

KENTUCKY POWER COMPANY
 FUEL REVENUE ALLOCATOR
 TEST YEAR ENDED JUNE 30, 2005

BILLED & ACCRUED kWh BY TARIFF		Revenue with <u>Annualized Fuel</u> 0.003915924	Year-End Fuel <u>Adjustment</u>	Revised Fuel <u>Revenue</u>
Tariff	Total			
RS	2,339,717,644	9,162,156.20	(103.19)	9,162,053
RS-LM-TOD	5,699,793	22,319.96	103.19	22,423
OL	40,839,034	159,922.55	0.00	159,923
SGS Metered Total	74,364,939	291,207.44	(32,510.13)	258,697
225 SGSTOD ON	25,630	100.37	23.05	123
SGS NM Total	3,247,859	12,718.37	0.00	12,718
214 MGS - AF	1,016,836	3,981.85	(172.70)	3,809
MGS-Sec Total	582,704,574	2,281,826.76	20,731.21	2,302,558
223 MGS LM ON	1,557,314	6,098.32	0.00	6,098
229 MGS-TOD	1,979,194	7,750.37	0.00	7,750
MGS-Pri	15,242,441	59,688.24	16,834.88	76,523
236 MGS-Sub	4,040,827	15,823.57	2,629.38	18,453
LGS-Sec	557,823,758	2,184,395.38	12,828.52	2,197,224
251 LGS-LM-TD	2,979,155	11,666.14	0.00	11,666
LGS-Pri	122,673,355	480,379.52	4,184.82	484,564
248 LGS-Sub	117,882,826	461,620.17	(5,053.31)	456,567
357 QPC PRI	1,285,982	5,035.81	0.00	5,036
358 QP PRI	245,280,353	960,499.19	(21,911.81)	938,587
QP-Sub	663,317,073	2,597,499.17	88,652.04	2,686,151
QP-Tran	35,434,724	138,759.68	0.00	138,760
CIP-TOD-Sub	1,979,496,378	7,751,557.14	(173,012.29)	7,578,545
CIP-TOD-Tran	223,923,254	876,866.42	86,784.18	963,651
SL	8,237,180	32,256.17	0.00	32,256
MW	7,250,584	28,392.74	(7.84)	28,385
Total Retail	7,036,020,707			27,552,520
887 Vanceberg	66,479,800			
888 Olive Hill	27,222,997			
Total Company	7,129,723,504			

Kentucky Power Company
Forfeited Discounts
Test Year Ended June 30, 2005

Tariff Cd	Net DPC & Forfeit Employee Disc
0	7,112.39
11	650.18
12	25.11
13	27.33
14	29.97
15	299,813.45
17	1,585.84
22	556,194.93
28	12.94
30	376.95
32	689.3
34	6.51
54	5.48
93	610.32
94	5,113.17
95	102.69
97	1,003.27
98	43.02
99	0.62
107	677.97
109	1,902.31
110	12.62
111	205.27
113	2,811.24
116	534.71
122	4.03
131	163.47
204	1,680.41
211	72,022.64
213	1,008.31
214	293.7
215	279,490.78
216	3,006.26
217	751.77
220	2,979.68
223	624.84
229	1,437.82
236	2,129.16
240	79,767.04
244	29,404.04
248	26,666.36
251	370.69
358	22,638.53
359	64,999.75
360	7,301.71
371	0
372	0
Total	1,476,288.58

**KENTUCKY POWER COMPANY
DEPOSIT BALANCES BY TARIFF AS OF JULY 19, 2005**

COMP	STATE	TARIFF	DEPOSIT_AMT
03	KY	000	5,639.97
03	KY	011	6,448.00
03	KY	012	434.00
03	KY	014	212.00
03	KY	015	2,636,019.54
03	KY	017	8,684.44
03	KY	022	5,033,015.70
03	KY	028	266.00
03	KY	030	3,682.00
03	KY	032	4,305.64
03	KY	034	98.00
03	KY	054	150.00
03	KY	093	3,277.00
03	KY	094	42,058.52
03	KY	095	346.00
03	KY	097	4,703.00
03	KY	098	175.82
03	KY	107	2,850.00
03	KY	109	5,759.00
03	KY	110	75.00
03	KY	111	874.00
03	KY	113	22,416.00
03	KY	116	575.00
03	KY	122	30.00
03	KY	131	1,116.00
03	KY	204	6,300.00
03	KY	211	278,391.78
03	KY	213	847.00
03	KY	214	995.00
03	KY	215	1,225,480.00
03	KY	216	17,982.00
03	KY	217	9,432.00
03	KY	220	164,134.00
03	KY	223	1,879.00
03	KY	225	125.00
03	KY	229	618.00
03	KY	236	17,768.00
03	KY	240	306,656.00
03	KY	242	8,000.00
03	KY	244	178,952.00
03	KY	248	95,323.00
03	KY	251	476.00
03	KY	358	190,574.00
03	KY	359	121,291.00
03	KY	360	76,084.00
03	KY	371	0.00
03	KY	372	150,000.00

10,634,518.41

Kentucky Power Company
Revenue Allocation Workpaper
Twelve Months Ended June 30, 2005

