input Variable	OLV3
Period(s) of Differencing	12
Overall Regression Factor	73944.65

Input Number 6

Input Variable	OLV4
Period(s) of Differencing	12
Overall Regression Factor	66063.5

Outlier Detection Summary

Maximum number searched	3
Number found	3
Significance used	0.05

Outlier Details

Obs	Time ID	Type	Estimate	Chi-Square	Approx Prob>ChiSq
85	JAN2016	Additive	-87560.7	11.96	0.0005
39	MAR2012	Additive	-71515.1	7.05	0.0079
63	MAR2014	Additive	-61503.7	5.31	0.0212

The SAS System CITY OF VANCEBURG

The ARIMA Procedure

Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr > |t|	Lag	Variable	Shift
MU	-80595.9	23366.1	-3.45	0.0008	0	KWH	0
MA1,1	-0.25266	0.10865	-2.33	0.0221	3	KWH	0
MA2,1	0.66343	0.08500	7.80	<.0001	12	KWH	0
AR1,1	0.61281	0.08847	6.93	<.0001	1	KWH	0
NUM1	3778.9	312.50761	12.09	<.0001	0	CDD65	0
NUM2	3205.0	131.35647	24.40	<.0001	0	HDD55	0
NUM3	2010619.4	63273.7	31.78	<.0001	0	VNC1	0
NUM4	401487.5	92535.9	4.34	<.0001	0	VNC2	0
NUM5	-363083.4	103542.4	-3.51	0.0007	0	VNC3	0
NUM6	-1050674.2	102286.9	-10.27	<.0001	0	VNC4	0
NUM7	-377337.8	109670.4	-3.44	0.0009	0	VNC5	0

Constant Estimate	-31205.7
Variance Estimate	1.815E10
Std Error Estimate	134716.3
AIC	2894.515
SBC	2924.12
Number of Residuals	109

* AIC and SBC do not include log determinant.

Correlations of Parameter Estimates

Variable Parameter	KWH MU	KWH MA1,1	KWH MA2,1	KWH AR1,1	CDD65 NUM1	HDD55 NUM2	VNC1 NUM3	VNC2 NUM4	VNC3 NUM5	VNC4 NUM6	VNC5 NUM7
KWH MU	1.000	-0.033	0.104	-0.042	0.035	-0.128	0.005	-0.493	-0.587	0.008	0.129
KWH MA1,1	-0.033	1.000	-0.084	0.351	-0.114	0.025	0.076	0.020	0.045	0.034	-0.193
KWH MA2,1	0.104	-0.084	1.000	-0.159	0.232	0.090	-0.056	-0.009	-0.086	-0.047	0.052
KWH AR1,1	-0.042	0.351	-0.159	1.000	-0.145	0.001	0.007	-0.094	0.142	-0.025	-0.155
CDD65 NUM1	0.035	-0.114	0.232	-0.145	1.000	0.075	0.287	-0.023	-0.127	-0.066	0.041
HDD55 NUM2	-0.128	0.025	0.090	0.001	0.075	1.000	0.009	0.176	0.167	-0.084	-0.242
VNC1 NUM3	0.005	0.076	-0.056	0.007	0.287	0.009	1.000	-0.011	-0.039	-0.046	-0.016
VNC2 NUM4	-0.493	0.020	-0.009	-0.094	-0.023	0.176	-0.011	1.000	0.243	-0.007	-0.074
VNC3 NUM5	-0.587	0.045	-0.086	0.142	-0.127	0.167	-0.039	0.243	1.000	-0.005	-0.209
VNC4 NUM6	0.008	0.034	-0.047	-0.025	-0.066	-0.084	-0.046	-0.007	-0.005	1.000	0.018
VNC5 NUM7	0.129	-0.193	0.052	-0.155	0.041	-0.242	-0.016	-0.074	-0.209	0.018	1.000

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations						
6	4.04	3	0.2575	-0.067	0.116	-0.005	0.096	-0.076	-0.047	
12	9.64	9	0.3808	-0.112	-0.037	-0.103	0.031	-0.143	0.009	
18	14.16	15	0.5131	-0.023	0.102	-0.105	0.114	0.001	-0.012	
24	19.51	21	0.5526	-0.050	-0.047	0.159	0.070	-0.002	0.063	

Model for variable KWH

Estimated Intercept -80595.9

Period(s) of Differencing 12

Autoregressive Factors

Factor 1: 1 - 0.61281 B**(1)

Moving Average Factors

Factor 1: 1 + 0.25266 B**(3)

Factor 2: 1 - 0.66343 B**(12)

Input Number 1

Input Variable CDD65
Period(s) of Differencing 12
Overall Regression Factor 3778.914

Input Number 2

Input Variable HDD55
Period(s) of Differencing 12
Overall Regression Factor 3205.017

Input Number 3

Input Variable VNC1
Period(s) of Differencing 12
Overall Regression Factor 2010619

Input Number 4

Input Variable VNC2
Period(s) of Differencing 12
Overall Regression Factor 401487.5

Input Number 5

Input Variable VNC3
Period(s) of Differencing 12
Overall Regression Factor -363083

Input Number 6

Input Variable VNC4
Period(s) of Differencing 12
Overall Regression Factor -1050674

Input Number 7

Input Variable VNC5
Period(s) of Differencing 12
Overall Regression Factor -377338

Outlier Detection Summary

Maximum number searched	3
Number found	3
Significance used	0.05

Outlier Details

Obs	Time ID	Type	Estimate	Chi-Square	Approx Prob>ChiSq
74	FEB2015	Additive	-254375.1	6.59	0.0103
118	OCT2018	Additive	276297.4	6.44	0.0112
41	MAY2012	Additive	206345.5	4.65	0.0311

Confidential

Kentucky Power Company
 Wholesale Energy Models Output Data

JURIS	revcls	name	YEAR	MONTH	time	bcdd65	bhdd55	CDD65	HDD55	KWH
KPC	5.2	CITY OF OLIVE HILL	2009	1	1/9/2019	0	601.566	0	801	
KPC	5.2	CITY OF OLIVE HILL	2009	2	2/9/2019	0	731.275	0	479	
KPC	5.2	CITY OF OLIVE HILL	2009	3	3/9/2019	4.156	472.102	6.5	272	
KPC	5.2	CITY OF OLIVE HILL	2009	4	4/9/2019	3.158	182.25	50	90	
KPC	5.2	CITY OF OLIVE HILL	2009	5	5/9/2019	60.51	47.109	76	6.5	
KPC	5.2	CITY OF OLIVE HILL	2009	6	6/9/2019	121.756	4.565	216.5	0	
KPC	5.2	CITY OF OLIVE HILL	2009	7	7/9/2019	209.985	0	183	0	
KPC	5.2	CITY OF OLIVE HILL	2009	8	8/9/2019	216.563	0	253	0	
KPC	5.2	CITY OF OLIVE HILL	2009	9	9/9/2019	207.089	0	115.5	3.5	
KPC	5.2	CITY OF OLIVE HILL	2009	10	10/9/2019	73.977	32.971	5	96	
KPC	5.2	CITY OF OLIVE HILL	2009	11	11/9/2019	3.044	131.296	0	193	
KPC	5.2	CITY OF OLIVE HILL	2009	12	12/9/2019	0.196	344.652	0	611.5	
KPC	5.2	CITY OF OLIVE HILL	2010	1	1/10/2019	0	710.395	0	778.5	
KPC	5.2	CITY OF OLIVE HILL	2010	2	2/10/2019	0	710.461	0	676	
KPC	5.2	CITY OF OLIVE HILL	2010	3	3/10/2019	0	582.127	0	245	
KPC	5.2	CITY OF OLIVE HILL	2010	4	4/10/2019	24.266	135.648	41.5	38	
KPC	5.2	CITY OF OLIVE HILL	2010	5	5/10/2019	38.109	35.246	111	11	
KPC	5.2	CITY OF OLIVE HILL	2010	6	6/10/2019	185.686	5.711	310.5	0	
KPC	5.2	CITY OF OLIVE HILL	2010	7	7/10/2019	334.196	0	374	0	
KPC	5.2	CITY OF OLIVE HILL	2010	8	8/10/2019	389.928	0	361.5	0	
KPC	5.2	CITY OF OLIVE HILL	2010	9	9/10/2019	275.617	0	159.5	0	
KPC	5.2	CITY OF OLIVE HILL	2010	10	10/10/2019	103.495	11.241	14	39.5	
KPC	5.2	CITY OF OLIVE HILL	2010	11	11/10/2019	9.981	119.924	0	268.5	
KPC	5.2	CITY OF OLIVE HILL	2010	12	12/10/2019	0	488.105	0	819	
KPC	5.2	CITY OF OLIVE HILL	2011	1	1/11/2019	0	776.485	0	779	
KPC	5.2	CITY OF OLIVE HILL	2011	2	2/11/2019	0	708.579	0	430.5	
KPC	5.2	CITY OF OLIVE HILL	2011	3	3/11/2019	1.587	368.182	8.5	310	
KPC	5.2	CITY OF OLIVE HILL	2011	4	4/11/2019	15.299	236.64	33	56	
KPC	5.2	CITY OF OLIVE HILL	2011	5	5/11/2019	45.947	45.882	106.5	34.5	
KPC	5.2	CITY OF OLIVE HILL	2011	6	6/11/2019	172.056	14.776	224	0	
KPC	5.2	CITY OF OLIVE HILL	2011	7	7/11/2019	268.761	0	417	0	
KPC	5.2	CITY OF OLIVE HILL	2011	8	8/11/2019	397.766	0	299.5	0	
KPC	5.2	CITY OF OLIVE HILL	2011	9	9/11/2019	237.851	0.164	101.5	1	

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JURIS	revcls	name	YEAR	MONTH	time	bcdd65	bhdd55	CDD65	HDD55	KWH
KPC	5.2	CITY OF OLIVE HILL	2011	10	10/11/2019	42.413	28.815	0	0	117
KPC	5.2	CITY OF OLIVE HILL	2011	11	11/11/2019	0.982	144.19	2.5	172.5	172.5
KPC	5.2	CITY OF OLIVE HILL	2011	12	12/11/2019	1.473	263.279	0	405.5	405.5
KPC	5.2	CITY OF OLIVE HILL	2012	1	1/12/2019	0	454.234	0	503	503
KPC	5.2	CITY OF OLIVE HILL	2012	2	2/12/2019	0	472.904	0	425.5	425.5
KPC	5.2	CITY OF OLIVE HILL	2012	3	3/12/2019	8.787	339.498	39	114	114
KPC	5.2	CITY OF OLIVE HILL	2012	4	4/12/2019	36.62	71.457	17	78	78
KPC	5.2	CITY OF OLIVE HILL	2012	5	5/12/2019	53.245	48.483	150	0	0
KPC	5.2	CITY OF OLIVE HILL	2012	6	6/12/2019	157.493	0.245	237.5	0	0
KPC	5.2	CITY OF OLIVE HILL	2012	7	7/12/2019	352.571	0	414.5	0	0
KPC	5.2	CITY OF OLIVE HILL	2012	8	8/12/2019	346.844	0	277.5	0	0
KPC	5.2	CITY OF OLIVE HILL	2012	9	9/12/2019	244.511	0.589	123.5	9.5	9.5
KPC	5.2	CITY OF OLIVE HILL	2012	10	10/12/2019	58.841	39.156	17	127	127
KPC	5.2	CITY OF OLIVE HILL	2012	11	11/12/2019	7.56	203.44	0	354.5	354.5
KPC	5.2	CITY OF OLIVE HILL	2012	12	12/12/2019	0	332.134	0	401	401
KPC	5.2	CITY OF OLIVE HILL	2013	1	1/13/2019	0	510.326	0	586.5	586.5
KPC	5.2	CITY OF OLIVE HILL	2013	2	2/13/2019	0	598.326	0	511.5	511.5
KPC	5.2	CITY OF OLIVE HILL	2013	3	3/13/2019	0	516.659	0	469	469
KPC	5.2	CITY OF OLIVE HILL	2013	4	4/13/2019	17.345	337.878	41	85	85
KPC	5.2	CITY OF OLIVE HILL	2013	5	5/13/2019	46.782	41.071	124	11	11
KPC	5.2	CITY OF OLIVE HILL	2013	6	6/13/2019	171.516	7.183	243.5	0	0
KPC	5.2	CITY OF OLIVE HILL	2013	7	7/13/2019	299.179	0	325.5	0	0
KPC	5.2	CITY OF OLIVE HILL	2013	8	8/13/2019	279.544	0	263.5	0	0
KPC	5.2	CITY OF OLIVE HILL	2013	9	9/13/2019	241.353	0	129.5	0	0
KPC	5.2	CITY OF OLIVE HILL	2013	10	10/13/2019	95.527	9.981	48	96	96
KPC	5.2	CITY OF OLIVE HILL	2013	11	11/13/2019	13.761	167.622	0.5	366	366
KPC	5.2	CITY OF OLIVE HILL	2013	12	12/13/2019	0.409	453.056	1	504.5	504.5
KPC	5.2	CITY OF OLIVE HILL	2014	1	1/14/2019	0.785	604.086	0	850	850
KPC	5.2	CITY OF OLIVE HILL	2014	2	2/14/2019	0	802.093	0	580	580
KPC	5.2	CITY OF OLIVE HILL	2014	3	3/14/2019	0	572.702	0	436.5	436.5
KPC	5.2	CITY OF OLIVE HILL	2014	4	4/14/2019	6.202	279.969	16	45.5	45.5
KPC	5.2	CITY OF OLIVE HILL	2014	5	5/14/2019	33.495	34.362	94	15.5	15.5
KPC	5.2	CITY OF OLIVE HILL	2014	6	6/14/2019	129.349	9.49	236	0	0

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 Wholesale Energy Models Output Data

JURIS	revcls	name	YEAR	MONTH	time	bcdd65	bhdd55	CDD65	HDD55	KWH
KPC	5.2	CITY OF OLIVE HILL	2014	7	7/14/2019	273.44	0	227.5	0	0
KPC	5.2	CITY OF OLIVE HILL	2014	8	8/14/2019	193.999	0	232	0	0
KPC	5.2	CITY OF OLIVE HILL	2014	9	9/14/2019	225.35	0	116.5	0	0
KPC	5.2	CITY OF OLIVE HILL	2014	10	10/14/2019	57.139	17.23	10.5	75.5	0
KPC	5.2	CITY OF OLIVE HILL	2014	11	11/14/2019	5.351	193.328	0	432.5	0
KPC	5.2	CITY OF OLIVE HILL	2014	12	12/14/2019	0.016	466.834	0	492	0
KPC	5.2	CITY OF OLIVE HILL	2015	1	1/15/2019	0	574.452	0	727.5	0
KPC	5.2	CITY OF OLIVE HILL	2015	2	2/15/2019	0	717.939	0	830.5	0
KPC	5.2	CITY OF OLIVE HILL	2015	3	3/15/2019	0	754.199	0	335	0
KPC	5.2	CITY OF OLIVE HILL	2015	4	4/15/2019	4.696	212.636	9.5	71	0
KPC	5.2	CITY OF OLIVE HILL	2015	5	5/15/2019	51.314	52.443	154.5	1	0
KPC	5.2	CITY OF OLIVE HILL	2015	6	6/15/2019	188.37	1.784	264.5	0	0
KPC	5.2	CITY OF OLIVE HILL	2015	7	7/15/2019	267.697	0	286.5	0	0
KPC	5.2	CITY OF OLIVE HILL	2015	8	8/15/2019	284.273	0	223.5	0	0
KPC	5.2	CITY OF OLIVE HILL	2015	9	9/15/2019	216.743	0	150	0	0
KPC	5.2	CITY OF OLIVE HILL	2015	10	10/15/2019	68.708	17.508	3.5	74.5	0
KPC	5.2	CITY OF OLIVE HILL	2015	11	11/15/2019	4.745	101.106	3.5	185.5	0
KPC	5.2	CITY OF OLIVE HILL	2015	12	12/15/2019	0.982	248.782	0	256.5	0
KPC	5.2	CITY OF OLIVE HILL	2016	1	1/16/2019	0	410.005	0	747	0
KPC	5.2	CITY OF OLIVE HILL	2016	2	2/16/2019	0	684.951	0	475.5	0
KPC	5.2	CITY OF OLIVE HILL	2016	3	3/16/2019	1.227	385.837	6	165	0
KPC	5.2	CITY OF OLIVE HILL	2016	4	4/16/2019	9.114	138.365	39	102	0
KPC	5.2	CITY OF OLIVE HILL	2016	5	5/16/2019	48.205	46.127	88.5	19.5	0
KPC	5.2	CITY OF OLIVE HILL	2016	6	6/16/2019	163.285	10.8	278	0	0
KPC	5.2	CITY OF OLIVE HILL	2016	7	7/16/2019	304.072	0	376.5	0	0
KPC	5.2	CITY OF OLIVE HILL	2016	8	8/16/2019	406.716	0	426.5	0	0
KPC	5.2	CITY OF OLIVE HILL	2016	9	9/16/2019	374.252	0	264.5	0	0
KPC	5.2	CITY OF OLIVE HILL	2016	10	10/16/2019	179.174	1.8	57	13	0
KPC	5.2	CITY OF OLIVE HILL	2016	11	11/16/2019	43.231	59.496	7	198.5	0
KPC	5.2	CITY OF OLIVE HILL	2016	12	12/16/2019	1.784	349.086	0	512.5	0
KPC	5.2	CITY OF OLIVE HILL	2017	1	1/17/2019	0	470.515	0	425	0
KPC	5.2	CITY OF OLIVE HILL	2017	2	2/17/2019	0	392.104	0.5	280.5	0
KPC	5.2	CITY OF OLIVE HILL	2017	3	3/17/2019	0.589	307.884	1.5	304	0

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JURIS	revcls	name	YEAR	MONTH	time	bcdd65	bhdd55	CDD65	HDD55	KWH
KPC	5.2	CITY OF OLIVE HILL	2017	4	4/17/2019	13.925	190.497	66	36	
KPC	5.2	CITY OF OLIVE HILL	2017	5	5/17/2019	73.584	26.001	95	16.5	
KPC	5.2	CITY OF OLIVE HILL	2017	6	6/17/2019	138.414	6.267	214.5	0	
KPC	5.2	CITY OF OLIVE HILL	2017	7	7/17/2019	276.762	0	345.5	0	
KPC	5.2	CITY OF OLIVE HILL	2017	8	8/17/2019	295.694	0	235	0	
KPC	5.2	CITY OF OLIVE HILL	2017	9	9/17/2019	176.278	0	126	0	
KPC	5.2	CITY OF OLIVE HILL	2017	10	10/17/2019	129.987	3.42	50.5	68	
KPC	5.2	CITY OF OLIVE HILL	2017	11	11/17/2019	23.644	138.61	3	269	
KPC	5.2	CITY OF OLIVE HILL	2017	12	12/17/2019	0.884	372.551	0	605.5	
KPC	5.2	CITY OF OLIVE HILL	2018	1	1/18/2019	1.833	739.93	3.5	717	
KPC	5.2	CITY OF OLIVE HILL	2018	2	2/18/2019	3.093	599.929	7.5	314.5	
KPC	5.2	CITY OF OLIVE HILL	2018	3	3/18/2019	6.218	334.376	0	405	
KPC	5.2	CITY OF OLIVE HILL	2018	4	4/18/2019	7.167	321.367	17.5	163.5	
KPC	5.2	CITY OF OLIVE HILL	2018	5	5/18/2019	77.92	78.935	244.5	0	
KPC	5.2	CITY OF OLIVE HILL	2018	6	6/18/2019	262.363	1.064	294	0	
KPC	5.2	CITY OF OLIVE HILL	2018	7	7/18/2019	349.839	0	351.5	0	
KPC	5.2	CITY OF OLIVE HILL	2018	8	8/18/2019	319.404	0	329	0	
KPC	5.2	CITY OF OLIVE HILL	2018	9	9/18/2019	323.511	0	253.5	0	
KPC	5.2	CITY OF OLIVE HILL	2018	10	10/18/2019	202.638	20.028	92	102.5	
KPC	5.2	CITY OF OLIVE HILL	2018	11	11/18/2019	29.617	193.999	1	393	
KPC	5.2	CITY OF OLIVE HILL	2018	12	12/18/2019	0.164	447.035	0	458	
KPC	5.2	CITY OF OLIVE HILL	2019	1	1/19/2019	0	455.478	0	614.5	
KPC	5.2	CITY OF OLIVE HILL	2019	2	2/19/2019	0.133	607.582	0.367	484.617	
KPC	5.2	CITY OF OLIVE HILL	2019	3	3/19/2019	1.815	456.117	7.417	315.133	
KPC	5.2	CITY OF OLIVE HILL	2019	4	4/19/2019	14.237	226.324	30.333	90.15	
KPC	5.2	CITY OF OLIVE HILL	2019	5	5/19/2019	46.554	52.944	97.067	13	
KPC	5.2	CITY OF OLIVE HILL	2019	6	6/19/2019	142.415	6.464	240.15	0.033	
KPC	5.2	CITY OF OLIVE HILL	2019	7	7/19/2019	289.038	0.013	340.867	0	
KPC	5.2	CITY OF OLIVE HILL	2019	8	8/19/2019	324.97	0	307.267	0	
KPC	5.2	CITY OF OLIVE HILL	2019	9	9/19/2019	262.68	0.145	142.717	2.85	
KPC	5.2	CITY OF OLIVE HILL	2019	10	10/19/2019	90.022	19.463	25.367	78.767	
KPC	5.2	CITY OF OLIVE HILL	2019	11	11/19/2019	12.435	145.89	2.283	282.35	
KPC	5.2	CITY OF OLIVE HILL	2019	12	12/19/2019	1.243	376.642	0.167	532.483	

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JURIS	revcls	name	YEAR	MONTH	time	bcdd65	bhdd55	CDD65	HDD55	KWH
KPC	5.2	CITY OF OLIVE HILL	2020	1	1/20/2019	0.188	564.45	0.183	629.933	
KPC	5.2	CITY OF OLIVE HILL	2020	2	2/20/2019	0.133	607.582	0.367	484.617	
KPC	5.2	CITY OF OLIVE HILL	2020	3	3/20/2019	1.815	456.117	7.417	315.133	
KPC	5.2	CITY OF OLIVE HILL	2020	4	4/20/2019	14.237	226.324	30.333	90.15	
KPC	5.2	CITY OF OLIVE HILL	2020	5	5/20/2019	46.554	52.944	97.067	13	
KPC	5.2	CITY OF OLIVE HILL	2020	6	6/20/2019	142.415	6.464	240.15	0.033	
KPC	5.2	CITY OF OLIVE HILL	2020	7	7/20/2019	289.038	0.013	340.867	0	
KPC	5.2	CITY OF OLIVE HILL	2020	8	8/20/2019	324.97	0	307.267	0	
KPC	5.2	CITY OF OLIVE HILL	2020	9	9/20/2019	262.68	0.145	142.717	2.85	
KPC	5.2	CITY OF OLIVE HILL	2020	10	10/20/2019	90.022	19.463	25.367	78.767	
KPC	5.2	CITY OF OLIVE HILL	2020	11	11/20/2019	12.435	145.89	2.283	282.35	
KPC	5.2	CITY OF OLIVE HILL	2020	12	12/20/2019	1.243	376.642	0.167	532.483	
KPC	5.2	CITY OF OLIVE HILL	2021	1	1/21/2019	0.188	564.45	0.183	629.933	
KPC	5.2	CITY OF OLIVE HILL	2021	2	2/21/2019	0.133	607.582	0.367	484.617	
KPC	5.2	CITY OF OLIVE HILL	2021	3	3/21/2019	1.815	456.117	7.417	315.133	
KPC	5.2	CITY OF OLIVE HILL	2021	4	4/21/2019	14.237	226.324	30.333	90.15	
KPC	5.2	CITY OF OLIVE HILL	2021	5	5/21/2019	46.554	52.944	97.067	13	
KPC	5.2	CITY OF OLIVE HILL	2021	6	6/21/2019	142.415	6.464	240.15	0.033	
KPC	5.2	CITY OF OLIVE HILL	2021	7	7/21/2019	289.038	0.013	340.867	0	
KPC	5.2	CITY OF OLIVE HILL	2021	8	8/21/2019	324.97	0	307.267	0	
KPC	5.2	CITY OF OLIVE HILL	2021	9	9/21/2019	262.68	0.145	142.717	2.85	
KPC	5.2	CITY OF OLIVE HILL	2021	10	10/21/2019	90.022	19.463	25.367	78.767	
KPC	5.2	CITY OF OLIVE HILL	2021	11	11/21/2019	12.435	145.89	2.283	282.35	
KPC	5.2	CITY OF OLIVE HILL	2021	12	12/21/2019	1.243	376.642	0.167	532.483	
KPC	5.2	CITY OF OLIVE HILL	2022	1	1/22/2019	0.188	564.45	0.183	629.933	
KPC	5.2	CITY OF OLIVE HILL	2022	2	2/22/2019	0.133	607.582	0.367	484.617	
KPC	5.2	CITY OF OLIVE HILL	2022	3	3/22/2019	1.815	456.117	7.417	315.133	
KPC	5.2	CITY OF OLIVE HILL	2022	4	4/22/2019	14.237	226.324	30.333	90.15	
KPC	5.2	CITY OF OLIVE HILL	2022	5	5/22/2019	46.554	52.944	97.067	13	
KPC	5.2	CITY OF OLIVE HILL	2022	6	6/22/2019	142.415	6.464	240.15	0.033	
KPC	5.2	CITY OF OLIVE HILL	2022	7	7/22/2019	289.038	0.013	340.867	0	
KPC	5.2	CITY OF OLIVE HILL	2022	8	8/22/2019	324.97	0	307.267	0	
KPC	5.2	CITY OF OLIVE HILL	2022	9	9/22/2019	262.68	0.145	142.717	2.85	

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JURIS	revcls	name	YEAR	MONTH	time	bcdd65	bhdd55	CDD65	HDD55	KWH
KPC	5.2	CITY OF OLIVE HILL	2022	10	10/22/2019	90.022	19.463	25.367	78.767	
KPC	5.2	CITY OF OLIVE HILL	2022	11	11/22/2019	12.435	145.89	2.283	282.35	
KPC	5.2	CITY OF OLIVE HILL	2022	12	12/22/2019	1.243	376.642	0.167	532.483	
KPC	5.2	CITY OF VANCEBURG	2009	1	1/9/2019	0	601.566	0	801	
KPC	5.2	CITY OF VANCEBURG	2009	2	2/9/2019	0	731.275	0	479	
KPC	5.2	CITY OF VANCEBURG	2009	3	3/9/2019	4.156	472.102	6.5	272	
KPC	5.2	CITY OF VANCEBURG	2009	4	4/9/2019	3.158	182.25	50	90	
KPC	5.2	CITY OF VANCEBURG	2009	5	5/9/2019	60.51	47.109	76	6.5	
KPC	5.2	CITY OF VANCEBURG	2009	6	6/9/2019	121.756	4.565	216.5	0	
KPC	5.2	CITY OF VANCEBURG	2009	7	7/9/2019	209.985	0	183	0	
KPC	5.2	CITY OF VANCEBURG	2009	8	8/9/2019	216.563	0	253	0	
KPC	5.2	CITY OF VANCEBURG	2009	9	9/9/2019	207.089	0	115.5	3.5	
KPC	5.2	CITY OF VANCEBURG	2009	10	10/9/2019	73.977	32.971	5	96	
KPC	5.2	CITY OF VANCEBURG	2009	11	11/9/2019	3.044	131.296	0	193	
KPC	5.2	CITY OF VANCEBURG	2009	12	12/9/2019	0.196	344.652	0	611.5	
KPC	5.2	CITY OF VANCEBURG	2010	1	1/10/2019	0	710.395	0	778.5	
KPC	5.2	CITY OF VANCEBURG	2010	2	2/10/2019	0	710.461	0	676	
KPC	5.2	CITY OF VANCEBURG	2010	3	3/10/2019	0	582.127	0	245	
KPC	5.2	CITY OF VANCEBURG	2010	4	4/10/2019	24.266	135.648	41.5	38	
KPC	5.2	CITY OF VANCEBURG	2010	5	5/10/2019	38.109	35.246	111	11	
KPC	5.2	CITY OF VANCEBURG	2010	6	6/10/2019	185.686	5.711	310.5	0	
KPC	5.2	CITY OF VANCEBURG	2010	7	7/10/2019	334.196	0	374	0	
KPC	5.2	CITY OF VANCEBURG	2010	8	8/10/2019	389.928	0	361.5	0	
KPC	5.2	CITY OF VANCEBURG	2010	9	9/10/2019	275.617	0	159.5	0	
KPC	5.2	CITY OF VANCEBURG	2010	10	10/10/2019	103.495	11.241	14	39.5	
KPC	5.2	CITY OF VANCEBURG	2010	11	11/10/2019	9.981	119.924	0	268.5	
KPC	5.2	CITY OF VANCEBURG	2010	12	12/10/2019	0	488.105	0	819	
KPC	5.2	CITY OF VANCEBURG	2011	1	1/11/2019	0	776.485	0	779	
KPC	5.2	CITY OF VANCEBURG	2011	2	2/11/2019	0	708.579	0	430.5	
KPC	5.2	CITY OF VANCEBURG	2011	3	3/11/2019	1.587	368.182	8.5	310	
KPC	5.2	CITY OF VANCEBURG	2011	4	4/11/2019	15.299	236.64	33	56	
KPC	5.2	CITY OF VANCEBURG	2011	5	5/11/2019	45.947	45.882	106.5	34.5	
KPC	5.2	CITY OF VANCEBURG	2011	6	6/11/2019	172.056	14.776	224	0	

