

VERIFICATION

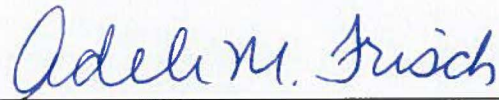
STATE OF OHIO)
)
COUNTY OF HAMILTON) SS:

The undersigned, James E. Ziolkowski, Director, Rates & Regulatory Planning, being duly sworn, deposes and says that he has personal knowledge of the matters set forth in the foregoing data requests, and that the answers contained therein are true and correct to the best of his knowledge, information and belief.



James E. Ziolkowski Affiant

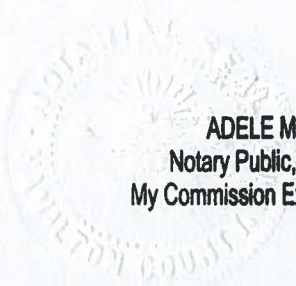
Subscribed and sworn to before me by James E. Ziolkowski on this 8TH day of NOVEMBER, 2017.



NOTARY PUBLIC

ADELE M. FRISCH
Notary Public, State of Ohio
My Commission Expires 01-05-2019

My Commission Expires: 1/5/2019



VERIFICATION

STATE OF OHIO)
) SS:
COUNTY OF HAMILTON)

The undersigned, Bruce L. Sailors, Pricing and Regulatory Solutions Manager, being duly sworn, deposes and says that he has personal knowledge of the matters set forth in the foregoing data requests, and that the answers contained therein are true and correct to the best of his knowledge, information and belief.

Bruce L. Sailors
Bruce L. Sailors, Affiant

Subscribed and sworn to before me by Bruce L. Sailors, on this 1ST day of NOVEMBER, 2017.

Adele M. Frisch
NOTARY PUBLIC

ADELE M. FRISCH
Notary Public, State of Ohio
My Commission Expires 01-05-2019

My Commission Expires: 1/5/2019

KyPSC Case No. 2017-00321
KENTUCKY SCHOOL BOARDS ASSOCIATION'S FIRST SET
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**Duke Energy Kentucky
Case No. 2017-00321
Kentucky School Boards Association's First Set Data Requests
Date Received: October 26, 2017**

KSBA-DR-01-001

REQUEST:

Please provide copies all calculations, work papers and any other supporting documents including but not limited to load research reports used to develop the coincident and non-coincident demands in Witness Ziolkowski Work Paper FR-16(7)(V) pages 32, 40, 41, 43, and 45.

RESPONSE:

Workpapers are not available. All supporting documents and data are contained in proprietary commercial software that is licensed to the Company.

PERSON RESPONSIBLE: James E. Ziolkowski

**Duke Energy Kentucky
Case No. 2017-00321
Kentucky School Boards Association's First Set Data Requests
Date Received: October 26, 2017**

KSBA-DR-01-002

REQUEST:

Please describe the origin of the data used Witness Ziolkowski to develop Work Paper FR-16(7)(V) pages 41, 43, and 45 and confirm it is from the "January through December 2010" period. If yes, please explain why the Company has not conducted load research since 2010 for these rate classes.

RESPONSE:

The "January through December 2010" was a mislabel on pages 41 ,43, and 45. The heading should read "January through December 2016".

PERSON RESPONSIBLE: James E. Ziolkowski

Duke Energy Kentucky
Case No. 2017-00321
Kentucky School Boards Association's First Set Data Requests
Date Received: October 26, 2017

KSBA-DR-01-003

REQUEST:

Please confirm the "Observed" data used Witness Ziolkowski to develop Work Paper FR-16(7)(V) page 40 LoadRes DS is from a statically significant sample for the January through December 2016 period. If not, please describe the origin of the data.

RESPONSE:

The data used on page 40 is from a statistically significant sample.

PERSON RESPONSIBLE: James E. Ziolkowski

Duke Energy Kentucky
Case No. 2017-00321
Kentucky School Boards Association's First Set Data Requests
Date Received: October 26, 2017

KSBA-DR-01-004

REQUEST:

Please provide the number on customers served on Tariff DS by 25 kw August billing demand blocks (e.g. 0 – 25 kw, 26 – 50 kw, 51 -75 kw, etc.).

RESPONSE:

The following table shows the number of Rate DS accounts for August 2017 categorized by billing demand. The data appears in 25 kW increments from zero to 200 kW, and 100 kWh increments above 200 kW.

