STITES & HARBISON PLLC

ATTORNEYS

June 30, 2011

Jeff R. Derouen

P.O. Box 615

Executive Director

421 West Main Street Post Office Box 634 Frankfort, KY 40602-0634 [502] 223-3477 [502] 223-4124 Fax www.stites.com

Mark R. Overstreet

moverstreet@stites.com

(502) 209-1219 (502) 223-4387 FAX

RECEIVED

HAND DELIVERED

Public Service Commission 211 Sower Boulevard

Frankfort, KY 40602-0615

JUN **30** 2011

PUBLIC SERVICE COMMISSION

RE: Application of Kentucky Power Company for an Order Approving a Pilot Real-Time Pricing Program for Large Commercial and Industrial Customers, P.S.C. Case No. 2007-00166

Dear Mr. Derouen:

Enclosed please find the original and ten copies of Kentucky Power Company's June 30, 2010 Annual Report in the above matter. A copy is being served on the Attorney General and counsel for Kentucky Industrial Utility Customers, Inc.

Please do not hesitate to contact me if you have any questions. Ver/v)truly y ours: lank R. O

cc: Michael Kurtz Dennis G. Howard, II

COMMONWEALTH OF KENTUCKY

BEFORE THE

PUBLIC SERVICE COMMISSION OF KENTUCKY

RECEIVED

JUN 30 2011

IN THE MATTER OF:

PUBLIC SERVICE COMMISSION

APPLICATION OF KENTUCKY POWER COMPANYFOR AN ORDER APPROVING A PILOT REAL-TIMEPRICING PROGRAM FOR LARGE COMMERICALAND INDUSTRIAL CUSTOMERS

ANNUAL REPORT OF KENTUCKY POWER COMPANY

TO COMMISSION ORDER DATED FEBRUARY 1, 2008

June 30, 2011

KPSC Case No. 2007-00166 2011 Annual Report Order Dated February 1, 2008 Item No. 1 Page 1 of 2

Kentucky Power Company

REQUEST

Show the range and frequency of hourly integrated AEP-zone Locational Marginal Price (LMP) for a 12-month period.

RESPONSE

Attached as Page 2 of 2 is a summary of the AEP-zone Real-Time LMP for the forty eight month period ending May 31, 2011. This summary shows, for each month, the high, low and average price and the price range. The attachment also shows the number of hours during the month the Real-Time LMP price fell into the price ranges shown on the schedule.