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JURIS	revcls	name	YEAR	MONTH	time	bcdd65	bhdd55	CDD65	HDD55	KWH
KPC	5.2	CITY OF VANCEBURG	2011	7	7/11/2019	268.761	0	417	0	0
KPC	5.2	CITY OF VANCEBURG	2011	8	8/11/2019	397.766	0	299.5	0	0
KPC	5.2	CITY OF VANCEBURG	2011	9	9/11/2019	237.851	0.164	101.5	1	1
KPC	5.2	CITY OF VANCEBURG	2011	10	10/11/2019	42.413	28.815	0	117	117
KPC	5.2	CITY OF VANCEBURG	2011	11	11/11/2019	0.982	144.19	2.5	172.5	172.5
KPC	5.2	CITY OF VANCEBURG	2011	12	12/11/2019	1.473	263.279	0	405.5	405.5
KPC	5.2	CITY OF VANCEBURG	2012	1	1/12/2019	0	454.234	0	503	503
KPC	5.2	CITY OF VANCEBURG	2012	2	2/12/2019	0	472.904	0	425.5	425.5
KPC	5.2	CITY OF VANCEBURG	2012	3	3/12/2019	8.787	339.498	39	114	114
KPC	5.2	CITY OF VANCEBURG	2012	4	4/12/2019	36.62	71.457	17	78	78
KPC	5.2	CITY OF VANCEBURG	2012	5	5/12/2019	53.245	48.483	150	0	0
KPC	5.2	CITY OF VANCEBURG	2012	6	6/12/2019	157.493	0.245	237.5	0	0
KPC	5.2	CITY OF VANCEBURG	2012	7	7/12/2019	352.571	0	414.5	0	0
KPC	5.2	CITY OF VANCEBURG	2012	8	8/12/2019	346.844	0	277.5	0	0
KPC	5.2	CITY OF VANCEBURG	2012	9	9/12/2019	244.511	0.589	123.5	9.5	9.5
KPC	5.2	CITY OF VANCEBURG	2012	10	10/12/2019	58.841	39.156	17	127	127
KPC	5.2	CITY OF VANCEBURG	2012	11	11/12/2019	7.56	203.44	0	354.5	354.5
KPC	5.2	CITY OF VANCEBURG	2012	12	12/12/2019	0	332.134	0	401	401
KPC	5.2	CITY OF VANCEBURG	2013	1	1/13/2019	0	510.326	0	586.5	586.5
KPC	5.2	CITY OF VANCEBURG	2013	2	2/13/2019	0	598.326	0	511.5	511.5
KPC	5.2	CITY OF VANCEBURG	2013	3	3/13/2019	0	516.659	0	469	469
KPC	5.2	CITY OF VANCEBURG	2013	4	4/13/2019	17.345	337.878	41	85	85
KPC	5.2	CITY OF VANCEBURG	2013	5	5/13/2019	46.782	41.071	124	11	11
KPC	5.2	CITY OF VANCEBURG	2013	6	6/13/2019	171.516	7.183	243.5	0	0
KPC	5.2	CITY OF VANCEBURG	2013	7	7/13/2019	299.179	0	325.5	0	0
KPC	5.2	CITY OF VANCEBURG	2013	8	8/13/2019	279.544	0	263.5	0	0
KPC	5.2	CITY OF VANCEBURG	2013	9	9/13/2019	241.353	0	129.5	0	0
KPC	5.2	CITY OF VANCEBURG	2013	10	10/13/2019	95.527	9.981	48	96	96
KPC	5.2	CITY OF VANCEBURG	2013	11	11/13/2019	13.761	167.622	0.5	366	366
KPC	5.2	CITY OF VANCEBURG	2013	12	12/13/2019	0.409	453.056	1	504.5	504.5
KPC	5.2	CITY OF VANCEBURG	2014	1	1/14/2019	0.785	604.086	0	850	850
KPC	5.2	CITY OF VANCEBURG	2014	2	2/14/2019	0	802.093	0	580	580
KPC	5.2	CITY OF VANCEBURG	2014	3	3/14/2019	0	572.702	0	436.5	436.5

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Kentucky Power Company
 Wholesale Energy Models Output Data

JURIS	revcls	name	YEAR	MONTH	time	bcdd65	bhdd55	CDD65	HDD55	KWH
KPC	5.2	CITY OF VANCEBURG	2014	4	4/14/2019	6.202	279.969	16	45.5	
KPC	5.2	CITY OF VANCEBURG	2014	5	5/14/2019	33.495	34.362	94	15.5	
KPC	5.2	CITY OF VANCEBURG	2014	6	6/14/2019	129.349	9.49	236	0	
KPC	5.2	CITY OF VANCEBURG	2014	7	7/14/2019	273.44	0	227.5	0	
KPC	5.2	CITY OF VANCEBURG	2014	8	8/14/2019	193.999	0	232	0	
KPC	5.2	CITY OF VANCEBURG	2014	9	9/14/2019	225.35	0	116.5	0	
KPC	5.2	CITY OF VANCEBURG	2014	10	10/14/2019	57.139	17.23	10.5	75.5	
KPC	5.2	CITY OF VANCEBURG	2014	11	11/14/2019	5.351	193.328	0	432.5	
KPC	5.2	CITY OF VANCEBURG	2014	12	12/14/2019	0.016	466.834	0	492	
KPC	5.2	CITY OF VANCEBURG	2015	1	1/15/2019	0	574.452	0	727.5	
KPC	5.2	CITY OF VANCEBURG	2015	2	2/15/2019	0	717.939	0	830.5	
KPC	5.2	CITY OF VANCEBURG	2015	3	3/15/2019	0	754.199	0	335	
KPC	5.2	CITY OF VANCEBURG	2015	4	4/15/2019	4.696	212.636	9.5	71	
KPC	5.2	CITY OF VANCEBURG	2015	5	5/15/2019	51.314	52.443	154.5	1	
KPC	5.2	CITY OF VANCEBURG	2015	6	6/15/2019	188.37	1.784	264.5	0	
KPC	5.2	CITY OF VANCEBURG	2015	7	7/15/2019	267.697	0	286.5	0	
KPC	5.2	CITY OF VANCEBURG	2015	8	8/15/2019	284.273	0	223.5	0	
KPC	5.2	CITY OF VANCEBURG	2015	9	9/15/2019	216.743	0	150	0	
KPC	5.2	CITY OF VANCEBURG	2015	10	10/15/2019	68.708	17.508	3.5	74.5	
KPC	5.2	CITY OF VANCEBURG	2015	11	11/15/2019	4.745	101.106	3.5	185.5	
KPC	5.2	CITY OF VANCEBURG	2015	12	12/15/2019	0.982	248.782	0	256.5	
KPC	5.2	CITY OF VANCEBURG	2016	1	1/16/2019	0	410.005	0	747	
KPC	5.2	CITY OF VANCEBURG	2016	2	2/16/2019	0	684.951	0	475.5	
KPC	5.2	CITY OF VANCEBURG	2016	3	3/16/2019	1.227	385.837	6	165	
KPC	5.2	CITY OF VANCEBURG	2016	4	4/16/2019	9.114	138.365	39	102	
KPC	5.2	CITY OF VANCEBURG	2016	5	5/16/2019	48.205	46.127	88.5	19.5	
KPC	5.2	CITY OF VANCEBURG	2016	6	6/16/2019	163.285	10.8	278	0	
KPC	5.2	CITY OF VANCEBURG	2016	7	7/16/2019	304.072	0	376.5	0	
KPC	5.2	CITY OF VANCEBURG	2016	8	8/16/2019	406.716	0	426.5	0	
KPC	5.2	CITY OF VANCEBURG	2016	9	9/16/2019	374.252	0	264.5	0	
KPC	5.2	CITY OF VANCEBURG	2016	10	10/16/2019	179.174	1.8	57	13	
KPC	5.2	CITY OF VANCEBURG	2016	11	11/16/2019	43.231	59.496	7	198.5	
KPC	5.2	CITY OF VANCEBURG	2016	12	12/16/2019	1.784	349.086	0	512.5	

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Kentucky Power Company
 Wholesale Energy Models Output Data

JURIS	revcls	name	YEAR	MONTH	time	bcdd65	bhdd55	CDD65	HDD55	KWH
KPC	5.2	CITY OF VANCEBURG	2017	1	1/17/2019	0	470.515	0	425	
KPC	5.2	CITY OF VANCEBURG	2017	2	2/17/2019	0	392.104	0.5	280.5	
KPC	5.2	CITY OF VANCEBURG	2017	3	3/17/2019	0.589	307.884	1.5	304	
KPC	5.2	CITY OF VANCEBURG	2017	4	4/17/2019	13.925	190.497	66	36	
KPC	5.2	CITY OF VANCEBURG	2017	5	5/17/2019	73.584	26.001	95	16.5	
KPC	5.2	CITY OF VANCEBURG	2017	6	6/17/2019	138.414	6.267	214.5	0	
KPC	5.2	CITY OF VANCEBURG	2017	7	7/17/2019	276.762	0	345.5	0	
KPC	5.2	CITY OF VANCEBURG	2017	8	8/17/2019	295.694	0	235	0	
KPC	5.2	CITY OF VANCEBURG	2017	9	9/17/2019	176.278	0	126	0	
KPC	5.2	CITY OF VANCEBURG	2017	10	10/17/2019	129.987	3.42	50.5	68	
KPC	5.2	CITY OF VANCEBURG	2017	11	11/17/2019	23.644	138.61	3	269	
KPC	5.2	CITY OF VANCEBURG	2017	12	12/17/2019	0.884	372.551	0	605.5	
KPC	5.2	CITY OF VANCEBURG	2018	1	1/18/2019	1.833	739.93	3.5	717	
KPC	5.2	CITY OF VANCEBURG	2018	2	2/18/2019	3.093	599.929	7.5	314.5	
KPC	5.2	CITY OF VANCEBURG	2018	3	3/18/2019	6.218	334.376	0	405	
KPC	5.2	CITY OF VANCEBURG	2018	4	4/18/2019	7.167	321.367	17.5	163.5	
KPC	5.2	CITY OF VANCEBURG	2018	5	5/18/2019	77.92	78.935	244.5	0	
KPC	5.2	CITY OF VANCEBURG	2018	6	6/18/2019	262.363	1.064	294	0	
KPC	5.2	CITY OF VANCEBURG	2018	7	7/18/2019	349.839	0	351.5	0	
KPC	5.2	CITY OF VANCEBURG	2018	8	8/18/2019	319.404	0	329	0	
KPC	5.2	CITY OF VANCEBURG	2018	9	9/18/2019	323.511	0	253.5	0	
KPC	5.2	CITY OF VANCEBURG	2018	10	10/18/2019	202.638	20.028	92	102.5	
KPC	5.2	CITY OF VANCEBURG	2018	11	11/18/2019	29.617	193.999	1	393	
KPC	5.2	CITY OF VANCEBURG	2018	12	12/18/2019	0.164	447.035	0	458	
KPC	5.2	CITY OF VANCEBURG	2019	1	1/19/2019	0	455.478	0	614.5	
KPC	5.2	CITY OF VANCEBURG	2019	2	2/19/2019	0.133	607.582	0.367	484.617	
KPC	5.2	CITY OF VANCEBURG	2019	3	3/19/2019	1.815	456.117	7.417	315.133	
KPC	5.2	CITY OF VANCEBURG	2019	4	4/19/2019	14.237	226.324	30.333	90.15	
KPC	5.2	CITY OF VANCEBURG	2019	5	5/19/2019	46.554	52.944	97.067	13	
KPC	5.2	CITY OF VANCEBURG	2019	6	6/19/2019	142.415	6.464	240.15	0.033	
KPC	5.2	CITY OF VANCEBURG	2019	7	7/19/2019	289.038	0.013	340.867	0	
KPC	5.2	CITY OF VANCEBURG	2019	8	8/19/2019	324.97	0	307.267	0	
KPC	5.2	CITY OF VANCEBURG	2019	9	9/19/2019	262.68	0.145	142.717	2.85	

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Kentucky Power Company
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JURIS	revcls	name	YEAR	MONTH	time	bcdd65	bhdd55	CDD65	HDD55	KWH
KPC	5.2	CITY OF VANCEBURG	2019	10	10/19/2019	90.022	19.463	25.367	78.767	
KPC	5.2	CITY OF VANCEBURG	2019	11	11/19/2019	12.435	145.89	2.283	282.35	
KPC	5.2	CITY OF VANCEBURG	2019	12	12/19/2019	1.243	376.642	0.167	532.483	
KPC	5.2	CITY OF VANCEBURG	2020	1	1/20/2019	0.188	564.45	0.183	629.933	
KPC	5.2	CITY OF VANCEBURG	2020	2	2/20/2019	0.133	607.582	0.367	484.617	
KPC	5.2	CITY OF VANCEBURG	2020	3	3/20/2019	1.815	456.117	7.417	315.133	
KPC	5.2	CITY OF VANCEBURG	2020	4	4/20/2019	14.237	226.324	30.333	90.15	
KPC	5.2	CITY OF VANCEBURG	2020	5	5/20/2019	46.554	52.944	97.067	13	
KPC	5.2	CITY OF VANCEBURG	2020	6	6/20/2019	142.415	6.464	240.15	0.033	
KPC	5.2	CITY OF VANCEBURG	2020	7	7/20/2019	289.038	0.013	340.867	0	
KPC	5.2	CITY OF VANCEBURG	2020	8	8/20/2019	324.97	0	307.267	0	
KPC	5.2	CITY OF VANCEBURG	2020	9	9/20/2019	262.68	0.145	142.717	2.85	
KPC	5.2	CITY OF VANCEBURG	2020	10	10/20/2019	90.022	19.463	25.367	78.767	
KPC	5.2	CITY OF VANCEBURG	2020	11	11/20/2019	12.435	145.89	2.283	282.35	
KPC	5.2	CITY OF VANCEBURG	2020	12	12/20/2019	1.243	376.642	0.167	532.483	
KPC	5.2	CITY OF VANCEBURG	2021	1	1/21/2019	0.188	564.45	0.183	629.933	
KPC	5.2	CITY OF VANCEBURG	2021	2	2/21/2019	0.133	607.582	0.367	484.617	
KPC	5.2	CITY OF VANCEBURG	2021	3	3/21/2019	1.815	456.117	7.417	315.133	
KPC	5.2	CITY OF VANCEBURG	2021	4	4/21/2019	14.237	226.324	30.333	90.15	
KPC	5.2	CITY OF VANCEBURG	2021	5	5/21/2019	46.554	52.944	97.067	13	
KPC	5.2	CITY OF VANCEBURG	2021	6	6/21/2019	142.415	6.464	240.15	0.033	
KPC	5.2	CITY OF VANCEBURG	2021	7	7/21/2019	289.038	0.013	340.867	0	
KPC	5.2	CITY OF VANCEBURG	2021	8	8/21/2019	324.97	0	307.267	0	
KPC	5.2	CITY OF VANCEBURG	2021	9	9/21/2019	262.68	0.145	142.717	2.85	
KPC	5.2	CITY OF VANCEBURG	2021	10	10/21/2019	90.022	19.463	25.367	78.767	
KPC	5.2	CITY OF VANCEBURG	2021	11	11/21/2019	12.435	145.89	2.283	282.35	
KPC	5.2	CITY OF VANCEBURG	2021	12	12/21/2019	1.243	376.642	0.167	532.483	
KPC	5.2	CITY OF VANCEBURG	2022	1	1/22/2019	0.188	564.45	0.183	629.933	
KPC	5.2	CITY OF VANCEBURG	2022	2	2/22/2019	0.133	607.582	0.367	484.617	
KPC	5.2	CITY OF VANCEBURG	2022	3	3/22/2019	1.815	456.117	7.417	315.133	
KPC	5.2	CITY OF VANCEBURG	2022	4	4/22/2019	14.237	226.324	30.333	90.15	
KPC	5.2	CITY OF VANCEBURG	2022	5	5/22/2019	46.554	52.944	97.067	13	
KPC	5.2	CITY OF VANCEBURG	2022	6	6/22/2019	142.415	6.464	240.15	0.033	

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JURIS	revcls	name	YEAR	MONTH	time	bcdd65	bhdd55	CDD65	HDD55	KWH
KPC	5.2	CITY OF VANCEBURG	2022	7	7/22/2019	289.038	0.013	340.867		0
KPC	5.2	CITY OF VANCEBURG	2022	8	8/22/2019	324.97	0	307.267		0
KPC	5.2	CITY OF VANCEBURG	2022	9	9/22/2019	262.68	0.145	142.717	2.85	
KPC	5.2	CITY OF VANCEBURG	2022	10	10/22/2019	90.022	19.463	25.367	78.767	
KPC	5.2	CITY OF VANCEBURG	2022	11	11/22/2019	12.435	145.89	2.283	282.35	
KPC	5.2	CITY OF VANCEBURG	2022	12	12/22/2019	1.243	376.642	0.167	532.483	

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 Wholesale Energy Models Output Data

JURIS	revcls	name	YEAR	MONTH	FORECAST	STD	L95	U95	RESIDUAL
KPC	5.2	CITY OF OLIVE HILL	2009	1					
KPC	5.2	CITY OF OLIVE HILL	2009	2					
KPC	5.2	CITY OF OLIVE HILL	2009	3					
KPC	5.2	CITY OF OLIVE HILL	2009	4					
KPC	5.2	CITY OF OLIVE HILL	2009	5					
KPC	5.2	CITY OF OLIVE HILL	2009	6					
KPC	5.2	CITY OF OLIVE HILL	2009	7					
KPC	5.2	CITY OF OLIVE HILL	2009	8					
KPC	5.2	CITY OF OLIVE HILL	2009	9					
KPC	5.2	CITY OF OLIVE HILL	2009	10					
KPC	5.2	CITY OF OLIVE HILL	2009	11					
KPC	5.2	CITY OF OLIVE HILL	2009	12					
KPC	5.2	CITY OF OLIVE HILL	2010	1					
KPC	5.2	CITY OF OLIVE HILL	2010	2					
KPC	5.2	CITY OF OLIVE HILL	2010	3					
KPC	5.2	CITY OF OLIVE HILL	2010	4					
KPC	5.2	CITY OF OLIVE HILL	2010	5					
KPC	5.2	CITY OF OLIVE HILL	2010	6					
KPC	5.2	CITY OF OLIVE HILL	2010	7					
KPC	5.2	CITY OF OLIVE HILL	2010	8					
KPC	5.2	CITY OF OLIVE HILL	2010	9					
KPC	5.2	CITY OF OLIVE HILL	2010	10					
KPC	5.2	CITY OF OLIVE HILL	2010	11					
KPC	5.2	CITY OF OLIVE HILL	2010	12					
KPC	5.2	CITY OF OLIVE HILL	2011	1					
KPC	5.2	CITY OF OLIVE HILL	2011	2					
KPC	5.2	CITY OF OLIVE HILL	2011	3					
KPC	5.2	CITY OF OLIVE HILL	2011	4					
KPC	5.2	CITY OF OLIVE HILL	2011	5					
KPC	5.2	CITY OF OLIVE HILL	2011	6					
KPC	5.2	CITY OF OLIVE HILL	2011	7					
KPC	5.2	CITY OF OLIVE HILL	2011	8					
KPC	5.2	CITY OF OLIVE HILL	2011	9					

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Kentucky Power Company
 Wholesale Energy Models Output Data

JURIS	revcls	name	YEAR	MONTH	FORECAST	STD	L95	U95	RESIDUAL
KPC	5.2	CITY OF OLIVE HILL	2011	10					
KPC	5.2	CITY OF OLIVE HILL	2011	11					
KPC	5.2	CITY OF OLIVE HILL	2011	12					
KPC	5.2	CITY OF OLIVE HILL	2012	1					
KPC	5.2	CITY OF OLIVE HILL	2012	2					
KPC	5.2	CITY OF OLIVE HILL	2012	3					
KPC	5.2	CITY OF OLIVE HILL	2012	4					
KPC	5.2	CITY OF OLIVE HILL	2012	5					
KPC	5.2	CITY OF OLIVE HILL	2012	6					
KPC	5.2	CITY OF OLIVE HILL	2012	7					
KPC	5.2	CITY OF OLIVE HILL	2012	8					
KPC	5.2	CITY OF OLIVE HILL	2012	9					
KPC	5.2	CITY OF OLIVE HILL	2012	10					
KPC	5.2	CITY OF OLIVE HILL	2012	11					
KPC	5.2	CITY OF OLIVE HILL	2012	12					
KPC	5.2	CITY OF OLIVE HILL	2013	1					
KPC	5.2	CITY OF OLIVE HILL	2013	2					
KPC	5.2	CITY OF OLIVE HILL	2013	3					
KPC	5.2	CITY OF OLIVE HILL	2013	4					
KPC	5.2	CITY OF OLIVE HILL	2013	5					
KPC	5.2	CITY OF OLIVE HILL	2013	6					
KPC	5.2	CITY OF OLIVE HILL	2013	7					
KPC	5.2	CITY OF OLIVE HILL	2013	8					
KPC	5.2	CITY OF OLIVE HILL	2013	9					
KPC	5.2	CITY OF OLIVE HILL	2013	10					
KPC	5.2	CITY OF OLIVE HILL	2013	11					
KPC	5.2	CITY OF OLIVE HILL	2013	12					
KPC	5.2	CITY OF OLIVE HILL	2014	1					
KPC	5.2	CITY OF OLIVE HILL	2014	2					
KPC	5.2	CITY OF OLIVE HILL	2014	3					
KPC	5.2	CITY OF OLIVE HILL	2014	4					
KPC	5.2	CITY OF OLIVE HILL	2014	5					
KPC	5.2	CITY OF OLIVE HILL	2014	6					

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Kentucky Power Company
 Wholesale Energy Models Output Data

JURIS	revcls	name	YEAR	MONTH	FORECAST	STD	L95	U95	RESIDUAL
KPC	5.2	CITY OF OLIVE HILL	2014	7					
KPC	5.2	CITY OF OLIVE HILL	2014	8					
KPC	5.2	CITY OF OLIVE HILL	2014	9					
KPC	5.2	CITY OF OLIVE HILL	2014	10					
KPC	5.2	CITY OF OLIVE HILL	2014	11					
KPC	5.2	CITY OF OLIVE HILL	2014	12					
KPC	5.2	CITY OF OLIVE HILL	2015	1					
KPC	5.2	CITY OF OLIVE HILL	2015	2					
KPC	5.2	CITY OF OLIVE HILL	2015	3					
KPC	5.2	CITY OF OLIVE HILL	2015	4					
KPC	5.2	CITY OF OLIVE HILL	2015	5					
KPC	5.2	CITY OF OLIVE HILL	2015	6					
KPC	5.2	CITY OF OLIVE HILL	2015	7					
KPC	5.2	CITY OF OLIVE HILL	2015	8					
KPC	5.2	CITY OF OLIVE HILL	2015	9					
KPC	5.2	CITY OF OLIVE HILL	2015	10					
KPC	5.2	CITY OF OLIVE HILL	2015	11					
KPC	5.2	CITY OF OLIVE HILL	2015	12					
KPC	5.2	CITY OF OLIVE HILL	2016	1					
KPC	5.2	CITY OF OLIVE HILL	2016	2					
KPC	5.2	CITY OF OLIVE HILL	2016	3					
KPC	5.2	CITY OF OLIVE HILL	2016	4					
KPC	5.2	CITY OF OLIVE HILL	2016	5					
KPC	5.2	CITY OF OLIVE HILL	2016	6					
KPC	5.2	CITY OF OLIVE HILL	2016	7					
KPC	5.2	CITY OF OLIVE HILL	2016	8					
KPC	5.2	CITY OF OLIVE HILL	2016	9					
KPC	5.2	CITY OF OLIVE HILL	2016	10					
KPC	5.2	CITY OF OLIVE HILL	2016	11					
KPC	5.2	CITY OF OLIVE HILL	2016	12					
KPC	5.2	CITY OF OLIVE HILL	2017	1					
KPC	5.2	CITY OF OLIVE HILL	2017	2					
KPC	5.2	CITY OF OLIVE HILL	2017	3					

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Kentucky Power Company
 Wholesale Energy Models Output Data

JURIS	revcls	name	YEAR	MONTH	FORECAST	STD	L95	U95	RESIDUAL
KPC	5.2	CITY OF OLIVE HILL	2017	4					
KPC	5.2	CITY OF OLIVE HILL	2017	5					
KPC	5.2	CITY OF OLIVE HILL	2017	6					
KPC	5.2	CITY OF OLIVE HILL	2017	7					
KPC	5.2	CITY OF OLIVE HILL	2017	8					
KPC	5.2	CITY OF OLIVE HILL	2017	9					
KPC	5.2	CITY OF OLIVE HILL	2017	10					
KPC	5.2	CITY OF OLIVE HILL	2017	11					
KPC	5.2	CITY OF OLIVE HILL	2017	12					
KPC	5.2	CITY OF OLIVE HILL	2018	1					
KPC	5.2	CITY OF OLIVE HILL	2018	2					
KPC	5.2	CITY OF OLIVE HILL	2018	3					
KPC	5.2	CITY OF OLIVE HILL	2018	4					
KPC	5.2	CITY OF OLIVE HILL	2018	5					
KPC	5.2	CITY OF OLIVE HILL	2018	6					
KPC	5.2	CITY OF OLIVE HILL	2018	7					
KPC	5.2	CITY OF OLIVE HILL	2018	8					
KPC	5.2	CITY OF OLIVE HILL	2018	9					
KPC	5.2	CITY OF OLIVE HILL	2018	10					
KPC	5.2	CITY OF OLIVE HILL	2018	11					
KPC	5.2	CITY OF OLIVE HILL	2018	12					
KPC	5.2	CITY OF OLIVE HILL	2019	1					
KPC	5.2	CITY OF OLIVE HILL	2019	2					
KPC	5.2	CITY OF OLIVE HILL	2019	3					
KPC	5.2	CITY OF OLIVE HILL	2019	4					
KPC	5.2	CITY OF OLIVE HILL	2019	5					
KPC	5.2	CITY OF OLIVE HILL	2019	6					
KPC	5.2	CITY OF OLIVE HILL	2019	7					
KPC	5.2	CITY OF OLIVE HILL	2019	8					
KPC	5.2	CITY OF OLIVE HILL	2019	9					
KPC	5.2	CITY OF OLIVE HILL	2019	10					
KPC	5.2	CITY OF OLIVE HILL	2019	11					
KPC	5.2	CITY OF OLIVE HILL	2019	12					