<u>Demand (kW)</u>	<u>Number of Accounts</u>
0-25 kW	10,761
26-50 kW	1,255
51-75 kW	470
76-100 kW	266
101-125 kW	158
126-150 kW	96
151-175 kW	72
176-200 kW	67
201-200 kW	145
301-300 kW	88
401-500 kW	38
501-600 kW	24
601-700 kW	5
701-800 kW	2
801-900 kW	1
901-1000 kW	1
1001-1500 kW	2
Total	13,451

PERSON RESPONSIBLE: James E. Ziolkowski

**Duke Energy Kentucky
Case No. 2017-00321
Kentucky School Boards Association's First Set Data Requests
Date Received: October 26, 2017**

KSBA-DR-01-005

REQUEST:

With regard to Witness Ziolkowski Work Paper FR-16(7)(V) pages 40 and 41 (Rate DS) please provide the number of K – 12 schools in the “Observed” groups.

RESPONSE:

Not available. The Company does not have sufficient detail in its samples to identify K-12 schools.

PERSON RESPONSIBLE: James E. Ziolkowski

Duke Energy Kentucky
Case No. 2017-00321
Kentucky School Boards Association's First Set Data Requests
Date Received: October 26, 2017

KSBA-DR-01-006

REQUEST:

Please provide the 24 – hour monthly system peak day load profiles in Excel format for all K – 12 school accounts recorded since 2010 and include the rate schedule for each account. *(Note: To avoid disclosing confidential and propriety information please provide only the load profile data and attendant rate schedule.)*

RESPONSE:

Please see the exhibits KSBA-DR-01-006 1 through KSBA-DR-01-006 12 for 24 hour data for 2016; provided on CD.

PERSON RESPONSIBLE: James E. Ziolkowski

KSBA-DR-01-006
EXHIBITS 1 THROUGH 6
PROVIDED ON CD

**Duke Energy Kentucky
Case No. 2017-00321
Kentucky School Boards Association's First Set Data Requests
Date Received: October 26, 2017**

KSBA-DR-01-007

REQUEST:

Please provide the 24 – hour monthly system peak day load profiles for the “observed” groups on Witness Ziolkowski Work Paper FR-16(7)(V) pages 40 and 41 (Rate DS), page 43 (Rate DTSEC) and page 45 (Rate EH).

RESPONSE:

Please see KSBA-DR-01-007 Attachment.

PERSON RESPONSIBLE: James E. Ziolkowski

Hourly profile data provided is shown using "prevailing" time (*EST/EDT, where appropriate*)

Duke Energy Kentucky	<u>Rate Group/requested:</u>	<u>Description (for COS Statements)</u>
(Subset of DS)	DSS	DISTRIBUTION SECONDARY - SMALL AND MEDIUM - DS < 500kw RATE GROUP
(Subset of DS)	DSB	DISTRIBUTION SECONDARY - LARGE - DS ≥ 500kw BILLING DEMAND
	DTS	DISTRIBUTION TOD SECONDARY RATE GROUP
	* EH	OPTIONAL RATE FOR ELECTRIC SPACE HEATING - EH RATE GROUP

Notes:

Midwest rates are not segregated by Commercial & Industrial customers.

* EH: Oct-May only. During summer, accounts are represented in DS class.

Duke Energy Kentucky 2016 Data is shown using "prevailing" time (EST/EDT, where appropriate)
Rate Class: DSS, DISTRIBUTION SECONDARY - SMALL AND MEDIUM - DS < 500kw
 Hourly Profiles -- System Peak Day, per Month
 KW @ customer meter level (by rate class/schedule)