SUMMARY - REAL TIME LMP June 2007 through May 2011

	Total	720	744	720	744	721	744	744	090	720	120	720	744	744	720	744	721	744	744	672 - 10	/43	120	720	744	744	720	744	721	744	677 677	743	720	744	720	744	720	744	721	744	744	672	720	744	+++	35,064 731	2		
	> \$100	14	14	28 28	24	16	35	33	46	69	5	00 180	179	67	42	0	17	18	16	ω.	4 (10) ~	. 0	0	~~	2	74 7	t v.	00	ъ	6	34	9 6	1 C	. ~	24		6 1	~ u	0 ¥6	00	1,230 26	4		
	<u>\$90 to \$100</u>	27	20	++ +-	27	19	15	25	37	32	38	11	46 46	20	25	ю	ъ	10	7	2	œ (- 0	10	0	0	ი :	8.	V ~		2	9	16	4	20	I က	7	7	с л (2	0 1	/	610	2		
	\$80 to \$90	31	3 33	20	40	35	30	40	37	56	38	22	00 AF	24	32	20	13	22	19	9	<u>ں</u>	N -	C	n ⊂	50	1 1	-	0	10	55	4 +	- ന	2	16	13	07.		1 ന	16	8	9	ں ص	°,	13	873	0		
Frequency Distribution (Number of Hours Where LMP is:)	<u>\$70 to \$80</u>	39	59	20	68	44	36	51	62	74	65 20	22	ο ο α	20	20	33	38	28	30		o -	~ (CJ F			- 4	·	2	12	26	[4	n e	13	15	42	° 59	0 7	r eo	18	17	9	2	1 <u>5</u>	16	1,219	27		
of Hours Wh	\$60 to \$70	41	64	96 75	80	45	65	62	73	74	82	22	10	77 77	59	52	30	50	42	26	19	æ !	13 13	<u>0</u> ,	7 V	2 0	14	9	26		97 97	2 0	17	49	63	40	<u></u> 2 ч	, L	31	20	10	œ	29	26	1,690	00		
(Number o	\$50 to \$60	75	86	53 66	86 86	80	72	64	76	85	83	09	00	6.6	- 80	101	66	74	76	32	40	13	28	92 9	- 6	47 C	21	19	56	99	46	N2 20	45	64	83	82	D2 ¢	°. 8	55	50	27	32	43	46	2,537	53		
Distribution	\$40 to \$50	70	22	92	127	95	87	94	94	131	81	102	11	007	110	172	156	149	260	102	82	62	67	09	80	34.0	22	46	122	110	135	0) 75	5 8	133	140	127	00 0	0 7 7	144	143	82	73	103	108	4,713	98		
Frequency	\$30 to \$40	119	104	134	124	149	149	185	184	184	172	162	123	971	140	264	315	280	283	378	350	293	263	199	612 7	R/1	506	180	240	302	389	309	204 254	206	160	211	214	202	324	414	397	442	346	305	11,284	235		
	520 to \$30	198	213	117	412 163	213	233	164	77	35	06	127	19		+C	18	68	91	2	94	204	320	322	337	422	4173	411	449	266	131	56	299	282 764	209	175	182	339	313	120	72	128	155	155	176	9,509	198		
	\$10 to \$20	52	37	18	5 7 7	20	1 =	15	9	0	9	55	25	24	18		<u></u> ~	11	ი	3	11	15	25	21	82	45 42	5 2	18		ŝ	0	9;	5 ¢	1 n	11	8	52	1/		1	ы	9	6	6	743	15		
	< \$10	54	37	<u>5</u>	ფ≁	- v.	, ⊑	11	4	ო	14	52	28	42	0 5	с С	с vr) (· •	. rð	10	9	22	38	32	11	<u>5</u> ~	r 0	****	ი	0	с , (۹ ç	<u></u> 2 ~	7	8	21	C1 U	0 ~	-, c	. 0	ŝ	7	33	656	14		
	Average §	40.40	43.66	60.28	42.49 52 10	45.14	46.32	49.13	55.41	59.81	55.43	46.05	71.80	65.71	56.33	40.05	44.04	44.48	47.23	39.81	36.47	31.66	31.94	31.14	28.46	30.21	20.65	30.33	38.20	44.81	40.13	33.33	32.84	40.94	47.69	44.81	32.15	31.16	00./9 12.95	41 48	37.60	36.48	38.68	46.35	,	\$42.42	1 1	
	Range £	246 99	207.63	264.49	271.70 480 77	160.03	229.15	263.90	235.76	196.96	275.65	245.35	540.70	318.65	322.36								92.58		166.81	146.94	90.0E	156.70				134.00		161 24			150.53	91.91	140.99 778 86				126.82	794.67		_	0	
	l∾ ≪ Lo≪	(1) (1)	(46.48)	(20.80)	(73.14)	10/1	(13.07)	(5.78)	(2.46)	(12.86)	(17.17)	(45.04)	(76.59)	(92.98)	(42.93)	(134.04)	(01.02)	(31.81)	(13.34)	(13.93)	(8.97)	2.79	(16.0)	(118.78)	(72.15)	(42.95)	(12.18)	11.38	(14.35)	(12.05)	25,08	(68.21)	(22.99)	(72.02)			(8.05)	(0.51)			14.65				ı) (\$24.36)) (\$134.64)	
	High High	154 98	161.15	243.69	198.55	4/0.03 07 07	216.07	258.12	233.30	184.10	258.48	200.30	464.10	225.67	279.43	278.22	10.501	197 94	147 15	155.07	174.06	86.24	91.68	102.86	94.66	104.00	85.99	168 08	154.62	217.15	139.65	116.11	95.16	151.74	219.60	309.71	142.48	91.41	148.83	191.40	180.44	180.45	133.63	789.69	I		\$789.69 -	
	<u>Year - Month</u>	line-07	Jul-07	Aug-07	Sep-07	No: 07	Dec-07	.lan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-U8	Uct-U8	00-700		Feh-09	Mar-09	Apr-09	May-09	Jun-09	00-JuL	Aug-09	Sep-09	Nov-D9	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Feb-11	Mar-11	Apr-11	May-11	Total	Average	Maximum	IVIIIIIIII

KPSC Case No. 2007-00166 2011 Annual Report Order Dated February 1, 2008 Item No. 2 Page 1 of 1

Kentucky Power Company

REQUEST

Show the range and frequency of the customer's 15-minute usage profile.

RESPONSE

The Company does not have and has never had any customers on the Experimental Real-Time Pricing (RTP) Tariff.