Confidential

Kentucky Power Company
 Wholesale Energy Models Output Data

JURIS	revcls	name	YEAR	MONTH	FORECAST	STD	L95	U95	RESIDUAL
KPC	5.2	CITY OF OLIVE HILL	2020	1					
KPC	5.2	CITY OF OLIVE HILL	2020	2					
KPC	5.2	CITY OF OLIVE HILL	2020	3					
KPC	5.2	CITY OF OLIVE HILL	2020	4					
KPC	5.2	CITY OF OLIVE HILL	2020	5					
KPC	5.2	CITY OF OLIVE HILL	2020	6					
KPC	5.2	CITY OF OLIVE HILL	2020	7					
KPC	5.2	CITY OF OLIVE HILL	2020	8					
KPC	5.2	CITY OF OLIVE HILL	2020	9					
KPC	5.2	CITY OF OLIVE HILL	2020	10					
KPC	5.2	CITY OF OLIVE HILL	2020	11					
KPC	5.2	CITY OF OLIVE HILL	2020	12					
KPC	5.2	CITY OF OLIVE HILL	2021	1					
KPC	5.2	CITY OF OLIVE HILL	2021	2					
KPC	5.2	CITY OF OLIVE HILL	2021	3					
KPC	5.2	CITY OF OLIVE HILL	2021	4					
KPC	5.2	CITY OF OLIVE HILL	2021	5					
KPC	5.2	CITY OF OLIVE HILL	2021	6					
KPC	5.2	CITY OF OLIVE HILL	2021	7					
KPC	5.2	CITY OF OLIVE HILL	2021	8					
KPC	5.2	CITY OF OLIVE HILL	2021	9					
KPC	5.2	CITY OF OLIVE HILL	2021	10					
KPC	5.2	CITY OF OLIVE HILL	2021	11					
KPC	5.2	CITY OF OLIVE HILL	2021	12					
KPC	5.2	CITY OF OLIVE HILL	2022	1					
KPC	5.2	CITY OF OLIVE HILL	2022	2					
KPC	5.2	CITY OF OLIVE HILL	2022	3					
KPC	5.2	CITY OF OLIVE HILL	2022	4					
KPC	5.2	CITY OF OLIVE HILL	2022	5					
KPC	5.2	CITY OF OLIVE HILL	2022	6					
KPC	5.2	CITY OF OLIVE HILL	2022	7					
KPC	5.2	CITY OF OLIVE HILL	2022	8					
KPC	5.2	CITY OF OLIVE HILL	2022	9					

Confidential

Kentucky Power Company
 Wholesale Energy Models Output Data

JURIS	revcls	name	YEAR	MONTH	FORECAST	STD	L95	U95	RESIDUAL
KPC	5.2	CITY OF OLIVE HILL	2022	10					
KPC	5.2	CITY OF OLIVE HILL	2022	11					
KPC	5.2	CITY OF OLIVE HILL	2022	12					
KPC	5.2	CITY OF VANCEBURG	2009	1					
KPC	5.2	CITY OF VANCEBURG	2009	2					
KPC	5.2	CITY OF VANCEBURG	2009	3					
KPC	5.2	CITY OF VANCEBURG	2009	4					
KPC	5.2	CITY OF VANCEBURG	2009	5					
KPC	5.2	CITY OF VANCEBURG	2009	6					
KPC	5.2	CITY OF VANCEBURG	2009	7					
KPC	5.2	CITY OF VANCEBURG	2009	8					
KPC	5.2	CITY OF VANCEBURG	2009	9					
KPC	5.2	CITY OF VANCEBURG	2009	10					
KPC	5.2	CITY OF VANCEBURG	2009	11					
KPC	5.2	CITY OF VANCEBURG	2009	12					
KPC	5.2	CITY OF VANCEBURG	2010	1					
KPC	5.2	CITY OF VANCEBURG	2010	2					
KPC	5.2	CITY OF VANCEBURG	2010	3					
KPC	5.2	CITY OF VANCEBURG	2010	4					
KPC	5.2	CITY OF VANCEBURG	2010	5					
KPC	5.2	CITY OF VANCEBURG	2010	6					
KPC	5.2	CITY OF VANCEBURG	2010	7					
KPC	5.2	CITY OF VANCEBURG	2010	8					
KPC	5.2	CITY OF VANCEBURG	2010	9					
KPC	5.2	CITY OF VANCEBURG	2010	10					
KPC	5.2	CITY OF VANCEBURG	2010	11					
KPC	5.2	CITY OF VANCEBURG	2010	12					
KPC	5.2	CITY OF VANCEBURG	2011	1					
KPC	5.2	CITY OF VANCEBURG	2011	2					
KPC	5.2	CITY OF VANCEBURG	2011	3					
KPC	5.2	CITY OF VANCEBURG	2011	4					
KPC	5.2	CITY OF VANCEBURG	2011	5					
KPC	5.2	CITY OF VANCEBURG	2011	6					

Confidential

Kentucky Power Company
 Wholesale Energy Models Output Data

JURIS	revcls	name	YEAR	MONTH	FORECAST	STD	L95	U95	RESIDUAL
KPC	5.2	CITY OF VANCEBURG	2011	7					
KPC	5.2	CITY OF VANCEBURG	2011	8					
KPC	5.2	CITY OF VANCEBURG	2011	9					
KPC	5.2	CITY OF VANCEBURG	2011	10					
KPC	5.2	CITY OF VANCEBURG	2011	11					
KPC	5.2	CITY OF VANCEBURG	2011	12					
KPC	5.2	CITY OF VANCEBURG	2012	1					
KPC	5.2	CITY OF VANCEBURG	2012	2					
KPC	5.2	CITY OF VANCEBURG	2012	3					
KPC	5.2	CITY OF VANCEBURG	2012	4					
KPC	5.2	CITY OF VANCEBURG	2012	5					
KPC	5.2	CITY OF VANCEBURG	2012	6					
KPC	5.2	CITY OF VANCEBURG	2012	7					
KPC	5.2	CITY OF VANCEBURG	2012	8					
KPC	5.2	CITY OF VANCEBURG	2012	9					
KPC	5.2	CITY OF VANCEBURG	2012	10					
KPC	5.2	CITY OF VANCEBURG	2012	11					
KPC	5.2	CITY OF VANCEBURG	2012	12					
KPC	5.2	CITY OF VANCEBURG	2013	1					
KPC	5.2	CITY OF VANCEBURG	2013	2					
KPC	5.2	CITY OF VANCEBURG	2013	3					
KPC	5.2	CITY OF VANCEBURG	2013	4					
KPC	5.2	CITY OF VANCEBURG	2013	5					
KPC	5.2	CITY OF VANCEBURG	2013	6					
KPC	5.2	CITY OF VANCEBURG	2013	7					
KPC	5.2	CITY OF VANCEBURG	2013	8					
KPC	5.2	CITY OF VANCEBURG	2013	9					
KPC	5.2	CITY OF VANCEBURG	2013	10					
KPC	5.2	CITY OF VANCEBURG	2013	11					
KPC	5.2	CITY OF VANCEBURG	2013	12					
KPC	5.2	CITY OF VANCEBURG	2014	1					
KPC	5.2	CITY OF VANCEBURG	2014	2					
KPC	5.2	CITY OF VANCEBURG	2014	3					

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Kentucky Power Company
 Wholesale Energy Models Output Data

JURIS	revcls	name	YEAR	MONTH	FORECAST	STD	L95	U95	RESIDUAL
KPC	5.2	CITY OF VANCEBURG	2014	4					
KPC	5.2	CITY OF VANCEBURG	2014	5					
KPC	5.2	CITY OF VANCEBURG	2014	6					
KPC	5.2	CITY OF VANCEBURG	2014	7					
KPC	5.2	CITY OF VANCEBURG	2014	8					
KPC	5.2	CITY OF VANCEBURG	2014	9					
KPC	5.2	CITY OF VANCEBURG	2014	10					
KPC	5.2	CITY OF VANCEBURG	2014	11					
KPC	5.2	CITY OF VANCEBURG	2014	12					
KPC	5.2	CITY OF VANCEBURG	2015	1					
KPC	5.2	CITY OF VANCEBURG	2015	2					
KPC	5.2	CITY OF VANCEBURG	2015	3					
KPC	5.2	CITY OF VANCEBURG	2015	4					
KPC	5.2	CITY OF VANCEBURG	2015	5					
KPC	5.2	CITY OF VANCEBURG	2015	6					
KPC	5.2	CITY OF VANCEBURG	2015	7					
KPC	5.2	CITY OF VANCEBURG	2015	8					
KPC	5.2	CITY OF VANCEBURG	2015	9					
KPC	5.2	CITY OF VANCEBURG	2015	10					
KPC	5.2	CITY OF VANCEBURG	2015	11					
KPC	5.2	CITY OF VANCEBURG	2015	12					
KPC	5.2	CITY OF VANCEBURG	2016	1					
KPC	5.2	CITY OF VANCEBURG	2016	2					
KPC	5.2	CITY OF VANCEBURG	2016	3					
KPC	5.2	CITY OF VANCEBURG	2016	4					
KPC	5.2	CITY OF VANCEBURG	2016	5					
KPC	5.2	CITY OF VANCEBURG	2016	6					
KPC	5.2	CITY OF VANCEBURG	2016	7					
KPC	5.2	CITY OF VANCEBURG	2016	8					
KPC	5.2	CITY OF VANCEBURG	2016	9					
KPC	5.2	CITY OF VANCEBURG	2016	10					
KPC	5.2	CITY OF VANCEBURG	2016	11					
KPC	5.2	CITY OF VANCEBURG	2016	12					

Confidential

Kentucky Power Company
 Wholesale Energy Models Output Data

JURIS	revcls	name	YEAR	MONTH	FORECAST	STD	L95	U95	RESIDUAL
KPC	5.2	CITY OF VANCEBURG	2017	1					
KPC	5.2	CITY OF VANCEBURG	2017	2					
KPC	5.2	CITY OF VANCEBURG	2017	3					
KPC	5.2	CITY OF VANCEBURG	2017	4					
KPC	5.2	CITY OF VANCEBURG	2017	5					
KPC	5.2	CITY OF VANCEBURG	2017	6					
KPC	5.2	CITY OF VANCEBURG	2017	7					
KPC	5.2	CITY OF VANCEBURG	2017	8					
KPC	5.2	CITY OF VANCEBURG	2017	9					
KPC	5.2	CITY OF VANCEBURG	2017	10					
KPC	5.2	CITY OF VANCEBURG	2017	11					
KPC	5.2	CITY OF VANCEBURG	2017	12					
KPC	5.2	CITY OF VANCEBURG	2018	1					
KPC	5.2	CITY OF VANCEBURG	2018	2					
KPC	5.2	CITY OF VANCEBURG	2018	3					
KPC	5.2	CITY OF VANCEBURG	2018	4					
KPC	5.2	CITY OF VANCEBURG	2018	5					
KPC	5.2	CITY OF VANCEBURG	2018	6					
KPC	5.2	CITY OF VANCEBURG	2018	7					
KPC	5.2	CITY OF VANCEBURG	2018	8					
KPC	5.2	CITY OF VANCEBURG	2018	9					
KPC	5.2	CITY OF VANCEBURG	2018	10					
KPC	5.2	CITY OF VANCEBURG	2018	11					
KPC	5.2	CITY OF VANCEBURG	2018	12					
KPC	5.2	CITY OF VANCEBURG	2019	1					
KPC	5.2	CITY OF VANCEBURG	2019	2					
KPC	5.2	CITY OF VANCEBURG	2019	3					
KPC	5.2	CITY OF VANCEBURG	2019	4					
KPC	5.2	CITY OF VANCEBURG	2019	5					
KPC	5.2	CITY OF VANCEBURG	2019	6					
KPC	5.2	CITY OF VANCEBURG	2019	7					
KPC	5.2	CITY OF VANCEBURG	2019	8					
KPC	5.2	CITY OF VANCEBURG	2019	9					

Confidential

Kentucky Power Company
 Wholesale Energy Models Output Data

JURIS	revcls	name	YEAR	MONTH	FORECAST	STD	L95	U95	RESIDUAL
KPC	5.2	CITY OF VANCEBURG	2019	10					
KPC	5.2	CITY OF VANCEBURG	2019	11					
KPC	5.2	CITY OF VANCEBURG	2019	12					
KPC	5.2	CITY OF VANCEBURG	2020	1					
KPC	5.2	CITY OF VANCEBURG	2020	2					
KPC	5.2	CITY OF VANCEBURG	2020	3					
KPC	5.2	CITY OF VANCEBURG	2020	4					
KPC	5.2	CITY OF VANCEBURG	2020	5					
KPC	5.2	CITY OF VANCEBURG	2020	6					
KPC	5.2	CITY OF VANCEBURG	2020	7					
KPC	5.2	CITY OF VANCEBURG	2020	8					
KPC	5.2	CITY OF VANCEBURG	2020	9					
KPC	5.2	CITY OF VANCEBURG	2020	10					
KPC	5.2	CITY OF VANCEBURG	2020	11					
KPC	5.2	CITY OF VANCEBURG	2020	12					
KPC	5.2	CITY OF VANCEBURG	2021	1					
KPC	5.2	CITY OF VANCEBURG	2021	2					
KPC	5.2	CITY OF VANCEBURG	2021	3					
KPC	5.2	CITY OF VANCEBURG	2021	4					
KPC	5.2	CITY OF VANCEBURG	2021	5					
KPC	5.2	CITY OF VANCEBURG	2021	6					
KPC	5.2	CITY OF VANCEBURG	2021	7					
KPC	5.2	CITY OF VANCEBURG	2021	8					
KPC	5.2	CITY OF VANCEBURG	2021	9					
KPC	5.2	CITY OF VANCEBURG	2021	10					
KPC	5.2	CITY OF VANCEBURG	2021	11					
KPC	5.2	CITY OF VANCEBURG	2021	12					
KPC	5.2	CITY OF VANCEBURG	2022	1					
KPC	5.2	CITY OF VANCEBURG	2022	2					
KPC	5.2	CITY OF VANCEBURG	2022	3					
KPC	5.2	CITY OF VANCEBURG	2022	4					
KPC	5.2	CITY OF VANCEBURG	2022	5					
KPC	5.2	CITY OF VANCEBURG	2022	6					

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Kentucky Power Company
 Wholesale Energy Models Output Data

JURIS	revcls	name	YEAR	MONTH	FORECAST	STD	L95	U95	RESIDUAL
KPC	5.2	CITY OF VANCEBURG	2022	7					
KPC	5.2	CITY OF VANCEBURG	2022	8					
KPC	5.2	CITY OF VANCEBURG	2022	9					
KPC	5.2	CITY OF VANCEBURG	2022	10					
KPC	5.2	CITY OF VANCEBURG	2022	11					
KPC	5.2	CITY OF VANCEBURG	2022	12					

CONFIDENTIAL
LONG-TERM WHOLESale

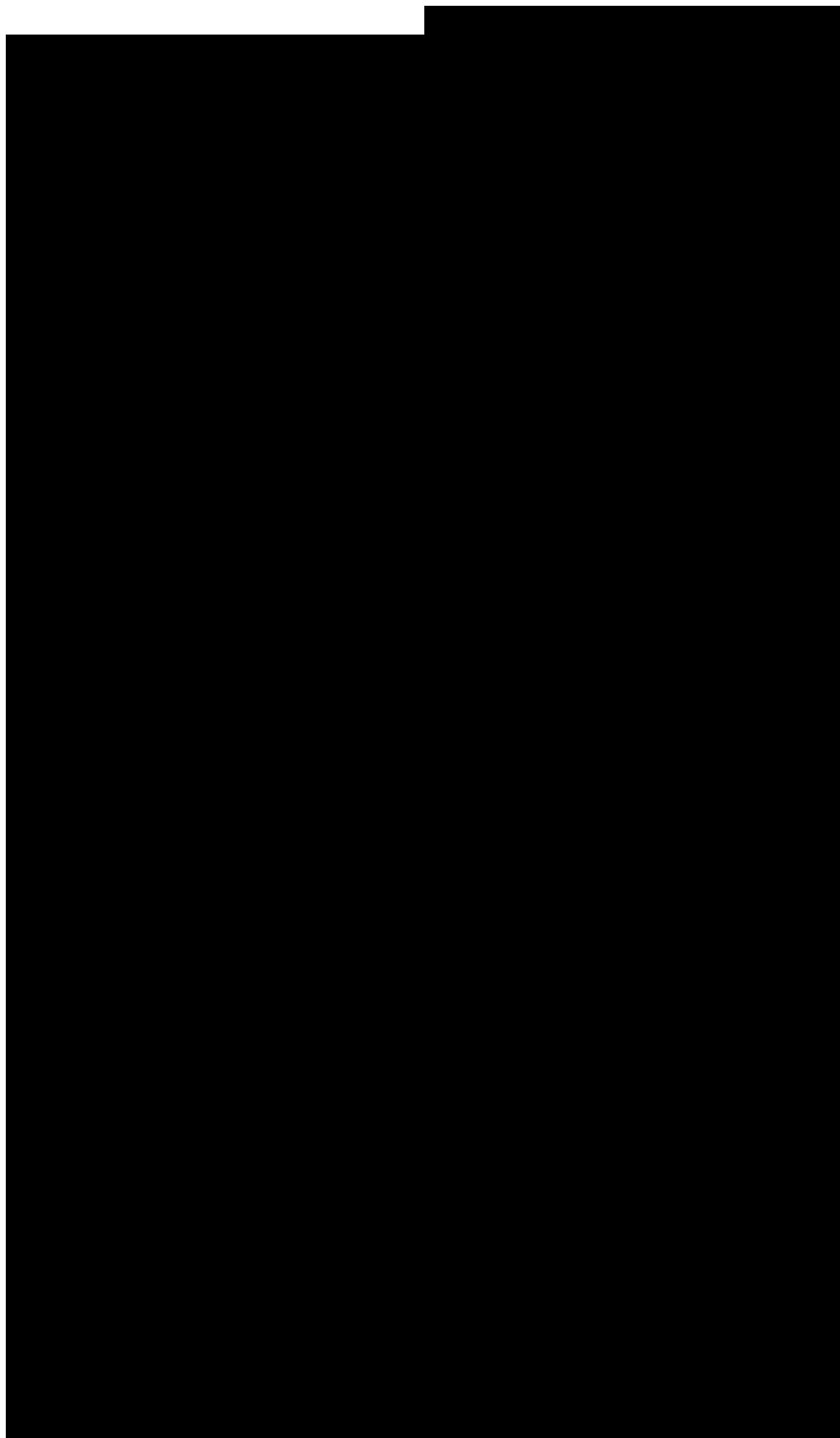
Kentucky Power Company
Municipal Energy Sales-Vanceburg
Endogenous Variable

The MEANS Procedure

Variable	Label	Mean
YEAR	YEAR	2029.50
MONTH	MONTH	6.5000000
KWH	Energy (kWh)	

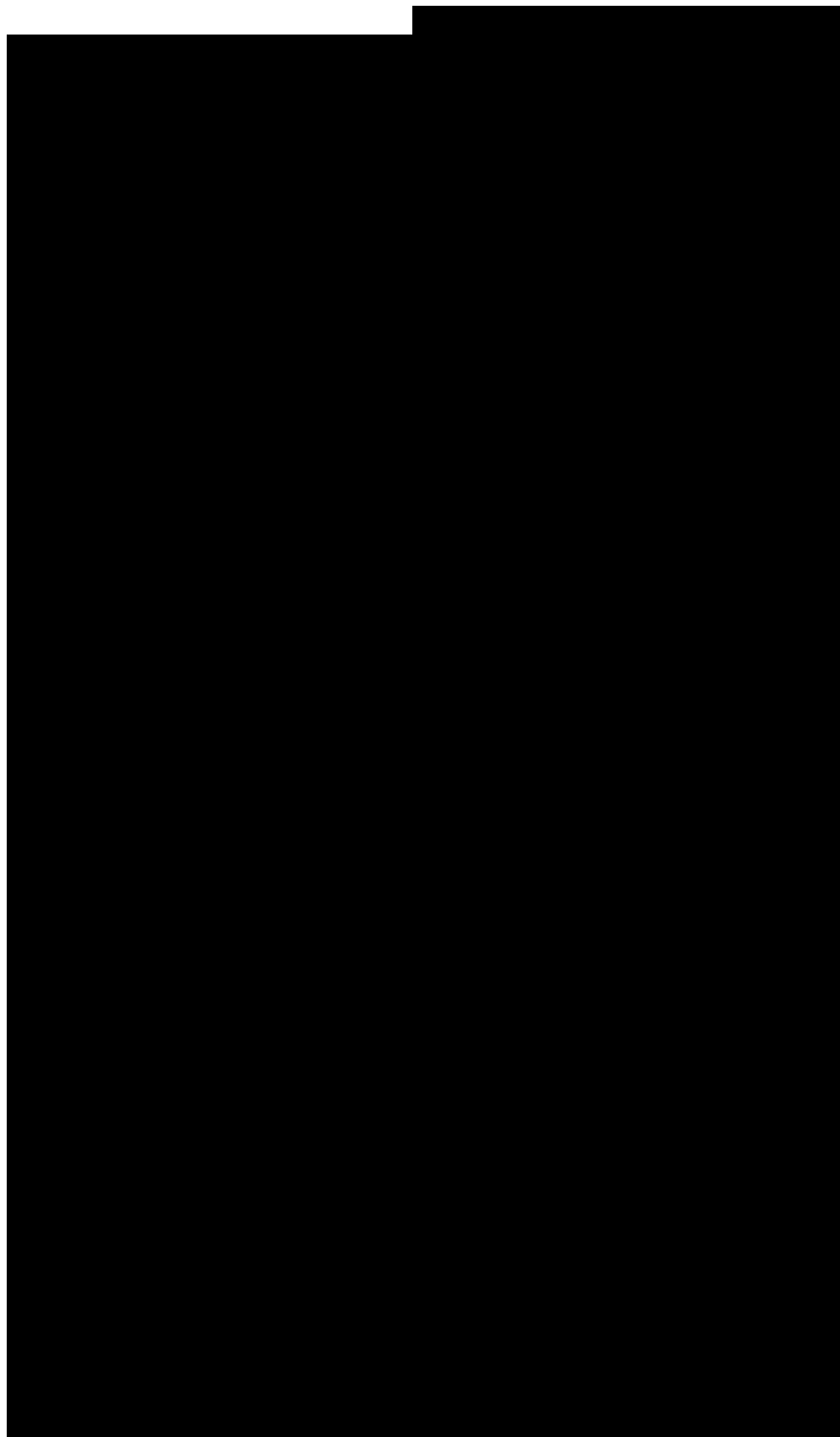
Kentucky Power Company
Municipal Energy Sales-Vanceburg
Endogenous Variable

Obs YEAR MONTH KWH



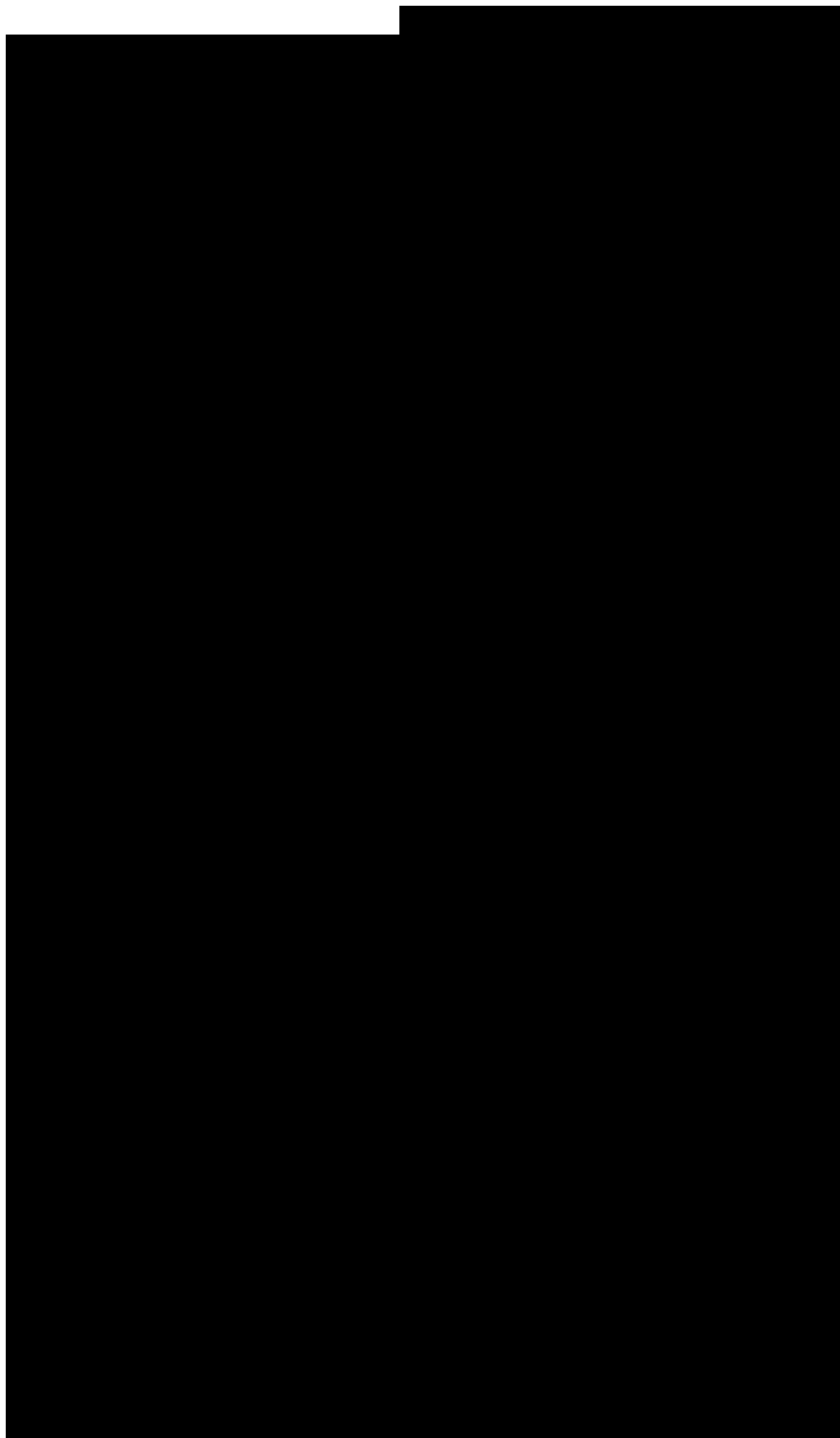
Kentucky Power Company
Municipal Energy Sales-Vanceburg
Endogenous Variable

Obs YEAR MONTH KWH



Kentucky Power Company
Municipal Energy Sales-Vanceburg
Endogenous Variable

Obs YEAR MONTH KWH



Kentucky Power Company
Municipal Energy Sales-Vanceburg
Endogenous Variable

Obs YEAR MONTH KWH



170	2019	2	.
171	2019	3	.
172	2019	4	.
173	2019	5	.
174	2019	6	.
175	2019	7	.
176	2019	8	.
177	2019	9	.
178	2019	10	.
179	2019	11	.
180	2019	12	.
181	2020	1	.
182	2020	2	.
183	2020	3	.
184	2020	4	.
185	2020	5	.
186	2020	6	.
187	2020	7	.
188	2020	8	.
189	2020	9	.
190	2020	10	.
191	2020	11	.
192	2020	12	.
193	2021	1	.
194	2021	2	.
195	2021	3	.
196	2021	4	.
197	2021	5	.
198	2021	6	.
199	2021	7	.
200	2021	8	.

Kentucky Power Company
 Municipal Energy Sales-Vanceburg
 Endogenous Variable

Obs	YEAR	MONTH	KWH
201	2021	9	.
202	2021	10	.
203	2021	11	.
204	2021	12	.
205	2022	1	.
206	2022	2	.
207	2022	3	.
208	2022	4	.
209	2022	5	.
210	2022	6	.
211	2022	7	.
212	2022	8	.
213	2022	9	.
214	2022	10	.
215	2022	11	.
216	2022	12	.
217	2023	1	.
218	2023	2	.
219	2023	3	.
220	2023	4	.
221	2023	5	.
222	2023	6	.
223	2023	7	.
224	2023	8	.
225	2023	9	.
226	2023	10	.
227	2023	11	.
228	2023	12	.
229	2024	1	.
230	2024	2	.
231	2024	3	.
232	2024	4	.
233	2024	5	.
234	2024	6	.
235	2024	7	.
236	2024	8	.
237	2024	9	.
238	2024	10	.
239	2024	11	.
240	2024	12	.
241	2025	1	.
242	2025	2	.
243	2025	3	.
244	2025	4	.
245	2025	5	.
246	2025	6	.
247	2025	7	.
248	2025	8	.
249	2025	9	.
250	2025	10	.

Kentucky Power Company
 Municipal Energy Sales-Vanceburg
 Endogenous Variable

Obs	YEAR	MONTH	KWH
251	2025	11	.
252	2025	12	.
253	2026	1	.
254	2026	2	.
255	2026	3	.
256	2026	4	.
257	2026	5	.
258	2026	6	.
259	2026	7	.
260	2026	8	.
261	2026	9	.
262	2026	10	.
263	2026	11	.
264	2026	12	.
265	2027	1	.
266	2027	2	.
267	2027	3	.
268	2027	4	.
269	2027	5	.
270	2027	6	.
271	2027	7	.
272	2027	8	.
273	2027	9	.
274	2027	10	.
275	2027	11	.
276	2027	12	.
277	2028	1	.
278	2028	2	.
279	2028	3	.
280	2028	4	.
281	2028	5	.
282	2028	6	.
283	2028	7	.
284	2028	8	.
285	2028	9	.
286	2028	10	.
287	2028	11	.
288	2028	12	.
289	2029	1	.
290	2029	2	.
291	2029	3	.
292	2029	4	.
293	2029	5	.
294	2029	6	.
295	2029	7	.
296	2029	8	.
297	2029	9	.
298	2029	10	.
299	2029	11	.
300	2029	12	.

