

KENTUCKY – AMERICAN WATER COMPANY
Case No. 2004-00103
Forecasted Test Period Ending November 30, 2005

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REVENUES**

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KENTUCKY-AMERICAN WATER COMPANY
BILL ANALYSIS
 FORECASTED PERIOD ENDING 11130105
 CENTRAL

	<u>BUDGET</u>	<u>01100 ADJUST.</u>	<u>TOTAL BILLING</u>
RESIDENTIAL:			
CUSTOMER CHARGE:			
5/8" MONTHLY	1,178,307	0	1,178,307
5/8" QUARTERLY			
3/4" MONTHLY			
3/4" QUARTERLY			
1" MONTHLY	17,721		17,721
1" QUARTERLY			
1 1/2" MONTHLY	131		131
1 1/2" QUARTERLY			
2" MONTHLY	778		778
2" QUARTERLY			
3" MONTHLY			
3" QUARTERLY			
4" MONTHLY			
4" QUARTERLY			
6" MONTHLY			
6" QUARTERLY			
8" MONTHLY			
8" QUARTERLY			
			1,196,937
BLOCK CONSUMPTION:			
MONTHLY ACCOUNTS:			
ALL USAGE (CCF)	8,044,812	(136,510)	7,908,302
ALL USAGE (CCF) Hidden Leak			0
		0	0
QUARTERLY ACCOUNTS:			
ALL USAGE (CCF)			
CREDIT ADJUSTMENTS			0
ADDITIONAL/LOCAL BILLINGS			0
TOTAL USAGE CCF			0
TOTAL USAGE GAL			<u>7,908,302</u>

KENTUCKY-AMERICAN WATER COMPANY
BILL ANALYSIS
FORECASTED PERIOD ENDING 11130105

	BUDGET	01100 ADJUST.	TOTAL BILLING <u>UNITS</u>
COMMERCIAL			
CUSTOMER CHARGE.			
518" MONTHLY	54,283		54.283
518" QUARTERLY			
314 MONTHLY			
314 QUARTERLY			
1" MONTHLY	24,156	0	24.156
1" QUARTERLY			
1 1/2" MONTHLY	2,052		2.052
1 1/2" QUARTERLY			
2" MONTHLY	18,000		18.000
2" QUARTERLY			
3 MONTHLY	12		12
3 QUARTERLY			
4" MONTHLY	300		300
4 QUARTERLY			
6 MONTHLY	48		48
6 QUARTERLY			
8" MONTHLY	24		24
8" QUARTERLY			
			98,875
BLOCK CONSUMPTION:			
MONTHLY ACCOUNTS:			
ALL USAGE (CCF)	5,544,512	(91,426)	5,453,086
ALL USAGE (CCF) Hidden Leak			0
QUARTERLY ACCOUNTS:			
ALL USAGE (CCF)			
CREDIT ADJUSTMENTS			0
ADDITIONAL/LOCAL BILLINGS			0
TOTAL USAGE CCF			<u>5,453,086</u>
TOTAL USAGE GAL			

KENTUCKY-AMERICAN WATER COMPANY
BILL ANALYSIS
FORECASTED PERIOD ENDING 11130105

	<u>BUDGET</u>	<u>01/00 ADJUST.</u>	<u>TOTAL BILLING UNITS</u>
INDUSTRIAL			
CUSTOMER CHARGE:			
5/8" MONTHLY	12	0	12
5/8" QUARTERLY			
3/4" MONTHLY			
3/4" QUARTERLY			
1" MONTHLY	12		12
1" QUARTERLY			
1 1/2" MONTHLY	12		12
1 1/2" QUARTERLY			
2" MONTHLY	252		252
2" QUARTERLY			
3" MONTHLY			
3" QUARTERLY			
4" MONTHLY	168		168
4" QUARTERLY			
6" MONTHLY	36		36
6" QUARTERLY			
8" MONTHLY			
8" QUARTERLY			
			492
BLOCK CONSUMPTION:			
MONTHLY ACCOUNTS:			
ALL USAGE (CCF)			1,201,109
QUARTERLY ACCOUNTS:			
ALL USAGE (CCF)			
CREDIT ADJUSTMENTS			0
ADDITIONAL LOCAL BILLINGS			0
TOTAL USAGE CCF			<u>1,201,109</u>
TOTAL USAGE GAL			

KENTUCKY-AMERICAN WATER COMPANY
BILL ANALYSIS
FORECASTED PERIOD ENDING 11130105

	<u>BUDGET</u>	<u>01/00 ADJUST.</u>	<u>TOTAL BILLING UNITS</u>
OTHER PUBLIC AUTHORITY			
CUSTOMER CHARGE:			
518" MONTHLY	1,524		1,524
518' QUARTERLY			
314 MONTHLY			
3/4" QUARTERLY			
1" MONTHLY	2,016		2,016
1" QUARTERLY			
1 1/2" MONTHLY	360		360
1 1/2" QUARTERLY			
2" MONTHLY	3,936		3,936
2" QUARTERLY			
3" MONTHLY			
3 QUARTERLY			
4" MONTHLY	348		348
4 QUARTERLY			
6 MONTHLY	108		108
6" QUARTERLY			
8' MONTHLY			
8' QUARTERLY			
			8,292
BLOCK CONSUMPTION:			
MONTHLY ACCOUNTS:			
ALL USAGE (CCF)	1,861,665	(27,326)	1,834,339
QUARTERLY ACCOUNTS:			
ALL USAGE (CCF)			
CREDIT ADJUSTMENTS			0
ADDITIONAL/LOCAL BILLINGS			0
TOTAL USAGE CCF			0
TOTAL USAGE GAL			1,834,339

KENTUCKY-AMERICAN WATER COMPANY
 BILL ANALYSIS
 FORECASTED PERIOD ENDING 11/30/05

	<u>01/00</u>	<u>TOTAL</u>
	<u>BUDGET</u>	<u>ADJUST.</u>
		<u>BILLING</u>
		<u>UNITS</u>
OTHER WATER UTILITY		
CUSTOMER CHARGE:		
5/8" MONTHLY		
5/8" QUARTERLY		
3/4" MONTHLY		
3/4" QUARTERLY		
1" MONTHLY		
1" QUARTERLY		
1 1/2" MONTHLY		
1 1/2" QUARTERLY		
2" MONTHLY	120	120
2" QUARTERLY		
3" MONTHLY		
3" QUARTERLY		
4" MONTHLY	96	96
4" QUARTERLY		
6" MONTHLY	24	24
6" QUARTERLY		
8" MONTHLY		
8" QUARTERLY		
BLOCK CONSUMPTION:		240
MONTHLY ACCOUNTS:		
ALL USAGE (CCF)		496,465
QUARTERLY ACCOUNTS:		
ALL USAGE (CCF)		
CREDIT ADJUSTMENTS		
ADDITIONAL/LOCAL BILLINGS		0
TOTAL USAGE CCF		496,465
TOTAL USAGE GAL		

KENTUCKY-AMERICAN WATER COMPANY
BILL ANALYSIS
 FORECASTED PERIOD ENDING 11130105

	<u>BUDGET</u>	<u>01/00 ADJUST.</u>	<u>TOTAL BILLING UNITS</u>
MISCELLANEOUS			
CUSTOMER CHARGE:			
5/8" MONTHLY			
5/8" QUARTERLY			
3/4" MONTHLY			
3/4" QUARTERLY			
1" MONTHLY			
1" QUARTERLY			
1 1/2" MONTHLY			
1 1/2" QUARTERLY			
2" MONTHLY			
2" QUARTERLY			
3" MONTHLY			
3" QUARTERLY			
4" MONTHLY			
4" QUARTERLY			
6" MONTHLY			
6" QUARTERLY			
8" MONTHLY			
8" QUARTERLY			
 BLOCK CONSUMPTION:			
MONTHLY ACCOUNTS:			0
ALL USAGE (CCF)			
 QUARTERLY ACCOUNTS:			
ALL USAGE (CCF)			
 CREDIT ADJUSTMENTS			
ADDITIONAL/LOCAL BILLINGS			4,192
TOTAL USAGE CCF			<u>0</u>
TOTAL USAGE GAL			