<u>Class</u> (1)	<u>Current Revenue</u> (2)	<u>Rate Base</u> (3)	<u>Current Income</u> (4)	<u>Current ROR %</u> (5)	<u>Percent Increase</u> (6)	<u>Proposed Revenue Increase/Decrease</u> (7)	<u>Proposed Income Increase/Decrease</u> (8)	<u>Total Proposed Income</u> (9)	<u>Proposed ROR %</u> (10)	<u>Proposed Sales Revenue</u> (11)
RS	130,089,965	437,647,617	(374,359)	-0.09%	27.30%	35,508,669	21,318,265	20,943,906	4.7855638%	165,598,634
SGS	6,396,711	14,341,548	1,102,513	7.69%	15.29%	977,925	587,115	1,689,628	11.7813502%	7,374,636
MGS - Sec	38,592,671	79,786,442	7,864,069	9.86%	13.38%	5,162,008	3,099,103	10,963,172	13.7406453%	43,754,679
- Pri	1,182,800	2,127,591	221,233	10.40%	10.01%	118,447	71,112	292,345	13.7406579%	1,301,247
- Sub	274,368	654,885	59,752	9.12%	18.35%	50,357	30,233	89,985	13.7405804%	324,725
MGS - Total	40,049,839	82,568,918	8,145,054	9.86%	13.31%	5,330,812	3,200,448	11,345,502	13.7406451%	45,380,651
LGS - Sec	29,626,898	71,439,132	3,929,662	5.50%	20.08%	5,949,183	3,571,698	7,501,360	10.5003515%	35,576,081
- Pri	6,732,294	13,220,943	1,219,262	9.22%	4.18%	281,467	168,984	1,388,246	10.5003554%	7,013,761
- Sub	5,280,071	10,521,755	813,481	7.73%	9.19%	485,269	291,340	1,104,821	10.5003490%	5,765,340
LGS - Total	41,639,263	95,181,830	5,962,405	6.26%	16.13%	6,715,919	4,032,022	9,994,427	10.5003518%	48,355,182
QP - Pri-C	93,253	119,528	29,662	24.82%	-29.26%	(27,283)	(16,380)	13,282	11.1120407%	65,970
- Pri	9,115,767	21,227,069	886,036	4.17%	26.91%	2,452,956	1,472,676	2,358,712	11.1118120%	11,568,723
- Sub	28,719,777	51,817,300	4,075,512	7.87%	9.76%	2,802,164	1,682,329	5,757,841	11.1118121%	31,521,941
- Tran	1,094,580	1,844,563	217,098	11.77%	-1.85%	(20,211)	(12,134)	204,964	11.1117918%	1,074,369
QP - Total	39,023,377	75,008,460	5,208,308	6.94%	13.34%	5,207,626	3,126,491	8,334,799	11.1118119%	44,231,003
CIP - Sub	64,892,680	121,969,768	5,984,912	4.91%	16.18%	10,500,975	6,304,448	12,289,360	10.0757427%	75,393,655
- Tran	9,291,975	11,250,892	1,731,812	15.39%	-10.72%	(996,391)	(598,201)	1,133,611	10.0757433%	8,295,584
CIP - Total	74,184,655	133,220,660	7,716,724	5.79%	12.81%	9,504,584	5,706,247	13,422,971	10.0757428%	83,689,239
MW	367,037	787,445	60,060	7.63%	14.65%	53,773	32,284	92,344	11.7270413%	420,810
OL	4,776,969	17,472,010	369,617	2.12%	28.33%	1,353,543	812,624	1,182,241	6.7664854%	6,130,512
SL	815,872	2,215,272	216,333	9.77%	17.57%	143,388	86,086	302,419	13.6515516%	959,260
TOTAL	337,343,688	858,443,760	28,406,655	3.31%	19.21%	64,796,239	38,901,582	67,308,237	7.8407276%	402,139,927

Gross Conversion Factor = 1.665645

KPSC Case No. 2005-00341
AG 1st Set Data Requests
Item No. 181
Page 22 of 22

Kentucky Power Company

REQUEST

Please provide the coincident peaks for each month in the test year for each of the nine rate classes found in the Cost of Service Study (Foust Exhibit LCF-1).

RESPONSE

Please see the attached 17 pages that show the monthly coincident peaks for each class/voltage level. See the response to KIUC Question No. 181 for the loss adjusted values.

WITNESS Larry C. Foust

KENTUCKY POWER COMPANY
 COST OF SERVICE LOAD STUDY
 PEAK/OFF-PEAK/TOTAL STATISTICS
 JULY 1, 2004 - JUNE 30, 2005
 KW

RESIDENTIAL - TOTAL

MONTH	TEST YEAR CUSTOMERS	COINCIDENT PEAK	NCP PEAK	NCP OFF-PEAK	NCP TOTAL	SNCP PEAK	SNCP OFF-PEAK	SNCP TOTAL
JULY	144037	432003	478156	430713	478156	1009058	958892	1062091
AUGUST	144066	454924	465009	451885	465009	921453	874482	971186
SEPTEMBER	144081	362142	456066	406588	456066	886136	887533	954623
OCTOBER	144158	222242	245338	330411	330411	830198	799403	896922
NOVEMBER	144360	394661	428186	386526	428186	866479	850456	935501
DECEMBER	144623	755311	755311	702431	755311	1217377	1180615	1275347
JANUARY	144900	792354	792354	786356	792354	1321103	1314951	1391849
FEBRUARY	144416	517534	532365	570078	570078	1115862	1115862	1189311
MARCH	145259	627997	648731	622689	648731	1272250	1174385	1310401
APRIL	144955	321903	341474	373501	373501	851291	921091	990892
MAY	144303	340556	378247	330094	378247	850385	807463	902696
JUNE	144342	362514	409573	427359	427359	733674	685504	769494
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TOTAL	1733500	5584141	5930810	5818631	6103409	11875266	11570637	12650313
AVERAGE	144458	465345				989606	964220	1054193
MAXIMUM		792354	792354	786356	792354	1321103	1314951	1391849
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ANNUAL SNCP						1332557	1314951	1391849