KPSC Case No. 2007-00166 2011 Annual Report Order Dated February 1, 2008 Item No. 3 Page 1 of 2

Kentucky Power Company

REQUEST

Show the variance of day-ahead and real-time AEP-zone LMP.

RESPONSE

Attached as Page 2 of 2 is a schedule showing the difference between AEP's Real-Time LMP versus the Day-Ahead LMP for each of the forty eight months for the period ending May 31, 2011. The schedule shows the monthly high and low along with the average difference for the month. The schedule also shows the number of hours of each month that the variance fell into the indicated ranges. As shown on the schedule the average difference for the forty eight month period was \$0.28 per MWh or \$0.00028 per kWh.

SUMMARY - DIFFERENCE BETWEEN REAL TIME LMP AND DAY-AHEAD LMP June 2007 through May 2011

																																	•	ug		01												
		Total	720	744	720	744	721	744	744	080	0647	744	720	744	744	720	744	721	744	744	279	720	744	720	744	744	720	704	744	744	672	743	720	720	744	744	720	744	721	744	144 670	743	720	744	35.064	731		
		> \$45	۲ - ۱	- 66	2	15	1	17	19	87 6	40 81	33	54	20	13	20	0	ω	ю I		ۍ <u>م</u>	° c	1 01	1 (1)	-	5	(, C	- 0	19	ŝ	Ω	€1 0	• 5	21	14	ი	ო	ი [2 0	⊃ ç	4 ∞) ~	34	549	+		
	Day Ahead	\$35 to \$45	ى م	nα	12	10	16	17	4	2) 0	10	<u>5</u>	26	13	10	15	7	÷ ۵	<u>5</u>	თ.	4 ٢	~ 0	00	9	~	с	0 0	N +	- @	12	،	ო	n n	- u	15	6	0	7	ഹം	ъţ	7 -	- 9	ი თ	סס	429	G		
	Real Time Higher Than Day Ahead	\$15 to \$25 \$25 to \$35 \$35 to \$45	15	76	19	22	26	29	5 5	17	4 C	3 F	36	29	32	27	13	13	24	33	20	n ~	r თ	8	7	4	4	c	с С	19	8	9	ъć	5 6	16	13	12	ស	0;	<u>.</u>	م ا	<u>ہ</u> م	9 61	2 4	743	15		
	Real Time H	\$15 to \$25	34	00 99	45	52	47	58	41	00 1	4 4	37	45	41	52	43	47	26	35	40	<u>8</u> 8	07	52	29	8	11	~ ;		56	31	16	16	25	8 8	36	33	1 5	9	13	30	<u>ດ</u> ແ	o 4	86	33.6	1.513	32		
er of Hours)		\$5 to \$15	105	125	154	121	96	71	86 7 C	C)	00 7.9	62	113	114	145	133	110	75	87	68	/4 05	0 2	23	76	78	82	48	46	04	51	68	47	65	108	108	68	66	49	45	75	n S S	68	65	51	3,986	83		
ion (Numbe		-\$5 to \$5 ⁻	270	210	299	291	287	312	274	147	214	226	182	195	238	258	385	397	393	393	432	104 773	533	447	546	550	595	7/5	480 480	333	402	514	516	447 378	342	395	454	591	527	347	395 460	506	424	349	18.818	392		
Frequency Distribution (Number of Hours)		-\$15 to -\$5	145	126	117	128	153	137	128	141	16.0	183	112	138	141	126	167	142	150	156	110	001 74	5 6	128	06	78	52	7.7	100	187	156	140	100	146 146	126	111	145	80	66	173	183	133	150	193	6.151	128		