Kentucky Power Company
Municipal Energy Sales-Vanceburg
Endogenous Variable

Obs	YEAR	MONTH	KWH
301	2030	1	.
302	2030	2	.
303	2030	3	.
304	2030	4	.
305	2030	5	.
306	2030	6	.
307	2030	7	.
308	2030	8	.
309	2030	9	.
310	2030	10	.
311	2030	11	.
312	2030	12	.
313	2031	1	.
314	2031	2	.
315	2031	3	.
316	2031	4	.
317	2031	5	.
318	2031	6	.
319	2031	7	.
320	2031	8	.
321	2031	9	.
322	2031	10	.
323	2031	11	.
324	2031	12	.
325	2032	1	.
326	2032	2	.
327	2032	3	.
328	2032	4	.
329	2032	5	.
330	2032	6	.
331	2032	7	.
332	2032	8	.
333	2032	9	.
334	2032	10	.
335	2032	11	.
336	2032	12	.
337	2033	1	.
338	2033	2	.
339	2033	3	.
340	2033	4	.
341	2033	5	.
342	2033	6	.
343	2033	7	.
344	2033	8	.
345	2033	9	.
346	2033	10	.
347	2033	11	.
348	2033	12	.
349	2034	1	.
350	2034	2	.

Kentucky Power Company
Municipal Energy Sales-Vanceburg
Endogenous Variable

Obs	YEAR	MONTH	KWH
351	2034	3	.
352	2034	4	.
353	2034	5	.
354	2034	6	.
355	2034	7	.
356	2034	8	.
357	2034	9	.
358	2034	10	.
359	2034	11	.
360	2034	12	.
361	2035	1	.
362	2035	2	.
363	2035	3	.
364	2035	4	.
365	2035	5	.
366	2035	6	.
367	2035	7	.
368	2035	8	.
369	2035	9	.
370	2035	10	.
371	2035	11	.
372	2035	12	.
373	2036	1	.
374	2036	2	.
375	2036	3	.
376	2036	4	.
377	2036	5	.
378	2036	6	.
379	2036	7	.
380	2036	8	.
381	2036	9	.
382	2036	10	.
383	2036	11	.
384	2036	12	.
385	2037	1	.
386	2037	2	.
387	2037	3	.
388	2037	4	.
389	2037	5	.
390	2037	6	.
391	2037	7	.
392	2037	8	.
393	2037	9	.
394	2037	10	.
395	2037	11	.
396	2037	12	.
397	2038	1	.
398	2038	2	.
399	2038	3	.
400	2038	4	.

Kentucky Power Company
 Municipal Energy Sales-Vanceburg
 Endogenous Variable

Obs	YEAR	MONTH	KWH
401	2038	5	.
402	2038	6	.
403	2038	7	.
404	2038	8	.
405	2038	9	.
406	2038	10	.
407	2038	11	.
408	2038	12	.
409	2039	1	.
410	2039	2	.
411	2039	3	.
412	2039	4	.
413	2039	5	.
414	2039	6	.
415	2039	7	.
416	2039	8	.
417	2039	9	.
418	2039	10	.
419	2039	11	.
420	2039	12	.
421	2040	1	.
422	2040	2	.
423	2040	3	.
424	2040	4	.
425	2040	5	.
426	2040	6	.
427	2040	7	.
428	2040	8	.
429	2040	9	.
430	2040	10	.
431	2040	11	.
432	2040	12	.
433	2041	1	.
434	2041	2	.
435	2041	3	.
436	2041	4	.
437	2041	5	.
438	2041	6	.
439	2041	7	.
440	2041	8	.
441	2041	9	.
442	2041	10	.
443	2041	11	.
444	2041	12	.
445	2042	1	.
446	2042	2	.
447	2042	3	.
448	2042	4	.
449	2042	5	.
450	2042	6	.

Kentucky Power Company
Municipal Energy Sales-Vanceburg
Endogenous Variable

Obs	YEAR	MONTH	KWH
451	2042	7	.
452	2042	8	.
453	2042	9	.
454	2042	10	.
455	2042	11	.
456	2042	12	.
457	2043	1	.
458	2043	2	.
459	2043	3	.
460	2043	4	.
461	2043	5	.
462	2043	6	.
463	2043	7	.
464	2043	8	.
465	2043	9	.
466	2043	10	.
467	2043	11	.
468	2043	12	.
469	2044	1	.
470	2044	2	.
471	2044	3	.
472	2044	4	.
473	2044	5	.
474	2044	6	.
475	2044	7	.
476	2044	8	.
477	2044	9	.
478	2044	10	.
479	2044	11	.
480	2044	12	.
481	2045	1	.
482	2045	2	.
483	2045	3	.
484	2045	4	.
485	2045	5	.
486	2045	6	.
487	2045	7	.
488	2045	8	.
489	2045	9	.
490	2045	10	.
491	2045	11	.
492	2045	12	.
493	2046	1	.
494	2046	2	.
495	2046	3	.
496	2046	4	.
497	2046	5	.
498	2046	6	.
499	2046	7	.
500	2046	8	.

Kentucky Power Company
Municipal Energy Sales-Vanceburg
Endogenous Variable

Obs	YEAR	MONTH	KWH
501	2046	9	.
502	2046	10	.
503	2046	11	.
504	2046	12	.
505	2047	1	.
506	2047	2	.
507	2047	3	.
508	2047	4	.
509	2047	5	.
510	2047	6	.
511	2047	7	.
512	2047	8	.
513	2047	9	.
514	2047	10	.
515	2047	11	.
516	2047	12	.
517	2048	1	.
518	2048	2	.
519	2048	3	.
520	2048	4	.
521	2048	5	.
522	2048	6	.
523	2048	7	.
524	2048	8	.
525	2048	9	.
526	2048	10	.
527	2048	11	.
528	2048	12	.
529	2049	1	.
530	2049	2	.
531	2049	3	.
532	2049	4	.
533	2049	5	.
534	2049	6	.
535	2049	7	.
536	2049	8	.
537	2049	9	.
538	2049	10	.
539	2049	11	.
540	2049	12	.
541	2050	1	.
542	2050	2	.
543	2050	3	.
544	2050	4	.
545	2050	5	.
546	2050	6	.
547	2050	7	.
548	2050	8	.
549	2050	9	.
550	2050	10	.

Kentucky Power Company
Municipal Energy Sales-Vanceburg
Endogenous Variable

Obs	YEAR	MONTH	KWH
551	2050	11	.
552	2050	12	.
553	2051	1	.
554	2051	2	.
555	2051	3	.
556	2051	4	.
557	2051	5	.
558	2051	6	.
559	2051	7	.
560	2051	8	.
561	2051	9	.
562	2051	10	.
563	2051	11	.
564	2051	12	.
565	2052	1	.
566	2052	2	.
567	2052	3	.
568	2052	4	.
569	2052	5	.
570	2052	6	.
571	2052	7	.
572	2052	8	.
573	2052	9	.
574	2052	10	.
575	2052	11	.
576	2052	12	.
577	2053	1	.
578	2053	2	.
579	2053	3	.
580	2053	4	.
581	2053	5	.
582	2053	6	.
583	2053	7	.
584	2053	8	.
585	2053	9	.
586	2053	10	.
587	2053	11	.
588	2053	12	.
589	2054	1	.
590	2054	2	.
591	2054	3	.
592	2054	4	.
593	2054	5	.
594	2054	6	.
595	2054	7	.
596	2054	8	.
597	2054	9	.
598	2054	10	.
599	2054	11	.
600	2054	12	.

Kentucky Power Company
 Municipal Energy Sales-Vanceburg
 Exogenous Variables

The MEANS Procedure

Variable	Label	Mean
YEAR	YEAR	2029.50
MONTH	MONTH	6.5000000
bcdd65	Cooling Degree Days (Base 65)	99.8842702
bhdd55	Heating Degree Days (Base 55)	205.1338326
N_kpc	Service Area Population	401.8393141
d1	Binary Variable-January	0.0833333
d2	Binary Variable-February	0.0833333
d3	Binary Variable-March	0.0833333
d4	Binary Variable-April	0.0833333
d5	Binary Variable-May	0.0833333
d6	Binary Variable-June	0.0833333
d7	Binary Variable-July	0.0833333
d8	Binary Variable-August	0.0833333
d9	Binary Variable-September	0.0833333
d10	Binary Variable-October	0.0833333
d11	Binary Variable-November	0.0833333
d16on	Binary Variable-2016 On	0.7800000
mar18on	Binary Variable-March 2018 On	0.7366667

Kentucky Power Company
 Municipal Energy Sales-Vanceburg
 Exogenous Variables

Obs	YEAR	MONTH	bcdd65	bhdd55	N_kpc	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	d16on	mar18on
101	2013	5	46.782	41.071	424.008	0	0	0	0	1	0	0	0	0	0	0	0	0
102	2013	6	171.516	7.183	423.767	0	0	0	0	0	1	0	0	0	0	0	0	0
103	2013	7	299.179	0.000	423.529	0	0	0	0	0	0	1	0	0	0	0	0	0
104	2013	8	279.544	0.000	423.287	0	0	0	0	0	0	0	1	0	0	0	0	0
105	2013	9	241.353	0.000	423.048	0	0	0	0	0	0	0	0	1	0	0	0	0
106	2013	10	95.527	9.981	422.809	0	0	0	0	0	0	0	0	0	1	0	0	0
107	2013	11	13.761	167.622	422.572	0	0	0	0	0	0	0	0	0	0	1	0	0
108	2013	12	0.409	453.056	422.331	0	0	0	0	0	0	0	0	0	0	0	0	0
109	2014	1	0.785	604.086	422.083	1	0	0	0	0	0	0	0	0	0	0	0	0
110	2014	2	0.000	802.093	421.844	0	1	0	0	0	0	0	0	0	0	0	0	0
111	2014	3	0.000	572.702	421.597	0	0	1	0	0	0	0	0	0	0	0	0	0
112	2014	4	6.202	279.969	421.343	0	0	0	1	0	0	0	0	0	0	0	0	0
113	2014	5	33.495	34.362	421.076	0	0	0	0	1	0	0	0	0	0	0	0	0
114	2014	6	129.349	9.490	420.804	0	0	0	0	0	1	0	0	0	0	0	0	0
115	2014	7	273.440	0.000	420.524	0	0	0	0	0	0	1	0	0	0	0	0	0
116	2014	8	193.999	0.000	420.232	0	0	0	0	0	0	0	1	0	0	0	0	0
117	2014	9	225.350	0.000	419.933	0	0	0	0	0	0	0	0	1	0	0	0	0
118	2014	10	57.139	17.230	419.629	0	0	0	0	0	0	0	0	0	1	0	0	0
119	2014	11	5.351	193.328	419.321	0	0	0	0	0	0	0	0	0	0	1	0	0
120	2014	12	0.016	466.834	419.005	0	0	0	0	0	0	0	0	0	0	0	0	0
121	2015	1	0.000	574.452	418.680	1	0	0	0	0	0	0	0	0	0	0	0	0
122	2015	2	0.000	717.939	418.369	0	1	0	0	0	0	0	0	0	0	0	0	0
123	2015	3	0.000	754.199	418.047	0	0	1	0	0	0	0	0	0	0	0	0	0
124	2015	4	4.696	212.636	417.719	0	0	0	1	0	0	0	0	0	0	0	0	0
125	2015	5	51.314	52.443	417.387	0	0	0	0	1	0	0	0	0	0	0	0	0
126	2015	6	188.370	1.784	417.051	0	0	0	0	0	1	0	0	0	0	0	0	0
127	2015	7	267.697	0.000	416.718	0	0	0	0	0	0	1	0	0	0	0	0	0
128	2015	8	284.273	0.000	416.381	0	0	0	0	0	0	0	1	0	0	0	0	0
129	2015	9	216.743	0.000	416.041	0	0	0	0	0	0	0	0	1	0	0	0	0
130	2015	10	68.708	17.508	415.698	0	0	0	0	0	0	0	0	0	1	0	0	0
131	2015	11	4.745	101.106	415.347	0	0	0	0	0	0	0	0	0	0	1	0	0
132	2015	12	0.982	248.782	414.986	0	0	0	0	0	0	0	0	0	0	0	0	0
133	2016	1	0.000	410.005	414.606	1	0	0	0	0	0	0	0	0	0	0	1	0
134	2016	2	0.000	684.951	414.230	0	1	0	0	0	0	0	0	0	0	0	1	0
135	2016	3	1.227	385.837	413.834	0	0	1	0	0	0	0	0	0	0	0	1	0
136	2016	4	9.114	138.365	413.416	0	0	0	1	0	0	0	0	0	0	0	1	0
137	2016	5	48.205	46.127	412.979	0	0	0	0	1	0	0	0	0	0	0	1	0
138	2016	6	163.285	10.800	412.518	0	0	0	0	0	1	0	0	0	0	0	1	0
139	2016	7	304.072	0.000	412.032	0	0	0	0	0	0	1	0	0	0	0	1	0
140	2016	8	406.716	0.000	411.513	0	0	0	0	0	0	0	1	0	0	0	1	0
141	2016	9	374.252	0.000	410.991	0	0	0	0	0	0	0	0	1	0	0	1	0
142	2016	10	179.174	1.800	410.457	0	0	0	0	0	0	0	0	0	1	0	1	0
143	2016	11	43.231	59.496	409.921	0	0	0	0	0	0	0	0	0	0	1	1	0
144	2016	12	1.784	349.086	409.384	0	0	0	0	0	0	0	0	0	0	0	1	0
145	2017	1	0.000	470.515	408.849	1	0	0	0	0	0	0	0	0	0	0	1	0
146	2017	2	0.000	392.104	408.350	0	1	0	0	0	0	0	0	0	0	0	1	0
147	2017	3	0.589	307.884	407.874	0	0	1	0	0	0	0	0	0	0	0	1	0
148	2017	4	13.925	190.497	407.403	0	0	0	1	0	0	0	0	0	0	0	1	0
149	2017	5	73.584	26.001	406.966	0	0	0	0	1	0	0	0	0	0	0	1	0
150	2017	6	138.414	6.267	406.568	0	0	0	0	0	1	0	0	0	0	0	1	0

Kentucky Power Company
 Municipal Energy Sales-Vanceburg
 Exogenous Variables

Obs	YEAR	MONTH	bcdd65	bhdd55	N_kpc	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	d16on	mar18on
151	2017	7	276.762	0.000	406.215	0	0	0	0	0	0	1	0	0	0	0	1	0
152	2017	8	295.694	0.000	405.899	0	0	0	0	0	0	0	1	0	0	0	1	0
153	2017	9	176.278	0.000	405.629	0	0	0	0	0	0	0	0	1	0	0	1	0
154	2017	10	129.987	3.420	405.402	0	0	0	0	0	0	0	0	0	1	0	1	0
155	2017	11	23.644	138.610	405.198	0	0	0	0	0	0	0	0	0	0	1	1	0
156	2017	12	0.884	372.551	405.024	0	0	0	0	0	0	0	0	0	0	0	1	0
157	2018	1	1.833	739.930	404.867	1	0	0	0	0	0	0	0	0	0	0	1	0
158	2018	2	3.093	599.929	404.741	0	1	0	0	0	0	0	0	0	0	0	1	0
159	2018	3	6.218	334.376	404.622	0	0	1	0	0	0	0	0	0	0	0	1	1
160	2018	4	7.167	321.367	404.511	0	0	0	1	0	0	0	0	0	0	0	1	1
161	2018	5	77.920	78.935	404.401	0	0	0	0	1	0	0	0	0	0	0	1	1
162	2018	6	262.363	1.064	404.292	0	0	0	0	0	1	0	0	0	0	0	1	1
163	2018	7	349.839	0.000	404.180	0	0	0	0	0	0	1	0	0	0	0	1	1
164	2018	8	319.404	0.000	404.059	0	0	0	0	0	0	0	1	0	0	0	1	1
165	2018	9	323.511	0.000	403.934	0	0	0	0	0	0	0	0	1	0	0	1	1
166	2018	10	202.638	20.028	403.801	0	0	0	0	0	0	0	0	0	1	0	1	1
167	2018	11	29.617	193.999	403.666	0	0	0	0	0	0	0	0	0	0	1	1	1
168	2018	12	0.164	447.035	403.530	0	0	0	0	0	0	0	0	0	0	0	1	1
169	2019	1	0.000	455.478	403.392	1	0	0	0	0	0	0	0	0	0	0	1	1
170	2019	2	0.133	607.582	403.259	0	1	0	0	0	0	0	0	0	0	0	1	1
171	2019	3	1.815	456.117	403.128	0	0	1	0	0	0	0	0	0	0	0	1	1
172	2019	4	14.237	226.324	402.992	0	0	0	1	0	0	0	0	0	0	0	1	1
173	2019	5	46.554	52.944	402.862	0	0	0	0	1	0	0	0	0	0	0	1	1
174	2019	6	142.415	6.464	402.736	0	0	0	0	0	1	0	0	0	0	0	1	1
175	2019	7	289.038	0.013	402.616	0	0	0	0	0	0	1	0	0	0	0	1	1
176	2019	8	324.970	0.000	402.499	0	0	0	0	0	0	0	1	0	0	0	1	1
177	2019	9	262.680	0.145	402.391	0	0	0	0	0	0	0	0	1	0	0	1	1
178	2019	10	90.022	19.463	402.285	0	0	0	0	0	0	0	0	0	1	0	1	1
179	2019	11	12.435	145.890	402.183	0	0	0	0	0	0	0	0	0	0	1	1	1
180	2019	12	1.243	376.642	402.084	0	0	0	0	0	0	0	0	0	0	0	1	1
181	2020	1	0.188	564.450	401.988	1	0	0	0	0	0	0	0	0	0	0	1	1
182	2020	2	0.133	607.582	401.892	0	1	0	0	0	0	0	0	0	0	0	1	1
183	2020	3	1.815	456.117	401.799	0	0	1	0	0	0	0	0	0	0	0	1	1
184	2020	4	14.237	226.324	401.708	0	0	0	1	0	0	0	0	0	0	0	1	1
185	2020	5	46.554	52.944	401.614	0	0	0	0	1	0	0	0	0	0	0	1	1
186	2020	6	142.415	6.464	401.520	0	0	0	0	0	1	0	0	0	0	0	1	1
187	2020	7	289.038	0.013	401.424	0	0	0	0	0	0	1	0	0	0	0	1	1
188	2020	8	324.970	0.000	401.325	0	0	0	0	0	0	0	1	0	0	0	1	1
189	2020	9	262.680	0.145	401.223	0	0	0	0	0	0	0	0	1	0	0	1	1
190	2020	10	90.022	19.463	401.123	0	0	0	0	0	0	0	0	0	1	0	1	1
191	2020	11	12.435	145.890	401.022	0	0	0	0	0	0	0	0	0	0	1	1	1
192	2020	12	1.243	376.642	400.923	0	0	0	0	0	0	0	0	0	0	0	1	1
193	2021	1	0.188	564.450	400.821	1	0	0	0	0	0	0	0	0	0	0	1	1
194	2021	2	0.133	607.582	400.727	0	1	0	0	0	0	0	0	0	0	0	1	1
195	2021	3	1.815	456.117	400.633	0	0	1	0	0	0	0	0	0	0	0	1	1
196	2021	4	14.237	226.324	400.539	0	0	0	1	0	0	0	0	0	0	0	1	1
197	2021	5	46.554	52.944	400.449	0	0	0	0	1	0	0	0	0	0	0	1	1
198	2021	6	142.415	6.464	400.360	0	0	0	0	0	1	0	0	0	0	0	1	1
199	2021	7	289.038	0.013	400.277	0	0	0	0	0	0	1	0	0	0	0	1	1
200	2021	8	324.970	0.000	400.197	0	0	0	0	0	0	1	0	0	0	0	1	1

Kentucky Power Company
 Municipal Energy Sales-Vanceburg
 Exogenous Variables

Obs	YEAR	MONTH	bcdd65	bhdd55	N_kpc	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	d16on	mar18on	
201	2021	9	262.680	0.145	400.121	0	0	0	0	0	0	0	0	0	1	0	0	1	1
202	2021	10	90.022	19.463	400.050	0	0	0	0	0	0	0	0	0	0	1	0	1	1
203	2021	11	12.435	145.890	399.980	0	0	0	0	0	0	0	0	0	0	1	1	1	1
204	2021	12	1.243	376.642	399.912	0	0	0	0	0	0	0	0	0	0	0	1	1	1
205	2022	1	0.188	564.450	399.848	1	0	0	0	0	0	0	0	0	0	0	1	1	1
206	2022	2	0.133	607.582	399.787	0	1	0	0	0	0	0	0	0	0	0	1	1	1
207	2022	3	1.815	456.117	399.726	0	0	1	0	0	0	0	0	0	0	0	1	1	1
208	2022	4	14.237	226.324	399.667	0	0	0	1	0	0	0	0	0	0	0	1	1	1
209	2022	5	46.554	52.944	399.608	0	0	0	0	1	0	0	0	0	0	0	1	1	1
210	2022	6	142.415	6.464	399.548	0	0	0	0	0	1	0	0	0	0	0	1	1	1
211	2022	7	289.038	0.013	399.486	0	0	0	0	0	0	1	0	0	0	0	1	1	1
212	2022	8	324.970	0.000	399.428	0	0	0	0	0	0	0	1	0	0	0	1	1	1
213	2022	9	262.680	0.145	399.368	0	0	0	0	0	0	0	0	1	0	0	1	1	1
214	2022	10	90.022	19.463	399.307	0	0	0	0	0	0	0	0	0	1	0	1	1	1
215	2022	11	12.435	145.890	399.249	0	0	0	0	0	0	0	0	0	0	1	1	1	1
216	2022	12	1.243	376.642	399.190	0	0	0	0	0	0	0	0	0	0	0	1	1	1
217	2023	1	0.188	564.450	399.130	1	0	0	0	0	0	0	0	0	0	0	1	1	1
218	2023	2	0.133	607.582	399.074	0	1	0	0	0	0	0	0	0	0	0	1	1	1
219	2023	3	1.815	456.117	399.019	0	0	1	0	0	0	0	0	0	0	0	1	1	1
220	2023	4	14.237	226.324	398.963	0	0	0	1	0	0	0	0	0	0	0	1	1	1
221	2023	5	46.554	52.944	398.908	0	0	0	0	1	0	0	0	0	0	0	1	1	1
222	2023	6	142.415	6.464	398.858	0	0	0	0	0	1	0	0	0	0	0	1	1	1
223	2023	7	289.038	0.013	398.806	0	0	0	0	0	0	1	0	0	0	0	1	1	1
224	2023	8	324.970	0.000	398.753	0	0	0	0	0	0	0	1	0	0	0	1	1	1
225	2023	9	262.680	0.145	398.705	0	0	0	0	0	0	0	0	1	0	0	1	1	1
226	2023	10	90.022	19.463	398.661	0	0	0	0	0	0	0	0	0	1	0	1	1	1
227	2023	11	12.435	145.890	398.614	0	0	0	0	0	0	0	0	0	0	1	1	1	1
228	2023	12	1.243	376.642	398.571	0	0	0	0	0	0	0	0	0	0	0	1	1	1
229	2024	1	0.188	564.450	398.526	1	0	0	0	0	0	0	0	0	0	0	1	1	1
230	2024	2	0.133	607.582	398.481	0	1	0	0	0	0	0	0	0	0	0	1	1	1
231	2024	3	1.815	456.117	398.441	0	0	1	0	0	0	0	0	0	0	0	1	1	1
232	2024	4	14.237	226.324	398.399	0	0	0	1	0	0	0	0	0	0	0	1	1	1
233	2024	5	46.554	52.944	398.356	0	0	0	0	1	0	0	0	0	0	0	1	1	1
234	2024	6	142.415	6.464	398.314	0	0	0	0	0	1	0	0	0	0	0	1	1	1
235	2024	7	289.038	0.013	398.268	0	0	0	0	0	0	1	0	0	0	0	1	1	1
236	2024	8	324.970	0.000	398.228	0	0	0	0	0	0	0	1	0	0	0	1	1	1
237	2024	9	262.680	0.145	398.186	0	0	0	0	0	0	0	0	1	0	0	1	1	1
238	2024	10	90.022	19.463	398.140	0	0	0	0	0	0	0	0	0	1	0	1	1	1
239	2024	11	12.435	145.890	398.098	0	0	0	0	0	0	0	0	0	0	1	1	1	1
240	2024	12	1.243	376.642	398.054	0	0	0	0	0	0	0	0	0	0	0	1	1	1
241	2025	1	0.188	564.450	398.009	1	0	0	0	0	0	0	0	0	0	0	1	1	1
242	2025	2	0.133	607.582	397.967	0	1	0	0	0	0	0	0	0	0	0	1	1	1
243	2025	3	1.815	456.117	397.924	0	0	1	0	0	0	0	0	0	0	0	1	1	1
244	2025	4	14.237	226.324	397.881	0	0	0	1	0	0	0	0	0	0	0	1	1	1
245	2025	5	46.554	52.944	397.837	0	0	0	0	1	0	0	0	0	0	0	1	1	1
246	2025	6	142.415	6.464	397.795	0	0	0	0	0	1	0	0	0	0	0	1	1	1
247	2025	7	289.038	0.013	397.750	0	0	0	0	0	0	1	0	0	0	0	1	1	1
248	2025	8	324.970	0.000	397.708	0	0	0	0	0	0	0	1	0	0	0	1	1	1
249	2025	9	262.680	0.145	397.665	0	0	0	0	0	0	0	0	1	0	0	1	1	1
250	2025	10	90.022	19.463	397.622	0	0	0	0	0	0	0	0	0	1	0	1	1	1

Kentucky Power Company
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 Exogenous Variables