KENTUCKY POWER COMPANY
 COST OF SERVICE LOAD STUDY
 PEAK/OFF-PEAK/TOTAL STATISTICS
 JULY 1, 2004 - JUNE 30, 2005
 KW

YEAR-END SMALL GENERAL SERVICE

MONTH	TEST YEAR CUSTOMERS	COINCIDENT PEAK	NCP PEAK	NCP OFF-PEAK	NCP TOTAL	SNCP PEAK	SNCP OFF-PEAK	SNCP TOTAL
JULY	17678	10796	12686	11024	12686	28522	27997	32371
AUGUST	17716	13308	13617	11057	13617	27960	23602	29775
SEPTEMBER	17776	7487	16000	11282	16000	29250	27161	30469
OCTOBER	17801	5931	9431	8103	9431	23620	20861	26551
NOVEMBER	17783	8863	14408	10625	14408	36529	27814	37642
DECEMBER	17807	15417	20169	16147	20169	41205	33319	42782
JANUARY	17824	11854	20206	15586	20206	38801	34362	41268
FEBRUARY	17794	7404	17417	11705	17417	33705	31026	38923
MARCH	17955	10694	17941	13864	17941	36670	30826	38715
APRIL	18041	8995	12019	10351	12019	34295	22604	34919
MAY	18095	7885	22194	13659	22194	34848	32633	38983
JUNE	18211	11854	12527	9557	12527	26797	24025	28645
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TOTAL	214481	120488	188615	142960	188615	392202	336230	421043
AVERAGE	17873	10041				32684	28019	35087
MAXIMUM		15417	22194	16147	22194	41205	34362	42782
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ANNUAL SNCP						45894	43290	42782

KENTUCKY POWER COMPANY
 COST OF SERVICE LOAD STUDY
 PEAK/OFF-PEAK/TOTAL STATISTICS
 JULY 1, 2004 - JUNE 30, 2005
 KW

YEAR-END MUNICIPAL WATERWORKS

MONTH	TEST YEAR CUSTOMERS	COINCIDENT PEAK	NCP PEAK	NCP OFF-PEAK	NCP TOTAL	SNCP PEAK	SNCP OFF-PEAK	SNCP TOTAL
JULY	21	917	1085	1205	1205	1404	1528	1595
AUGUST	21	676	1110	1247	1247	1547	1648	1736
SEPTEMBER	21	976	1200	1130	1200	1512	1447	1524
OCTOBER	21	782	926	907	926	1139	1085	1157
NOVEMBER	21	929	1188	1111	1188	1650	1535	1660
DECEMBER	21	1014	1160	1115	1160	1525	1410	1535
JANUARY	21	812	1214	1239	1239	1439	1380	1455
FEBRUARY	21	843	1108	1007	1108	1247	1254	1283
MARCH	21	936	1181	1195	1195	1455	1433	1504
APRIL	20	883	1202	1089	1202	1340	1354	1415
MAY	21	1187	1187	1046	1187	1265	1223	1364
JUNE	21	742	1190	1295	1295	1427	1637	1740
TOTAL	251	10697	13751	13586	14152	16950	16934	17968
AVERAGE	21	891				1413	1411	1497
MAXIMUM		1187	1214	1295	1295	1650	1648	1740
ANNUAL SNCP						2095	1966	2039

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KENTUCKY POWER COMPANY
LOAD RESEARCH 12 CP DEMAND STATISTICS
JULY 1, 2004-JUNE 30, 2005

OUTDOOR LIGHTING - SEC

MONTH	NUMBER OF CUSTOMERS	COINCIDENT PEAK (CP)	NON- COINCIDENT PEAK (NCP)	COINCIDENCE FACTOR	SIGMA NON- COINCIDENT PEAK (SNCP)	SNCP DIVERSITY FACTOR
(1)	(2)	(3)	(4)	(5)=(3/4)	(6)	(7)=(6/3)
JULY	47,237	0	10,484	0.0000	10,484	0.00
AUGUST	47,160	0	11,317	0.0000	11,317	0.00
SEPTEMBER	47,234	0	10,314	0.0000	10,314	0.00
OCTOBER	47,346	0	11,138	0.0000	11,138	0.00
NOVEMBER	47,388	0	12,263	0.0000	12,263	0.00
DECEMBER	47,391	0	10,210	0.0000	10,210	0.00
JANUARY	47,467	0	8,014	0.0000	8,014	0.00
FEBRUARY	47,613	0	7,988	0.0000	7,988	0.00
MARCH	47,651	0	11,250	0.0000	11,250	0.00
APRIL	47,932	8,585	8,585	1.0000	8,585	1.00
MAY	47,810	0	11,061	0.0000	11,061	0.00
JUNE	47,896	0	9,785	0.0000	9,785	0.00
TOTAL	570,125	8,585	122,409	0.0701	122,409	14.26
AVERAGE	47,510	715	10,201	0.0701	10,201	14.26
MAXIMUM		8,585	12,263	0.7001	12,263	1.43
ANNUAL						

KENTUCKY POWER COMPANY
LOAD RESEARCH 12 CP DEMAND STATISTICS
JULY 1, 2004 - JUNE 30, 2005

STREET LIGHTING - SEC

MONTH	NUMBER OF CUSTOMERS	COINCIDENT PEAK (CP)	NON-COINCIDENT PEAK (NCP)	COINCIDENCE FACTOR	SIGMA NON-COINCIDENT PEAK (SNCP)	SNCP DIVERSITY FACTOR
(1)	(2)	(3)	(4)	(5)=(3/4)	(6)	(7)=(6/3)
JULY	54	0	2,050	0.0000	2,050	0.00
AUGUST	54	0	2,077	0.0000	2,077	0.00
SEPTEMBER	54	0	2,074	0.0000	2,074	0.00
OCTOBER	54	0	1,984	0.0000	1,984	0.00
NOVEMBER	54	0	2,073	0.0000	2,073	0.00
DECEMBER	54	0	2,066	0.0000	2,066	0.00
JANUARY	57	0	2,090	0.0000	2,090	0.00
FEBRUARY	55	0	2,064	0.0000	2,064	0.00
MARCH	55	0	2,057	0.0000	2,057	0.00
APRIL	55	2,025	2,025	1.0000	2,025	1.00
MAY	55	0	2,034	0.0000	2,034	0.00
JUNE	55	0	2,051	0.0000	2,051	0.00
TOTAL	656	2,025	24,645	0.0822	24,645	12.17
AVERAGE	55	169	2,054	0.0822	2,054	12.17
MAXIMUM ANNUAL		2,025	2,090	0.9689	2,090	1.03