Frequen	/ Ahead	-\$25 to -\$15	69	5 č	39	58	64	99	87	40	108	88	56	86	67	46	10	36	30	46	01 00	0 7	- (16	15	თ	co 1	~ 0	18	67	15	ø	c₁ Ç	39	52	59	19	б	17	42	79	15) [47	1.779	37		
	Real Time Lower Than Day Ahead	-\$35 to -\$25 -\$	48	27	ξœ	16	13	27	40	40 4	40	25	42	48	22	22	ო	14	4	10	5 0	n c)	. 01	~~	7	с , с	5 0	00	14	1	2	ოი	2 T	19	17	4	,	01	11	ית	10) C	, F	664	14		
	Real Time L	-\$45 to -\$35 -{	15	2 01	о <i>с</i> о	e	9	ω :	, 00	11	Ξά	20	24	31	17	13	~	0 -	 .	. .	- *	- c	0 0	0		0	0 0	5 0	C	· œ	0	2	~ ,	~ c	0	с	0	٥	0 0	ю (ņς) ,	· c	o m	266	9		
		< -\$45	5 5	- t	. 4	-	7	64 3	, <u>1</u> 6	~ u	D 4	* ~	30	29	7	17	~~	0 ·	,	, (-		0 0	4		ო	0 0) C	. m	0	0	~~~ ~	~ c		٢	0	0	0 0	، دە	~ c	00	- C	0 0	166	ო		
MP	Average	ଜା	(4.37) 4.78	0/1 0/1	3.36	2.95	0.72	0.99	(2.16)	0.04 44	(2 78)	0.10	2.27	(3.75)	0.25	0.32	0.77	(0.40)	0.89	(0.47)	0.88	1.04 0.22	0.42	(0.46)	(0.37)	0.28	0.01	(0.03)	1.37	(1.32)	(0.69)	(0.88)	0.48	0.14	2.00	0.91	(0.46)	(0.22)	(0.06)	(0.14)	(1.44) 0 85	(0.29)	1 23	4,15	ı	\$0.28		
lay Ahead L	Range /		175.08	172 GN	207.88	417.83	156.76	188.47	237.14	11.011	102.04 234.63	216.11	425.12	240.21	267.24	277.36	90.25	103.34	121.72	118.59	13/.01	73.07	81.74	182.25	142.67	119.12	86.37	40.1d	129.60	190.99	107.75	113.22	99.46	155 11	208.28	278.09	113.44	82.81	130.13	186.16	208.81 177 QG	158.08	114 22	699.31				
Real Time LMP - Day Ahead LMP	Low	មា	(112.01) /68.08/	(56.06) (56.06)	(84.75)	(53.60)	(52.67)	(55.67)	(65.34)	(41.99) (60.03)	(56.17) (56.17)	(70.19)	(100.30)	(102.10)	(60.67)	(158.32)	(48.48)	(41.22)	(59.26)	(49.40)	(42.37)	(20.00) (71.50)	(25.34)	(124.92)	(94.86)	(57.28)	(31.63)	(23.82)	(13.04)	(49.89)	(26.48)	(44.38)	(46.71)	(40.12)	(58.72)	(55.28)	(30.68)	(26.62)	(26.95)	(70.45)	(01.48) (20.02)	(44.97)	(25 62)	(39.83)		(\$54.95)	- (\$158.32)	
Real T	High	[।] ଜା	63.07	116.84	123.12	364.24	104.03	132.80	171.80	11.121	178 46	145,91	324.82	138.11	206.58	119.04	41.77	62.12	62.46	69.19 67.07	90.25 06.46	20.10 AG 60	56.39	57.33	47.81	61.85	54.74	43.8/	89.32	141.10	81.27	68.84	52.75	121.39	149.56	222.82	82.76	56.18	103.18	115./0	147.34	113.11	91 29	659.48		\$126.12	\$659.48 -	
:		<u>Year - Month</u>	Jun-07	Aun-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	100-00 Mar 00	Anr-DR	Mav-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Niar 00		Mav-09	Jun-09	Jul-09	Aug-09	Sep-09	Nov 00	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	Nidy- IU	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11 Feb.11	Mar-11	Anr-11	May-11	Total	Average	Maximum Minimum	