Obs	YEAR	MONTH	bcdd65	bhdd55	N_kpc	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	d16on	mar18on
401	2038	5	46.554	52.944	392.837	0	0	0	0	1	0	0	0	0	0	0	1	1
402	2038	6	142.415	6.464	392.809	0	0	0	0	0	1	0	0	0	0	0	1	1
403	2038	7	289.038	0.013	392.788	0	0	0	0	0	0	1	0	0	0	0	1	1
404	2038	8	324.970	0.000	392.760	0	0	0	0	0	0	0	1	0	0	0	1	1
405	2038	9	262.680	0.145	392.737	0	0	0	0	0	0	0	0	1	0	0	1	1
406	2038	10	90.022	19.463	392.710	0	0	0	0	0	0	0	0	0	1	0	1	1
407	2038	11	12.435	145.890	392.686	0	0	0	0	0	0	0	0	0	0	1	1	1
408	2038	12	1.243	376.642	392.661	0	0	0	0	0	0	0	0	0	0	0	1	1
409	2039	1	0.188	564.450	392.636	1	0	0	0	0	0	0	0	0	0	0	1	1
410	2039	2	0.133	607.582	392.610	0	1	0	0	0	0	0	0	0	0	0	1	1
411	2039	3	1.815	456.117	392.587	0	0	1	0	0	0	0	0	0	0	0	1	1
412	2039	4	14.237	226.324	392.561	0	0	0	1	0	0	0	0	0	0	0	1	1
413	2039	5	46.554	52.944	392.535	0	0	0	0	1	0	0	0	0	0	0	1	1
414	2039	6	142.415	6.464	392.509	0	0	0	0	0	1	0	0	0	0	0	1	1
415	2039	7	289.038	0.013	392.482	0	0	0	0	0	0	1	0	0	0	0	1	1
416	2039	8	324.970	0.000	392.453	0	0	0	0	0	0	0	1	0	0	0	1	1
417	2039	9	262.680	0.145	392.428	0	0	0	0	0	0	0	0	1	0	0	1	1
418	2039	10	90.022	19.463	392.401	0	0	0	0	0	0	0	0	0	1	0	1	1
419	2039	11	12.435	145.890	392.373	0	0	0	0	0	0	0	0	0	0	1	1	1
420	2039	12	1.243	376.642	392.349	0	0	0	0	0	0	0	0	0	0	0	1	1
421	2040	1	0.188	564.450	392.317	1	0	0	0	0	0	0	0	0	0	0	1	1
422	2040	2	0.133	607.582	392.291	0	1	0	0	0	0	0	0	0	0	0	1	1
423	2040	3	1.815	456.117	392.263	0	0	1	0	0	0	0	0	0	0	0	1	1
424	2040	4	14.237	226.324	392.235	0	0	0	1	0	0	0	0	0	0	0	1	1
425	2040	5	46.554	52.944	392.207	0	0	0	0	1	0	0	0	0	0	0	1	1
426	2040	6	142.415	6.464	392.178	0	0	0	0	0	1	0	0	0	0	0	1	1
427	2040	7	289.038	0.013	392.151	0	0	0	0	0	0	1	0	0	0	0	1	1
428	2040	8	324.970	0.000	392.124	0	0	0	0	0	0	0	1	0	0	0	1	1
429	2040	9	262.680	0.145	392.093	0	0	0	0	0	0	0	0	1	0	0	1	1
430	2040	10	90.022	19.463	392.064	0	0	0	0	0	0	0	0	0	1	0	1	1
431	2040	11	12.435	145.890	392.036	0	0	0	0	0	0	0	0	0	0	1	1	1
432	2040	12	1.243	376.642	392.007	0	0	0	0	0	0	0	0	0	0	0	1	1
433	2041	1	0.188	564.450	391.979	1	0	0	0	0	0	0	0	0	0	0	1	1
434	2041	2	0.133	607.582	391.950	0	1	0	0	0	0	0	0	0	0	0	1	1
435	2041	3	1.815	456.117	391.923	0	0	1	0	0	0	0	0	0	0	0	1	1
436	2041	4	14.237	226.324	391.891	0	0	0	1	0	0	0	0	0	0	0	1	1
437	2041	5	46.554	52.944	391.863	0	0	0	0	1	0	0	0	0	0	0	1	1
438	2041	6	142.415	6.464	391.835	0	0	0	0	0	1	0	0	0	0	0	1	1
439	2041	7	289.038	0.013	391.803	0	0	0	0	0	0	1	0	0	0	0	1	1
440	2041	8	324.970	0.000	391.774	0	0	0	0	0	0	0	1	0	0	0	1	1
441	2041	9	262.680	0.145	391.744	0	0	0	0	0	0	0	0	1	0	0	1	1
442	2041	10	90.022	19.463	391.712	0	0	0	0	0	0	0	0	0	1	0	1	1
443	2041	11	12.435	145.890	391.681	0	0	0	0	0	0	0	0	0	0	1	1	1
444	2041	12	1.243	376.642	391.651	0	0	0	0	0	0	0	0	0	0	0	1	1
445	2042	1	0.188	564.450	391.620	1	0	0	0	0	0	0	0	0	0	0	1	1
446	2042	2	0.133	607.582	391.590	0	1	0	0	0	0	0	0	0	0	0	1	1
447	2042	3	1.815	456.117	391.559	0	0	1	0	0	0	0	0	0	0	0	1	1
448	2042	4	14.237	226.324	391.526	0	0	0	1	0	0	0	0	0	0	0	1	1
449	2042	5	46.554	52.944	391.494	0	0	0	0	1	0	0	0	0	0	0	1	1
450	2042	6	142.415	6.464	391.463	0	0	0	0	0	1	0	0	0	0	0	1	1

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Obs	YEAR	MONTH	bcdd65	bhdd55	N_kpc	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	d16on	mar18on
451	2042	7	289.038	0.013	391.433	0	0	0	0	0	0	1	0	0	0	0	1	1
452	2042	8	324.970	0.000	391.399	0	0	0	0	0	0	0	1	0	0	0	1	1
453	2042	9	262.680	0.145	391.364	0	0	0	0	0	0	0	0	1	0	0	1	1
454	2042	10	90.022	19.463	391.331	0	0	0	0	0	0	0	0	0	1	0	1	1
455	2042	11	12.435	145.890	391.298	0	0	0	0	0	0	0	0	0	0	1	1	1
456	2042	12	1.243	376.642	391.266	0	0	0	0	0	0	0	0	0	0	0	1	1
457	2043	1	0.188	564.450	391.231	1	0	0	0	0	0	0	0	0	0	0	1	1
458	2043	2	0.133	607.582	391.197	0	1	0	0	0	0	0	0	0	0	0	1	1
459	2043	3	1.815	456.117	391.164	0	0	1	0	0	0	0	0	0	0	0	1	1
460	2043	4	14.237	226.324	391.131	0	0	0	1	0	0	0	0	0	0	0	1	1
461	2043	5	46.554	52.944	391.094	0	0	0	0	1	0	0	0	0	0	0	1	1
462	2043	6	142.415	6.464	391.061	0	0	0	0	0	1	0	0	0	0	0	1	1
463	2043	7	289.038	0.013	391.028	0	0	0	0	0	0	1	0	0	0	0	1	1
464	2043	8	324.970	0.000	390.991	0	0	0	0	0	0	0	1	0	0	0	1	1
465	2043	9	262.680	0.145	390.955	0	0	0	0	0	0	0	0	1	0	0	1	1
466	2043	10	90.022	19.463	390.921	0	0	0	0	0	0	0	0	0	1	0	1	1
467	2043	11	12.435	145.890	390.885	0	0	0	0	0	0	0	0	0	0	1	1	1
468	2043	12	1.243	376.642	390.849	0	0	0	0	0	0	0	0	0	0	0	1	1
469	2044	1	0.188	564.450	390.814	1	0	0	0	0	0	0	0	0	0	0	1	1
470	2044	2	0.133	607.582	390.779	0	1	0	0	0	0	0	0	0	0	0	1	1
471	2044	3	1.815	456.117	390.742	0	0	1	0	0	0	0	0	0	0	0	1	1
472	2044	4	14.237	226.324	390.707	0	0	0	1	0	0	0	0	0	0	0	1	1
473	2044	5	46.554	52.944	390.669	0	0	0	0	1	0	0	0	0	0	0	1	1
474	2044	6	142.415	6.464	390.633	0	0	0	0	0	1	0	0	0	0	0	1	1
475	2044	7	289.038	0.013	390.597	0	0	0	0	0	0	1	0	0	0	0	1	1
476	2044	8	324.970	0.000	390.558	0	0	0	0	0	0	0	1	0	0	0	1	1
477	2044	9	262.680	0.145	390.522	0	0	0	0	0	0	0	0	1	0	0	1	1
478	2044	10	90.022	19.463	390.485	0	0	0	0	0	0	0	0	0	1	0	1	1
479	2044	11	12.435	145.890	390.447	0	0	0	0	0	0	0	0	0	0	1	1	1
480	2044	12	1.243	376.642	390.408	0	0	0	0	0	0	0	0	0	0	0	1	1
481	2045	1	0.188	564.450	390.371	1	0	0	0	0	0	0	0	0	0	0	1	1
482	2045	2	0.133	607.582	390.333	0	1	0	0	0	0	0	0	0	0	0	1	1
483	2045	3	1.815	456.117	390.294	0	0	1	0	0	0	0	0	0	0	0	1	1
484	2045	4	14.237	226.324	390.255	0	0	0	1	0	0	0	0	0	0	0	1	1
485	2045	5	46.554	52.944	390.217	0	0	0	0	1	0	0	0	0	0	0	1	1
486	2045	6	142.415	6.464	390.177	0	0	0	0	0	1	0	0	0	0	0	1	1
487	2045	7	289.038	0.013	390.136	0	0	0	0	0	0	1	0	0	0	0	1	1
488	2045	8	324.970	0.000	390.096	0	0	0	0	0	0	0	1	0	0	0	1	1
489	2045	9	262.680	0.145	390.053	0	0	0	0	0	0	0	0	1	0	0	1	1
490	2045	10	90.022	19.463	390.014	0	0	0	0	0	0	0	0	0	1	0	1	1
491	2045	11	12.435	145.890	389.972	0	0	0	0	0	0	0	0	0	0	1	1	1
492	2045	12	1.243	376.642	389.931	0	0	0	0	0	0	0	0	0	0	0	1	1
493	2046	1	0.188	564.450	389.886	1	0	0	0	0	0	0	0	0	0	0	1	1
494	2046	2	0.133	607.582	389.845	0	1	0	0	0	0	0	0	0	0	0	1	1
495	2046	3	1.815	456.117	389.807	0	0	1	0	0	0	0	0	0	0	0	1	1
496	2046	4	14.237	226.324	389.764	0	0	0	1	0	0	0	0	0	0	0	1	1
497	2046	5	46.554	52.944	389.721	0	0	0	0	1	0	0	0	0	0	0	1	1
498	2046	6	142.415	6.464	389.681	0	0	0	0	0	1	0	0	0	0	0	1	1
499	2046	7	289.038	0.013	389.638	0	0	0	0	0	0	1	0	0	0	0	1	1
500	2046	8	324.970	0.000	389.594	0	0	0	0	0	0	1	0	0	0	1	1	1

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Obs	YEAR	MONTH	bcdd65	bhdd55	N_kpc	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	d16on	mar18on	
501	2046	9	262.680	0.145	389.552	0	0	0	0	0	0	0	0	0	1	0	0	1	1
502	2046	10	90.022	19.463	389.512	0	0	0	0	0	0	0	0	0	0	1	0	1	1
503	2046	11	12.435	145.890	389.467	0	0	0	0	0	0	0	0	0	0	1	1	1	1
504	2046	12	1.243	376.642	389.426	0	0	0	0	0	0	0	0	0	0	0	1	1	1
505	2047	1	0.188	564.450	389.385	1	0	0	0	0	0	0	0	0	0	0	1	1	1
506	2047	2	0.133	607.582	389.343	0	1	0	0	0	0	0	0	0	0	0	1	1	1
507	2047	3	1.815	456.117	389.302	0	0	1	0	0	0	0	0	0	0	0	1	1	1
508	2047	4	14.237	226.324	389.264	0	0	0	1	0	0	0	0	0	0	0	1	1	1
509	2047	5	46.554	52.944	389.219	0	0	0	0	1	0	0	0	0	0	0	1	1	1
510	2047	6	142.415	6.464	389.181	0	0	0	0	0	1	0	0	0	0	0	1	1	1
511	2047	7	289.038	0.013	389.138	0	0	0	0	0	0	1	0	0	0	0	1	1	1
512	2047	8	324.970	0.000	389.100	0	0	0	0	0	0	0	1	0	0	0	1	1	1
513	2047	9	262.680	0.145	389.054	0	0	0	0	0	0	0	0	1	0	0	1	1	1
514	2047	10	90.022	19.463	389.014	0	0	0	0	0	0	0	0	0	1	0	1	1	1
515	2047	11	12.435	145.890	388.975	0	0	0	0	0	0	0	0	0	0	1	1	1	1
516	2047	12	1.243	376.642	388.933	0	0	0	0	0	0	0	0	0	0	0	1	1	1
517	2048	1	0.188	564.450	388.891	1	0	0	0	0	0	0	0	0	0	0	1	1	1
518	2048	2	0.133	607.582	388.850	0	1	0	0	0	0	0	0	0	0	0	1	1	1
519	2048	3	1.815	456.117	388.814	0	0	1	0	0	0	0	0	0	0	0	1	1	1
520	2048	4	14.237	226.324	388.771	0	0	0	1	0	0	0	0	0	0	0	1	1	1
521	2048	5	46.554	52.944	388.732	0	0	0	0	1	0	0	0	0	0	0	1	1	1
522	2048	6	142.415	6.464	388.688	0	0	0	0	0	1	0	0	0	0	0	1	1	1
523	2048	7	289.038	0.013	388.649	0	0	0	0	0	0	1	0	0	0	0	1	1	1
524	2048	8	324.970	0.000	388.609	0	0	0	0	0	0	0	1	0	0	0	1	1	1
525	2048	9	262.680	0.145	388.569	0	0	0	0	0	0	0	0	1	0	0	1	1	1
526	2048	10	90.022	19.463	388.529	0	0	0	0	0	0	0	0	0	1	0	1	1	1
527	2048	11	12.435	145.890	388.487	0	0	0	0	0	0	0	0	0	0	1	1	1	1
528	2048	12	1.243	376.642	388.446	0	0	0	0	0	0	0	0	0	0	0	1	1	1
529	2049	1	0.188	564.450	388.399	1	0	0	0	0	0	0	0	0	0	0	1	1	1
530	2049	2	0.133	607.582	388.359	0	1	0	0	0	0	0	0	0	0	0	1	1	1
531	2049	3	1.815	456.117	388.328	0	0	1	0	0	0	0	0	0	0	0	1	1	1
532	2049	4	14.237	226.324	388.280	0	0	0	1	0	0	0	0	0	0	0	1	1	1
533	2049	5	46.554	52.944	388.247	0	0	0	0	1	0	0	0	0	0	0	1	1	1
534	2049	6	142.415	6.464	388.197	0	0	0	0	0	1	0	0	0	0	0	1	1	1
535	2049	7	289.038	0.013	388.162	0	0	0	0	0	0	1	0	0	0	0	1	1	1
536	2049	8	324.970	0.000	388.120	0	0	0	0	0	0	0	1	0	0	0	1	1	1
537	2049	9	262.680	0.145	388.086	0	0	0	0	0	0	0	0	1	0	0	1	1	1
538	2049	10	90.022	19.463	388.046	0	0	0	0	0	0	0	0	0	1	0	1	1	1
539	2049	11	12.435	145.890	388.001	0	0	0	0	0	0	0	0	0	0	1	1	1	1
540	2049	12	1.243	376.642	387.961	0	0	0	0	0	0	0	0	0	0	0	1	1	1
541	2050	1	0.188	564.450	387.909	1	0	0	0	0	0	0	0	0	0	0	1	1	1
542	2050	2	0.133	607.582	387.870	0	1	0	0	0	0	0	0	0	0	0	1	1	1
543	2050	3	1.815	456.117	387.844	0	0	1	0	0	0	0	0	0	0	0	1	1	1
544	2050	4	14.237	226.324	387.791	0	0	0	1	0	0	0	0	0	0	0	1	1	1
545	2050	5	46.554	52.944	387.764	0	0	0	0	1	0	0	0	0	0	0	1	1	1
546	2050	6	142.415	6.464	387.708	0	0	0	0	0	1	0	0	0	0	0	1	1	1
547	2050	7	289.038	0.013	387.677	0	0	0	0	0	0	1	0	0	0	0	1	1	1
548	2050	8	324.970	0.000	387.633	0	0	0	0	0	0	1	0	0	0	0	1	1	1
549	2050	9	262.680	0.145	387.604	0	0	0	0	0	0	0	1	0	0	0	1	1	1
550	2050	10	90.022	19.463	387.564	0	0	0	0	0	0	0	0	0	1	0	1	1	1

Kentucky Power Company
 Municipal Energy Sales-Vanceburg
 Model Estimation

The SYSLIN Procedure
 Ordinary Least Squares Estimation

Model KWH
 Dependent Variable KWH
 Label Energy (kWh)

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	16	1.091E14	6.822E12	44.15	<.0001
Error	152	2.349E13	1.545E11		
Corrected Total	168	1.326E14			

Root MSE 393089.579 R-Square 0.82292
 Dependent Mean 5625019.59 Adj R-Sq 0.80428
 Coeff Var 6.98823

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variable Label
Intercept	1	-2780233	2783267	-1.00	0.3194	Intercept
N_kpc	1	19941.84	6449.678	3.09	0.0024	Service Area Population
bhdd55	1	2254.209	444.4126	5.07	<.0001	Heating Degree Days (Base 55)
bcdd65	1	1591.646	880.6600	1.81	0.0727	Cooling Degree Days (Base 65)
d16on	1	-436285	153953.9	-2.83	0.0052	Binary Variable-2016 On
mar18on	1	190756.5	148254.8	1.29	0.2002	Binary Variable-March 2018 On
d1	1	221493.3	161693.5	1.37	0.1728	Binary Variable-January
d2	1	-804867	182328.5	-4.41	<.0001	Binary Variable-February
d3	1	-867362	154208.2	-5.62	<.0001	Binary Variable-March
d4	1	-1366572	168152.9	-8.13	<.0001	Binary Variable-April
d5	1	-956515	216617.7	-4.42	<.0001	Binary Variable-May
d6	1	-481745	265769.9	-1.81	0.0719	Binary Variable-June
d7	1	-278749	343565.4	-0.81	0.4184	Binary Variable-July

Kentucky Power Company
 Municipal Energy Sales-Vanceburg
 Model Estimation

The SYSLIN Procedure
 Ordinary Least Squares Estimation

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variable Label
d8	1	-57296.0	369965.4	-0.15	0.8771	Binary Variable-August
d9	1	-1111211	329603.4	-3.37	0.0009	Binary Variable-September
d10	1	-944821	242171.9	-3.90	0.0001	Binary Variable-October
d11	1	-506361	183903.9	-2.75	0.0066	Binary Variable-November

Durbin-Watson 2.145426
 Number of Observations 169
 First-Order Autocorrelation -0.07698

Kentucky Power Company
 Municipal Energy Sales-Vanceburg
 Model Estimation

time		Residual Values Sum
2005.000000	*****	-447228
2005.0833333	*****	-445068
2005.1666667	***	225430
2005.2500000	*****	-359955
2005.3333333	*****	-397534
2005.4166667	**	-162286
2005.5000000	**	139993
2005.5833333	****	-284680
2005.6666667	***	-192761
2005.7500000	**	-168769
2005.8333333	**	-123381
2005.9166667	*****	625698
2006.0000000	*****	-787244
2006.0833333	****	320209
2006.1666667	*	89385
2006.2500000	*****	-403498
2006.3333333		22865
2006.4166667	**	-137734
2006.5000000	*****	371567
2006.5833333	**	131503
2006.6666667	**	-126670
2006.7500000	*****	548154
2006.8333333	**	124640
2006.9166667	***	206930
2007.0000000	****	-282285
2007.0833333	*****	551968
2007.1666667	****	-271285
2007.2500000	*****	521655
2007.3333333	****	279553
2007.4166667	**	144958
2007.5000000		1837
2007.5833333	*****	436396
2007.6666667	*	-110056
2007.7500000	*****	-368240
2007.8333333	**	-168363
2007.9166667	***	216437
2008.0000000	*****	693837
2008.0833333	*****	651186
2008.1666667	*****	458151
2008.2500000	*	62041
2008.3333333	*	-61364
2008.4166667	*	92912
2008.5000000	****	272293
2008.5833333	*****	-364970
2008.6666667	**	-135126
2008.7500000	*	68280
2008.8333333	**	166793
2008.9166667	*****	-373496
2009.0000000	****	278206

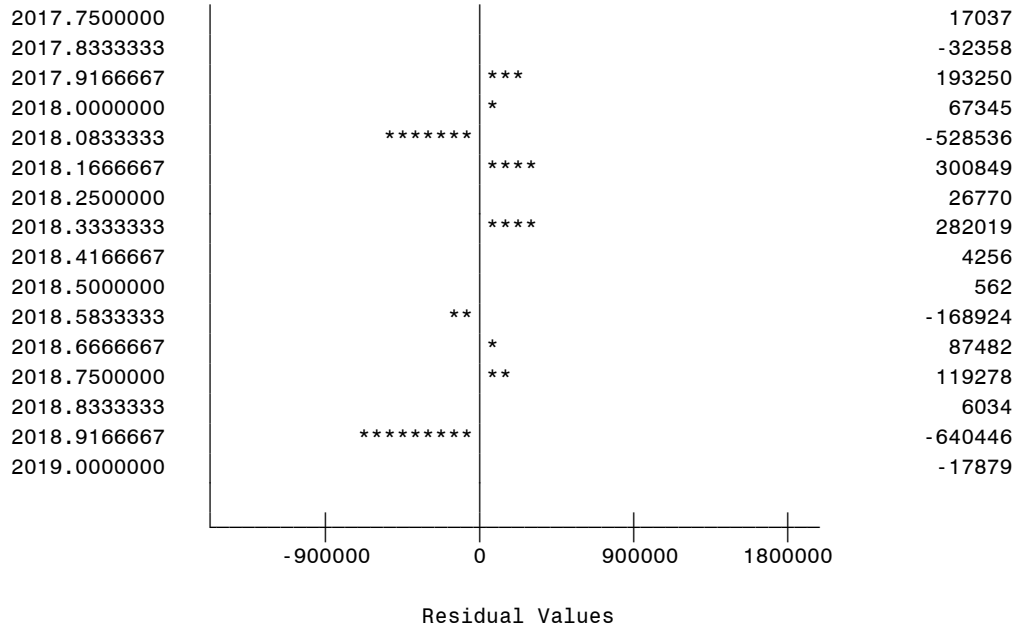
Kentucky Power Company
 Municipal Energy Sales-Vanceburg
 Model Estimation

2009.0833333	*****	-695404
2009.1666667	*****	-614772
2009.2500000	***	-203326
2009.3333333	*****	-525270
2009.4166667	****	-288127
2009.5000000	*****	-576885
2009.5833333	*****	-365468
2009.6666667	***	-192991
2009.7500000	*	-52092
2009.8333333	*****	-410442
2009.9166667	**	170542
2010.0000000	*	-48650
2010.0833333	**	156293
2010.1666667	*****	-435381
2010.2500000	*	60848
2010.3333333	***	197853
2010.4166667	****	335313
2010.5000000	*****	538193
2010.5833333	**	125723
2010.6666667	**	115582
2010.7500000		31874
2010.8333333	***	205516
2010.9166667	*****	871512
2011.0000000		16858
2011.0833333	****	-304604
2011.1666667	*****	346027
2011.2500000		-36619
2011.3333333	*****	-934067
2011.4166667	**	-162099
2011.5000000	*****	397532
2011.5833333	*****	-621103
2011.6666667	*****	-430069
2011.7500000	**	-167706
2011.8333333	****	-376495
2011.9166667	*	-107437
2012.0000000	****	-285312
2012.0833333	*	78144
2012.1666667	*****	-353550
2012.2500000	*****	347970
2012.3333333	*****	479019
2012.4166667	*	81330
2012.5000000	*****	-1530323
2012.5833333	*****	1913724
2012.6666667	**	150789
2012.7500000	**	134394
2012.8333333	****	296625
2012.9166667	*	51099
2013.0000000		15749
2013.0833333	**	124455
2013.1666667	*****	579620
2013.2500000	*	-72653
2013.3333333	**	131538

Kentucky Power Company
 Municipal Energy Sales-Vanceburg
 Model Estimation

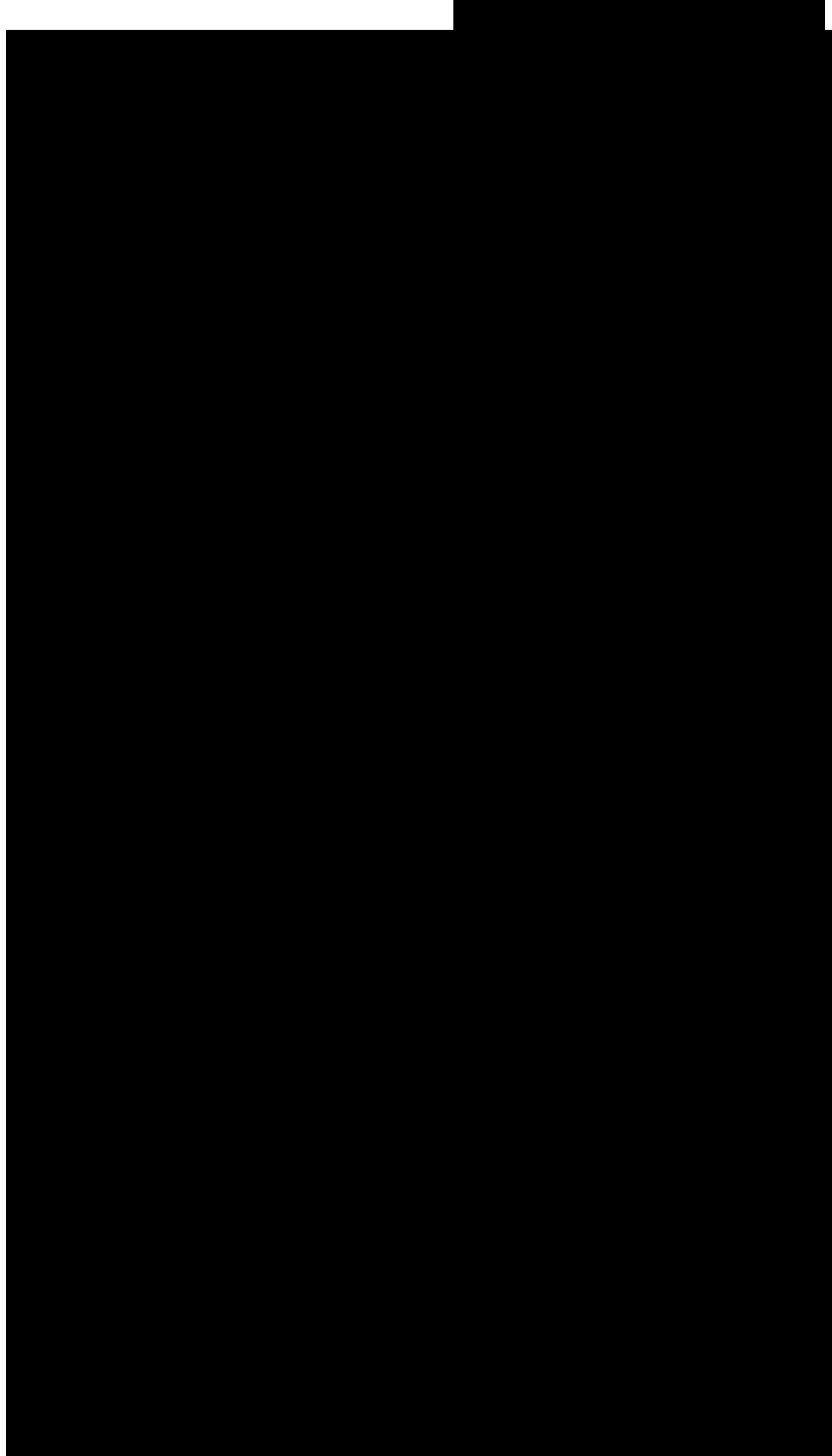
2013.4166667			2714
2013.5000000		*	39191
2013.5833333	****		-281559
2013.6666667			6530
2013.7500000		*	69972
2013.8333333		**	182866
2013.9166667	***		-213696
2014.0000000		*****	664125
2014.0833333			22347
2014.1666667		****	274139
2014.2500000		*	-107309
2014.3333333		***	211414
2014.4166667		**	133029
2014.5000000			-28077
2014.5833333			-11983
2014.6666667		***	221454
2014.7500000		**	149218
2014.8333333		*****	533761
2014.9166667	****		-284151
2015.0000000		***	212873
2015.0833333		*****	479906
2015.1666667	*****		-763057
2015.2500000	***		-202454
2015.3333333		*	89021
2015.4166667		*	-53921
2015.5000000			22581
2015.5833333	****		-320981
2015.6666667		****	272617
2015.7500000		*	-40529
2015.8333333	****		-326766
2015.9166667	*****		-647434
2016.0000000		*****	550783
2016.0833333			-23348
2016.1666667	**		-179909
2016.2500000		****	326825
2016.3333333		*	96950
2016.4166667			3158
2016.5000000		****	266595
2016.5833333		**	147016
2016.6666667		***	202544
2016.7500000	*****		-340870
2016.8333333		*	-78430
2016.9166667		*	-68809
2017.0000000	*****		-631177
2017.0833333	****		-387549
2017.1666667		*****	344354
2017.2500000		*	39707
2017.3333333		**	128004
2017.4166667			6496
2017.5000000		*	84942
2017.5833333	****		-334694
2017.6666667		**	130675

Kentucky Power Company
 Municipal Energy Sales-Vanceburg
 Model Estimation



Kentucky Power Company
Municipal Energy Sales-Vanceburg
Actual and Forecast

Year	Energy Sales	Growth Rate
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Kentucky Power Company
Municipal Energy Sales-Vanceburg
Actual and Forecast