KENTUCKY POWER COMPANY
 COST OF SERVICE LOAD STUDY
 PEAK/OFF-PEAK/TOTAL STATISTICS
 JULY 1, 2004 - JUNE 30, 2005
 KW

YEAR-END MGS - SECONDARY

MONTH	TEST YEAR CUSTOMERS	COINCIDENT PEAK	NCP PEAK	NCP OFF-PEAK	NCP TOTAL	SNCP PEAK	SNCP OFF-PEAK	SNCP TOTAL
JULY	11407	106949	110459	93389	110459	155847	134908	160334
AUGUST	11407	112409	116477	96894	116477	151517	137171	157314
SEPTEMBER	11403	95170	110098	99586	110098	157081	142193	162651
OCTOBER	11428	70576	94176	76263	94176	139887	119843	143474
NOVEMBER	11423	83584	93277	72381	93277	158259	133077	162289
DECEMBER	11437	105060	125290	89109	125290	176811	151437	181655
JANUARY	11491	99851	120451	94027	120451	173944	151594	178685
FEBRUARY	11454	86563	102728	92404	102728	162893	151233	169798
MARCH	11533	86337	109599	90675	109599	176470	148452	180424
APRIL	11465	63124	88934	78265	88934	146975	133676	151211
MAY	11472	89418	120535	74871	120535	148714	121563	151284
JUNE	11465	110891	119945	95040	119945	155590	134747	157050
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TOTAL	137385	1109932	1311969	1052904	1311969	1903988	1659894	1956169
AVERAGE	11449	92494				158666	138325	163014
MAXIMUM		112409	125290	99586	125290	176811	151594	181655
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ANNUAL SNCP						181107	177618	181655

KENTUCKY POWER COMPANY
 COST OF SERVICE LOAD STUDY
 PEAK/OFF-PEAK/TOTAL STATISTICS
 JULY 1, 2004 - JUNE 30, 2005
 KW

YEAR-END MGS - PRIMARY

MONTH	TEST YEAR CUSTOMERS	COINCIDENT PEAK	NCP PEAK	NCP OFF-PEAK	NCP TOTAL	SNCP PEAK	SNCP OFF-PEAK	SNCP TOTAL
JULY	82	2703	2792	2360	2792	3939	3410	4052
AUGUST	84	5344	5538	4607	5538	7203	6521	7479
SEPTEMBER	82	2805	3245	2935	3245	4630	4191	4794
OCTOBER	81	2512	3351	2714	3351	4978	4265	5106
NOVEMBER	79	3163	3530	2739	3530	5989	5036	6141
DECEMBER	84	4554	5431	3862	5431	7664	6564	7874
JANUARY	83	2836	3422	2671	3422	4941	4306	5076
FEBRUARY	85	3326	3948	3551	3948	6260	5812	6525
MARCH	84	2671	3644	3015	3644	5867	4936	5999
APRIL	84	1851	2608	2295	2608	4309	3920	4434
MAY	84	1845	2487	1545	2487	3068	2508	3121
JUNE	87	2790	3017	2391	3017	3914	3390	3951
TOTAL	999	36600	43013	34685	43013	62762	54859	64552
AVERAGE	85	3050				5230	4572	5379
MAXIMUM		5344	5538	4607	5538	7664	6564	7874
ANNUAL SNCP						7664	6564	7874

KENTUCKY POWER COMPANY
 COST OF SERVICE LOAD STUDY
 PEAK/OFF-PEAK/TOTAL STATISTICS
 JULY 1, 2004 - JUNE 30, 2005
 KW

YEAR-END MGS - SUBTRAN.

MONTH	TEST YEAR CUSTOMERS	COINCIDENT PEAK	NCP PEAK	NCP OFF-PEAK	NCP TOTAL	SNCP PEAK	SNCP OFF-PEAK	SNCP TOTAL
JULY	23	1338	1382	1169	1382	1950	1688	2006
AUGUST	23	1426	1477	1229	1477	1922	1740	1995
SEPTEMBER	23	1557	1801	1629	1801	2569	2326	2660
OCTOBER	23	1073	1432	1160	1432	2127	1823	2182
NOVEMBER	24	728	813	631	813	1379	1160	1414
DECEMBER	23	652	778	553	778	1098	941	1128
JANUARY	22	176	212	165	212	306	267	314
FEBRUARY	23	179	213	191	213	337	313	352
MARCH	21	399	506	419	506	815	686	833
APRIL	20	281	396	348	396	654	595	673
MAY	19	287	386	240	386	477	390	485
JUNE	20	1015	1098	870	1098	1424	1233	1438
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TOTAL	264	9111	10494	8604	10494	15058	13162	15480
AVERAGE	22	759				1255	1097	1290
MAXIMUM		1557	1801	1629	1801	2569	2326	2660
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ANNUAL SNCP						2569	2326	2660

KENTUCKY POWER COMPANY
 COST OF SERVICE LOAD STUDY
 PEAK/OFF-PEAK/TOTAL STATISTICS
 JULY 1, 2004 - JUNE 30, 2005
 KW

YEAR-END LGS - SECONDARY

MONTH	TEST YEAR CUSTOMERS	COINCIDENT PEAK	NCP PEAK	NCP OFF-PEAK	NCP TOTAL	SNCP PEAK	SNCP OFF-PEAK	SNCP TOTAL
JULY	698	84817	87853	69574	87853	105138	90773	106217
AUGUST	697	82313	104596	75739	104596	118525	95704	118859
SEPTEMBER	702	79368	107229	73580	107229	123551	100223	124699
OCTOBER	699	78432	90418	66439	90418	112840	89888	113433
NOVEMBER	700	100356	101383	80809	101383	125461	104317	126368
DECEMBER	701	108164	108164	96943	108164	128755	111991	129771
JANUARY	696	87267	101083	83708	101083	113462	101421	113810
FEBRUARY	705	89344	96459	78940	96459	114451	104317	115574
MARCH	697	100381	105732	89080	105732	127759	107825	128722
APRIL	701	61177	86952	66191	86952	107591	93332	111192
MAY	696	95772	104192	72080	104192	121919	100217	122678
JUNE	702	90513	101441	72579	101441	111012	95969	111557