KENTUCKY-AMERICAN WATER COMPANY
BILL ANALYSIS
FORECASTED PERIOD ENDING 11130105

PUBLIC & PRIVATE FIRE SERVICES

PRIVATE FIRE CHARGE:

2" CONNECTIONS	47
4" CONNECTIONS	251
6" CONNECTIONS	699
8" CONNECTIONS	252
10" CONNECTIONS	5
12" CONNECTIONS	3
14" CONNECTIONS	1
16" CONNECTIONS	1
PRIVATE FIRE HYDRANT	642

PUBLIC FIRE SERVICE:

PUBLIC FIRE HYDRANT	6,268
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KENTUCKY-AMERICAN WATER COMPANY
FORECASTED WATER SALES
12 MONTHS ENDED 11/30/05

USAGE IN CCF

	DEC 04	JAN 05	FEB 05	MAR 05	APR 05	MAY 05	JUN 05	JUL 05	AUG 05	SEP 05	OCT 05	NOV 05	TOTAL
RES - MO	813,764	580,728	454,207	587,332	692,483	630,705	903,377	869,689	677,805	740,629	663,577	430,516	8,044,812
HIDDEN LEAKS	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL RES	813,764	580,728	454,207	587,332	692,483	630,705	903,377	869,689	677,805	740,629	663,577	430,516	8,044,812
COM - MO	411,231	396,855	376,155	395,621	440,844	510,443	547,940	548,331	546,435	496,460	465,856	408,341	5,544,512
HIDDEN LEAKS	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL COM	411,231	396,855	376,155	395,621	440,844	510,443	547,940	548,331	546,435	496,460	465,856	408,341	5,544,512
IND - MO	84,523	74,895	95,040	84,661	90,767	91,827	101,341	111,935	117,345	126,585	118,455	103,735	1,201,109
HIDDEN LEAKS	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL IND	84,523	74,895	95,040	84,661	90,767	91,827	101,341	111,935	117,345	126,585	118,455	103,735	1,201,109
OPA - MO	139,112	130,788	122,891	123,099	129,396	137,012	163,273	209,799	166,271	194,552	186,469	159,003	1,861,665
HIDDEN LEAKS	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL OPA	139,112	130,788	122,891	123,099	129,396	137,012	163,273	209,799	166,271	194,552	186,469	159,003	1,861,665
OWU - MO	35,843	41,999	34,459	33,799	37,741	35,805	41,825	46,144	53,273	69,825	26,740	39,012	496,465
HIDDEN LEAKS	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL OWU	35,843	41,999	34,459	33,799	37,741	35,805	41,825	46,144	53,273	69,825	26,740	39,012	496,465
MISC-MO	1,235	49	63	167	148	251	235	249	279	445	772	299	4,192
TOTAL	1,485,708	1,225,314	1,082,815	1,224,679	1,391,379	1,406,043	1,757,991	1,786,147	1,561,408	1,628,496	1,461,869	1,140,906	17,152,755

USAGE IN 000 GAL

	DEC 04	JAN 05	FEB 05	MAR 05	APR 05	MAY 05	JUN 05	JUL 05	AUG 05	SEP 05	OCT 05	NOV 05	TOTAL
RES - MO	610,323	435,546	340,655	440,499	519,362	473,029	677,533	652,267	508,354	555,472	497,683	322,887	6,033,610
HIDDEN LEAKS	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL RES	610,323	435,546	340,655	440,499	519,362	473,029	677,533	652,267	508,354	555,472	497,683	322,887	6,033,610
COM - MO	308,423	297,641	282,116	296,716	330,633	382,832	410,955	411,248	409,826	372,345	349,392	306,256	4,158,383
HIDDEN LEAKS	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL COM	308,423	297,641	282,116	296,716	330,633	382,832	410,955	411,248	409,826	372,345	349,392	306,256	4,158,383
IND - MO	63,392	56,171	71,280	63,496	68,075	68,870	76,006	83,951	88,009	94,939	88,841	77,801	900,831
HIDDEN LEAKS	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL IND	63,392	56,171	71,280	63,496	68,075	68,870	76,006	83,951	88,009	94,939	88,841	77,801	900,831
OPA - MO	104,334	98,091	92,168	92,324	97,047	102,759	122,455	157,349	124,703	145,914	139,852	119,252	1,396,248
HIDDEN LEAKS	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL OPA	104,334	98,091	92,168	92,324	97,047	102,759	122,455	157,349	124,703	145,914	139,852	119,252	1,396,248
OWU - MO	26,882	31,499	25,844	25,349	28,306	26,854	31,369	34,608	39,955	52,369	20,055	29,259	372,349
HIDDEN LEAKS	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL OWU	26,882	31,499	25,844	25,349	28,306	26,854	31,369	34,608	39,955	52,369	20,055	29,259	372,349
MISC-MO	926	37	47	125	111	188	176	187	209	334	579	224	3,143
TOTAL	1,114,280	918,985	812,110	918,509	1,043,534	1,054,532	1,318,494	1,339,610	1,171,056	1,221,373	1,096,402	855,679	12,864,564

KAWC-Residential Sales and Volumetric Revenue-2004 Budget													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Beginning Bills	96,375	96,599	96,642	96,831	97,089	97,387	97,550	97,808	98,057	98,217	98,592	98,724	
Additional Customers	224	43	189	258	298	163	258	249	160	375	132	7	2,356
Total bills	96,599	96,642	96,831	97,089	97,387	97,550	97,808	98,057	98,217	98,592	98,724	98,731	1,172,227
Normal Sales Per Bill/Per Day	0.22863	0.17281	0.12620	0.16819	0.19133	0.17978	0.24855	0.23869	0.19192	0.20219	0.18695	0.11757	
Days in Month	23	28	35	28	28	35	28	28	35	28	28	42	366
Water Sales	503,521	467,617	427,699	457,220	521,726	613,800	680,685	655,341	659,743	558,161	516,778	486,690	6,548,981
Conservation Adj.													0
Net Sales	503,521	467,617	427,699	457,220	521,726	613,800	680,685	655,341	659,743	558,161	516,778	486,690	6,548,981
Times rate	2,23441	2,23441	2,23441	2,23441	2,23441	2,23441	2,23441	2,23441	2,23441	2,23441	2,23441	2,23441	2,23441
Hidden leak revenue	0	0	0	0	0	0	0	0	0	0	0	0	0
Reconciliation of Total bills above to monthly bills:													
Total Bills Above	96,599	96,642	96,831	97,089	97,387	97,550	97,808	98,057	98,217	98,592	98,724	98,731	1,172,227
KAWC-Commercial Sales and Volumetric Revenue-2004 Budget													
14120.505													
January	8,049	8,050	8,047	8,072	8,095	8,122	8,122	8,122	8,143	8,156	8,175	8,170	
Beginning Bills	1	(3)	25	23	27	0	6	15	13	19	(5)	0	121
Additional Customers	8,050	8,047	8,072	8,095	8,122	8,122	8,122	8,143	8,156	8,175	8,170	8,170	97,450
Total bills	1,75410	1,39100	1,05154	1,37858	1,53113	1,41829	1,90171	1,89962	1,51206	1,71329	1,60864	0,94002	
Normal Sales Per Bill/Per Day	23	28	35	28	28	35	28	28	35	28	28	42	366
Days in Month	324,772	313,415	297,082	312,469	348,204	403,178	432,800	433,121	431,634	392,171	367,993	322,560	4,379,399
Water Sales	324,772	313,415	297,082	312,469	348,204	403,178	432,800	433,121	431,634	392,171	367,993	322,560	4,379,399
Conservation Adj.													0
Net Sales	324,772	313,415	297,082	312,469	348,204	403,178	432,800	433,121	431,634	392,171	367,993	322,560	4,379,399
Times rate	2,06898	2,06898	2,06898	2,06898	2,06898	2,06898	2,06898	2,06898	2,06898	2,06898	2,06898	2,06898	2,06898
Revenue	671,947	648,449	614,657	646,492	720,427	834,167	895,455	896,119	893,042	811,394	761,370	667,370	9,060,889
Hidden leak sales	0	0	0	0	0	0	0	0	0	0	0	0	0
Times rate	2,06898	2,06898	2,06898	2,06898	2,06898	2,06898	2,06898	2,06898	2,06898	2,06898	2,06898	2,06898	2,06898
Hidden leak revenue	0	0	0	0	0	0	0	0	0	0	0	0	0
Reconciliation of Total bills above to monthly bills:													
Total Bills Above	8,050	8,047	8,072	8,095	8,122	8,122	8,122	8,143	8,156	8,175	8,170	8,170	97,450