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
DEK_System Peak_Day	1/18/2016	2/10/2016	3/3/2016	4/26/2016	5/31/2016	6/20/2016	7/25/2016	8/11/2016	9/7/2016	10/6/2016	11/22/2016	12/15/2016
DEK_System Peak_HourEnding	20	20	20	17	17	18	15	16	16	17	8	8
HourEnding	KY_DSS	KY_DSS	KY_DSS	KY_DSS	KY_DSS	KY_DSS	KY_DSS	KY_DSS	KY_DSS	KY_DSS	KY_DSS	KY_DSS
1	89,348	88,580	74,892	72,735	75,828	85,181	99,736	95,781	96,647	78,483	76,376	91,123
2	89,411	86,931	73,703	68,785	72,652	80,528	93,638	91,303	91,418	73,620	75,191	90,764
3	88,356	85,732	72,863	65,967	69,446	79,391	89,650	85,472	84,974	67,147	74,704	89,569
4	88,964	86,051	71,974	65,479	69,440	75,336	89,839	83,175	83,022	66,306	74,647	89,626
5	89,432	86,922	72,893	66,164	68,766	75,893	89,766	84,140	82,412	66,903	75,228	93,017
6	92,497	89,796	76,037	68,916	72,059	80,454	93,429	88,468	86,519	68,996	80,729	96,876
7	100,758	96,854	86,853	74,893	77,411	87,204	100,394	96,153	97,185	78,917	88,845	107,242
8	113,428	111,136	96,898	84,589	92,097	102,336	117,128	105,850	106,597	91,928	104,108	119,613
9	123,517	118,659	106,571	101,323	116,656	121,117	136,543	125,779	126,194	101,253	118,781	128,297
10	128,062	127,388	113,290	112,840	135,551	136,931	156,435	145,894	143,219	114,774	123,056	134,108
11	130,709	133,211	117,150	125,203	148,069	153,824	169,446	159,249	157,327	124,287	122,923	137,001
12	132,990	133,986	121,042	132,669	157,420	164,646	178,800	168,490	166,092	131,079	123,430	138,996
13	132,285	133,955	121,943	136,764	158,905	167,022	183,067	170,503	171,591	139,092	120,322	139,894
14	132,263	134,745	119,825	137,444	157,425	169,937	179,353	170,351	180,430	141,526	115,582	140,485
15	130,477	135,714	120,908	140,065	162,373	173,457	184,037	173,736	181,132	149,074	114,596	138,914
16	122,285	128,377	115,036	136,649	159,073	172,823	183,574	173,805	181,084	148,211	110,662	129,485
17	120,720	123,532	110,672	132,602	160,718	171,701	178,093	168,253	179,125	147,761	110,793	127,274
18	116,304	114,519	100,398	121,676	146,875	159,950	161,295	157,534	169,430	135,755	110,724	125,284
19	118,792	116,842	97,096	106,299	128,829	147,741	148,259	146,180	153,290	121,807	102,715	121,742
20	118,598	114,472	97,807	92,824	120,687	136,155	134,994	138,578	142,448	115,612	99,692	118,927
21	112,563	110,556	95,799	89,710	115,758	128,050	128,259	131,404	139,416	112,880	97,623	115,642
22	108,249	104,308	90,959	86,713	110,022	121,204	124,706	123,271	128,339	104,437	93,552	111,963
23	100,167	97,581	82,814	79,671	101,018	111,998	113,913	111,868	115,266	93,424	85,518	106,627
24	95,924	94,081	78,749	71,963	90,527	102,734	103,040	105,063	107,183	83,388	78,222	101,413

Duke Energy Kentucky 2016 Data is shown using "prevailing" time (EST/EDT, where appropriate)
Rate Class: DSB, DISTRIBUTION SECONDARY - LARGE - DS ≥ 500kw BILLING DEMAND
 Hourly Profiles -- System Peak Day, per Month
 KW @ customer meter level (by rate class/schedule)

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
DEK_System Peak_Day	1/18/2016	2/10/2016	3/3/2016	4/26/2016	5/31/2016	6/20/2016	7/25/2016	8/11/2016	9/7/2016	10/6/2016	11/22/2016	12/15/2016
DEK_System Peak_HourEnding	20	20	20	17	17	18	15	16	16	17	8	8
HourEnding	KY_DSB	KY_DSB	KY_DSB	KY_DSB	KY_DSB	KY_DSB	KY_DSB	KY_DSB	KY_DSB	KY_DSB	KY_DSB	KY_DSB
1	25,918	27,537	25,433	27,109	26,494	28,427	30,130	31,250	30,918	26,193	24,214	27,111
2	26,563	27,100	25,155	26,173	26,259	27,730	29,905	30,496	30,192	25,089	23,772	26,810
3	25,989	26,901	24,770	25,574	25,500	27,773	29,753	30,143	29,537	24,619	23,405	27,063
4	26,821	27,230	24,982	25,654	25,721	28,419	30,468	30,533	29,874	24,778	23,819	27,113
5	28,272	28,215	26,406	26,539	27,724	30,359	32,094	31,918	30,972	26,317	24,721	28,887
6	30,875	30,737	28,624	30,866	31,106	34,126	36,141	36,139	35,823	29,813	27,802	31,574
7	34,390	34,999	32,722	36,127	35,262	38,643	41,572	42,234	42,937	35,300	32,723	36,003
8	36,136	37,134	35,623	39,677	39,156	42,717	46,068	46,389	47,678	39,120	36,408	40,376
9	35,446	37,272	38,022	42,964	42,014	45,685	49,069	49,967	52,345	41,157	37,934	41,637
10	36,657	38,367	39,023	45,223	45,123	48,663	51,964	53,211	55,964	43,836	38,643	41,662
11	37,194	38,812	39,035	47,177	47,919	51,143	54,643	54,762	57,546	45,292	38,462	41,594
12	36,316	39,041	39,361	48,576	49,408	51,846	55,391	55,792	59,403	47,115	37,968	41,178
13	36,439	38,447	39,369	49,630	49,755	52,589	55,279	55,861	60,580	48,279	37,852	40,742
14	36,343	38,275	38,884	50,161	49,842	52,672	55,217	56,718	61,028	49,373	37,110	40,069
15	35,989	38,280	37,563	49,919	49,394	52,393	54,836	56,847	60,406	48,571	36,069	38,938
16	35,003	37,174	36,342	48,641	48,909	51,356	53,154	55,564	58,385	47,771	34,737	37,352
17	34,394	35,874	34,549	45,547	46,794	48,711	50,490	52,793	53,978	45,228	32,961	35,812
18	34,049	34,809	33,431	41,310	44,476	46,638	47,075	51,148	50,618	42,810	33,000	36,140
19	35,201	35,456	32,940	38,542	41,877	44,643	44,761	49,733	48,742	40,717	32,531	35,362
20	34,650	35,403	32,942	34,640	41,035	43,381	43,406	47,237	47,160	39,624	31,753	35,468
21	34,011	34,670	31,748	33,645	39,415	40,866	41,256	44,286	44,575	37,521	30,559	33,898
22	32,591	32,605	29,360	31,847	37,367	39,021	39,092	40,440	39,808	33,446	27,560	31,948
23	30,872	30,540	27,568	29,309	32,754	35,220	35,877	36,341	35,283	29,049	25,343	30,391
24	29,843	29,133	25,775	28,026	30,902	33,320	33,556	33,943	33,352	26,775	24,512	28,833