TOTAL	8394	1057904	1195502	925662	1195502	1410464	1195977	1422880
AVERAGE	700	88159				117539	99665	118573
MAXIMUM		108164	108164	96943	108164	128755	111991	129771

ANNUAL SNCP						144609	144074	136164

KENTUCKY POWER COMPANY
 COST OF SERVICE LOAD STUDY
 PEAK/OFF-PEAK/TOTAL STATISTICS
 JULY 1, 2004 - JUNE 30, 2005
 KW

YEAR-END LGS - PRIMARY

MONTH	TEST YEAR CUSTOMERS	COINCIDENT PEAK	NCP PEAK	NCP OFF-PEAK	NCP TOTAL	SNCP PEAK	SNCP OFF-PEAK	SNCP TOTAL
JULY	103	18547	19211	15214	19211	22991	19849	23227
AUGUST	104	15899	20203	14630	20203	22894	18486	22959
SEPTEMBER	105	15167	20492	14061	20492	23611	19153	23830
OCTOBER	106	17735	20445	15023	20445	25515	20325	25649
NOVEMBER	108	24281	24529	19551	24529	30355	25239	30574
DECEMBER	102	25074	25074	22473	25074	29847	25961	30083
JANUARY	104	20391	23619	19559	23619	26511	23698	26592
FEBRUARY	101	20399	22023	18023	22023	26131	23818	26388
MARCH	102	24036	25317	21330	25317	30592	25819	30822
APRIL	101	11943	16974	12921	16974	21003	18220	21706
MAY	98	22324	24287	16802	24287	28419	23360	28596
JUNE	104	18214	20413	14605	20413	22339	19311	22448

TOTAL	1238	234010	262587	204192	262587	310208	263239	312874
AVERAGE	103	19501				25851	21937	26073
MAXIMUM		25074	25317	22473	25317	30592	25961	30822

ANNUAL SNCP						31731	31613	30822

KENTUCKY POWER COMPANY
 COST OF SERVICE LOAD STUDY
 PEAK/OFF-PEAK/TOTAL STATISTICS
 JULY 1, 2004 - JUNE 30, 2005
 KW

YEAR-END LGS - SUBTRAN.

MONTH	TEST YEAR CUSTOMERS	COINCIDENT PEAK	NCP PEAK	NCP OFF-PEAK	NCP TOTAL	SNCP PEAK	SNCP OFF-PEAK	SNCP TOTAL
JULY	61	8156	8448	6690	8448	10110	8729	10214
AUGUST	60	14547	18485	13385	18485	20947	16914	21006
SEPTEMBER	58	14277	19288	13235	19288	22224	18028	22431
OCTOBER	58	16870	19448	14290	19448	24270	19334	24398
NOVEMBER	61	21646	21867	17430	21867	27061	22500	27256
DECEMBER	61	22458	22458	20128	22458	26733	23253	26944
JANUARY	63	19998	23164	19182	23164	26000	23241	26080
FEBRUARY	61	20705	22354	18294	22354	26524	24175	26784
MARCH	59	25338	26689	22486	26689	32249	27217	32492
APRIL	58	15312	21763	16567	21763	26929	23360	27830
MAY	62	23028	25052	17331	25052	29314	24096	29497
JUNE	60	17527	19643	14054	19643	21496	18583	21601
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TOTAL	722	219862	248659	193072	248659	293857	249430	296533
AVERAGE	60	18322				24488	20786	24711
MAXIMUM		25338	26689	22486	26689	32249	27217	32492
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ANNUAL SNCP						32249	29779	32492

KENTUCKY POWER COMPANY.
 COST OF SERVICE LOAD STUDY
 PEAK/OFF-PEAK/TOTAL STATISTICS
 JULY 1, 2004 - JUNE 30, 2005
 KW

QUANTITY POWER - PRI-C

MONTH	TEST YEAR CUSTOMERS	COINCIDENT PEAK	NCP PEAK	NCP OFF-PEAK	NCP TOTAL	SNCP PEAK	SNCP OFF-PEAK	SNCP TOTAL
JULY	1	109	273	253	273	273	253	273
AUGUST	1	91	239	245	245	239	245	245
SEPTEMBER	1	84	275	250	275	275	250	275
OCTOBER	1	224	308	311	311	308	311	311
NOVEMBER	1	87	180	166	180	180	166	180
DECEMBER	1	292	411	367	411	411	367	411
JANUARY	1	182	375	369	375	375	369	375
FEBRUARY	1	168	337	334	337	337	334	337
MARCH	1	262	353	362	362	353	362	362
APRIL	1	27	331	328	331	331	328	331
MAY	1	242	372	363	372	372	363	372
JUNE	1	194	338	335	338	338	335	338
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TOTAL	12	1962	3792	3683	3810	3792	3683	3810
AVERAGE	1	164				316	307	318
MAXIMUM		292	411	369	411	411	369	411
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ANNUAL SNCP						411	369	411