KAWC - Total Industrial Sales - 2004 Budget (Usages for individual customers are shown in 100 CCF and then converted to 1000 gallons in total.)													
	jan	feb	mar	apr	may	jun	jul	aug	sep	oct	nov	dec	total
Customer	2,485	3,025	2,334	2,616	2,428	2,428	2,674	2,695	2,936	2,875	2,607	2,758	2,746
Pepsi Cola - 100 CCF	2,918	4,159	3,318	3,676	4,022	4,022	4,915	5,836	7,561	6,967	4,950	3,475	3,001
Square D	3,667	4,908	3,649	3,513	3,546	3,546	4,902	4,904	5,325	5,618	5,019	3,851	4,212
Trane	5,829	6,991	4,781	6,562	7,844	7,844	7,960	8,004	4,883	3,586	5,561	6,211	6,717
G. E.	6,295	6,881	5,703	5,076	6,428	6,428	6,726	9,197	11,875	13,090	11,413	7,254	3,026
Lexmark	6,973	7,082	5,855	6,726	7,517	7,517	8,203	6,817	8,127	7,079	6,261	8,234	8,534
Lexmark	191	107	102	205	223	223	208	162	188	178	54	66	84
V. R. Wesson	41,082	55,740	53,822	56,494	51,935	51,935	58,533	66,037	66,369	78,335	75,372	65,010	51,258
Toyota	465	285	393	678	437	437	401	938	1,507	1,541	575	378	262
Link Belt	2,444	3,340	3,165	3,704	3,432	3,432	3,623	3,246	2,872	2,746	2,871	3,204	2,902
CKY Processing	945	845	130	0	2,247	2,247	1,174	1,506	2,427	1,125	1,481	1,481	426
P & G	333	333	229	337	330	330	354	278	311	310	368	276	374
Crest Products	289	293	274	252	286	286	263	326	388	343	315	306	300
Wabash Fibre Box	931	660	596	699	768	768	1,467	1,467	2,074	2,216	1,827	997	615
Hughes Aircraft	109	310	310	229	377	377	437	507	491	562	267	154	162
Southern Wood	5	0	0	0	6	6	14	14	11	14	14	7	2
Ballard													
Total	74,895	95,040	84,661	90,767	91,826	91,826	101,341	111,934	117,345	126,585	118,455	103,734	84,523
Convert to 1000 gal-times .75	56171	71280	63496	68075	68870	68870	76006	83951	88009	94939	88841	77801	63392
times rate	1,68828	1,68828	1,68828	1,68828	1,68828	1,68828	1,68828	1,68828	1,68828	1,68828	1,68828	1,68828	1,68828
Revenue	94833	120341	107199	114930	116271	116271	128319	141732	148593	160283	149969	131349	107024
Meters													
5/8"	1	1	1	1	1	1	1	1	1	1	1	1	1
1"	1	1	1	1	1	1	1	1	1	1	1	1	1
1.5"	1	1	1	1	1	1	1	1	1	1	1	1	1
2"	21	21	21	21	21	21	21	21	21	21	21	21	21
4"	14	14	14	14	14	14	14	14	14	14	14	14	14
6"	3	3	3	3	3	3	3	3	3	3	3	3	3
Revenue													
5/8"	7	7	7	7	7	7	7	7	7	7	7	7	7
1"	18	18	18	18	18	18	18	18	18	18	18	18	18
1.5"	37	37	37	37	37	37	37	37	37	37	37	37	37
2"	1,228	1,228	1,228	1,228	1,228	1,228	1,228	1,228	1,228	1,228	1,228	1,228	1,228
4"	2,559	2,559	2,559	2,559	2,559	2,559	2,559	2,559	2,559	2,559	2,559	2,559	2,559
6"	1,097	1,097	1,097	1,097	1,097	1,097	1,097	1,097	1,097	1,097	1,097	1,097	1,097
Total Service Charge Revenue	4,939	4,939	4,939	4,939	4,939	4,939	4,939	4,939	4,939	4,939	4,939	4,939	4,939
Rate	1"	1.5"	2"	4"	6"								
		18.28	36.55	56.48	182.75	365.50							
Total Industrial Revenue	99772	125280	112138	119869	121210	121210	133256	146671	153522	165222	154928	136288	111963
Revenues added for 2000 budget													0
2000 Budget Revenue	99772	125280	112138	119869	121210	121210	133256	146671	153522	165222	154928	136288	111963

KAWC - Other Public Authority Sales and Volumetric Revenue-2004 Budget													
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Beginning Bills	473	473	473	473	473	473	473	473	473	473	473	473	473
Additional Customers	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Bills	473	473	473	473	473	473	473	473	473	473	473	473	473
Normal Sales Per Bill/Per Day	9,01650	6,95921	5,57682	7,32761	7,75887	7,39683	11,88081	9,41577	8,81387	10,55966	9,00424	5,25190	5676
Days in Month	23	28	35	35	28	35	28	28	35	28	28	42	366
Water Sales	98,090	92,168	92,924	97,047	102,758	122,455	157,349	124,703	145,914	139,852	119,252	104,334	1,396,246
Conservation Adj.													0
Net Sales	98,090	92,168	92,924	97,047	102,758	122,455	157,349	124,703	145,914	139,852	119,252	104,334	1,396,246
Times rate	1,98196	1,98196	1,98196	1,98196	1,98196	1,98196	1,98196	1,98196	1,98196	1,98196	1,98196	1,98196	1,98196
Revenue	194410	182673	182982	192343	203662	242701	311859	247156	289196	277181	236353	206786	2767302
KAWC - Other Water Utility - 2004 Budget													
Customer	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Peaks Mill	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
East Clark County	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Spears-CCF	3,031	3,014	2,530	2,623	6,890	8,127	8,231	10,624	9,559	8,302	5,194	2,302	2,302
LSE-CCF	18,795	17,441	17,786	16,558	21,604	27,182	14,423	53,916	34,632	31,108	18,119	15,520	15,520
Midway-CCF	7,595	7,933	6,945	6,927	6,469	7,415	5,760	7,630	8,372	7,749	7,882	8,519	8,519
Versailles-CCF	0	0	10,616	0	1,810	355	1,232	9,460	7,730	915	0	1,675	1,675
North Middletown-CCR	8,505	9,161	7,608	8,177	5,993	8,221	7,878	8,889	10,022	9,012	8,749	8,173	8,173
GMWSS	1,958	188	130	0	0	0	1,358	4,267	100	530	71	1,395	1,395
Harrison Co.	2,594	2,288	6,333	3,681	2,648	2,992	3,241	3,416	4,058	3,950	2,791	3,424	3,424
Total	44,478	42,015	53,948	39,966	47,414	56,292	44,123	100,202	76,473	63,566	44,306	43,008	43,008
Convert to 1000 gals. times .75	33359	31511	40461	29975	35561	42219	33092	75152	57355	47675	33605	32256	32256
Times rate	1,98196	1,98196	1,98196	1,98196	1,98196	1,98196	1,98196	1,98196	1,98196	1,98196	1,98196	1,98196	1,98196
Revenue	66116	62454	80192	59409	70480	83676	65587	148948	113675	94490	66604	63930	63930
Meters													
2"	58.48	10	10	10	10	10	10	10	10	10	10	10	10
4"	182.75	8	8	8	8	8	8	8	8	8	8	8	8
6"	365.50	2	2	2	2	2	2	2	2	2	2	2	2
Revenue													
2"	585	585	585	585	585	585	585	585	585	585	585	585	585
4"	1462	1462	1462	1462	1462	1462	1462	1462	1462	1462	1462	1462	1462
6"	731	731	731	731	731	731	731	731	731	731	731	731	731
Total service charge revenue	2778	2778	2778	2778	2778	2778	2778	2778	2778	2778	2778	2778	2778
Total OWU Revenues	68894	65232	82970	62187	73258	86454	68365	151726	116453	97268	69382	66708	66708
Revenues added for budget													
200 Budget Revenue	68894	65232	82970	62187	73258	86454	68365	151726	116453	97268	69382	66708	66708
Total Misc.aneous - Sales	37	47	125	111	188	176	187	209	334	579	224	926	926
Total Misc.aneous - Rev	187	238	633	562	952	891	946	1,058	1,591	2,931	1,134	4,687	4,687

	plan
	2004
Private Fire Service:	
Private Fire Charges:	
2" Connections	47
4" Connections	251
6" Connections	699
8" Connections	252
10" Connections	5
12" Connections	3
14" Connections	1
16" Connections	1
Private Fire Hydrants	642
Total Private Fire Service	1,901
Public Fire Service:	
Public Fire Charges:	
Public Fire Hydrants	6,268
Total Public Fire Service	6,268