Duke Energy Kentucky 2016 Data is shown using "prevailing" time (EST/EDT, where appropriate)
Rate Class: DTS, DISTRIBUTION TOD SECONDARY
 Hourly Profiles -- System Peak Day, per Month
 KW @ customer meter level (by rate class/schedule)

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
DEK_System Peak_Day	1/18/2016	2/10/2016	3/3/2016	4/26/2016	5/31/2016	6/20/2016	7/25/2016	8/11/2016	9/7/2016	10/6/2016	11/22/2016	12/15/2016
DEK_System Peak_HourEnding	20	20	20	17	17	18	15	16	16	17	8	8
HourEnding	KY_DTS	KY_DTS	KY_DTS	KY_DTS	KY_DTS	KY_DTS	KY_DTS	KY_DTS	KY_DTS	KY_DTS	KY_DTS	KY_DTS
1	62,304	77,120	75,309	70,456	63,091	67,718	73,601	84,855	81,007	81,476	76,372	77,501
2	62,876	76,064	74,407	69,581	63,383	67,721	73,083	84,160	79,603	80,026	75,083	76,873
3	63,116	74,900	72,838	68,221	62,792	67,831	72,624	82,525	78,267	77,738	73,096	75,739
4	63,661	73,565	71,852	67,460	62,202	68,359	72,184	81,986	77,451	76,036	71,760	74,838
5	66,616	73,955	72,288	67,836	62,560	69,057	73,003	82,263	77,489	77,518	72,279	75,745
6	69,842	76,358	74,144	70,238	66,254	71,762	76,984	84,129	80,876	79,861	75,770	79,359
7	74,581	80,710	78,790	74,755	71,955	78,061	83,930	90,515	86,554	84,856	79,792	82,543
8	80,610	84,761	83,343	80,397	79,247	84,481	90,563	95,961	90,909	89,327	84,182	87,590
9	83,625	86,322	85,159	83,317	83,814	89,268	94,000	98,812	94,005	92,645	85,123	89,535
10	84,265	86,759	84,645	84,491	87,445	91,339	98,388	102,044	96,911	94,535	85,428	89,122
11	85,473	87,600	85,982	87,766	89,615	94,901	102,467	104,795	99,963	97,128	86,557	88,764
12	83,705	87,291	85,714	88,618	91,045	95,440	102,628	105,612	101,221	99,016	85,874	88,570
13	84,822	87,186	86,652	89,541	91,796	96,544	102,962	105,737	103,242	101,057	85,556	88,589
14	84,172	88,397	86,187	91,005	93,321	98,241	103,999	107,964	104,799	103,474	86,245	89,139
15	84,139	87,234	85,377	90,647	92,169	98,061	103,929	107,208	105,385	103,009	85,484	88,648
16	83,405	85,400	84,834	90,115	90,793	97,482	102,049	105,325	102,932	101,737	84,467	87,209
17	82,633	84,331	82,856	88,558	89,352	95,707	99,686	102,292	100,574	100,189	83,576	86,106
18	80,773	83,233	81,365	83,847	86,219	93,248	96,324	99,373	97,123	96,542	81,781	85,543
19	81,559	84,146	80,875	79,732	84,795	91,022	93,885	96,426	94,217	92,677	81,580	84,435
20	81,381	83,213	80,296	71,238	83,020	89,297	92,480	93,559	91,594	91,444	80,763	83,665
21	80,625	82,339	79,079	70,568	81,653	87,492	91,590	91,668	91,290	89,685	79,851	83,960
22	80,287	81,411	77,798	71,141	81,684	86,858	90,819	90,306	88,857	86,773	79,071	82,742
23	79,108	78,750	76,275	69,405	78,080	82,672	86,011	86,658	85,301	83,065	76,753	81,406
24	78,725	77,513	75,694	67,881	76,742	77,476	84,837	86,310	84,596	81,678	77,071	80,217