Year	Energy Sales	Growth Rate
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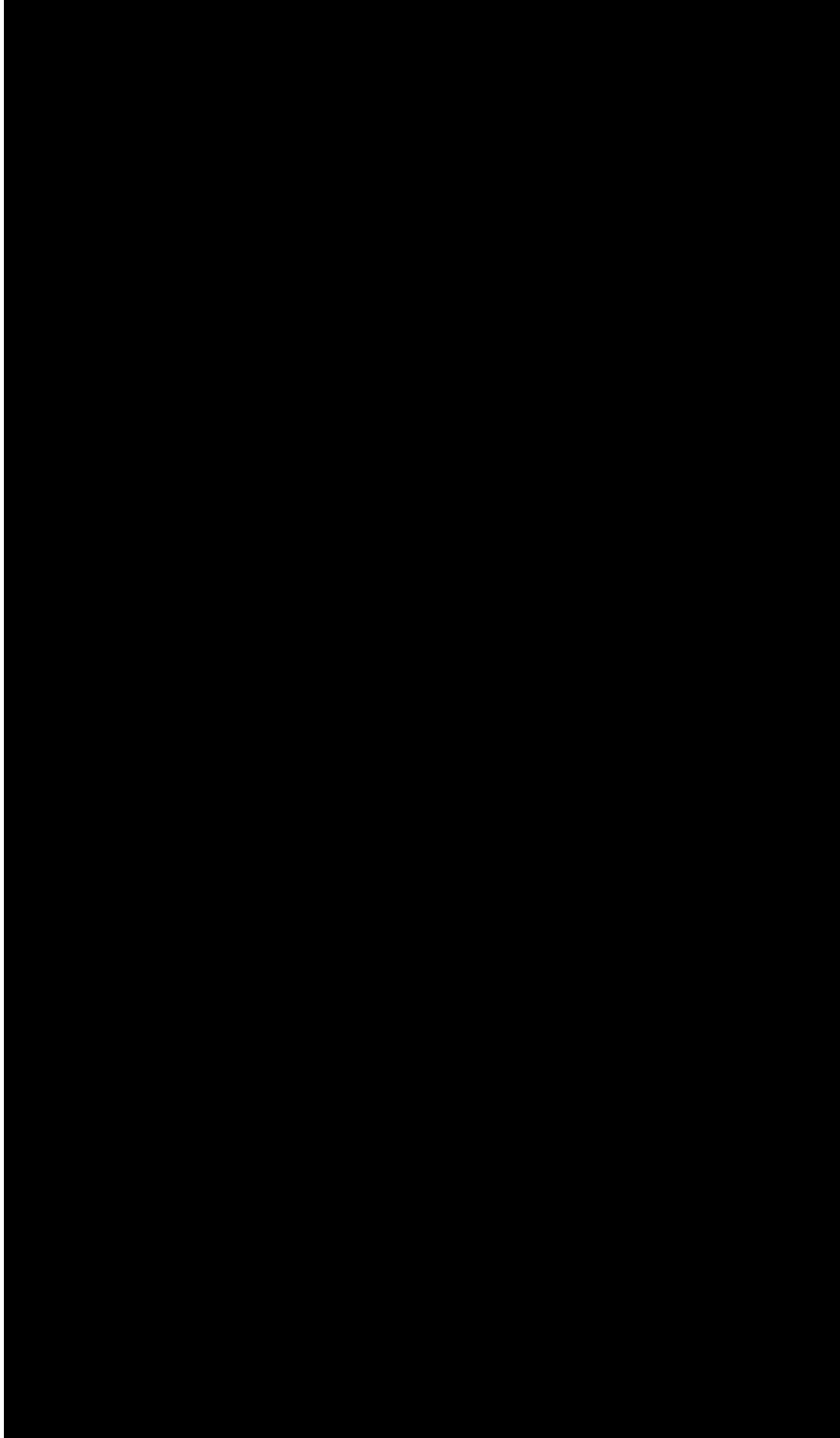
Kentucky Power Company
Municipal Energy Sales-Olive Hill
Endogenous Variable

The MEANS Procedure

Variable	Label	Mean
YEAR	YEAR	2027.00
MONTH	MONTH	6.5000000
kwh	Energy (kWh)	

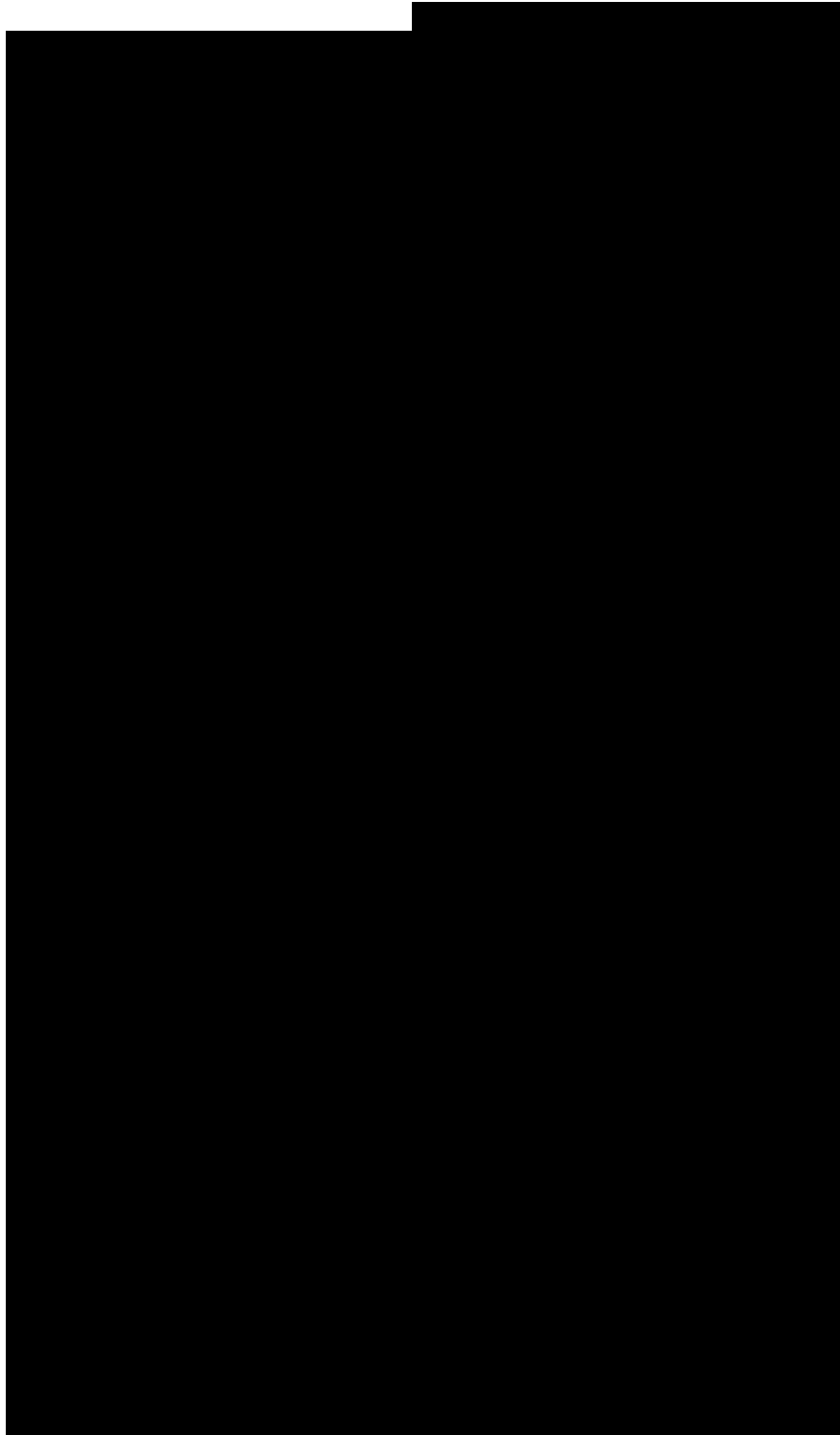
Kentucky Power Company
Municipal Energy Sales-Olive Hill
Endogenous Variable

Obs YEAR MONTH kwh



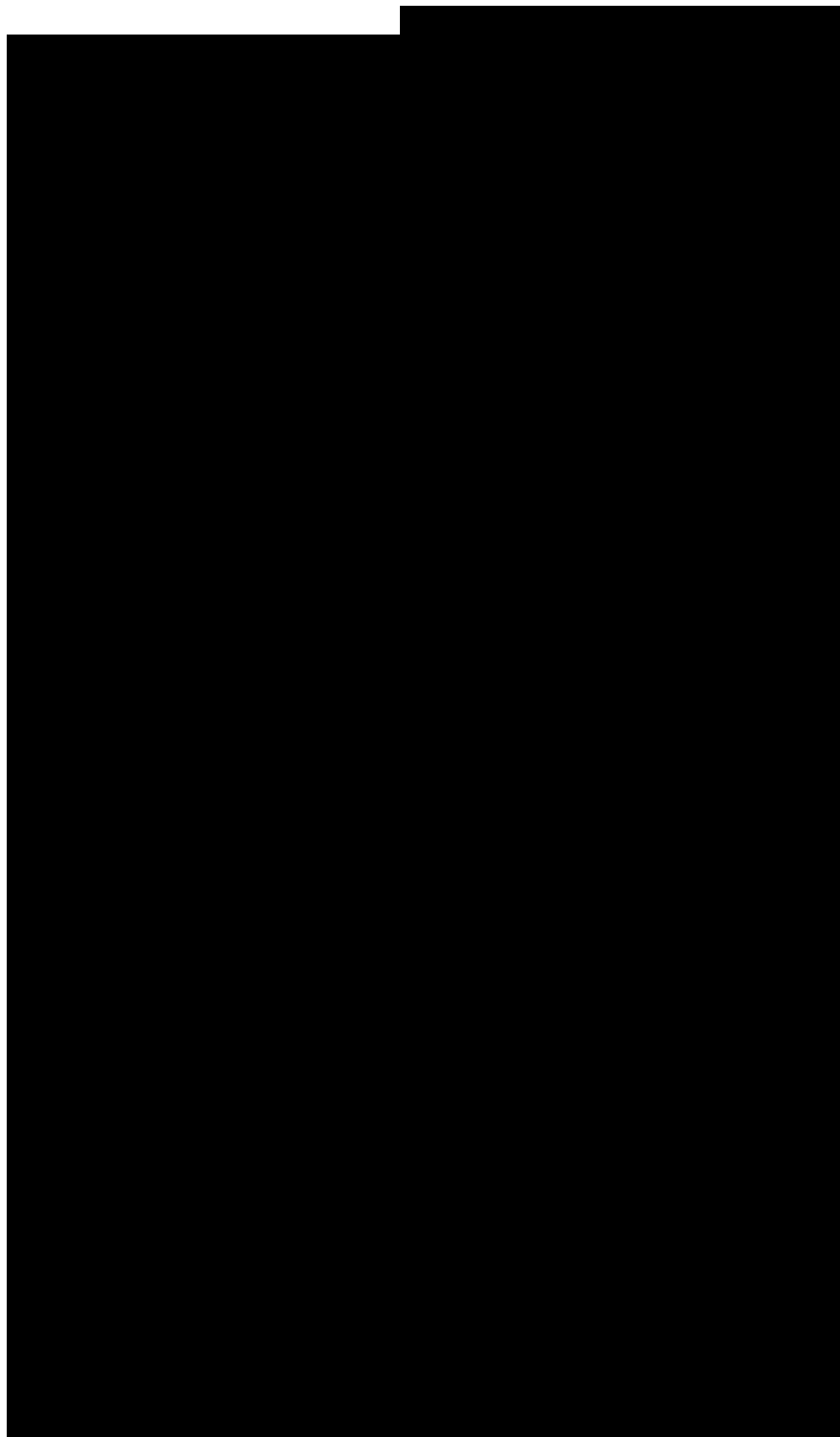
Kentucky Power Company
Municipal Energy Sales-Olive Hill
Endogenous Variable

Obs YEAR MONTH kwh



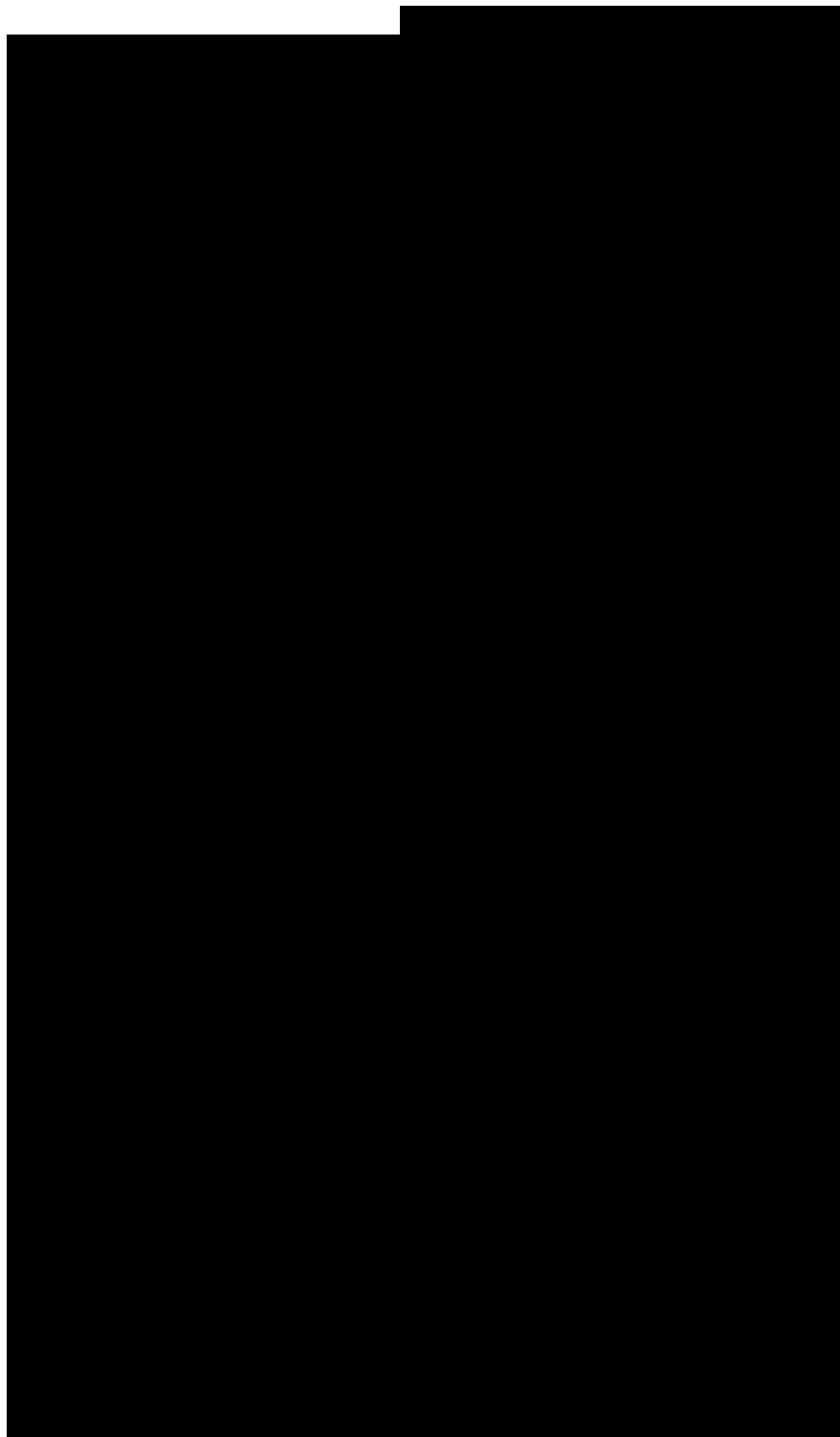
Kentucky Power Company
Municipal Energy Sales-Olive Hill
Endogenous Variable

Obs YEAR MONTH kwh



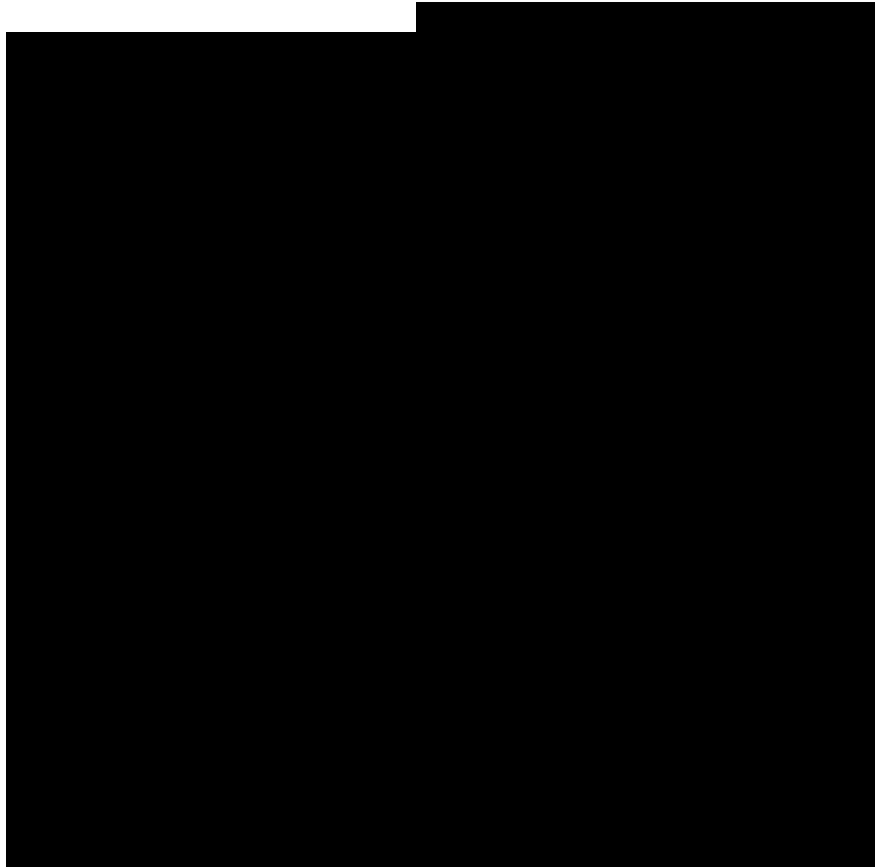
Kentucky Power Company
Municipal Energy Sales-Olive Hill
Endogenous Variable

Obs YEAR MONTH kwh



Kentucky Power Company
Municipal Energy Sales-Olive Hill
Endogenous Variable

Obs YEAR MONTH kwh



230	2019	2	.
231	2019	3	.
232	2019	4	.
233	2019	5	.
234	2019	6	.
235	2019	7	.
236	2019	8	.
237	2019	9	.
238	2019	10	.
239	2019	11	.
240	2019	12	.
241	2020	1	.
242	2020	2	.
243	2020	3	.
244	2020	4	.
245	2020	5	.
246	2020	6	.
247	2020	7	.
248	2020	8	.
249	2020	9	.
250	2020	10	.

Kentucky Power Company
 Municipal Energy Sales-Olive Hill
 Endogenous Variable

Obs	YEAR	MONTH	kwh
251	2020	11	.
252	2020	12	.
253	2021	1	.
254	2021	2	.
255	2021	3	.
256	2021	4	.
257	2021	5	.
258	2021	6	.
259	2021	7	.
260	2021	8	.
261	2021	9	.
262	2021	10	.
263	2021	11	.
264	2021	12	.
265	2022	1	.
266	2022	2	.
267	2022	3	.
268	2022	4	.
269	2022	5	.
270	2022	6	.
271	2022	7	.
272	2022	8	.
273	2022	9	.
274	2022	10	.
275	2022	11	.
276	2022	12	.
277	2023	1	.
278	2023	2	.
279	2023	3	.
280	2023	4	.
281	2023	5	.
282	2023	6	.
283	2023	7	.
284	2023	8	.
285	2023	9	.
286	2023	10	.
287	2023	11	.
288	2023	12	.
289	2024	1	.
290	2024	2	.
291	2024	3	.
292	2024	4	.
293	2024	5	.
294	2024	6	.
295	2024	7	.
296	2024	8	.
297	2024	9	.
298	2024	10	.
299	2024	11	.
300	2024	12	.

Kentucky Power Company
 Municipal Energy Sales-Olive Hill
 Endogenous Variable

Obs	YEAR	MONTH	kwh
301	2025	1	.
302	2025	2	.
303	2025	3	.
304	2025	4	.
305	2025	5	.
306	2025	6	.
307	2025	7	.
308	2025	8	.
309	2025	9	.
310	2025	10	.
311	2025	11	.
312	2025	12	.
313	2026	1	.
314	2026	2	.
315	2026	3	.
316	2026	4	.
317	2026	5	.
318	2026	6	.
319	2026	7	.
320	2026	8	.
321	2026	9	.
322	2026	10	.
323	2026	11	.
324	2026	12	.
325	2027	1	.
326	2027	2	.
327	2027	3	.
328	2027	4	.
329	2027	5	.
330	2027	6	.
331	2027	7	.
332	2027	8	.
333	2027	9	.
334	2027	10	.
335	2027	11	.
336	2027	12	.
337	2028	1	.
338	2028	2	.
339	2028	3	.
340	2028	4	.
341	2028	5	.
342	2028	6	.
343	2028	7	.
344	2028	8	.
345	2028	9	.
346	2028	10	.
347	2028	11	.
348	2028	12	.
349	2029	1	.
350	2029	2	.

Kentucky Power Company
 Municipal Energy Sales-Olive Hill
 Endogenous Variable

Obs	YEAR	MONTH	kwh
351	2029	3	.
352	2029	4	.
353	2029	5	.
354	2029	6	.
355	2029	7	.
356	2029	8	.
357	2029	9	.
358	2029	10	.
359	2029	11	.
360	2029	12	.
361	2030	1	.
362	2030	2	.
363	2030	3	.
364	2030	4	.
365	2030	5	.
366	2030	6	.
367	2030	7	.
368	2030	8	.
369	2030	9	.
370	2030	10	.
371	2030	11	.
372	2030	12	.
373	2031	1	.
374	2031	2	.
375	2031	3	.
376	2031	4	.
377	2031	5	.
378	2031	6	.
379	2031	7	.
380	2031	8	.
381	2031	9	.
382	2031	10	.
383	2031	11	.
384	2031	12	.
385	2032	1	.
386	2032	2	.
387	2032	3	.
388	2032	4	.
389	2032	5	.
390	2032	6	.
391	2032	7	.
392	2032	8	.
393	2032	9	.
394	2032	10	.
395	2032	11	.
396	2032	12	.
397	2033	1	.
398	2033	2	.
399	2033	3	.
400	2033	4	.

Kentucky Power Company
 Municipal Energy Sales-Olive Hill
 Endogenous Variable

Obs	YEAR	MONTH	kwh
401	2033	5	.
402	2033	6	.
403	2033	7	.
404	2033	8	.
405	2033	9	.
406	2033	10	.
407	2033	11	.
408	2033	12	.
409	2034	1	.
410	2034	2	.
411	2034	3	.
412	2034	4	.
413	2034	5	.
414	2034	6	.
415	2034	7	.
416	2034	8	.
417	2034	9	.
418	2034	10	.
419	2034	11	.
420	2034	12	.
421	2035	1	.
422	2035	2	.
423	2035	3	.
424	2035	4	.
425	2035	5	.
426	2035	6	.
427	2035	7	.
428	2035	8	.
429	2035	9	.
430	2035	10	.
431	2035	11	.
432	2035	12	.
433	2036	1	.
434	2036	2	.
435	2036	3	.
436	2036	4	.
437	2036	5	.
438	2036	6	.
439	2036	7	.
440	2036	8	.
441	2036	9	.
442	2036	10	.
443	2036	11	.
444	2036	12	.
445	2037	1	.
446	2037	2	.
447	2037	3	.
448	2037	4	.
449	2037	5	.
450	2037	6	.

Kentucky Power Company
 Municipal Energy Sales-Olive Hill
 Endogenous Variable

Obs	YEAR	MONTH	kwh
451	2037	7	.
452	2037	8	.
453	2037	9	.
454	2037	10	.
455	2037	11	.
456	2037	12	.
457	2038	1	.
458	2038	2	.
459	2038	3	.
460	2038	4	.
461	2038	5	.
462	2038	6	.
463	2038	7	.
464	2038	8	.
465	2038	9	.
466	2038	10	.
467	2038	11	.
468	2038	12	.
469	2039	1	.
470	2039	2	.
471	2039	3	.
472	2039	4	.
473	2039	5	.
474	2039	6	.
475	2039	7	.
476	2039	8	.
477	2039	9	.
478	2039	10	.
479	2039	11	.
480	2039	12	.
481	2040	1	.
482	2040	2	.
483	2040	3	.
484	2040	4	.
485	2040	5	.
486	2040	6	.
487	2040	7	.
488	2040	8	.
489	2040	9	.
490	2040	10	.
491	2040	11	.
492	2040	12	.
493	2041	1	.
494	2041	2	.
495	2041	3	.
496	2041	4	.
497	2041	5	.
498	2041	6	.
499	2041	7	.
500	2041	8	.

Kentucky Power Company
 Municipal Energy Sales-Olive Hill
 Endogenous Variable

Obs	YEAR	MONTH	kwh
501	2041	9	.
502	2041	10	.
503	2041	11	.
504	2041	12	.
505	2042	1	.
506	2042	2	.
507	2042	3	.
508	2042	4	.
509	2042	5	.
510	2042	6	.
511	2042	7	.
512	2042	8	.
513	2042	9	.
514	2042	10	.
515	2042	11	.
516	2042	12	.
517	2043	1	.
518	2043	2	.
519	2043	3	.
520	2043	4	.
521	2043	5	.
522	2043	6	.
523	2043	7	.
524	2043	8	.
525	2043	9	.
526	2043	10	.
527	2043	11	.
528	2043	12	.
529	2044	1	.
530	2044	2	.
531	2044	3	.
532	2044	4	.
533	2044	5	.
534	2044	6	.
535	2044	7	.
536	2044	8	.
537	2044	9	.
538	2044	10	.
539	2044	11	.
540	2044	12	.
541	2045	1	.
542	2045	2	.
543	2045	3	.
544	2045	4	.
545	2045	5	.
546	2045	6	.
547	2045	7	.
548	2045	8	.
549	2045	9	.
550	2045	10	.

Kentucky Power Company
 Municipal Energy Sales-Olive Hill
 Endogenous Variable

Obs	YEAR	MONTH	kwh
551	2045	11	.
552	2045	12	.
553	2046	1	.
554	2046	2	.
555	2046	3	.
556	2046	4	.
557	2046	5	.
558	2046	6	.
559	2046	7	.
560	2046	8	.
561	2046	9	.
562	2046	10	.
563	2046	11	.
564	2046	12	.
565	2047	1	.
566	2047	2	.
567	2047	3	.
568	2047	4	.
569	2047	5	.
570	2047	6	.
571	2047	7	.
572	2047	8	.
573	2047	9	.
574	2047	10	.
575	2047	11	.
576	2047	12	.
577	2048	1	.
578	2048	2	.
579	2048	3	.
580	2048	4	.
581	2048	5	.
582	2048	6	.
583	2048	7	.
584	2048	8	.
585	2048	9	.
586	2048	10	.
587	2048	11	.
588	2048	12	.
589	2049	1	.
590	2049	2	.
591	2049	3	.
592	2049	4	.
593	2049	5	.
594	2049	6	.
595	2049	7	.
596	2049	8	.
597	2049	9	.
598	2049	10	.
599	2049	11	.
600	2049	12	.

Kentucky Power Company
Municipal Energy Sales-Olive Hill
Endogenous Variable

Obs	YEAR	MONTH	kwh
601	2050	1	.
602	2050	2	.
603	2050	3	.
604	2050	4	.
605	2050	5	.
606	2050	6	.
607	2050	7	.
608	2050	8	.
609	2050	9	.
610	2050	10	.
611	2050	11	.
612	2050	12	.
613	2051	1	.
614	2051	2	.
615	2051	3	.
616	2051	4	.
617	2051	5	.
618	2051	6	.
619	2051	7	.
620	2051	8	.
621	2051	9	.
622	2051	10	.
623	2051	11	.
624	2051	12	.
625	2052	1	.
626	2052	2	.
627	2052	3	.
628	2052	4	.
629	2052	5	.
630	2052	6	.
631	2052	7	.
632	2052	8	.
633	2052	9	.
634	2052	10	.
635	2052	11	.
636	2052	12	.
637	2053	1	.
638	2053	2	.
639	2053	3	.
640	2053	4	.
641	2053	5	.
642	2053	6	.
643	2053	7	.
644	2053	8	.
645	2053	9	.
646	2053	10	.
647	2053	11	.
648	2053	12	.
649	2054	1	.
650	2054	2	.

Kentucky Power Company
Municipal Energy Sales-Olive Hill
Endogenous Variable

Obs	YEAR	MONTH	kwh
651	2054	3	.
652	2054	4	.
653	2054	5	.
654	2054	6	.
655	2054	7	.
656	2054	8	.
657	2054	9	.
658	2054	10	.
659	2054	11	.
660	2054	12	.