KENTUCKY POWER COMPANY
 COST OF SERVICE LOAD STUDY
 PEAK/OFF-PEAK/TOTAL STATISTICS
 JULY 1, 2004 - JUNE 30, 2005
 KW

YEAR-END QUANTITY POWER - PRIMARY

MONTH	TEST YEAR CUSTOMERS	COINCIDENT PEAK	NCP PEAK	NCP OFF-PEAK	NCP TOTAL	SNCP PEAK	SNCP OFF-PEAK	SNCP TOTAL
JULY	30	33744	36868	33486	36868	41622	39386	41983
AUGUST	30	35203	37309	34112	37309	42702	39849	42958
SEPTEMBER	30	28505	34363	31149	34363	38404	36234	38760
OCTOBER	31	31519	38601	33606	38601	42546	40307	42841
NOVEMBER	30	36271	41610	36734	41610	47308	44450	47635
DECEMBER	31	31105	37352	34231	37352	43711	41264	43862
JANUARY	30	29235	31910	29259	31910	36871	35040	37410
FEBRUARY	32	32142	34019	31936	34019	39470	37563	39915
MARCH	30	36627	39164	34990	39164	45019	42991	45675
APRIL	30	16436	23159	20988	23159	27035	24835	27298
MAY	28	31464	34283	29804	34283	39979	36625	40125
JUNE	28	33253	38373	34467	38373	43217	39440	43409
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TOTAL	360	375504	427011	384762	427011	487884	457984	491871
AVERAGE	30	31292				40657	38165	40989
MAXIMUM		36627	41610	36734	41610	47308	44450	47635
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ANNUAL SNCP						47308	46342	47635

KENTUCKY POWER COMPANY
 COST OF SERVICE-LOAD STUDY
 PEAK/OFF-PEAK/TOTAL STATISTICS
 JULY 1, 2004 - JUNE 30, 2005
 KW

YEAR-END QP - SUBTRANSMISSION

MONTH	TEST YEAR CUSTOMERS	COINCIDENT PEAK	NCP PEAK	NCP OFF-PEAK	NCP TOTAL	SNCP PEAK	SNCP OFF-PEAK	SNCP TOTAL
JULY	51	96173	102173	92363	102173	120744	114846	121211
AUGUST	52	87440	103342	92011	103342	119003	113967	119482
SEPTEMBER	53	84369	95011	87407	95011	112403	106557	112887
OCTOBER	52	96974	107483	96862	107483	125732	119962	126563
NOVEMBER	50	115237	122381	111124	122381	143938	135698	144206
DECEMBER	50	98447	118028	110217	118028	140476	133295	140861
JANUARY	50	76841	92509	84722	92509	109500	106230	110262
FEBRUARY	50	98035	111794	99355	111794	131677	124282	132226
MARCH	51	103634	113730	105323	113730	133056	126591	133502
APRIL	50	88122	117166	107003	117166	141259	135956	144513
MAY	54	114735	119595	111422	119595	142044	133009	142417
JUNE	53	106125	117802	104187	117802	137124	129579	137324
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TOTAL	616	1166132	1321014	1201996	1321014	1556956	1479972	1565454
AVERAGE	51	97178				129746	123331	130455
MAXIMUM		115237	122381	111422	122381	143938	135956	144513
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ANNUAL SNCP						147010	146341	144513

KENTUCKY POWER COMPANY
 COST OF SERVICE LOAD STUDY
 PEAK/OFF-PEAK/TOTAL STATISTICS
 JULY 1, 2004 - JUNE 30, 2005
 KW

QUANTITY POWER - TRANSMISSION

MONTH	TEST YEAR CUSTOMERS	COINCIDENT PEAK	NCP PEAK	NCP OFF-PEAK	NCP TOTAL	SNCP PEAK	SNCP OFF-PEAK	SNCP TOTAL
JULY	3	5594	7597	7183	7597	8443	7537	8462
AUGUST	3	4576	9438	8653	9438	10075	9253	10115
SEPTEMBER	3	4585	8077	7680	8077	9165	8548	9165
OCTOBER	3	2083	4202	3963	4202	4294	4174	4306
NOVEMBER	2	4763	5060	4732	5060	5255	4950	5255
DECEMBER	3	4227	5518	5502	5518	6165	5961	6214
JANUARY	3	4707	6177	6027	6177	6756	6538	6896
FEBRUARY	3	7238	7951	7466	7951	8634	7751	8634
MARCH	3	4348	4929	4555	4929	5974	5238	5974
APRIL	2	2829	4340	4342	4342	4603	4496	4603
MAY	2	4800	5664	4897	5664	5722	5053	5722
JUNE	2	4149	4611	4389	4611	5036	4594	5037
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TOTAL	32	53899	73564	69389	73566	80122	74093	80383
AVERAGE	3	4492				6677	6174	6699
MAXIMUM		7238	9438	8653	9438	10075	9253	10115
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ANNUAL SNCP						10075	9515	10115

KENTUCKY POWER COMPANY
 COST OF SERVICE LOAD STUDY
 PEAK/OFF-PEAK/TOTAL STATISTICS
 JULY 1, 2004 - JUNE 30, 2005
 KW

YEAR-END CIP - SUBTRAN

MONTH	TEST YEAR CUSTOMERS	COINCIDENT PEAK	NCP PEAK	NCP OFF-PEAK	NCP TOTAL	SNCP PEAK	SNCP OFF-PEAK	SNCP TOTAL
JULY	11	226822	242687	240399	242687	260806	261131	266449
AUGUST	11	220927	240174	237650	240174	254332	251767	257057
SEPTEMBER	11	232293	235837	231702	235837	253800	250904	257127
OCTOBER	11	218485	243108	241409	243108	256325	254640	260471
NOVEMBER	11	241014	253680	254061	254061	271680	269293	275257
DECEMBER	10	218792	240689	231816	240689	254583	252648	258048
JANUARY	12	233898	248734	244105	248734	271025	264396	274163
FEBRUARY	10	238723	252442	251804	252442	278381	275964	281742
MARCH	12	198557	229117	230181	230181	248031	246457	251718
APRIL	11	241102	249828	251128	251128	268886	267802	272605
MAY	11	226405	247156	244151	247156	262999	259580	265982
JUNE	12	256529	272234	269747	272234	289126	285198	292609
TOTAL	133	2753547	2955686	2928153	2958431	3169974	3139780	3213228
AVERAGE	11	229462				264165	261648	267769
MAXIMUM		256529	272234	269747	272234	289126	285198	292609
ANNUAL SNCP						289126	285198	292609