KAWC-Residential Sales and Volumetric Revenue-2005 Budget														
	Jan-2005	Feb-2005	Mar-2005	Apr-2005	May-2005	Jun-2005	Jul-2005	Aug-2005	Sep-2005	Oct-2005	Nov-2005	Dec-2005	Total	12/04-11/05
Beginning Bills	98,731	98,955	98,998	99,187	99,445	99,743	99,906	100,164	100,413	100,573	100,948	101,080	7	2356
Additional Customers	224	43	189	258	298	163	258	249	160	375	132	7	2356	
Total bills	98,955	98,998	99,187	99,445	99,743	99,906	100,164	100,413	100,573	100,948	101,080	101,087	1,200,499	
Normal Sales Per Bill/Per Day	0.22863	0.17281	0.12620	0.16819	0.19133	0.17978	0.24855	0.23869	0.19192	0.20219	0.18695	0.11737		
Days in Month	31	29	31	30	31	30	31	31	30	31	30	31	366	
Water Sales	695,211	496,125	388,036	501,767	591,599	538,821	771,769	742,989	579,059	632,731	566,904	367,796	6,872,807	
Conservation Adj.													0	
Net Sales	695,211	496,125	388,036	501,767	591,599	538,821	771,769	742,989	579,059	632,731	566,904	367,796	6,872,807	6,872,807
Times rate	2.23441	2.23441	2.23441	2.23441	2.23441	2.23441	2.23441	2.23441	2.23441	2.23441	2.23441	2.23441	2.23441	
Revenue	1,553,386	1,108,547	867,032	1,121,153	1,321,875	1,203,947	1,724,448	1,660,142	1,293,855	1,413,760	1,266,696	821,807	15,356,668	
Hidden leak sales	0	0	0	0	0	0	0	0	0	0	0	0	0	
Times rate	2.23441	2.23441	2.23441	2.23441	2.23441	2.23441	2.23441	2.23441	2.23441	2.23441	2.23441	2.23441	2.23441	
Hidden leak revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	
Reconciliation of Total bills above to monthly bills:														
Total Bills Above	98,955	98,998	99,187	99,445	99,743	99,906	100,164	100,413	100,573	100,948	101,080	101,087	1,200,499	
KAWC-Commercial Sales and Volumetric Revenue-2005 Budget														
	Jan-2005	Feb-2005	Mar-2005	Apr-2005	May-2005	Jun-2005	Jul-2005	Aug-2005	Sep-2005	Oct-2005	Nov-2005	Dec-2005	Total	12/04-11/05
Beginning Bills	8,170	8,171	8,168	8,193	8,216	8,243	8,243	8,249	8,264	8,277	8,296	8,291	8,291	
Additional Customers	1	(3)	25	23	27	0	6	15	13	19	(5)	0	121	
Total bills	8,171	8,168	8,193	8,216	8,243	8,243	8,249	8,264	8,277	8,296	8,291	8,291	98,902	
Normal Sales Per Bill/Per Day	1.30143	1.34304	1.18723	1.28668	1.38296	1.65468	1.71768	1.71579	1.76407	1.54748	1.50140	1.27358		
Days in Month	31	29	31	30	31	30	31	31	30	31	30	31	366	
Water Sales	329,654	318,129	301,536	317,141	353,392	409,185	439,243	439,557	438,037	397,976	373,443	327,337	4,444,630	
Conservation Adj.													0	
Net Sales	329,654	318,129	301,536	317,141	353,392	409,185	439,243	439,557	438,037	397,976	373,443	327,337	4,444,630	4,444,630
Times rate	2.06898	2.06898	2.06898	2.06898	2.06898	2.06898	2.06898	2.06898	2.06898	2.06898	2.06898	2.06898	2.06898	
Revenue	682,048	658,203	623,872	656,158	731,161	846,596	908,785	909,435	906,290	823,404	772,646	677,254	9,195,852	
Hidden leak sales	0	0	0	0	0	0	0	0	0	0	0	0	0	
Times rate	2.06898	2.06898	2.06898	2.06898	2.06898	2.06898	2.06898	2.06898	2.06898	2.06898	2.06898	2.06898	2.06898	
Hidden leak revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	
Reconciliation of Total bills above to monthly bills:														
Total Bills Above	8,171	8,168	8,193	8,216	8,243	8,243	8,249	8,264	8,277	8,296	8,291	8,291	98,902	

Customer	jan	feb	mar	apr	may	jun	jul	aug	sep	oct	nov	dec	total
KAWC - Total Industrial Sales - 2000 Rate Case (Usages for individual customers are shown in 100 CCF and then converted to 1000 gallons in total.)													
Pepsi Cola - 100 CCF	2,485	3,025	2,334	2,616	2,428	2,674	2,695	2,936	2,875	2,875	2,607	2,758	2,746
Square D	2,918	4,159	3,318	3,676	4,022	4,915	5,836	7,561	6,967	6,967	4,650	3,475	3,001
Trane	3,667	4,908	3,649	3,513	3,546	4,902	4,904	5,325	5,618	5,618	5,019	3,851	5,311
G. E.	5,829	6,991	4,781	6,562	7,844	7,960	8,004	4,883	3,586	3,586	5,561	6,211	6,717
Lexmark	6,295	6,881	5,703	5,076	6,428	6,726	9,197	11,875	13,090	13,090	11,413	7,254	9,264
Lexmark	6,973	7,082	5,855	6,726	7,517	8,203	6,817	8,127	7,079	7,079	6,261	8,234	8,740
V. R. Wesson	191	107	102	205	223	208	188	188	178	178	54	66	1768
Toyota	41,082	55,740	53,822	56,494	51,935	58,533	66,037	66,369	78,335	78,335	75,372	65,010	719,987
Link Belt	465	285	393	678	437	401	938	1,541	1,541	1,541	575	378	7860
CKy Processing	2,444	3,340	3,165	3,704	3,432	3,823	3,246	2,872	2,746	2,746	2,871	3,204	2,902
P & G	945	845	130	0	2,247	1,174	1,506	2,427	1,125	1,125	1,481	1,481	426
Crest Products	267	333	229	337	330	354	278	311	310	310	368	348	376
Wabash Fibre Box	289	293	274	252	286	263	326	388	343	343	315	306	300
Hughes Aircraft	931	660	596	699	768	954	1,467	2,074	2,216	2,216	1,627	997	1,360
Southern Wood	109	391	310	229	377	437	507	491	562	562	267	154	162
Ballard	5	0	0	0	6	14	14	11	14	14	14	7	2
Total	74,895	95,040	84,861	90,767	91,826	101,341	111,934	117,345	126,565	126,565	118,455	103,734	84,523
Convert to 1000 gal-times .75	56,171	71,280	63,496	68,075	68,870	76,006	83,951	88,009	94,939	94,939	88,841	77,801	63,392
times rate	1,68828	1,68828	1,68828	1,68828	1,68828	1,68828	1,68828	1,68828	1,68828	1,68828	1,68828	1,68828	1,68828
Revenue	94,832	120,341	107,199	114,930	116,272	128,319	141,733	148,564	160,284	160,284	149,988	131,350	107,023
Revenue													
5/8"													
1"	1	1	1	1	1	1	1	1	1	1	1	1	1
1.5"	1	1	1	1	1	1	1	1	1	1	1	1	1
2"	21	21	21	21	21	21	21	21	21	21	21	21	21
4"	14	14	14	14	14	14	14	14	14	14	14	14	14
6"	3	3	3	3	3	3	3	3	3	3	3	3	3
Revenue													
5/8"	0	0	0	0	0	0	0	0	0	0	0	0	0
1"	18	18	18	18	18	18	18	18	18	18	18	18	18
1.5"	37	37	37	37	37	37	37	37	37	37	37	37	37
2"	1,228	1,228	1,228	1,228	1,228	1,228	1,228	1,228	1,228	1,228	1,228	1,228	1,228
4"	2,559	2,559	2,559	2,559	2,559	2,559	2,559	2,559	2,559	2,559	2,559	2,559	2,559
6"	1,097	1,097	1,097	1,097	1,097	1,097	1,097	1,097	1,097	1,097	1,097	1,097	1,097
Total Service Charge Revenue	4,939	4,939	4,939	4,939	4,939	4,939	4,939	4,939	4,939	4,939	4,939	4,939	4,939
rate	1"	1.5"	2"	4"	6"								
rate	18.28	36.55	58.48	182.75	365.5								
Total Industrial Revenue	99771	125280	112138	119869	121211	133258	146672	153523	165223	165223	154927	136289	111962
Revenues added for 2001													0
2001 Revenues	99771	125280	112138	119869	121211	133258	146672	153523	165223	165223	154927	136289	1580123