Kentucky Power Company
 Municipal Energy Sales-Olive Hill
 Exogenous Variables

The MEANS Procedure

Variable	Label	Mean
YEAR	YEAR	2027.00
MONTH	MONTH	6.5000000
bcdd65	Cooling Degree Days (Base 65)	99.0930808
bhdd55	Heating Degree Days (Base 55)	205.2114551
L_kpc	Service Area Employment	129.3775928
d1	Binary Variable-January	0.0833333
d2	Binary Variable-February	0.0833333
d3	Binary Variable-March	0.0833333
d4	Binary Variable-April	0.0833333
d5	Binary Variable-May	0.0833333
d6	Binary Variable-June	0.0833333
d7	Binary Variable-July	0.0833333
d8	Binary Variable-August	0.0833333
d9	Binary Variable-September	0.0833333
d10	Binary Variable-October	0.0833333
d11	Binary Variable-November	0.0833333
jan04	Binary Variable-July 2004	0.0015152
mar02	Binary Variable-March 2002	0.0015152
apr02	Binary Variable-April 2002	0.0015152
jul15on	Binary Variable-July 2015 On	0.7181818
jand08on	Binary Variable-2008 On January	0.0712121
dec07on	Binary Variable-2007 On December	0.0727273
oct11on	Binary Variable-October 2011 On	0.7863636
d17onjan	Binary Variable-2017 On January	0.0575758
mar18on	Binary Variable-March 2018 On	0.6696970

Kentucky Power Company
 Municipal Energy Sales-Olive Hill
 Model Results

The SYSLIN Procedure
 Ordinary Least Squares Estimation

Model kwh
 Dependent Variable kwh
 Label Energy (kWh)

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	23	4.569E13	1.987E12	67.96	<.0001
Error	205	5.993E12	2.924E10		
Corrected Total	228	5.169E13			

Root MSE 170984.569 R-Square 0.88405
 Dependent Mean 2203242.92 Adj R-Sq 0.87104
 Coeff Var 7.76059

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variable Label
Intercept	1	-1119721	3349723	-0.33	0.7385	Intercept
l1	1	724535.3	669756.4	1.08	0.2806	Service Area Employment, Log
bhdd55	1	807.6605	169.1004	4.78	<.0001	Heating Degree Days (Base 55)
bcdd65	1	1228.451	322.8767	3.80	0.0002	Cooling Degree Days (Base 65)
jan04	1	2686946	182960.9	14.69	<.0001	Binary Variable-July 2004
mar02	1	-855394	176213.8	-4.85	<.0001	Binary Variable-March 2002
apr02	1	1673282	176133.2	9.50	<.0001	Binary Variable-April 2002
jand08on	1	315806.0	87597.49	3.61	0.0004	Binary Variable-2008 On January
dec07on	1	-17679.9	83131.63	-0.21	0.8318	Binary Variable-2007 On December
oct11on	1	-158716	57354.53	-2.77	0.0062	Binary Variable-October 2011 On
d1	1	-123960	95684.66	-1.30	0.1966	Binary Variable-January
d2	1	-406748	87722.56	-4.64	<.0001	Binary Variable-February

Kentucky Power Company
 Municipal Energy Sales-Olive Hill
 Model Results

The SYSLIN Procedure
 Ordinary Least Squares Estimation

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variable Label
d3	1	-527782	78252.65	-6.74	<.0001	Binary Variable-March
d4	1	-797458	82105.81	-9.71	<.0001	Binary Variable-April
d5	1	-683406	96161.10	-7.11	<.0001	Binary Variable-May
d6	1	-547094	110217.5	-4.96	<.0001	Binary Variable-June
d7	1	-400093	134212.7	-2.98	0.0032	Binary Variable-July
d8	1	-520049	142991.9	-3.64	0.0003	Binary Variable-August
d9	1	-819765	130869.5	-6.26	<.0001	Binary Variable-September
d10	1	-724701	102046.5	-7.10	<.0001	Binary Variable-October
d11	1	-375447	86177.26	-4.36	<.0001	Binary Variable-November
jul15on	1	-81002.9	63907.23	-1.27	0.2064	Binary Variable-July 2015 On
d17onjan	1	-235301	117704.9	-2.00	0.0469	Binary Variable-2017 On January
mar18on	1	66914.47	62075.60	1.08	0.2823	Binary Variable-March 2018 On

Durbin-Watson 2.143314
 Number of Observations 229
 First-Order Autocorrelation -0.07169

Kentucky Power Company
 Municipal Energy Sales-Olive Hill
 Model Residuals

time		Residual Values Sum
2000.000000	*	-10384.5
2000.0833333	*****	-318111.1
2000.1666667	*****	344214.4
2000.2500000	*****	118861.6
2000.3333333	*****	-92663.9
2000.4166667	*****	-339660.0
2000.5000000	*****	-131202.2
2000.5833333		-4624.7
2000.6666667	*****	269268.2
2000.7500000	*****	283153.2
2000.8333333	*****	-495481.4
2000.9166667	*****	-612011.2
2001.0000000	***	-70497.9
2001.0833333	*****	430310.6
2001.1666667	*****	-99821.2
2001.2500000	*****	-104286.1
2001.3333333	*	-17470.2
2001.4166667	*****	-102997.5
2001.5000000	*****	-238722.6
2001.5833333	*****	-331056.5
2001.6666667	*****	-448494.4
2001.7500000	*****	-244618.8
2001.8333333	*****	423279.7
2001.9166667	*****	-154477.8
2002.0000000		-6083.5
2002.0833333	*****	-158673.6
2002.1666667		-0.0
2002.2500000		0.0
2002.3333333	*****	-157237.5
2002.4166667	***	65597.4
2002.5000000	*****	267005.7
2002.5833333	***	63017.4
2002.6666667	*****	91944.6
2002.7500000	*****	-173762.5
2002.8333333	*****	-102719.8
2002.9166667	*****	263893.8
2003.0000000	*****	112328.9
2003.0833333	*****	-169934.9
2003.1666667	*****	-336786.9
2003.2500000	*****	132827.7
2003.3333333	*****	-108890.6
2003.4166667	*****	-193604.6
2003.5000000	*****	173693.3
2003.5833333	**	31377.5
2003.6666667		-9884.1
2003.7500000	****	73636.2
2003.8333333	*****	-246307.8
2003.9166667	*****	222990.4
2004.0000000		0.0

Kentucky Power Company
 Municipal Energy Sales-Olive Hill
 Model Residuals

2004.0833333		*	28597.3
2004.1666667		*	-26475.9
2004.2500000			6897.1
2004.3333333		*	14943.3
2004.4166667		***	66825.5
2004.5000000		*	-19116.3
2004.5833333	*****		-151607.6
2004.6666667		*****	330307.8
2004.7500000	*****		-169270.8
2004.8333333	*****		-284348.4
2004.9166667		*****	389724.1
2005.0000000	*****		-123614.9
2005.0833333	*****		-255893.8
2005.1666667		*****	151219.0
2005.2500000	****		-77682.6
2005.3333333	*****		-125581.0
2005.4166667		*****	235286.3
2005.5000000		****	75970.8
2005.5833333		*	16555.7
2005.6666667		*****	218621.9
2005.7500000	*****		-225142.5
2005.8333333		*****	310268.9
2005.9166667			-9525.7
2006.0000000			8387.3
2006.0833333		*****	104325.1
2006.1666667		**	38311.2
2006.2500000	*****		-125947.5
2006.3333333		*	23366.4
2006.4166667		**	-30633.7
2006.5000000		*****	180858.7
2006.5833333		*****	113293.0
2006.6666667	*****		-196166.2
2006.7500000		*****	173396.6
2006.8333333		**	-36041.6
2006.9166667	*****		-100593.6
2007.0000000		****	89864.6
2007.0833333		*****	334032.1
2007.1666667	*****		-213102.7
2007.2500000		****	79075.9
2007.3333333		*****	103226.7
2007.4166667		*	29991.3
2007.5000000	*****		-102985.7
2007.5833333		*****	377006.9
2007.6666667		**	-33162.6
2007.7500000		***	-59096.4
2007.8333333		*	16818.4
2007.9166667		*	17370.8
2008.0000000		***	63788.6
2008.0833333		*****	174189.3
2008.1666667		***	65458.3
2008.2500000		*	-16128.2
2008.3333333		****	-71596.3

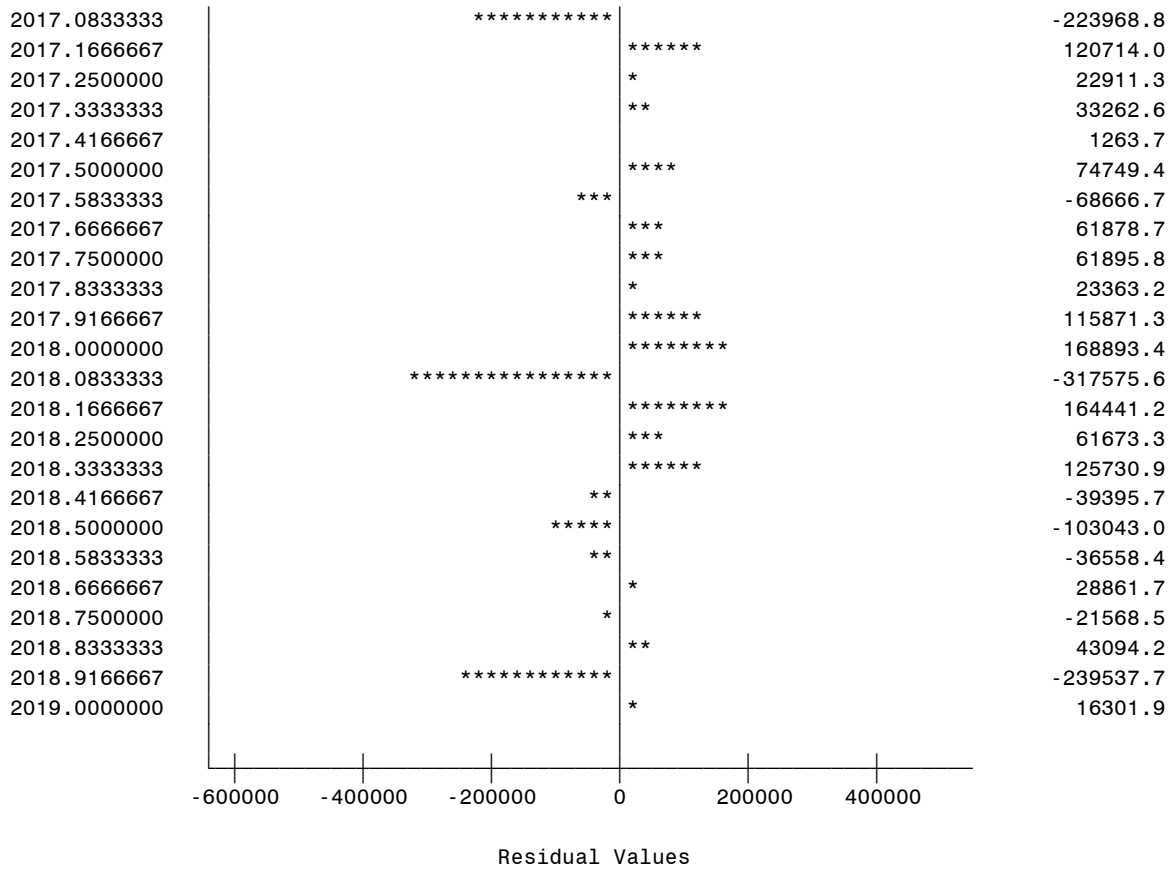
Kentucky Power Company
 Municipal Energy Sales-Olive Hill
 Model Residuals

2008.416667		*****	131476.0
2008.500000		*	17354.6
2008.583333	**		-39396.0
2008.666667		*	17648.5
2008.750000		*	19422.9
2008.833333		*****	160148.4
2008.916667		****	72927.0
2009.000000		*****	181671.0
2009.083333	***		-62775.6
2009.166667			-7427.1
2009.250000		*****	112354.0
2009.333333	***		-55117.1
2009.416667		***	50613.6
2009.500000	*****		-169170.6
2009.583333		*****	118699.8
2009.666667		*	-29939.7
2009.750000		***	54750.4
2009.833333	***		-61191.9
2009.916667		*****	195235.9
2010.000000			-2956.5
2010.083333		*****	217407.9
2010.166667	****		-90857.5
2010.250000	**		-34738.9
2010.333333		*	12573.7
2010.416667		****	100812.2
2010.500000		**	30574.6
2010.583333		*	23505.9
2010.666667	*****		-119906.7
2010.750000	*****		-129434.0
2010.833333			5863.7
2010.916667		*****	530861.4
2011.000000		*	-10150.2
2011.083333	*****		-115224.8
2011.166667		****	74954.2
2011.250000	****		-99306.4
2011.333333	*		-12115.8
2011.416667	*****		-122416.9
2011.500000		*****	125108.9
2011.583333	*****		-164833.5
2011.666667	*****		-198203.8
2011.750000		*****	170383.6
2011.833333	***		-66224.3
2011.916667	*		-29913.8
2012.000000	*****		-214075.0
2012.083333			1919.8
2012.166667	*****		-220864.7
2012.250000	**		43288.9
2012.333333	*****		121609.7
2012.416667	*		-17234.7
2012.500000		****	75358.7
2012.583333	***		-62140.2
2012.666667	***		-58345.4

Kentucky Power Company
 Municipal Energy Sales-Olive Hill
 Model Residuals

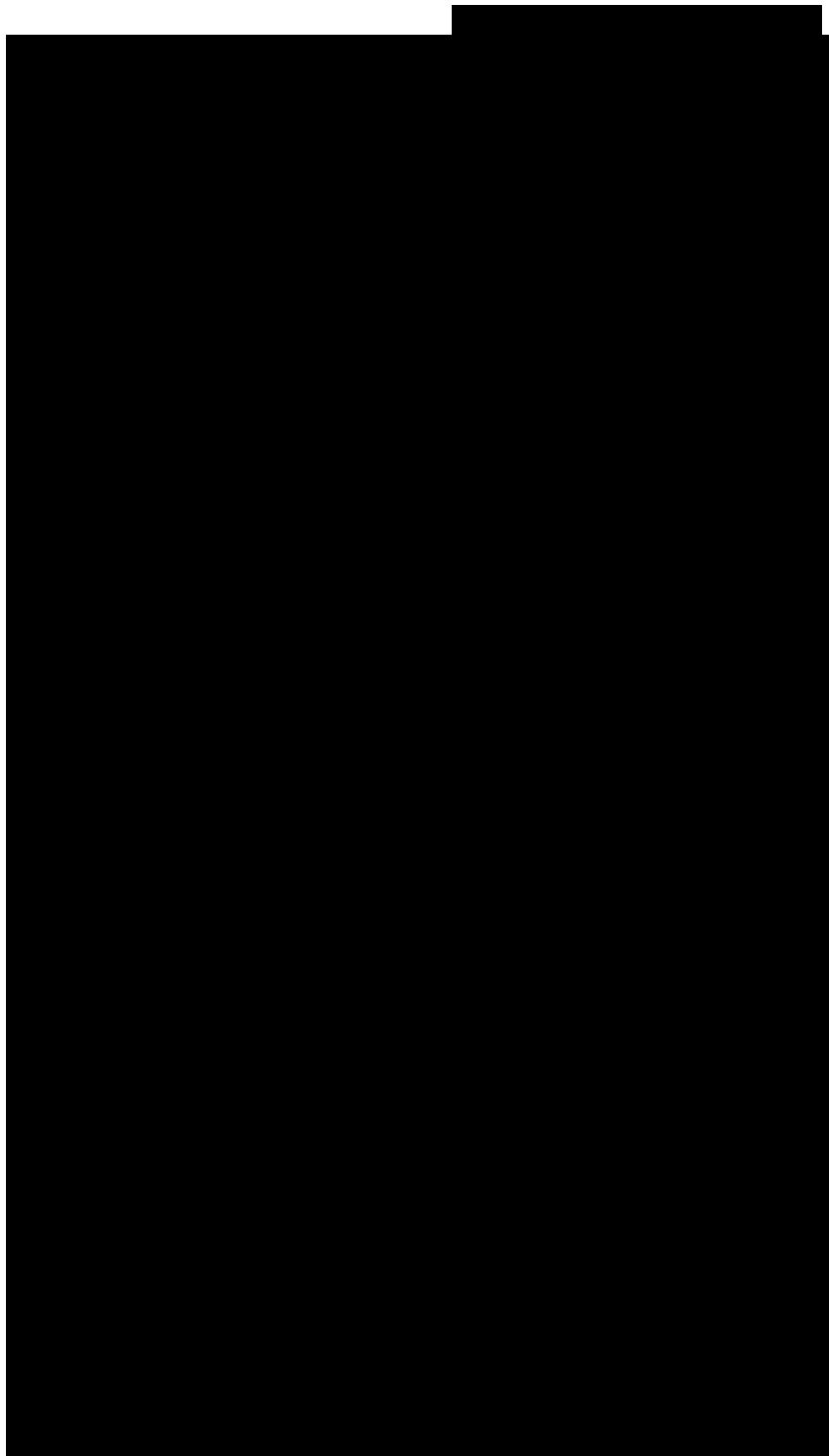
2012.7500000		*****	118033.5
2012.8333333		*****	119406.5
2012.9166667	*****		-142659.7
2013.0000000	*****		-213758.9
2013.0833333	*		-13261.9
2013.1666667		*****	225236.0
2013.2500000	*****		-106509.4
2013.3333333	*		23751.4
2013.4166667	*		-26518.5
2013.5000000	*****		-99629.2
2013.5833333	*****		-120554.0
2013.6666667	***		-63551.6
2013.7500000		***	67574.8
2013.8333333		*****	111299.3
2013.9166667	**		-39443.4
2014.0000000		*****	223944.7
2014.0833333			1415.8
2014.1666667		****	89470.7
2014.2500000	****		-88966.6
2014.3333333		**	47376.7
2014.4166667		****	70892.7
2014.5000000	*****		-190626.8
2014.5833333		****	83096.1
2014.6666667	*		-10628.3
2014.7500000		**	49021.7
2014.8333333		*****	198955.6
2014.9166667	*****		-201032.5
2015.0000000	****		-83524.7
2015.0833333		*****	379722.6
2015.1666667	*****		-177277.1
2015.2500000	***		-58803.0
2015.3333333		****	76000.4
2015.4166667			7784.7
2015.5000000	**		-37131.8
2015.5833333			-1808.1
2015.6666667		*****	107064.4
2015.7500000		***	60547.0
2015.8333333	***		-69380.3
2015.9166667	*****		-312660.2
2016.0000000		***	55061.1
2016.0833333	**		-36500.4
2016.1666667	*****		-101405.9
2016.2500000		*****	134479.1
2016.3333333		***	58830.6
2016.4166667		*****	111917.8
2016.5000000		****	70953.4
2016.5833333		*****	154693.3
2016.6666667		**	42686.9
2016.7500000	*****		-108922.2
2016.8333333	***		-50802.3
2016.9166667		**	32980.9
2017.0000000	*****		-185195.3

Kentucky Power Company
 Municipal Energy Sales-Olive Hill
 Model Residuals



Kentucky Power Company
Municipal Energy Sales-Olive Hill
Actual and Forecast

Year	Energy Sales	Growth Rate
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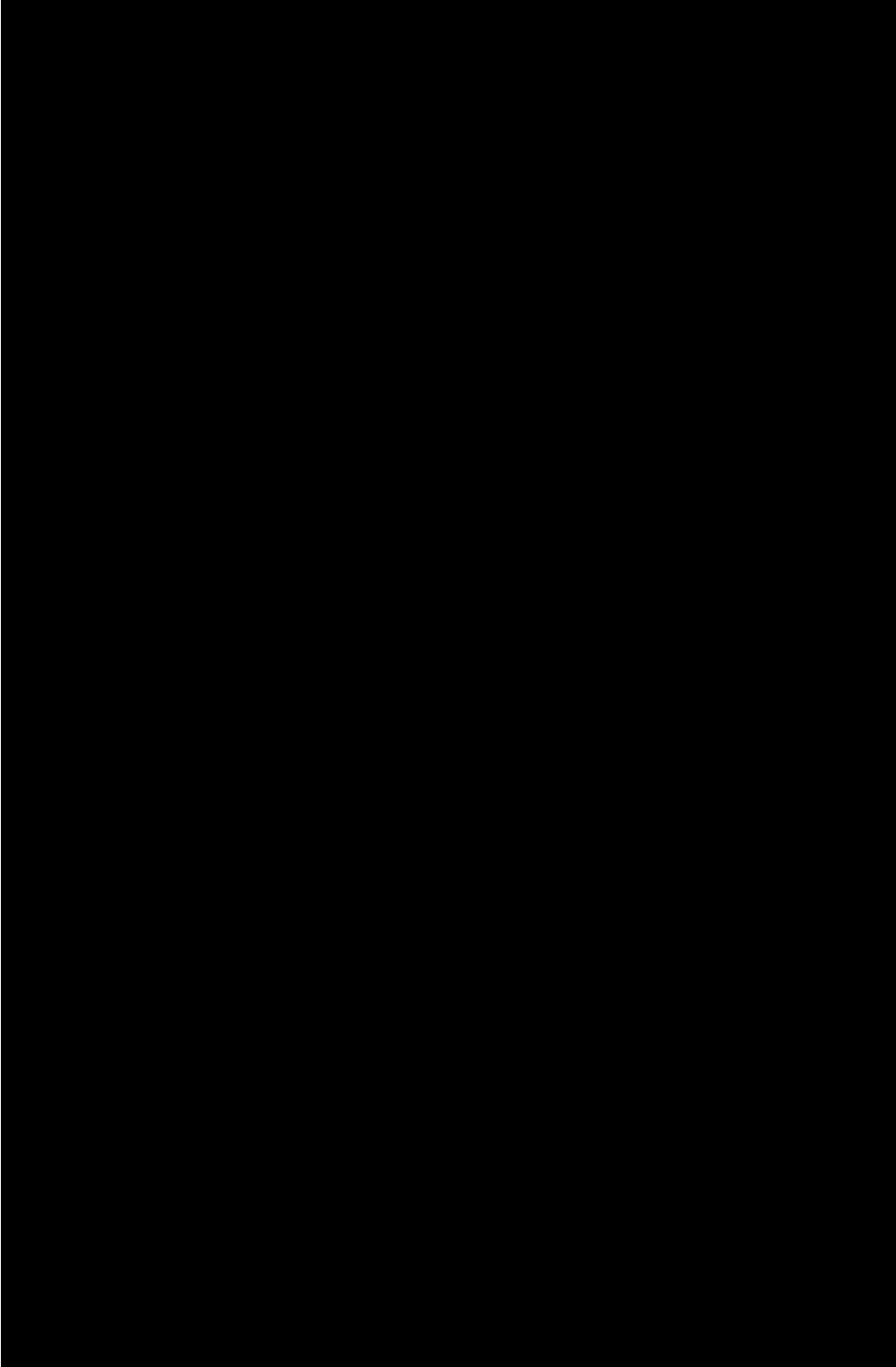
Kentucky Power Company
Municipal Energy Sales-Olive Hill
Actual and Forecast

Year	Energy Sales	Growth Rate
------	-----------------	----------------



**CONFIDENTIAL
PRICE FORECASTS**

Kentucky Power Company
Actual and Forecast Electricity Prices (2009 cents per kWh) By Sector

Year	Month	Residential	Commercial	Manufacturing	Mine Power	Other Retail	Wholesale
1984	1						
1984	2						
1984	3						
1984	4						
1984	5						
1984	6						
1984	7						
1984	8						
1984	9						
1984	10						
1984	11						
1984	12						
1985	1						
1985	2						
1985	3						
1985	4						
1985	5						
1985	6						
1985	7						
1985	8						
1985	9						
1985	10						
1985	11						
1985	12						
1986	1						
1986	2						
1986	3						
1986	4						
1986	5						
1986	6						
1986	7						
1986	8						
1986	9						
1986	10						
1986	11						
1986	12						
1987	1						
1987	2						
1987	3						
1987	4						

Kentucky Power Company
Actual and Forecast Electricity Prices (2009 cents per kWh) By Sector

Year	Month	Residential	Commercial	Manufacturing	Mine Power	Other Retail	Wholesale
1987	5						
1987	6						
1987	7						
1987	8						
1987	9						
1987	10						
1987	11						
1987	12						
1988	1						
1988	2						
1988	3						
1988	4						
1988	5						
1988	6						
1988	7						
1988	8						
1988	9						
1988	10						
1988	11						
1988	12						
1989	1						
1989	2						
1989	3						
1989	4						
1989	5						
1989	6						
1989	7						
1989	8						
1989	9						
1989	10						
1989	11						
1989	12						
1990	1						
1990	2						
1990	3						
1990	4						
1990	5						
1990	6						
1990	7						
1990	8						

Kentucky Power Company
Actual and Forecast Electricity Prices (2009 cents per kWh) By Sector

Year	Month	Residential	Commercial	Manufacturing	Mine Power	Other Retail	Wholesale
1990	9						
1990	10						
1990	11						
1990	12						
1991	1						
1991	2						
1991	3						
1991	4						
1991	5						
1991	6						
1991	7						
1991	8						
1991	9						
1991	10						
1991	11						
1991	12						
1992	1						
1992	2						
1992	3						
1992	4						
1992	5						
1992	6						
1992	7						
1992	8						
1992	9						
1992	10						
1992	11						
1992	12						
1993	1						
1993	2						
1993	3						
1993	4						
1993	5						
1993	6						
1993	7						
1993	8						
1993	9						
1993	10						
1993	11						
1993	12						

Kentucky Power Company
Actual and Forecast Electricity Prices (2009 cents per kWh) By Sector

Year	Month	Residential	Commercial	Manufacturing	Mine Power	Other Retail	Wholesale
1994	1						
1994	2						
1994	3						
1994	4						
1994	5						
1994	6						
1994	7						
1994	8						
1994	9						
1994	10						
1994	11						
1994	12						
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1996	4						
1996	5						
1996	6						
1996	7						
1996	8						
1996	9						
1996	10						
1996	11						
1996	12						
1997	1						
1997	2						
1997	3						
1997	4						

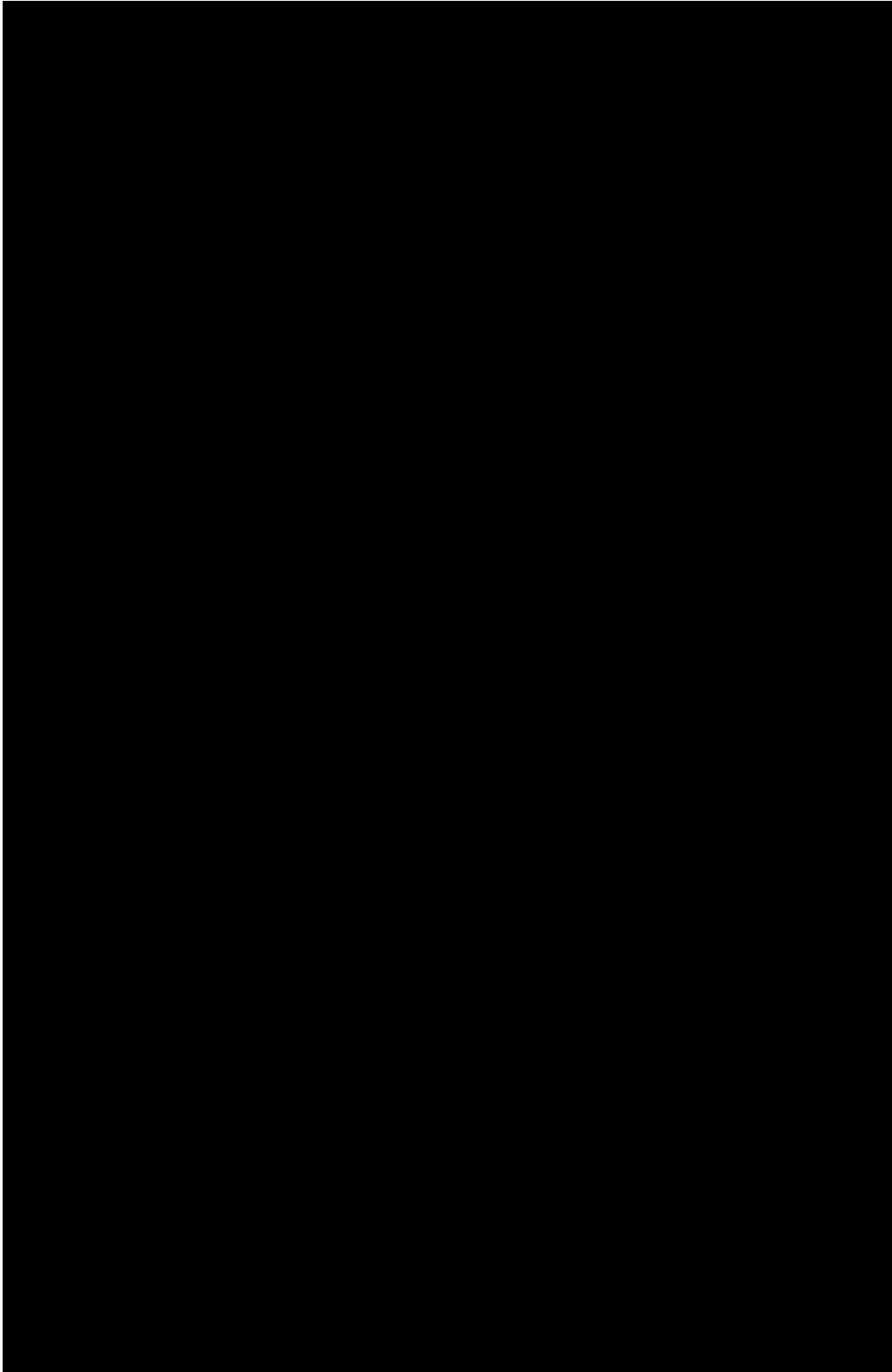
Kentucky Power Company
Actual and Forecast Electricity Prices (2009 cents per kWh) By Sector