Duke Energy Kentucky 2016
Rate Class: EH, OPTIONAL RATE FOR ELECTRIC SPACE HEATING
 Hourly Profiles -- System Peak Day, per Month
 KW @ customer meter level (by rate class/schedule)

Data is shown using "prevailing" time (EST/EDT, where appropriate)
 *EH rate class: Oct-May only. During summer, accounts are represented in DS class

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
DEK_System Peak_Day	1/18/2016	2/10/2016	3/3/2016	4/26/2016	5/31/2016	6/20/2016	7/25/2016	8/11/2016	9/7/2016	10/6/2016	11/22/2016	12/15/2016
DEK_System Peak_HourEnding	20	20	20	17	17	18	15	16	16	17	8	8
HourEnding	KY_EH	KY_EH	KY_EH	KY_EH	KY_EH	KY_EH	KY_EH	KY_EH	KY_EH	KY_EH	KY_EH	KY_EH
1	3,707	3,560	2,733	1,517	1,473	.	.	.	.	1,564	2,449	3,854
2	3,781	3,595	2,811	1,497	1,458	.	.	.	.	1,548	2,444	3,855
3	3,918	3,705	2,815	1,426	1,431	.	.	.	.	1,526	2,458	3,881
4	3,989	3,866	2,860	1,459	1,414	.	.	.	.	1,471	2,529	4,073
5	3,967	4,128	3,005	1,626	1,572	.	.	.	.	1,579	2,682	4,293
6	4,156	4,742	3,564	1,851	1,712	.	.	.	.	1,834	3,186	4,716
7	4,596	5,735	4,523	2,728	2,319	.	.	.	.	2,694	4,291	6,202
8	4,769	5,456	5,356	3,695	2,998	.	.	.	.	3,954	5,077	7,165
9	4,695	5,404	5,712	4,385	3,620	.	.	.	.	4,496	5,453	7,088
10	4,509	5,575	5,610	4,580	3,604	.	.	.	.	4,640	5,351	6,981
11	4,353	5,420	5,453	4,599	3,677	.	.	.	.	4,597	4,746	6,618
12	4,070	5,117	5,237	4,705	3,679	.	.	.	.	4,712	4,642	6,367
13	3,927	4,979	5,199	4,737	3,669	.	.	.	.	4,855	4,413	6,254
14	3,800	4,842	4,847	4,586	3,586	.	.	.	.	4,787	4,108	5,887
15	3,658	4,692	4,296	4,229	3,366	.	.	.	.	4,359	3,714	5,293
16	3,492	4,362	3,841	3,304	2,821	.	.	.	.	3,856	3,201	4,985
17	3,478	4,254	3,449	2,813	2,413	.	.	.	.	3,288	2,875	4,623
18	3,725	4,277	3,445	2,629	2,277	.	.	.	.	3,046	2,800	4,612
19	3,702	4,210	3,327	2,522	2,136	.	.	.	.	2,943	2,888	4,548
20	3,828	4,109	3,310	2,171	2,029	.	.	.	.	2,829	2,759	4,440
21	3,839	4,187	3,213	1,985	1,882	.	.	.	.	2,315	2,738	4,318
22	3,709	3,941	2,997	1,778	1,745	.	.	.	.	1,969	2,560	4,221
23	3,697	3,869	2,896	1,674	1,644	.	.	.	.	1,869	2,434	4,198
24	3,786	3,783	2,773	1,574	1,523	.	.	.	.	1,677	2,329	3,978

Duke Energy Kentucky
Case No. 2017-00321
Kentucky School Boards Association's First Set Data Requests
Date Received: October 26, 2017

KSBA-DR-01-008

REQUEST:

Please provide the origin and supporting documents for the data in each cell in columns B through L in Witness Ziolkowski Work Paper FR-16(7)(V) pages 40, 41, 43, and 45.

RESPONSE:

Workpapers are not available. All supporting documents and data are contained in proprietary commercial software that is licensed to the Company.

PERSON RESPONSIBLE: James E. Ziolkowski

Duke Energy Kentucky
Case No. 2017-00321
Kentucky School Boards Association's First Set Data Requests
Date Received: October 26, 2017

KSBA-DR-01-009

REQUEST:

Please provide the Company system peaks in the Form 1 page 401 format and 24- hour profiles in Excel format for each system monthly peak day shown for the years 2012 through 2016, and 2017 through September.