	Jan-2005	Feb-2005	Mar-2005	Apr-2005	May-2005	Jun-2005	Jul-2005	Aug-2005	Sep-2005	Oct-2005	Nov-2005	Dec-2005	Total	12/04-11/05
KAWC- OPA Sales and Volumetric Revenue-2005Budget														
Beginning Bills	473	473	473	473	473	473	473	473	473	473	473	473	473	0
Additional Customers														
Total bills	473	473	473	473	473	473	473	473	473	473	473	473	473	5676
Normal Sales Per Bill/Per Day	6,68966	6,71924	6,29642	6,83910	7,00801	8,62965	10,73105	8,50457	10,28285	9,53776	8,40396	7,11548		
Days in Month	31	29	31	30	31	30	31	31	30	31	30	31	366	
Water Sales	98,091	92,168	92,324	97,047	102,759	122,455	157,349	124,703	145,914	139,852	119,252	104,334	1,396,248	
Conservation Adj.														0
Net Sales	98091	92168	92324	97047	102759	122455	157349	124703	145914	139852	119252	104334	1,396,248	
Times rate	1,98196	1,98196	1,98196	1,98196	1,98196	1,98196	1,98196	1,98196	1,98196	1,98196	1,98196	1,98196	1,98196	
Revenue	194412	182673	182982	192343	203664	242701	311859	247156	289196	277181	236353	206786	2,767,306	
KAWC - Other Water Utility - 2005 Budget														
Customer	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
Peaks Mill	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	12,000
East Clark County	9,439	9,439	9,439	9,439	9,439	11,310	11,310	11,310	11,310	11,310	11,310	11,310	1,000	12,000
Spears-CCF	20,616	13,448	13,448	11,689	14,504	13,491	18,858	18,842	18,072	36,228	9,008	16,503	13,657	204,916
LSE-CCF	4,754	5,199	4,516	4,847	4,988	4,914	5,806	6,104	8,097	2,078	2,078	5,955	4,923	62,181
Midway-CCF	9	431	877	719	166	1,420	2,451	7,186	5,701	335	335	53	10	193,568
Versailles-CCF	3,223	3,774	5,306	6,075	3,850	3,323	4,377	4,333	6,389	1,479	4,391	4,418	51,538	
North Middletown-CCR	1,958	168	130	0	0	0	1,358	4,267	100	530	71	1,395	9,977	
GMWSS	41,999	34,459	33,799	37,742	35,805	41,825	46,144	53,273	69,825	26,741	39,012	35,842	496,466	
Total	31,499	25,844	25,349	28,306	28,854	31,369	34,608	39,955	52,369	20,055	29,259	26,882	372,349	
Convert to 1000 gals. times .75	1,98196	1,98196	1,98196	1,98196	1,98196	1,98196	1,98196	1,98196	1,98196	1,98196	1,98196	1,98196	1,98196	
Times rate	62430	51222	50241	56101	53224	62172	68592	79189	103793	39748	57990	53279	73,981	
Revenue	58,48	10,10	10,10	10,10	10,10	10,10	10,10	10,10	10,10	10,10	10,10	10,10	10,10	
Meters	182,75	6,6	6,6	6,6	6,6	6,6	6,6	6,6	6,6	6,6	6,6	6,6	6,6	
2"	365,50	2,2	2,2	2,2	2,2	2,2	2,2	2,2	2,2	2,2	2,2	2,2	2,2	
4"														
6"														
Revenue	585	585	585	585	585	585	585	585	585	585	585	585	585	
2"	1097	1097	1097	1097	1097	1097	1097	1097	1097	1097	1097	1097	1097	7,020
4"	731	731	731	731	731	731	731	731	731	731	731	731	731	13,164
6"	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	8,772
Total service charge revenue	64843	53635	52654	58514	55637	64585	71005	81602	106206	42161	60403	55692	766,937	
Total OWU Revenues	64843	53635	52654	58514	55637	64585	71005	81602	106206	42161	60403	55692	766,937	
Revenues added for budget														0
2001 Budget Revenue	64843	53635	52654	58514	55637	64585	71005	81602	106206	42161	60403	55692	766,937	

ellaneous - Sales	37	47	125	111	188	176	187	209	334	579	224	926	3143	
ellaneous - Rev	187	238	633	562	952	891	946	1,058	1,691	2,931	1,134	4,687	15908	

KENTUCKY-AMERICAN WATER COMPANY
BILL ANALYSIS
FORECASTED PERIOD ENDING 11130105
TRI VILLAGE

	<u>BUDGET</u>	<u>01/00 ADJUST.</u>	<u>TOTAL BILLING</u>
RESIDENTIAL:			
CUSTOMER CHARGE:			
518" MONTHLY	22,356	0	22,356
518" QUARTERLY			
314' MONTHLY			
3/4" QUARTERLY			
1" MONTHLY	168		168
1" QUARTERLY			
1 1/2" MONTHLY	0		0
1 1/2" QUARTERLY			
2" MONTHLY	36		36
2" QUARTERLY			
3" MONTHLY			
3" QUARTERLY			
4' MONTHLY			
4' QUARTERLY			
6 MONTHLY			
6 QUARTERLY			
8" MONTHLY			
8" QUARTERLY			
			22,560
BLOCK CONSUMPTION:			
MONTHLY ACCOUNTS:			
ALL USAGE (CCF) First 2.67	46,126		46,126
2nd 5.33	47,122		47,122
3rd 5.33	11,818		11,818
4th 13.33	7,812		7,812
In excess of 26.66	8,308		8,308
QUARTERLY ACCOUNTS:			
ALL USAGE (1000 gal)			
CREDIT ADJUSTMENTS			0
ADDITIONAL/LOCAL BILLINGS			0
TOTAL USAGE CCF			<u>121,186</u>
TOTAL USAGE GAL			

KENTUCKY-AMERICAN WATER COMPANY
BILL ANALYSIS
 FORECASTED PERIOD ENDING 11130105

	<u>BUDGET</u>	<u>01/00</u> <u>ADJUST.</u>	<u>TOTAL</u> <u>BILLING</u> <u>UNITS</u>
COMMERCIAL			
CUSTOMER CHARGE:			
518' MONTHLY	540		540
518' QUARTERLY			
314 MONTHLY			
314 QUARTERLY			
1" MONTHLY	12	0	12
1" QUARTERLY			
1 112' MONTHLY			0
1 112' QUARTERLY			
2' MONTHLY	48		48
2' QUARTERLY			
3" MONTHLY			0
3" QUARTERLY			
4' MONTHLY			0
4' QUARTERLY			
6' MONTHLY			0
6' QUARTERLY			
8" MONTHLY			0
8' QUARTERLY			
			600
BLOCK CONSUMPTION:			
MONTHLY ACCOUNTS:			
ALL USAGE (1000 gal) First 2.67	1,113		1,113
2nd 5.33	1,159		1,159
3rd 5.33	623		623
4th 13.33	1,018		1,018
In excess of 26.66	1,289		1,289
QUARTERLY ACCOUNTS:			
ALL USAGE (1000 gal)			
CREDIT ADJUSTMENTS			-
ADDITIONAL/LOCAL BILLINGS			0
TOTAL USAGE GAL			5,202
TOTAL USAGE GAL			