KPSC Case No. 2007-00166 Order dated February 1, 2008 2011 Annual Report Item No. 3 Page 2 of 2

KPSC Case No. 2007-00166 2011 Annual Report Order Dated February 1, 2008 Item No. 4 Page 1 of 1

Kentucky Power Company

REQUEST

Provide a spreadsheet designed to calculate estimated standard and real-time pricing billings.

RESPONSE

Please see the enclosed CD for an electronic file of the requested information.

KPSC Case No. 2007-00166 2011 Annual Report Order Dated February 1, 2008 Item No. 5 Page 1 of 2

Kentucky Power Company

REQUEST

Provide any other reports that may be required.

RESPONSE

Attached are four additional schedules supporting the Company's response to these data requests and explaining the operation of the Real -Time Pricing Program.

Attachment 1, is a summary of the AEP-Zone Day-Ahead LMP for the forty eight month period ending May 31, 2011. This summary shows, for each month, the high and low Day-Ahead price. The attachment also shows the number of hours during the month the Day-Ahead LMP price fell into the price ranges shown on the schedule. This schedule was used in the development of the Company's response to Item No. 3.

Attachment 2, is a comparison of a 10,000 kW demand customer taking service at the transmission voltage delivery on the CIP-TOD Tariff versus the same customer taking service under the RTP Tariff. This graph demonstrates that the cross over point is at approximately 265 hours per month, with the RTP Tariff being less costly for loads that operate up to 265 hours per month (up to 36% load factor). For the portion of the customer's load that operates more than 265 hours per month, the Company's standard CIP-TOD tariff is less costly.

Attachment 3, is a comparison of a 1,000 kW demand customer taking service at the primary voltage delivery on the QP Tariff versus the same customer taking service under the RTP Tariff. This graph demonstrates that the cross over point occurs at approximately 530 hours per month with the RTP Tariff being less costly for loads that operate up to 530 hours per month (up to 73% load factor). For the portion of the customer's load that operates more than 530 hours per month, the Company's standard QP tariff is less costly.

KPSC Case No. 2007-00166 2011 Annual Report Order Dated February 1, 2008 Item No. 5 Page 2 of 2

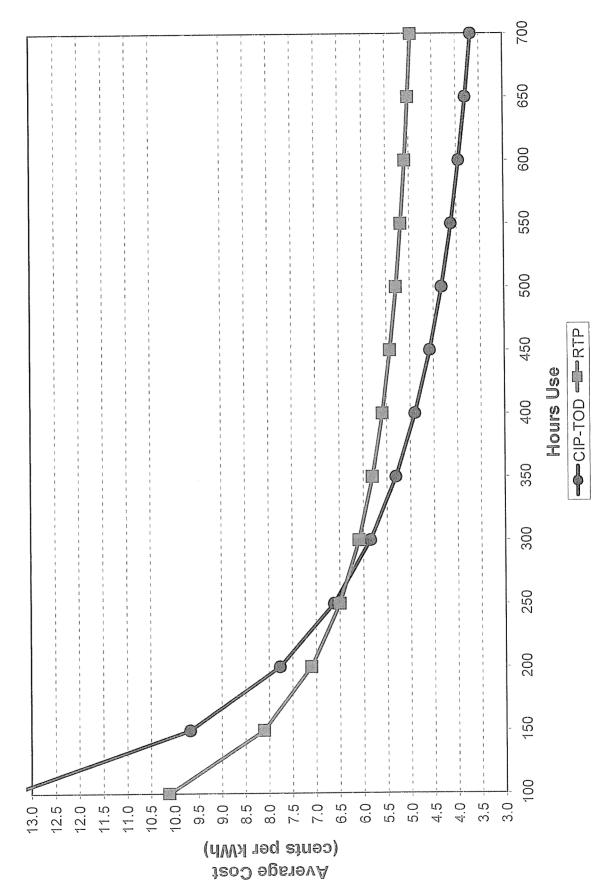
Attachment 4, is an analysis of the 2010 AEP-zone LMP hourly prices. This schedule demonstrates the number of hours throughout 2010 when the LMP hourly prices were greater than KPCo's average rate for both the CIP-TOD and the QP customers.

Attachments 2, 3 and 4 illustrate that the Company's RTP program design appropriately recognizes the relationship between the Company's standard tariffs and real-time pricing. The Company's RTP program gives customers the flexibility to experiment with real-time pricing by allowing customers to designate a portion of their load as standard tariff load and any load in excess of the designated amount as RTP Tariff load. This approach allows customers to keep their higher load factor usage under standard tariff billing and still have the opportunity to place their lower load factor usage on real-time pricing

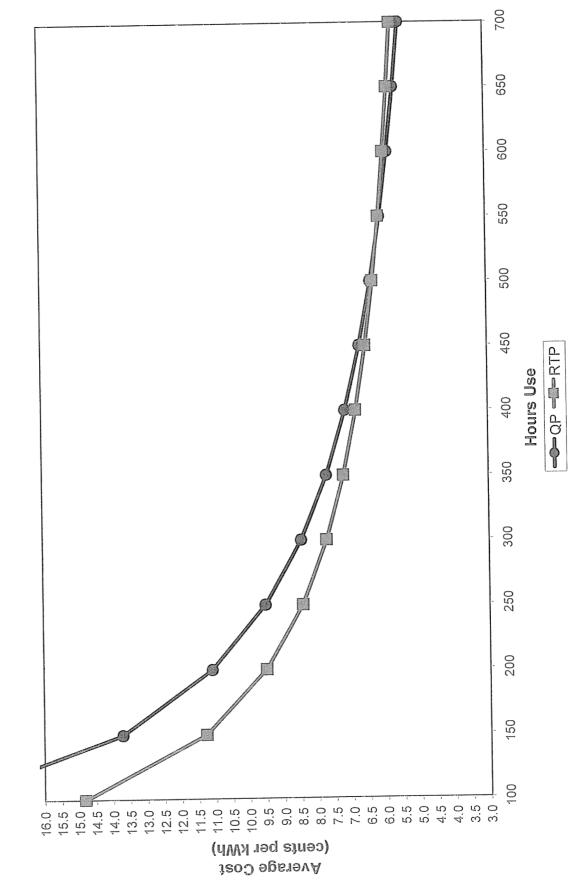
SUMMARY - DAY-AHEAD LMP June 2007 through May 2011