RESPONSE:

Please see KSBA-DR-01-010 and KSBA-DR-01-011 attachments for FERC form 1 page 401b.

Please see KSBA-DR-01-009 for 24- hour profiles in Excel format; provided on CD.

PERSON RESPONSIBLE: James E. Ziolkowski

KSBA-DR-01-009 Attachment
PROVIDED ON CD

Duke Energy Kentucky
Case No. 2017-00321
Kentucky School Boards Association's First Set Data Requests
Date Received: October 26, 2017

KSBA-DR-01-010

REQUEST:

Please provide a copy of FERC Form 1 page 401b for the years 2013 through 2016.

RESPONSE:

See KSBA-DR-01-010 Attachment 1.

PERSON RESPONSIBLE: David L. Doss, Jr.

Name of Respondent Duke Energy Kentucky, Inc.	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) / /	Year/Period of Report End of 2013/Q4
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KyPSC Case
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 DR-01-010
 Attachment
 Page 1 of 4

MONTHLY PEAKS AND OUTPUT

1. Report the monthly peak load and energy output. If the respondent has two or more power which are not physically integrated, furnish the required information for each non-integrated system.
2. Report in column (b) by month the system's output in Megawatt hours for each month.
3. Report in column (c) by month the non-requirements sales for resale. Include in the monthly amounts any energy losses associated with the sales.
4. Report in column (d) by month the system's monthly maximum megawatt load (60 minute integration) associated with the system.
5. Report in column (e) and (f) the specified information for each monthly peak load reported in column (d).

NAME OF SYSTEM:

Line No.	Month (a)	Total Monthly Energy (b)	Monthly Non-Requirements Sales for Resale & Associated Losses (c)	MONTHLY PEAK		
				Megawatts (See Instr. 4) (d)	Day of Month (e)	Hour (f)
29	January	386,252	8,047	710	22	800
30	February	353,480	15,575	681	1	800
31	March	449,483	96,012	619	14	700
32	April	308,275	3,636	563	18	1500
33	May	375,490	40,051	727	30	1600
34	June	444,617	55,578	813	25	1600
35	July	432,340	7,577	858	18	1600
36	August	430,655	6,635	853	28	1700
37	September	452,441	89,102	851	10	1600
38	October	402,510	68,102	662	4	1600
39	November	369,657	32,020	610	27	1900
40	December	477,846	91,753	681	12	800
41	TOTAL	4,883,046	514,088			

Name of Respondent Duke Energy Kentucky, Inc.	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 04/17/2015	Year/Period of Report End of <u>2014/Q4</u>
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MONTHLY PEAKS AND OUTPUT

1. Report the monthly peak load and energy output. If the respondent has two or more power which are not physically integrated, furnish the required information for each non-integrated system.
2. Report in column (b) by month the system's output in Megawatt hours for each month.
3. Report in column (c) by month the non-requirements sales for resale. Include in the monthly amounts any energy losses associated with the sales.
4. Report in column (d) by month the system's monthly maximum megawatt load (60 minute integration) associated with the system.
5. Report in column (e) and (f) the specified information for each monthly peak load reported in column (d).

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 KSBA-DR-01-010
 Attachment
 Page 2 of 4

NAME OF SYSTEM:

Line No.	Month (a)	Total Monthly Energy (b)	Monthly Non-Requirements Sales for Resale & Associated Losses (c)	MONTHLY PEAK		
				Megawatts (See Instr. 4) (d)	Day of Month (e)	Hour (f)
29	January	454,843	18,048	860	6	2000
30	February	391,128	16,821	746	11	800
31	March	432,707	70,977	684	4	800
32	April	310,260	-187	554	16	700
33	May	349,015	-4	726	27	1700
34	June	438,537	30,024	816	18	1700
35	July	390,624	7,832	819	1	1700
36	August	423,520	2,734	837	27	1600
37	September	433,715	82,127	815	5	1600
38	October	377,259	49,504	632	2	1500
39	November	386,707	37,406	680	18	1900
40	December	449,777	70,328	638	17	1900
41	TOTAL	4,838,092	385,610			

Name of Respondent Duke Energy Kentucky, Inc.	This Report Is: (1) <input type="checkbox"/> An Original (2) <input checked="" type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 06/20/2016	Year/Period of Report End of 2015/Q4
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MONTHLY PEAKS AND OUTPUT

1. Report the monthly peak load and energy output. If the respondent has two or more power which are not physically integrated, furnish the required information for each non- integrated system.
2. Report in column (b) by month the system's output in Megawatt hours for each month.
3. Report in column (c) by month the non-requirements sales for resale. Include in the monthly amounts any energy losses associated with the sales.
4. Report in column (d) by month the system's monthly maximum megawatt load (60 minute integration) associated with the system.
5. Report in column (e) and (f) the specified information for each monthly peak load reported in column (d).