KENTUCKY-AMERICAN WATER COMPANY
 BILL ANALYSIS
 FORECASTED PERIOD ENDING 11/30/05

	<u>BUDGET</u>	<u>01/00 ADJUST.</u>	<u>TOTAL BILLING UNITS</u>
OTHER PUBLIC AUTHORITY			
CUSTOMER CHARGE:			
5/8" MONTHLY			0
5/8" QUARTERLY			
3/4" MONTHLY			
3/4" QUARTERLY			
1" MONTHLY	5		5
1" QUARTERLY			
1 1/2" MONTHLY			0
1 1/2" QUARTERLY			
2" MONTHLY	15		15
2" QUARTERLY	0		
3" MONTHLY	10		10
3" QUARTERLY			
4" MONTHLY			0
4" QUARTERLY			
6" MONTHLY			0
6" QUARTERLY			
8" MONTHLY			
8" QUARTERLY			
			30
BLOCK CONSUMPTION:			
MONTHLY ACCOUNTS:			
ALL USAGE (CCF)	81		81
	32		32
	136		136
	321		321
	1,217		1,217
QUARTERLY ACCOUNTS:			
ALL USAGE (CCF)			
CREDIT ADJUSTMENTS			
ADDITIONAL/LOCAL BILLINGS			0
TOTAL USAGE CCF			0
TOTAL USAGE GAL			1,788

KENTUCKY-AMERICAN WATER COMPANY
BILL ANALYSIS
 FORECASTED PERIOD ENDING 11130105

	<u>BUDGET</u>	<u>01/00 ADJUST.</u>	<u>TOTAL BILLING UNITS</u>
OTHER WATER UTILITY			
CUSTOMER CHARGE:			
5/8" MONTHLY			
5/8" QUARTERLY			
3/4" MONTHLY			
3/4" QUARTERLY			
1" MONTHLY			
1" QUARTERLY			
1 1/2" MONTHLY			
1 1/2" QUARTERLY			
2" MONTHLY	120		120
2" QUARTERLY			
3" MONTHLY			
3" QUARTERLY			
4" MONTHLY	96		96
4" QUARTERLY			
6" MONTHLY	24		24
6" QUARTERLY			
8" MONTHLY			
8" QUARTERLY			
 BLOCK CONSUMPTION:			 240
MONTHLY ACCOUNTS:			
ALL USAGE (1000 gal)			0
 QUARTERLY ACCOUNTS:			
ALL USAGE (1000 gal)			
 CREDIT ADJUSTMENTS			 0
ADDITIONAL/LOCAL BILLINGS			0
TOTAL USAGE CCF			0
TOTAL USAGE GAL			0

Kentucky-American Water Company
2004 Annual Business Plan
Tri-Village Revenues & Purchased Water

	1999	2000	2001	2002	2003	2004
Metered Sales	841,832	893,233	955,989	1,018,978	1,083,980	1,150,600
Bulk Sales	6,298	26	2,302	4,000	7,013	11,367,800
Penalties	14,139	15,634	8,282	17,300	7,560	701,304
Service Revenues	2,782	2,411	1,449	2,100	0.005779735	0.006168215
TOTAL	865,051	921,304	978,022	1,042,378	1,109,053	1,269,673

	1999	2000	2001	2002	2003	2004
Water Purchased	11,506,000	11,367,800	12,698,000	12,254,606	12,254,606	12,254,606
Total Revenues	665,051	701,304	756,004	780,368.55	777,856	777,856 Model
Rate per Thousand Gallons	2.15					

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Usage Ratio	7.59%	7.10%	6.66%	7.40%	7.53%	7.53%	10.20%	9.81%	10.13%	9.08%	7.89%	7.39%	100.00%
From Residential File	7.59%	7.10%	6.66%	7.40%	7.53%	7.53%	10.20%	9.81%	10.13%	9.08%	7.89%	7.39%	100.03%

REVENUES	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
RES	227,631	95,688	YTD - April 2003					
COM	9,771	4.12%						
TOTAL	237,402	100.00%						

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2003 ANNUAL BUDGET	11	19,991.44	18,700.82	17,541.90	19,491.00	19,633.41	24,363.75	26,883.97	25,838.74	23,915.98	20,781.62	19,464.66	263,471
PURCHASED WATER						119,922.33							
RES						69,192	76,299	73,381	75,775	67,921	59,019	55,279	748,250
COM						2,418	2,970	3,150	3,263	2,915	2,533	2,373	32,118
OPA						0	0	0	0	0	0	0	0
MISC						0	0	0	0	0	0	0	0
123000						0	0	0	0	0	0	0	780,369

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
123020	19,991.00	18,701.00	17,542.00	19,491.00	19,633.00	24,364.00	26,886.00	25,839.00	26,682.00	23,916.00	20,782.00	19,465.00	263,472.00
510100	1,024.20	857.69	1,128.75	1,316.58	1,502.41	1,740.55	1,978.69	1,583.73	1,306.88	1,398.14	1,293.32	1,386.25	16,301.00
123000	56,775.00	53,110.00	49,819.00	55,354.00	56,326.00	69,192.00	76,299.00	73,381.00	75,775.00	67,921.00	59,019.00	55,279.00	748,250.00
401110	0	2,437.00	2,138.00	2,376.00	2,418.00	2,970.00	3,275.00	3,150.00	3,263.00	2,915.00	2,533.00	2,373.00	32,118.00
123000	0	4,478.25	5,893.50	6,869.01	7,944.52	9,087.91	10,331.31	8,269.09	5,903.61	7,066.46	6,752.75	7,237.98	85,112.00
401110	64,559.62	59,868.25	57,850.50	64,599.01	66,588.52	81,249.91	89,905.31	84,800.09	84,931.61	77,932.46	68,304.75	64,889.98	865,480.00
123000	21,915.00	19,559.00	18,671.00	20,807.00	21,335.00	26,108.00	28,845.00	27,423.00	27,913.00	25,275.00	22,075.00	20,851.00	279,773.00

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Number of Bills (Customers)	1,880	1,880	1,880	1,880	1,880	1,880	1,880	1,880	1,880	1,880	1,880	1,880	1,880
Residential	50	50	50	50	50	50	50	50	50	50	50	50	50
Commercial	1,930	1,930	1,930	1,930	1,930	1,930	1,930	1,930	1,930	1,930	1,930	1,930	1,930

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
WATER SALES	9,296,346	8,696,058	8,159,023	9,065,561	9,224,841	11,331,977	12,485,801	12,019,020	12,410,046	11,123,713	9,665,870	9,053,330	122,544,606
Water Purchased (from above)	1,182,951	1,106,581	1,038,004	1,153,338	1,173,599	1,441,672	1,599,736	1,526,952	1,578,926	1,415,177	1,229,708	1,151,779	15,950,324
Unaccounted For	642,695	601,203	563,945	626,606	637,614	783,258	865,700	830,676	857,773	768,863	668,098	625,759	8,470,190
Non-Revenue Usage	7,472,701	6,990,273	6,557,073	7,295,637	7,413,628	9,107,046	10,042,365	9,656,392	9,973,447	8,939,674	7,768,054	7,275,792	98,484,092
Water Sold	7,165	6,703	6,287	6,886	7,108	9,629	9,261	9,563	9,448	8,572	7,448	6,976	98,484,092
Residential	308	288	270	300	305	375	413	398	410	368	320	299	1,000 gallons
Commercial	7,473	6,990	6,557	7,286	7,414	9,107	10,042	9,658	9,873	8,940	7,768	7,275	96,484

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
YTD 2001	8,696,058	9,224,841	9,224,841	11,331,977	12,485,801	12,019,020	12,410,046	11,123,713	9,665,870	9,053,330	122,544,606		
YTD 2002	1,182,951	1,106,581	1,038,004	1,153,338	1,173,599	1,441,672	1,599,736	1,526,952	1,578,926	1,415,177	1,229,708	1,151,779	15,950,324
YTD 2003	642,695	601,203	563,945	626,606	637,614	783,258	865,700	830,676	857,773	768,863	668,098	625,759	8,470,190
YTD 2004	7,472,701	6,990,273	6,557,073	7,295,637	7,413,628	9,107,046	10,042,365	9,656,392	9,973,447	8,939,674	7,768,054	7,275,792	98,484,092