	Total	720	744	720	744	721	744	744	696	743	720	744	720	744	744	077	704	171	744	672	743	720	744	720	744	744	720	744	721	744	672	743	720	744	720	744	720	744	721	744	744	672	743	720	(44	35,064	731		
	> \$100	12	12	60 <	5	0	9 0	25	17	13	6	0	188	200	34	<u>م</u>	-		- c		0 0	0	0	0	0	0	0	0	0 0	5 0		0	0	0	0 1	.n c		• c	0	ę	0	0	0	0 1	2	615	13		
	\$90 to \$100	20	б	‡ c	16	2 0	17	19	31	42	34	13	39	58	39	10	0 0	" , "	чc	4 ⊂	94	0	0	0	0	0	0	0	0	0 0	0 C	00	0	0	0	14	_ <		00	10		0	0	0	5	451	6		
	\$80 to \$90 \$	28	19	20	0 66	13	36	23	55	83	83	36	42	44	65	21	0;	18	o c	הכ	4	- 0	0	0	0	0	0	0	0	0 2	47 C		. 0	0	7	31	07 C	- c	00	15	0	~~	-	0	3	826	17		
(IMP IS:)	\$70 to \$80 St	59	42	65	52 41	74	45	57	78	96	132	45	43	44	95	66	/	28	24	07	<u>י</u> ע) C	0	0	0	0	0	0	0	:	44 c	4 ⊂	0 0	0	26	44	44	00	o c	20	10	~	с	0	17	1.308	27		
ours Where	<u>\$60 to \$70</u>	111	71	79	124	80	60 99		2 89	66	54	66	44	37	107	100	47	59	57	8	2 50	1 ⊂	0	- 2	0	2	0	0	0	31	51	<u> </u>	0 0	80	49	87	11	= 0		38	45	ŝ	7	9	38	2.060	43		
Frequency Distribution (Number of Hours Where LMP is:)	\$50 to \$60 \$6	72	112	81	84 160	001		201	201 BD	50	1 88	162	52	40	62	121	123	78	91	136	44 44	6 U	0 0	20	0	14	0	5	ო	58	120	D ť	<u>5</u> 0	23	95	84	80	97	о 4	0 00	92	35	32	27	104	3 092	64		
tribution (N	\$40 to \$50 \$5	64	100	73	125	10	47 I	20 70 70	107	171	202	118	17	59	17	128	261	201	213	267	158		40 68	96	50	87	21	45	61	135	172	602	001	173	171	113	119	11	20	30 155	243	123	157	252	201	5 892	123		
duency Dis	\$30 to \$40 \$4	72	71	86	120	101	111	++-	101	1/1	202	96	121	112	154	144	221	297	276	220	368	212	384	275	263	205	223	319	252	294	238	349	339	263	140	143	183	280	386	205 221	329	402	430	282	233	11 310	236		
Fre	<u>\$20 to \$30</u> <u>\$3</u>	172	194	165	186	180	201	100	100	ō ⁻	t "	148	93	101	76	101	81	37	69	4	76	232	250 268	263	348	374	402	354	398	225	87	17	225	271	231	222	210	300	320	230 73	54	102	113	153	141	305 8	0,000 179		
	\$10 to \$20 \$2	93	109	14	89 G	0 0	ი ი	5 0	n c	5 0	5 0	09	61	30	31	21	0	0	ъ С	0	0 0	، ת	4 c	47	47 64	5 79	74	21	7	0	0	0 0	5 6	ი დ) —	+	~~	17	0 0	5 0	5 0	o c	00	0	0	210	c10	:	
	< \$10	17	cu	0	с С	0	0 0	0 0	0 0	5 0	5 0	- c	50	1 6	4	ო	0	0	0	0	0	0 0	0 0	ч с	<u>7</u> č	<u> </u>	- c		0	0	0	0 (0 0	0	0	9	0	0 0	0 0	- c	0 0	0 0	0	C C C	20	ı	
L	Average	44 77	41.89	57.49	39.13	49.24	44.42	45.33	51.29	54.57	58.39	02.86 AE 04	40.24 60 53	69.47	56.08	48.57	43.28	44.67	43.58	47.69	38,93	35.93	31.44	10.10	00.15 28.83	20.02 20.03	27.5R	30.69	30.43	36.83	46.13	40.83	34.21	34 76	40.80	45.69	43.91	32.61	31.38	33.85	43.39	46.56 36.75	36.77	37.45	42.21		- 242		ı
	Range \$		136.10		88.42	104.26	70.76	93.45	106.24	84.26	93.06 00.06	92.09	04. IV 220.15	189.97	130.50	110.47	56.71	70.66	95.47	66.49	58.96	105.60	39.15	37.30	1.0,/C	40.10 61 60	21.03	38.79	33.97	48.37	77.22	50.12	35.93	3U.35	70.24	98.45	78.45	70.41	25.84	34.50	76.95 ce c3	00,00 61 18	63.56	42.03	104.87				
	les C				6.89	21.04	19.10	20.81	18.74	25.83	29.34	21.28	AC.71	0.12	6 70	8.66	22.28	23.81	13.99	28.18	24.74	14.25	19.20	9.84	5.14	0.02	9.33 10.55	10.00	17.61	22.53	22.47	27,89	22.75	18,00	19.32	16.84	19.95	4.85	22.30	25.27	25.64	20.03	24.41	27.12	25.33		- 21 26		(\$1.41)
	High &	100 27	142.66	167.61	95.31	125.30	89.86	114.26	124.99	110.09	122.40	113.38	90.08	12.162	137 20	119.12	78.99	94.47	109.46	94.66	83.70	119.85	58.35	47.14	62.75	48.8U	20.21	40.30 FF 00	51.58	70.90	99.69	78.01	58.69	48.55	00.00 89 56	115.30	98.40	75.26	48.14	59.77	102.59	94.66	80.00 87 Ng	04.70 66.43	130.21		- 202	2237.27	
	<u>Year - Month</u>	10 01	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-U8			Sen-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	90-Jul	Aug-09	Sep-us		Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	01-40M	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11	Mor 11	Niα1-11	May-11		Total	Maximim	Minimum