KENTUCKY POWER COMPANY
 COST OF SERVICE LOAD STUDY
 PEAK/OFF-PEAK/TOTAL STATISTICS
 JULY 1, 2004 - JUNE 30, 2005
 KW

YEAR-END CIP - TRANSMISSION

MONTH	TEST YEAR CUSTOMERS	COINCIDENT PEAK	NCP PEAK	NCP OFF-PEAK	NCP TOTAL	SNCPEAK	SNCPEAK OFF-PEAK	SNCPEAK TOTAL
JULY	3	25030	25946	40758	40758	29905	46114	46271
AUGUST	3	24107	25462	43441	43441	28433	46171	46474
SEPTEMBER	3	22390	42772	40263	42772	44337	42288	44363
OCTOBER	3	37283	46034	44869	46034	47683	46959	47683
NOVEMBER	3	40256	51878	47037	51878	52022	52022	52969
DECEMBER	4	24905	45962	44838	45962	48523	48076	48659
JANUARY	4	25065	43734	42465	43734	44690	46730	46806
FEBRUARY	4	26242	43535	45507	45507	39395	49066	49206
MARCH	2	17816	42819	45185	45185	38708	48537	48674
APRIL	3	27112	37878	46367	46367	39835	48509	48602
MAY	3	20864	35378	42021	42021	37073	44144	44278
JUNE	3	24388	41591	48136	48136	42930	52608	52738
TOTAL	38	315458	482989	530887	541795	494329	571224	576723
AVERAGE	3	26288				41194	47602	48060
MAXIMUM		40256	51878	48136	51878	52817	52608	52969
ANNUAL SNCP						52817	52608	52969

Kentucky Power Company

REQUEST

Please provide the non-coincident peaks for each month in the test year for each of the nine rate classes found in the Cost of Service Study (Foust Exhibit LCF-1).

RESPONSE

Please see the response to the Attorney General's Question No. 182 which includes the monthly non-coincident peaks for each class/voltage level.

WITNESS Larry C. Foust

Kentucky Power Company

REQUEST

Please refer to lines 16 through 18 on page 12 of Mr. Foust's testimony. He states that Forfeited Discounts were assigned based on customer records, while Miscellaneous service revenues were allocated based on distribution electric plant in service.

- a. Please explain the choice of distribution electric plant in service as the basis of the Miscellaneous service revenues allocation.
- b. Why were the figures from accounting records not used for the Miscellaneous service revenues allocation, as was done with Forfeited Discounts?
- c. Please provide the amount of Miscellaneous service revenues that were collected from each rate class during the test year.

RESPONSE

- a. The cost incurred to produce the revenue includes both customer and distribution related costs, which are not separately identified or assigned. Distribution electric plant in service includes components which are allocated on customer and distribution factors.
- b. All forfeited discounts are recorded in the Company's customer accounting records and therefore can be matched to each of the rate classes. Miscellaneous service revenues include, among other revenues, charges for distribution temporary service which are initially recorded in account 185, Temporary Facilities. The net credit or debit in account 185 resulting from the cost of temporary facilities, payments received from customers and net salvage realized is cleared to account 451, Miscellaneous service revenues and is not identified by rate class.
- c. As explained in responses to a. and b. above, not all miscellaneous service revenues are identified by rate class, nor are the associated costs.

WITNESS **Larry C. Foust**

Kentucky Power Company

REQUEST

On page 12 of Mr. Bethel's testimony, he discusses RTO start-up costs associated with AEP's participation in MISO, Alliance, and PJM, as \$17.2 million, of which \$1.07 million was allocated to Kentucky Power. Please provide a breakdown of these costs into the amount associated with each of the three RTOs.

RESPONSE

A breakdown of the RTO start-up costs associated with AEP's participation in MISO, Alliance and PJM of \$17.2 million (of which \$1.07 million was allocated to Kentucky Power) is shown below:

<u>RTO</u>	<u>AEP</u>	<u>KPC</u>
MISO	\$ 2,648,777.85	\$ 116,263.11
Alliance	7,910,058.19	522,946.52
PJM (other than PJM billed Expansion)	2,928,509.29	210,547.21
Carrying Charges	<u>3,728,546.42</u>	<u>216,935.45</u>
Total	\$17,215,891.74	\$1,066,692.29

WITNESS Dennis W. Bethel

Kentucky Power Company

REQUEST

Please provide Mr. Roush's Exhibit DMR-2 in an electronic format.

RESPONSE

Please see the Company's response to KIUC Request No. 99.

WITNESS David M. Roush

Kentucky Power Company

REQUEST

On pages 8-10 of Mr. Roush's testimony, he proposes adding a 60% ratchet demand to replace contracts for smaller customers in the MGS and LGS classes:

- a. Please explain the relationship between eliminating a contract for smaller customers and the use of a ratchet provision in rates.
- b. Would the proposed 60% ratchet be applied to all MGS and LGS customers, or just to those without a contract? If it is to be applied to all customers in this class, please explain why it would be needed for customers with contracts.
- c. Please provide all calculations, assumptions, and workpapers, including calculations from the Cost of Service Study, that justify establishing a ratchet at a 60% level.