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Water Sold	7,165	6,703	6,287	6,886	7,108	9,629	9,261	9,563	9,448	8,572	7,448	6,976	98,484,092
Residential	308	288	270	300	305	375	413	398	410	368	320	299	1,000 gallons
Commercial	7,473	6,990	6,557	7,286	7,414	9,107	10,042	9,658	9,873	8,940	7,768	7,275	96,484

KENTUCKY-AMERICAN WATER COMPANY
BILL ANALYSIS
 FORECASTED PERIOD ENDING 11130105
 ELK LAKE

	<u>BUDGET</u>	<u>01/00 ADJUST.</u>	<u>TOTAL BILLING</u>
RESIDENTIAL:			
CUSTOMER CHARGE:			
518" MONTHLY	4,128	0	4,128
5/8" QUARTERLY			
3/4" MONTHLY			
314' QUARTERLY			
1" MONTHLY			0
1" QUARTERLY			
1 1/2" MONTHLY			0
1 1/2" QUARTERLY			
2" MONTHLY			0
2" QUARTERLY			
3" MONTHLY			
3" QUARTERLY			
4" MONTHLY			
4" QUARTERLY			
6" MONTHLY			
6" QUARTERLY			
8" MONTHLY			
8" QUARTERLY			
			4,128
WATER CONSUMPTION:			
MONTHLY ACCOUNTS:			
ALL USAGE (ccf) First 2.67	3,941		3,941
2nd 2.67	1,813		1,813
In Excess of 5.34	2,800		2,800
	8,555		
QUARTERLY ACCOUNTS:			
ALL USAGE (1000 gal)			
CREDIT ADJUSTMENTS			0
ADDITIONAL/LOCAL BILLINGS			0
TOTAL USAGE CCF			<u>8,555</u>
TOTAL USAGE GAL			

ELK LAKE

USAGE BY MONTH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Gallons
Purchased Water	1,024	858	1,129	1,316	1,502	1,741	1,979	1,584	1,131	1,359	1,293	1,366	16,301
Revenues	5,348	4,478	5,893	6,869	7,845	9,088	10,331	8,269	5,904	7,096	6,753	7,238	65,112

WATER SALES

Water Purchased (from above)	476.37	398.93	525.00	611.90	698.80	809.56	920.32	736.62	525.90	632.16	601.54	M4.77	7,581.86
Unaccounted For	60.60	50.75	66.79	77.65	88.90	102.99	117.09	93.71	66.91	60.42	76.53	82.03	964.58
Non-Revenue Usage	30.30	25.38	33.40	38.92	44.45	51.50	58.54	46.88	33.45	40.21	38.26	41.01	462.29
Water Sold	385.46	322.80	424.81	495.13	565.44	655.07	744.70	596.05	425.54	511.52	486.75	521.72	8,135.00

NUMBER OF BILLS (Customers)

	344	344	344	344	344	344	344	344	344	344	344	344	344
Usage (1,000 per Customer per Mo)	1.36	1.16	1.53	1.78	2.03	2.35	2.68	2.14	1.53	1.84	1.75	1.87	

KENTUCKY-AMERICAN WATER COMPANY
BILL ANALYSIS
BASE PERIOD ENDING 7/31/04
CENTRAL

	ACTUAL FOR THE 6 MONTHS ENDED 1104				FORECASTED FOR THE 6 MONTHS ENDED 7104					
	REGULAR BILLS		MASTER A/C'S		REGULAR BILLS		MASTER A/C'S			
	Full	Partials	Full	Partials	Full	Partials	Full	Partials		
RESIDENTIAL:										
CUSTOMER CHARGE:										
5/8" MONTHLY	607,316				579,607				579,607	1,186,923
5/8" QUARTERLY					0				0	0
3/4" MONTHLY					0				0	0
3/4" QUARTERLY					0				0	0
1" MONTHLY	10,276				8,776				8,776	19,052
1" QUARTERLY					0				0	0
1 1/2" MONTHLY	65				60				60	125
1 1/2" QUARTERLY					0				0	0
2" MONTHLY	449				378				378	827
2" QUARTERLY					0				0	0
3" MONTHLY					0				0	0
3" QUARTERLY					0				0	0
4" MONTHLY					7				7	7
4" QUARTERLY					0				0	0
6" MONTHLY					0				0	0
6" QUARTERLY					0				0	0
8" MONTHLY					0				0	0
8" QUARTERLY					0				0	0
					618,113			0	588,821	1,206,934
BLOCK CONSUMPTION:										
MONTHLY ACCOUNTS:										
ALL USAGE (CCF)	4,202,269				4,284,598				4,284,598	8,486,867
					0				0	0
					0				0	0
QUARTERLY ACCOUNTS:										
ALL USAGE (CCF)					0				0	0
CREDIT ADJUSTMENTS	-82,885				0				0	-82,885
ADDITIONAL/LOCAL BILLINGS	0				0				0	0
TOTAL USAGE CCF	4,119,384				4,284,598				4,284,598	8,403,982
TOTAL USAGE GAL	0				0				0	0

(For detail on forecasted for 6 months ended 6/00 see additional worksheets.)
KENTUCKY-AMERICAN WATER COMPANY
BILL ANALYSIS
BASE PERIOD ENDING 7/31/104

	ACTUAL FOR THE 6 MONTHS ENDED 11/196			REGULAR BILLS FOR THE 6 MONTHS ENDED 7/104			FORECASTED FOR THE 6 MONTHS ENDED 7/104					
	REGULAR BILLS	FINAL BILLS	MASTER A/C'S	REGULAR BILLS	FINAL BILLS	MASTER A/C'S	REGULAR BILLS	FINAL BILLS	MASTER A/C'S			
	Full	Partial	Full	Full	Partial	Full	Full	Partial	Full	Partial	TOTAL	
INDUSTRIAL												
CUSTOMER CHARGE:												
5/8" MONTHLY	6			6			6				12	
5/8" QUARTERLY											0	
3/4" MONTHLY											0	
3/4" QUARTERLY											0	
1" MONTHLY	6			6			6				12	
1" QUARTERLY											0	
1 1/2" MONTHLY	6			6			6				12	
1 1/2" QUARTERLY											0	
2" MONTHLY	128			128			126				254	
2" QUARTERLY											0	
3" MONTHLY											0	
3" QUARTERLY											0	
4" MONTHLY	84			84			84				168	
4" QUARTERLY											0	
6" MONTHLY	18			18			18				36	
6" QUARTERLY											0	
8" MONTHLY											0	
8" QUARTERLY											0	
				248			246				494	
BLOCK CONSUMPTION:												
MONTHLY ACCOUNTS:												
ALL USAGE (CCF)	572,147			572,147			575,569				575,569	1,147,716

	ACTUAL FOR THE 6 MONTHS ENDED 11/196			REGULAR BILLS FOR THE 6 MONTHS ENDED 7/104			FORECASTED FOR THE 6 MONTHS ENDED 7/104					
	REGULAR BILLS	FINAL BILLS	MASTER A/C'S	REGULAR BILLS	FINAL BILLS	MASTER A/C'S	REGULAR BILLS	FINAL BILLS	MASTER A/C'S			
	Full	Partial	Full	Full	Partial	Full	Full	Partial	Full	Partial	TOTAL	
QUARTERLY ACCOUNTS:												
ALL USAGE (CCF)	0			0			0				0	
CREDIT ADJUSTMENTS												
ADDITIONAL/LOCAL BILLINGS	-6			-6			0				-6	
TOTAL USAGE CCF	572,141			572,141			575,568				575,568	1,147,710
TOTAL USAGE GAL	0			0			0				0	

(For detail on forecasted for 6 months ended 5/07 see additional worksheets.)