KPSC Case No. 2007-00166 Order dated February 1, 2008 2011 Annual Report Item No. 5 Attachment 1



Kentucky Power Company Comparison of CIP-TOD vs. RTP 10,000 kW Demand - Transmission Voltage



Kentucky Power Company Comparison of QP vs. RTP 1,000 kW Demand - Primary Voltage

Kentucky Power Company Analysis of 2010 AEP Zone LMP Hourly Prices

	Real Time LMP <u>\$ / MWH</u>	<u>Hours</u>	% of Annual <u>Hours</u>
Yearly Simple Average of AEP Zone LMP Hours >= \$75 Hours >= \$50 Maximum Off-peak hours	\$38.36 \$309.71	390 1,355 5,120	4.45% 15.47% 58.45%
Total Company Total Company Average Rate Hours < \$51.16 Hours >= \$51.16	\$51.16	7,495 1,266	85.56% 14.45%
Industrial Classes QP Average Rate Hours >= \$52.62 CIP - TOD Average Rate	\$52.62 \$45.93	1,174	13.40%
Hours >= \$45.93 Industrial Classes Energy Only Charge KP CIP-TOD - Transm. Energy Charge Average	\$27.36	1,722	19.66%
Hours >= \$27.36 Energy Only Charge KP QP - Transm. Energy Charge Average Hours >= \$30.63	\$30.63	7,043 5,543	80.40% 63.28%

KPSC Case No. 2007-00166 2011 Annual Report Order Dated February 1, 2008 Item No. 6 Page 1 of 1

Kentucky Power Company

REQUEST

Provide the current number of program participants.

RESPONSE

The Company does not have and has never had any customers on the RTP Tariff.

KPSC Case No. 2007-00166 2011 Annual Report Order Dated February 1, 2008 Item No. 7 Page 1 of 1

Kentucky Power Company

REQUEST

Provide the type of industry or primary business activity of each participant.