KyPSC Case No. 2017-00321
 KSBADR-01-010
 Attachment
 Page 3 of 4

NAME OF SYSTEM:

Line No.	Month (a)	Total Monthly Energy (b)	Monthly Non-Requirements Sales for Resale & Associated Losses (c)	MONTHLY PEAK		
				Megawatts (See Instr. 4) (d)	Day of Month (e)	Hour (f)
29	January	508,755	106,821	785	8	0800
30	February	470,887	79,474	799	20	0800
31	March	545,609	193,370	714	6	0800
32	April	441,691	154,899	515	13	2000
33	May	475,820	138,893	683	29	1700
34	June	502,129	126,784	778	23	1600
35	July	428,778	24,185	816	29	1400
36	August	402,959	15,491	746	10	1600
37	September	444,478	104,928	773	4	1600
38	October	386,915	91,947	554	8	1500
39	November	389,557	79,868	588	23	0800
40	December	414,161	127,836	544	18	1900
41	TOTAL	5,411,739	1,244,496			

Name of Respondent Duke Energy Kentucky, Inc.	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 04/13/2017	Year/Period of Report End of 2016/Q4
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MONTHLY PEAKS AND OUTPUT

1. Report the monthly peak load and energy output. If the respondent has two or more power which are not physically integrated, furnish the required information for each non-integrated system.
2. Report in column (b) by month the system's output in Megawatt hours for each month.
3. Report in column (c) by month the non-requirements sales for resale. Include in the monthly amounts any energy losses associated with the sales.
4. Report in column (d) by month the system's monthly maximum megawatt load (60 minute integration) associated with the system.
5. Report in column (e) and (f) the specified information for each monthly peak load reported in column (d).

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 KSBA-DR-01-010
 Attachment
 Page 4 of 4

NAME OF SYSTEM:

Line No.	Month (a)	Total Monthly Energy (b)	Monthly Non-Requirements Sales for Resale & Associated Losses (c)	MONTHLY PEAK		
				Megawatts (See Instr. 4) (d)	Day of Month (e)	Hour (f)
29	January	370,469	9,133	712	19	0800
30	February	328,832	2,760	679	10	2000
31	March	423,066	99,103	621	3	2000
32	April	311,737	-12,168	599	26	1600
33	May	366,529	28,662	717	31	1600
34	June	465,393	57,016	787	20	1600
35	July	447,071	12,056	847	25	1400
36	August	466,479	-505	844	11	1500
37	September	484,676	96,618	816	7	1500
38	October	421,574	94,421	637	6	1600
39	November	368,231	53,810	557	22	0800
40	December	514,682	132,882	705	15	0800
41	TOTAL	4,968,739	573,788			

**Duke Energy Kentucky
Case No. 2017-00321
Kentucky School Boards Association's First Set Data Requests
Date Received: October 26, 2017**

KSBA-DR-01-011

REQUEST:

Please provide FERC Form 1 page 401b information for 2017 through September.

RESPONSE:

See KSBA-DR-01-011 Attachment 1.

PERSON RESPONSIBLE: David L. Doss

Name of Respondent Duke Energy Kentucky, Inc.	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 11/21/2017	Year/Period of Report End of 2017/Q3
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MONTHLY PEAKS AND OUTPUT

(1) Report the monthly peak load and energy output. If the respondent has two or more power systems which are not physically integrated, furnish the required information for each non-integrated system. In quarter 1 report January, February, and March only. In quarter 2 report April, May, and June only. In quarter 3 report July, August, and September only.

(2) Report on column (b) by month the system's output in Megawatt hours for each month.

(3) Report on column (c) by month the non-requirements sales for resale. Include in the monthly amounts any energy losses associated with the sales.

(4) Report on column (d) by month the system's monthly maximum megawatt load (60 minute integration) associated with the system.

(5) Report on columns (e) and (f) the specified information for each monthly peak load reported on column (d).

(6) Report Monthly Peak Hours in military time; 0100 for 1:00 AM, 1200 for 12 AM, and 1830 for 6:30 PM, etc.