RESPONSE

- a. Previous high billing demand serves as a substitute for contract capacity in the ratchet provision for smaller customers.
- b. The provision would be applicable to all customers. For customers with contracts, executing new agreements can be a lengthy process. For example, getting all needed customer approvals can take some time, particularly with customers having international corporate headquarters.
- c. A form of 60% ratchet is included in existing tariffs L.G.S., Q.P., C.I.P.-T.O.D. and the industrial and coal mining provision of M.G.S. The underlying basis for such a ratchet is a recognition that the Company makes significant investments in both local and non-local facilities to serve a customer. The ratchet provision provides some reassurance of recovery of that investment to protect the interest of the other ratepayers.

WITNESS **David M. Roush**

Kentucky Power Company

REQUEST

Please provide all calculations, assumptions, and workpapers used to develop the proposed increases in non-recurring charges.

RESPONSE

All of the calculations, assumptions and workpapers used to develop the proposed increase in non-recurring charges are included on pages 48 through 53 of witness Wagner's testimony and on Exhibits EKW-7 through EKW-9.

WITNESS Errol K. Wagner

Kentucky Power Company

REQUEST

In this case, Kentucky Power has proposed to increase reconnection charges between 200% and 300%, and meter check charges by almost 600%. Please explain how these proposed increases are consistent with the principles of continuity and gradualism used by the Kentucky Public Service Commission.

RESPONSE

The Company's current miscellaneous charges were established in Case No. 7164 with an effective date of December 20, 1978. The Company did request an increase in Case No. 91-066, however, during the settlement process the parties, including the Kentucky Attorney General, did not want to increase the miscellaneous charges.

The Company is well aware of the fact that the Kentucky Public Service Commission must balance the principles of continuity and gradualism with the principle of cost-to-cost causers in establishing customer's charges.

WITNESS Errol K. Wagner

Kentucky Power Company

REQUEST

On page 49 of his testimony, Mr. Wagner states that the methodology he has proposed for non-recurring charges is consistent with the methodology proposed in the last two Kentucky Power rate cases. For each of these two cases, please provide:

- a. The non-recurring charges in place when the case was filed.
- b. The proposed increase by Kentucky Power for each non-recurring charge.
- c. The amount of increase the Commission approved for each charge.

RESPONSE

Witness Wagner states at page 49, line 17 of his testimony "The methodology used to determine the Special Charges is the same methodology that was used in Case Nos. 7164 and 91-066".

- a. At the time Case No. 7164 was filed (July 3, 1978), the only non-recurring charge in effect was a bad check charge of \$3.00. At the time Case No. 91-066 was filed (March 5, 1991), the current non-recurring charges were in effect.
- b. The increase proposed by the Company for each non-recurring charge was as follows:

Type of Charge	Case No. 7164	Case No. 91-066
Regular	\$9.00	\$14.00
O.T.	\$12.00	\$16.00
Call-Out	\$25.00	\$37.00
Sun/Holi	\$31.00	\$47.00
Trip Charge	\$6.00	\$9.00
Bad Check	\$5.00	\$8.00

- c. The non-recurring charges established and approved in Case No. 7164 are also the current rates in effect. As stated above, due to the settlement agreement in Case No. 91-066, the non-recurring charges were not increased. It should be noted that Case No. 91-066 was a rate decrease.

WITNESS Errol K. Wagner

Kentucky Power Company

REQUEST

Please provide Mr. Wagner's Exhibits EKW-7, EKW-8, and EKW-9 in an electronic format.

RESPONSE

Please see KIUC-1st Set, Item No. 15.

WITNESS Errol K. Wagner

Kentucky Power Company

REQUEST

Please refer to Volume I, Section II, Application Exhibit-A, page 30 of 352.

- a. Part of the reason for the proposed rate increase is an increase in the share of pool costs Kentucky Power will experience as a result of capacity additions by other pool members. Please explain why, when the cost of Kentucky Power's purchase of capacity under the pool agreement is going up, the Company is proposing to reduce the amount it will pay for capacity from COGEN/SPP suppliers.
- b. Please supply all calculations, assumptions, and workpapers used to calculate the proposed COGEN/SPP capacity rates.

RESPONSE

- a. While not agreeing to the premise of the question, the Company's proposed capacity payment for COGEN/SPP customers is based upon the current avoided cost of a peaking generator.
- b. Please see the Company's response to Commission Staff-1st Set, Request No. 8-c, pages 46 through 54.

WITNESS **David M. Roush**

Kentucky Power Company

REQUEST

Please refer to Volume II, Section III, page 34 of 373. Kentucky Power is proposing to use a declining block rate structure for the Residential class.

- a. Please provide all calculations, assumptions, and workpapers used to calculate this two tier rate structure.
- b. Please provide calculations for the cost of service study that justify the declining block rate structure proposed.

RESPONSE

a. & b. Please see the Company's response to Commission Staff Request No. 67 and Commission Staff-1st Set, Request No. 8-c, pages 8 through 10.

WITNESS David M. Roush

Kentucky Power Company

REQUEST

Please refer to Volume II, Section III, page 34 of 373, concerning Kentucky Power's discounted rate for Storage Water Heating for the Residential class.

- a. Please provide all calculations, assumptions, and workpapers used to calculate this discounted rate.
- b. Please provide calculations for the cost of service study that justify offering this discount rate at this level for Storage Water Heating.

RESPONSE

- a. & b. The Company's rate for storage water heating is an off-peak rate not a discounted rate. Please see the Company's response to Commission Staff-1st Set, Request No. 8-c, pages 8 through 10.

WITNESS David M. Roush

Kentucky Power Company

REQUEST

Please refer to Volume II, Section III, page 35 of 373. Kentucky Power is proposing time-of-day rates for the Residential class.

- a. Please provide all calculations, assumptions, and workpapers used to calculate this time-of-day rate structure.
- b. Please provide calculations for the cost of service study that justify the time-of-day rates at the levels proposed.

RESPONSE

- a. & b. Please see the Company's response to Commission Staff-1st Set, Request No. 8-c, pages 8 through 10.

WITNESS **David M. Roush**