RESPONSE

The Company does not have and has never had any customers on the RTP Tariff.

Although the Real-Time Pricing Tariff is not targeted to a particular industry or business activity, the analyses provided in this report indicate that customer's having a portion of their existing load that is low load factor could benefit from the RTP Tariff. In addition, customers that can temporarily increase production to take advantage of opportunities in their product market or advantageous conditions in the energy market may also benefit from the RTP Tariff.

KPSC Case No. 2007-00166 2011 Annual Report Order Dated February 1, 2008 Item No. 8 Page 1 of 1

Kentucky Power Company

REQUEST

Provide the number of participants that have withdrawn from the program and the reason for such withdrawal.

RESPONSE

The Company does not have and has never had any customers on the RTP Tariff.

,

KPSC Case No. 2007-00166 2011 Annual Report Order Dated February 1, 2008 Item No. 9 Page 1 of 1

Kentucky Power Company

REQUEST

Provide the average, minimum and maximum monthly electrical usage and cost for program participants during each 12-month reporting period and the 12-month period immediately preceding enrollment into the program.

RESPONSE

The Company does not have and has never had any customers on the RTP Tariff.

KPSC Case No. 2007-00166 2011 Annual Report Order Dated February 1, 2008 Item No. 10 Page 1 of 1

Kentucky Power Company

REQUEST

Provide all comments and suggestions solicited from program participants.

RESPONSE

The Company does not have and has never had any RTP Tariff program participants. Over the past several years, the Company has had ongoing discussions with eligible customers from the Ashland, Hazard and Pikeville districts who continue their contemplation of participating in the RTP Tariff program. Many of the eligible customers are interested in the concept of the RTP Tariff; however, these customers have expressed concern about market risk and the potential increase in their electricity costs. Other comments the Company received were that the estimated customer savings, based upon the sample bill spreadsheet calculations, were limited and did not seem to offset the potential risk of market pricing. In addition, RTP rate savings which may have been available with customer load modification were limited by the customer's process or plant operation. Some of the customers did not believe their plant operation gave them the flexibility to change their use of electricity hourly and still maintain the same level of output.

It is noteworthy to mention that in a Commission Order in Kentucky Power Company's last retail rate case (Case No. 2009-00459), the RTP tariff was continued for three years, and will allow customers to enroll at any point during a year for a minimum period of 12 months.

KPSC Case No. 2007-00166 2011 Annual Report Order Dated February 1, 2008 Item No. 11 Page 1 of 1

Kentucky Power Company

REQUEST

An evaluation of the program's effect on Kentucky Power's peak and/or base demand as compared to its historical data for the 12-month period immediately preceding implementation of the program.

RESPONSE

The Company does not have and has never had any customers on the RTP Tariff. Therefore, the RTP Tariff has had no effect on the Company's peak and/or base demand.

KPSC Case No. 2007-00166 2011 Annual Report Order Dated February 1, 2008 Item No. 12 Page 1 of 1

Kentucky Power Company

REQUEST

Provide a statement of whether the program is achieving the stated objectives and an evaluation of the comments and suggestions of the program participants.

RESPONSE

The RTP Tariff program has helped the Company educate some of its largest customers concerning the market value of the electricity they consume. In addition, it has also helped educate customers concerning the type of equipment and changes in operations that would be necessary to take advantage of any hourly pricing product. Although no customers have elected to take part or all of their service under Tariff RTP, the discussions that have been generated have increased customer understanding and awareness and initiated customer analyses of their operations and the potential under all KPCo service offerings and provisions.

KPSC Case No. 2007-00166 2011 Annual Report Order Dated February 1, 2008 Item No. 13 Page 1 of 1

Kentucky Power Company

REQUEST

Provide the program costs to the date of the report, along with the details of any deviations from the program budget contained in the Company's application.

RESPONSE

Kentucky Power has not incurred any additional program costs beyond the \$326,607 as provided in its previous annual report. The unamortized balance of those RTP programming administrative costs remaining on KPCo's books as of May 31, 2011, is \$201,925.

The Company's application did not contain specific budgeted program costs. Therefore, the Company is unable to detail any deviations.

KPSC Case No. 2007-00166 2011 Annual Report Order Dated February 1, 2008 Item No. 14 Page 1 of 1

Kentucky Power Company

REQUEST

Provide a cumulative comparison of the information furnished in Item No. 9 of this filing to allow year-to-year comparison of program results.

RESPONSE

The Company does not have and has never had any customers on the RTP Tariff.