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 No. 2017-00321
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 DR-01-011
 Attachment
 Page 1 of 1

NAME OF SYSTEM:

Line No.	Month (a)	Total Monthly Energy (MWH) (b)	Monthly Non-Requirements Sales for Resale & Associated Losses (c)	MONTHLY PEAK		
				Megawatts (See Instr. 4) (d)	Day of Month (e)	Hour (f)
1	January	434,305	62,919	683	6	1900
2	February	367,045	54,891	623	9	2000
3	March	510,528	163,016	640	15	700
4	Total	1,311,878	280,826	1,946		
5	April	399,713	90,077	588	26	1600
6	May	382,355	41,308	698	19	1400
7	June	484,440	103,202	773	12	1600
8	Total	1,266,508	234,587	2,059		
9	July	446,461	13,107	805	19	1600
10	August	429,599	19,718	805	17	1400
11	September	463,622	118,048	738	21	1600
12	Total	1,339,682	150,873	2,348		

Duke Energy Kentucky
Case No. 2017-00321
Kentucky School Boards Association's First Set Data Requests
Date Received: October 26, 2017

KSBA-DR-01-012

REQUEST:

Please provide by SIC Code the number of customers on Rate DS separated by "Small and Medium" and "Large" consistent with Witness Ziolkowski Work Paper FR-16(7)(V) pages 40 and 41.

RESPONSE:

Not available. The load research samples do not contain accurate SIC information.

PERSON RESPONSIBLE: James E. Ziolkowski

Duke Energy Kentucky
Case No. 2017-00321
Kentucky School Boards Association's First Set Data Requests
Date Received: October 26, 2017

KSBA-DR-01-013

REQUEST:

Please reconcile present revenues as shown on FR16-(7)(v)-3 Prod Demand line 865 with Schedule M present revenues. (e.g. - RS: \$129,123,808 vs. \$120,391,018).

RESPONSE:

The two sets of numbers reflect different time periods and contain different rider dollars. They cannot be reconciled.

The Schedule M present revenues are for the base period and include all riders.

The present revenues appearing in FR16-(7)(v)-3 Prod Demand tab are test period revenues that exclude all riders except the Fuel Adjustment Clause.

PERSON RESPONSIBLE: James E. Ziolkowski

**Duke Energy Kentucky
Case No. 2017-00321
Kentucky School Boards Association's First Set Data Requests
Date Received: October 26, 2017**

KSBA-DR-01-014

REQUEST:

Please reconcile sales by rate class as shown on FR16-(7)(v) DS Sec - KW with Schedule M – 2.2 sales.

RESPONSE:

The sales do not reconcile since they represent different periods of time; calendar year 2016 vs forecasted test period sales respectively.

PERSON RESPONSIBLE: James E. Ziolkowski

Duke Energy Kentucky
Case No. 2017-00321
Kentucky School Boards Association's First Set Data Requests
Date Received: October 26, 2017

KSBA-DR-01-015

REQUEST:

In Schedule M-2.2 page 3 of 20 Column D (Sales) please provide the KW demand separated between metered and billed.

RESPONSE:

Schedule M-2.2 page 3 of 20 Column D contains billing determinants for KW demand. The KW demand values represent billed kW demand; not actual demand.

PERSON RESPONSIBLE: Bruce L. Sailors

Duke Energy Kentucky
Case No. 2017-00321
Kentucky School Boards Association's First Set Data Requests
Date Received: October 26, 2017

KSBA-DR-01-016

REQUEST:

Please provide the test period rate of return by rate classes on present rates.

RESPONSE:

<u>Rate Class</u>	<u>ROR</u>
Rate RS	0.98%
Rate DS	5.57%
Rate GS-FL	13.92%
Rate EH	-12.04%
Rate SP	9.26%
Rate DT - Secondary	4.15%
Rate DT-Primary	2.14%
Rate DP	-0.09%
Rate TT	3.80%
Lighting	1.19%
Other - Water Pumping	-16.01%

PERSON RESPONSIBLE: James E. Ziolkowski

Duke Energy Kentucky
Case No. 2017-00321
Kentucky School Boards Association's First Set Data Requests
Date Received: October 26, 2017

KSBA-DR-01-017 PUBLIC

REQUEST:

Please describe in detail the process for developing all forecast billing determinates by rate class and provide all related work papers, assumptions and documents.

RESPONSE:

CONFIDENTIAL PROPRIETARY TRADE SECRET (As to Attachments Only)

The forecast billing determinants by rate class are developed as follows:

1. Forecast monthly sales (kWh) are received from DEK's Forecasting group,
2. The monthly forecast sales to rate classes are allocated based on and/or derived from past monthly rate class sales.

In addition to files already provided in Staff-DR-01-071 and NKU-DR-01-001, Company provides a directory named KSBA-DR-01-017 CONFIDENTIAL Attachments containing CONFIDENTIAL work files (being filed under seal of a Petition for Confidential Treatment) and a directory named KSBA-DR-01-017 PUBLIC Attachments; all provided on CD. Work file names are preserved in order to determine linkages between files.

PERSON RESPONSIBLE: Bruce L. Sailors

KSBA-DR-01-017 PUBLIC
Attachments
BEING PROVIDED ON CD