Year	Month	Residential	Commercial	Manufacturing	Mine Power	Other Retail	Wholesale
1997	5						
1997	6						
1997	7						
1997	8						
1997	9						
1997	10						
1997	11						
1997	12						
1998	1						
1998	2						
1998	3						
1998	4						
1998	5						
1998	6						
1998	7						
1998	8						
1998	9						
1998	10						
1998	11						
1998	12						
1999	1						
1999	2						
1999	3						
1999	4						
1999	5						
1999	6						
1999	7						
1999	8						
1999	9						
1999	10						
1999	11						
1999	12						
2000	1						
2000	2						
2000	3						
2000	4						
2000	5						
2000	6						
2000	7						
2000	8						

Kentucky Power Company
Actual and Forecast Electricity Prices (2009 cents per kWh) By Sector

Year	Month	Residential	Commercial	Manufacturing	Mine Power	Other Retail	Wholesale
2000	9						
2000	10						
2000	11						
2000	12						
2001	1						
2001	2						
2001	3						
2001	4						
2001	5						
2001	6						
2001	7						
2001	8						
2001	9						
2001	10						
2001	11						
2001	12						
2002	1						
2002	2						
2002	3						
2002	4						
2002	5						
2002	6						
2002	7						
2002	8						
2002	9						
2002	10						
2002	11						
2002	12						
2003	1						
2003	2						
2003	3						
2003	4						
2003	5						
2003	6						
2003	7						
2003	8						
2003	9						
2003	10						
2003	11						
2003	12						

Kentucky Power Company
Actual and Forecast Electricity Prices (2009 cents per kWh) By Sector

Year	Month	Residential	Commercial	Manufacturing	Mine Power	Other Retail	Wholesale
2004	1						
2004	2						
2004	3						
2004	4						
2004	5						
2004	6						
2004	7						
2004	8						
2004	9						
2004	10						
2004	11						
2004	12						
2005	1						
2005	2						
2005	3						
2005	4						
2005	5						
2005	6						
2005	7						
2005	8						
2005	9						
2005	10						
2005	11						
2005	12						
2006	1						
2006	2						
2006	3						
2006	4						
2006	5						
2006	6						
2006	7						
2006	8						
2006	9						
2006	10						
2006	11						
2006	12						
2007	1						
2007	2						
2007	3						
2007	4						

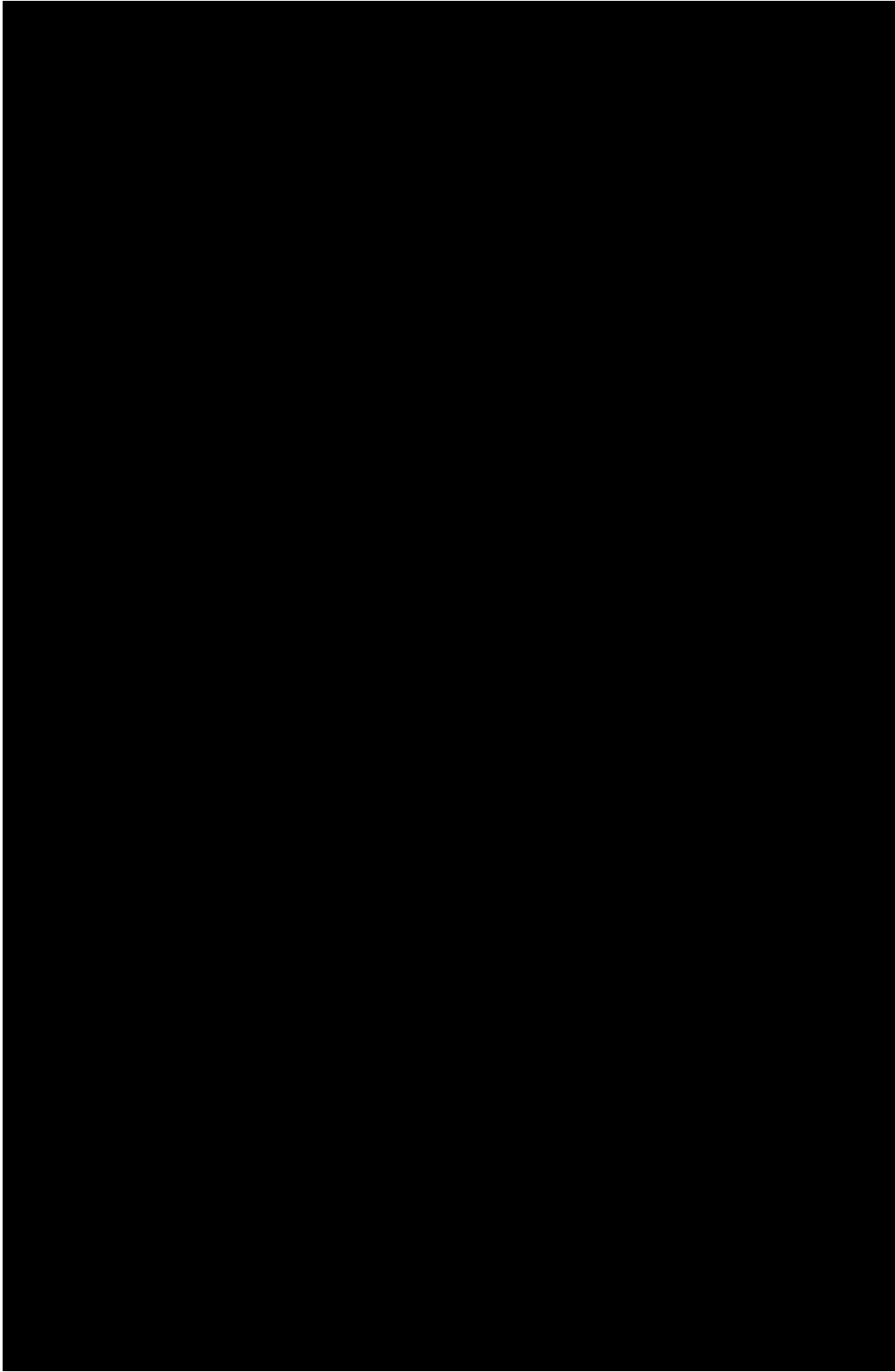
Kentucky Power Company
Actual and Forecast Electricity Prices (2009 cents per kWh) By Sector

Year	Month	Residential	Commercial	Manufacturing	Mine Power	Other Retail	Wholesale
2007	5						
2007	6						
2007	7						
2007	8						
2007	9						
2007	10						
2007	11						
2007	12						
2008	1						
2008	2						
2008	3						
2008	4						
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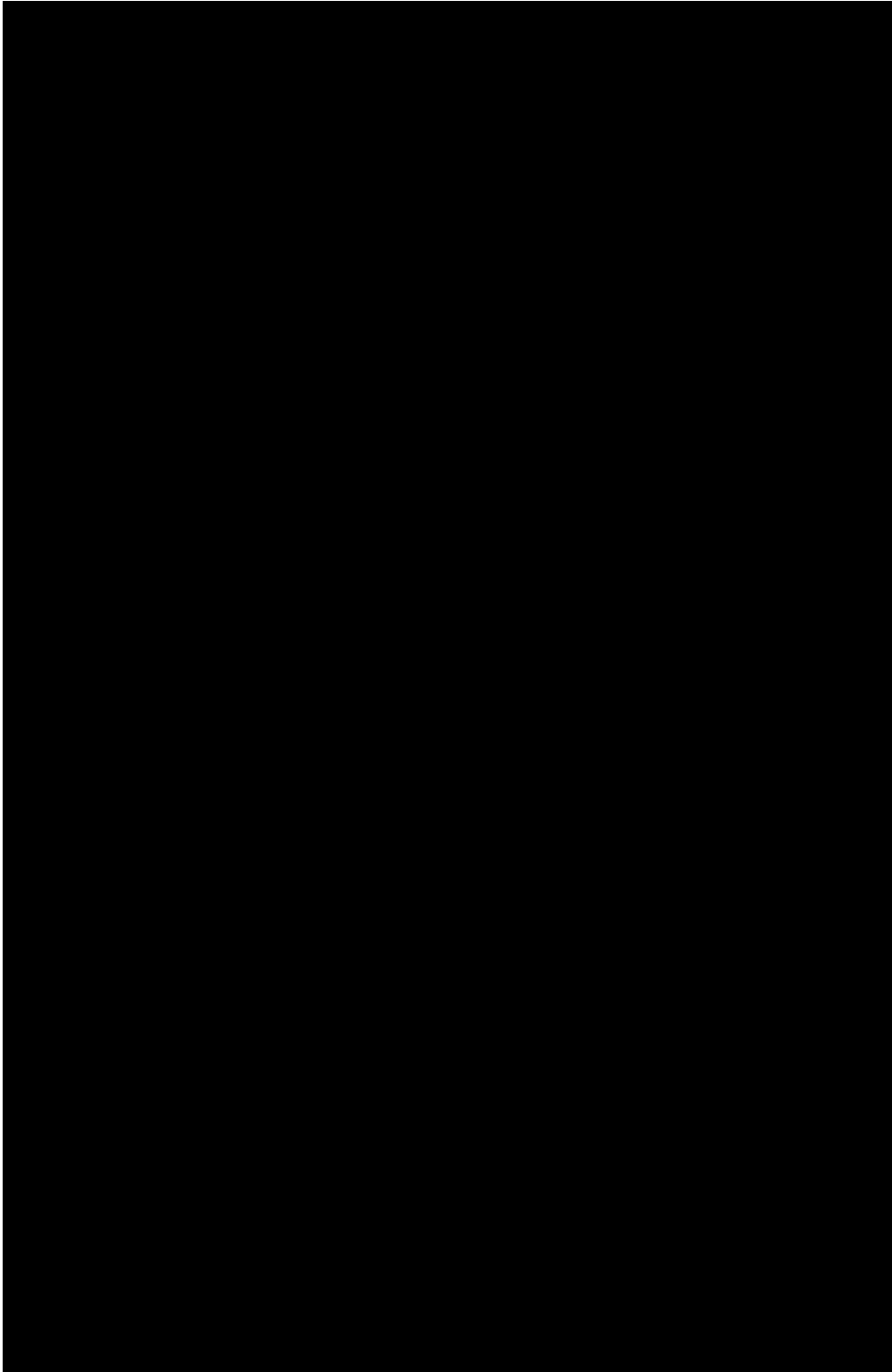
Kentucky Power Company
Actual and Forecast Electricity Prices (2009 cents per kWh) By Sector

Year	Month	Residential	Commercial	Manufacturing	Mine Power	Other Retail	Wholesale
2010	9						
2010	10						
2010	11						
2010	12						
2011	1						
2011	2						
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2013	9						
2013	10						
2013	11						
2013	12						

Kentucky Power Company
Actual and Forecast Electricity Prices (2009 cents per kWh) By Sector

Year	Month	Residential	Commercial	Manufacturing	Mine Power	Other Retail	Wholesale
2014	1						
2014	2						
2014	3						
2014	4						
2014	5						
2014	6						
2014	7						
2014	8						
2014	9						
2014	10						
2014	11						
2014	12						
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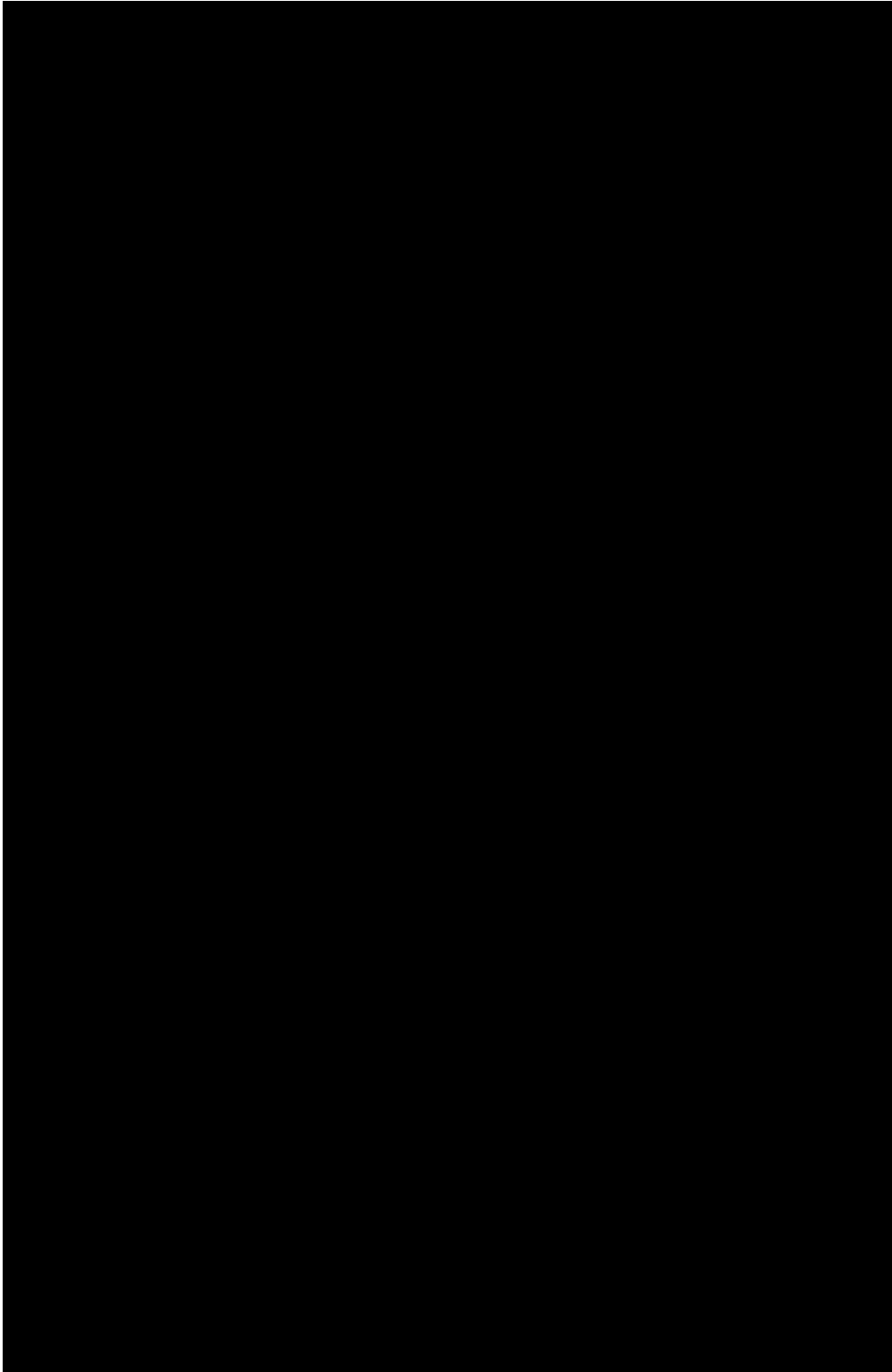
Kentucky Power Company
Actual and Forecast Electricity Prices (2009 cents per kWh) By Sector

Year	Month	Residential	Commercial	Manufacturing	Mine Power	Other Retail	Wholesale
2017	5						
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2017	7						
2017	8						
2017	9						
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2020	8						

Kentucky Power Company
Actual and Forecast Electricity Prices (2009 cents per kWh) By Sector

Year	Month	Residential	Commercial	Manufacturing	Mine Power	Other Retail	Wholesale
2020	9						
2020	10						
2020	11						
2020	12						
2021	1						
2021	2						
2021	3						
2021	4						
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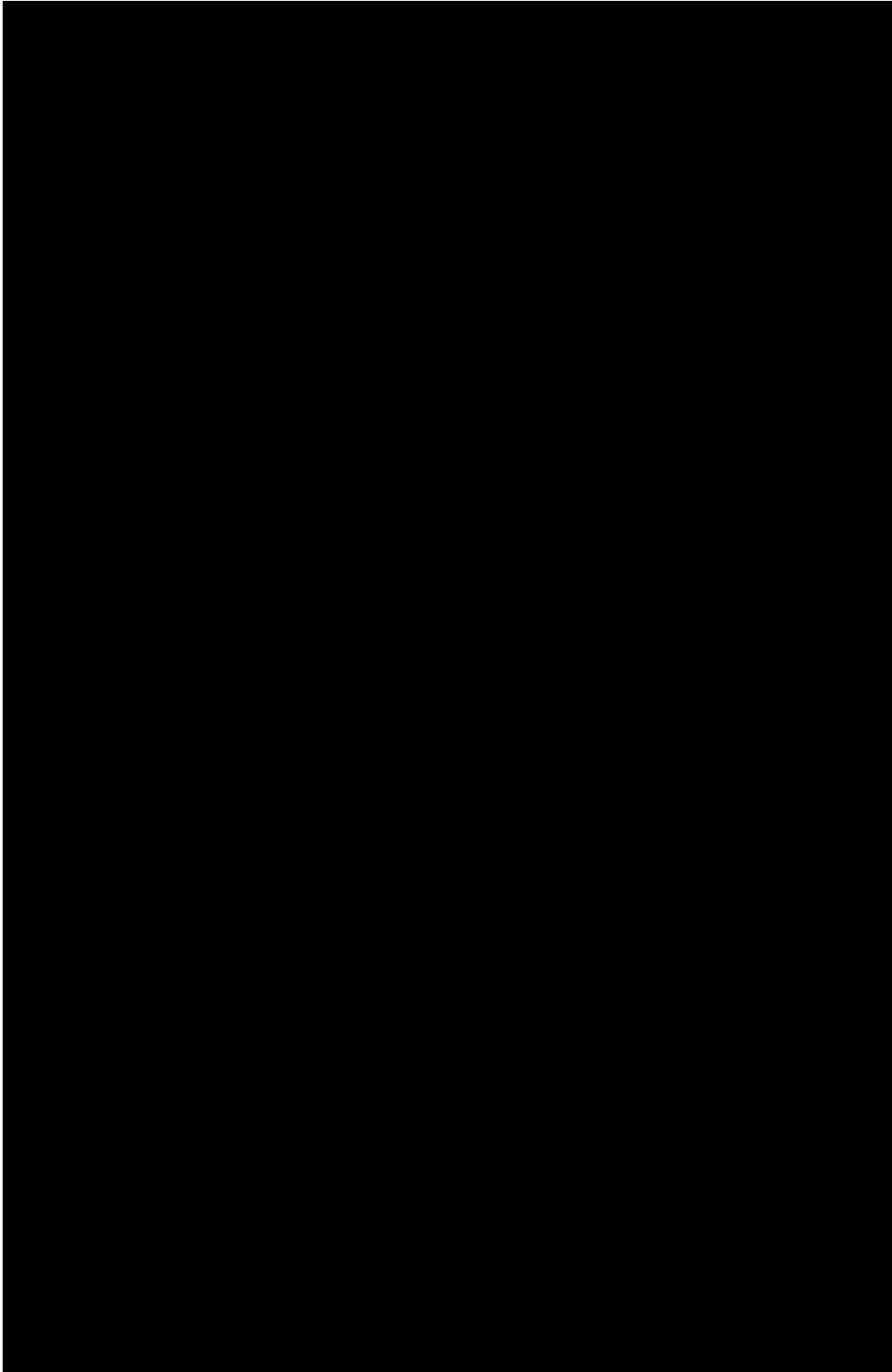
Kentucky Power Company
Actual and Forecast Electricity Prices (2009 cents per kWh) By Sector

Year	Month	Residential	Commercial	Manufacturing	Mine Power	Other Retail	Wholesale
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2024	3						
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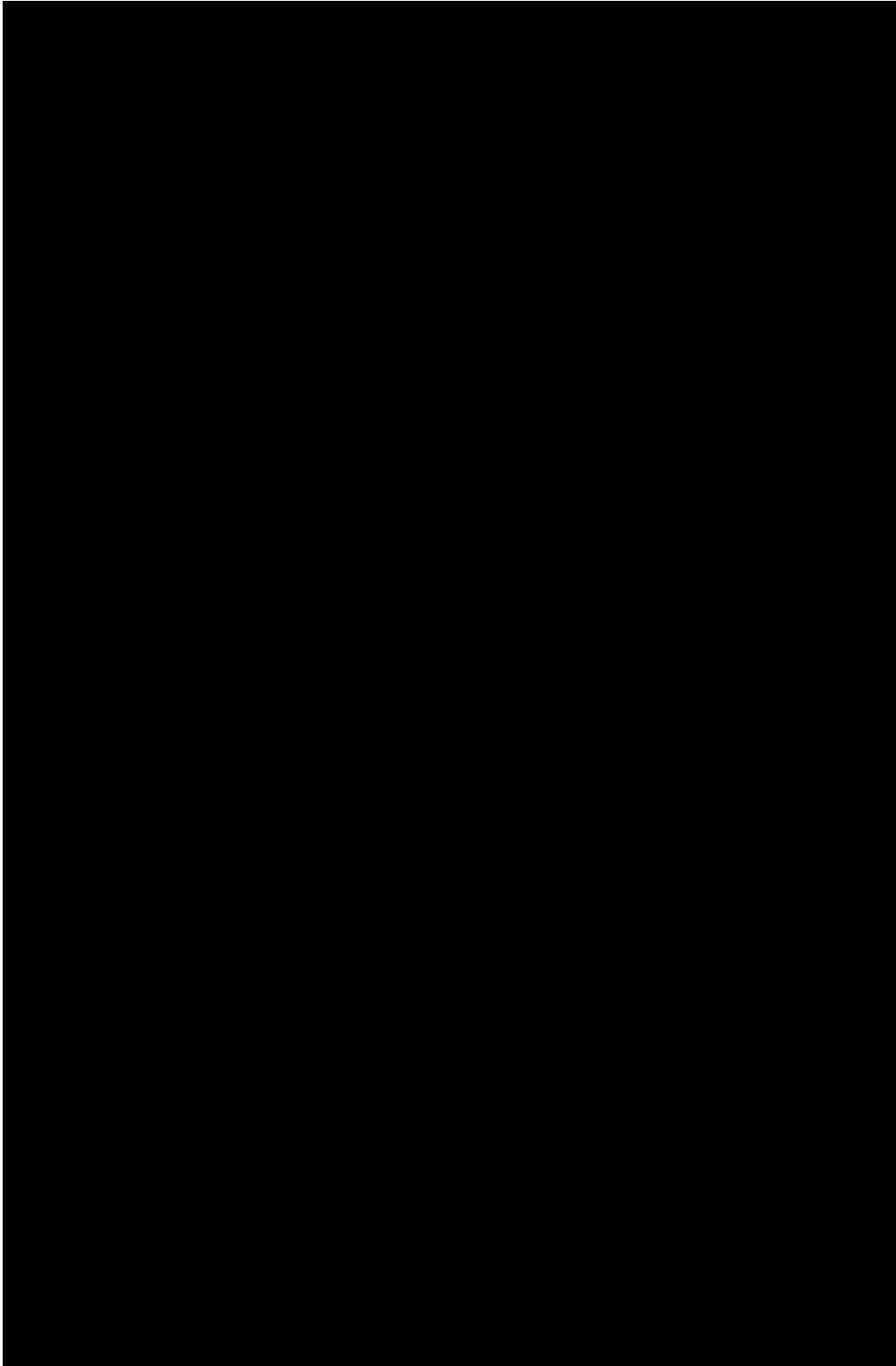
Kentucky Power Company
Actual and Forecast Electricity Prices (2009 cents per kWh) By Sector

Year	Month	Residential	Commercial	Manufacturing	Mine Power	Other Retail	Wholesale
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2027	7						
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Kentucky Power Company
Actual and Forecast Electricity Prices (2009 cents per kWh) By Sector

Year	Month	Residential	Commercial	Manufacturing	Mine Power	Other Retail	Wholesale
2030	9						
2030	10						
2030	11						
2030	12						
2031	1						
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Kentucky Power Company
Actual and Forecast Electricity Prices (2009 cents per kWh) By Sector

Year	Month	Residential	Commercial	Manufacturing	Mine Power	Other Retail	Wholesale
2034	1						
2034	2						
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2037	1						
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2037	4						

Kentucky Power Company
Actual and Forecast Electricity Prices (2009 cents per kWh) By Sector

Year	Month	Residential	Commercial	Manufacturing	Mine Power	Other Retail	Wholesale
2037	5						
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2037	7						
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Kentucky Power Company
Actual and Forecast Electricity Prices (2009 cents per kWh) By Sector

Year	Month	Residential	Commercial	Manufacturing	Mine Power	Other Retail	Wholesale
2040	9						
2040	10						
2040	11						
2040	12						
2041	1						
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Kentucky Power Company
Actual and Forecast Electricity Prices (2009 cents per kWh) By Sector

Year	Month	Residential	Commercial	Manufacturing	Mine Power	Other Retail	Wholesale
2044	1						
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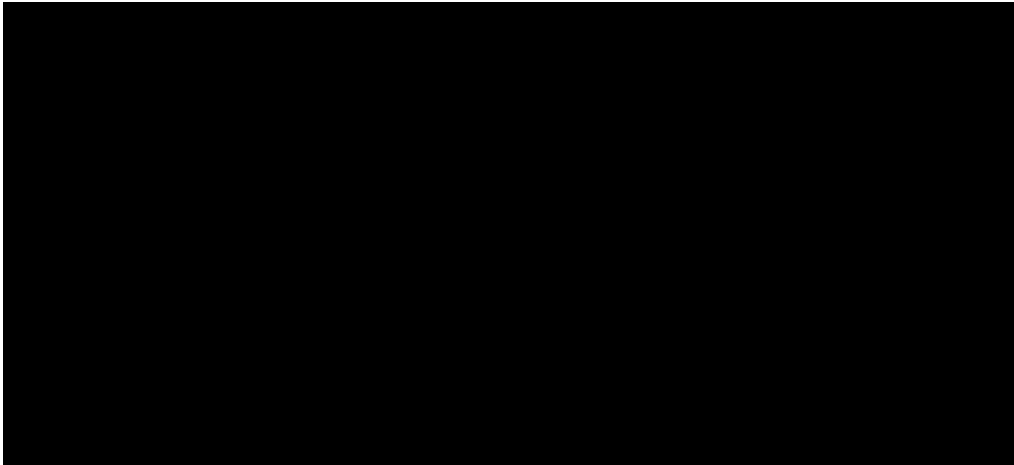
Kentucky Power Company
Actual and Forecast Electricity Prices (2009 cents per kWh) By Sector

Year	Month	Residential	Commercial	Manufacturing	Mine Power	Other Retail	Wholesale
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Kentucky Power Company
Actual and Forecast Electricity Prices (2009 cents per kWh) By Sector

Year	Month	Residential	Commercial	Manufacturing	Mine Power	Other Retail	Wholesale
2050	9						
2050	10						
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2053	11						
2053	12						

Kentucky Power Company
Actual and Forecast Electricity Prices (2009 cents per kWh) By Sector

Year	Month	Residential	Commercial	Manufacturing	Mine Power	Other Retail	Wholesale
2054	1						
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