KENTUCKY-AMERICAN WATER COMPANY
BILL ANALYSIS
BASE PERIOD ENDING 7/31/04

	ACTUAL FOR THE 6 MONTHS ENDED 1/04				FORECASTED FOR THE 6 MONTHS ENDED 7/04				
	REGULAR BILLS		MASTER A/C'S		REGULAR BILLS		MASTER A/C'S		
	Full	Partial	Full	Partial	Full	Partial	Full	Partial	
OTHER PUBLIC AUTHORITY									
CUSTOMER CHARGE:									
5/8" MONTHLY	872				762				1,634
5/8" QUARTERLY					0				0
3/4" MONTHLY					0				0
3/4" QUARTERLY					0				0
1" MONTHLY	1,086				1,008				2,094
1" QUARTERLY					0				0
1 1/2" MONTHLY	99				180				279
1 1/2" QUARTERLY					0				0
2" MONTHLY	1,077				1,968				3,045
2" QUARTERLY					0				0
3" MONTHLY					0				0
3" QUARTERLY					0				0
4" MONTHLY	87				174				261
4" QUARTERLY					0				0
6" MONTHLY	55				54				109
6" QUARTERLY					0				0
8" MONTHLY					0				0
8" QUARTERLY					0				0
					3,276				4,146
BLOCK CONSUMPTION:									
MONTHLY ACCOUNTS:									
ALL USAGE (CCF)	1,201,684				885,469				2,087,153

QUARTERLY ACCOUNTS:
ALL USAGE (CCF) 0 0 0

CREDIT ADJUSTMENTS	-10,353				0				0	-10,353
ADDITIONAL/LOCAL BILLINGS					0				0	0
TOTAL USAGE CCF	1,191,331	0	0	0	885,469	0	0	0	885,469	2,076,808
TOTAL USAGE GAL	0	0	0	0	0	0	0	0	0	0

(For detail on forecasted for 6 months ended 5/07 see additional workpapers.)

KENTUCKY-AMERICAN WATER COMPANY
BILL ANALYSIS
BASE PERIOD ENDING 7/31/04

	ACTUAL FOR THE 6 MONTHS ENDED 11/96				FORECASTED FOR THE 6 MONTHS ENDED 7/04				
	REGULAR BILLS		MASTER A/C'S		REGULAR BILLS		MASTER A/C'S		
	Full	Partial	Full	Partial	Full	Partial	Full	Partial	
OTHER WATER UTILITY									
CUSTOMER CHARGE:									
518" MONTHLY	0	0	0	0	0	0	0	0	0
518" QUARTERLY	0	0	0	0	0	0	0	0	0
314 MONTHLY	0	0	0	0	0	0	0	0	0
314" QUARTERLY	0	0	0	0	0	0	0	0	0
1" MONTHLY	0	0	0	0	0	0	0	0	0
1" QUARTERLY	0	0	0	0	0	0	0	0	0
1 1/2" MONTHLY	6	6	6	6	6	6	6	6	6
1 1/2" QUARTERLY	0	0	0	0	0	0	0	0	0
2" MONTHLY	43	43	43	43	60	60	60	60	103
2" QUARTERLY	0	0	0	0	0	0	0	0	0
3" MONTHLY	0	0	0	0	0	0	0	0	0
3" QUARTERLY	0	0	0	0	0	0	0	0	0
4" MONTHLY	42	42	42	42	48	48	48	48	90
4" QUARTERLY	0	0	0	0	0	0	0	0	0
6" MONTHLY	18	18	18	18	12	12	12	12	30
6" QUARTERLY	0	0	0	0	0	0	0	0	0
8" MONTHLY	0	0	0	0	0	0	0	0	0
8" QUARTERLY	0	0	0	0	0	0	0	0	0
				109				120	229
BLOCK CONSUMPTION:									
MONTHLY ACCOUNTS:									
ALL USAGE (CCF)	276,257	276,257	276,257	276,257	271,758	271,758	271,758	271,758	548,015

QUARTERLY ACCOUNTS:
ALL USAGE (CCF) 0 0 0

CREDIT ADJUSTMENTS 0 0 0 0 0 0 0 0 0 0
 ADDITIONAL/LOCAL BILLINGS 0 0 0 0 0 0 0 0 0 0
 TOTAL USAGE CCF 0 276,257 276,257 276,257 271,758 271,758 271,758 271,758 548,015
 TOTAL USAGE GAL 0 0 0 0 0 0 0 0 0 0
 (For detail on forecasted for 6 months ended 5197 see additional workpapers.)

XEI TUCKER AMERICAN WATER COMPANY
BILL ANALYSIS
EA: EPE DENDIN 7/31/04

	ACTUAL FOR THE 6 MONTHS ENDED 11/96				FORECASTED FOR THE 6 MONTHS ENDED 7/04				
	REGULAR BILLS Full	FINAL BILLS Partial	FINAL BILLS Full	MASTER A/C'S Partial	REGULAR BILLS Full	FINAL BILLS Partial	FINAL BILLS Full	MASTER A/C'S Partial	TOTAL
MISCELLANEOUS									
CUSTOMER CHARGE:									
1/51 MONTHLY	0				0				0
1/51 QUARTERLY	0				0				0
1/31 MONTHLY	0				0				0
1/31 QUARTERLY	0				0				0
1 MONTHLY	0				0				0
1 QUARTERLY	0				0				0
12 MONTHLY	0				0				0
12 QUARTERLY	0				0				0
2 MONTHLY	0				0				0
2 QUARTERLY	0				0				0
3 MONTHLY	0				0				0
3 QUARTERLY	0				0				0
4 MONTHLY	0				0				0
4 QUARTERLY	0				0				0
6 MONTHLY	0				0				0
6 QUARTERLY	0				0				0
8 MONTHLY	0				0				0
8 QUARTERLY	0				0				0
BLOCK CONSUMPTION:									
MONTHLY ACCOUNTS:									
ALL USAGE (CCF)	0				0				0
QUARTERLY ACCOUNTS:									
ALL USAGE (CCF)	0				0				0
CREDIT ADJUSTMENTS									
ADDITIONAL/LOCAL BILLINGS	0	0	0	0	0	0	0	0	0
TOTAL USAGE CCF	0	0	0	0	1,328	0	0	0	1,328
TOTAL USAGE GAL	0	0	0	0	1,328	0	0	0	1,328

KENTUCKY-AMERICANWATER COMPANY
BILL ANALYSIS
BASE PERIOD ENDING 7/31/04

	Customer Bills
PUBLIC 8 PRIVATE FIRE SERVICES	
PRIVATE FIRE CHARGE:	
2" CONNECTIONS	47
4" CONNECTIONS	251
6" CONNECTIONS	699
8" CONNECTIONS	252
10" CONNECTIONS	5
12" CONNECTIONS	3
14" CONNECTIONS	1
16" CONNECTIONS	1
PRIVATE FIRE HYDRANT	642

PUBLIC FIRE SERVICE:
PUBLIC FIRE HYDRANT 6,268

Kentucky-American Water Company
2004 Annual Business Plan
Central

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Residential													
Gallons	555,797	474,616	431,468	452,777	613,200	584,835	656,553	614,271	576,468	596,058	505,367	487,551	6,548,959
CCF	741,062	632,822	575,291	603,702	817,600	779,781	875,404	819,028	768,624	794,744	673,822	650,068	8,731,945
Commerical													
Gallons	353,958	309,124	302,054	311,612	383,490	390,801	429,526	425,686	391,975	414,788	354,488	311,903	4,379,403
CCF	471,944	412,165	402,738	415,482	511,319	521,068	572,701	567,581	522,634	553,051	472,651	415,870	5,839,204
Industrial													
Gallons	56,171	71,280	63,496	68,075	68,870	76,006	83,951	88,009	94,939	88,841	77,801	63,392	900,830
CCF	74,895	95,040	84,661	90,767	91,826	101,341	111,934	117,345	126,585	118,455	103,734	84,523	1,201,106
OPA													
Gallons	98,091	92,168	92,324	97,047	102,759	122,455	157,349	124,703	145,914	139,852	119,252	104,334	1,396,247
CCF	130,787	122,890	123,099	129,396	137,011	163,273	209,799	166,270	194,551	186,470	159,003	139,112	1,861,662
OWU													
Gallons	31,859	30,011	38,961	28,475	34,061	40,719	31,592	73,652	55,855	46,175	32,105	30,756	474,218
CCF	42,478	40,015	51,948	37,966	45,414	54,292	42,123	98,202	74,473	61,566	42,806	41,008	632,291
Miscellaneous													
Gallons	37	47	125	111	188	176	187	209	334	579	224	926	3,143
CCF	49	63	167	148	251	235	249	279	445	772	299	1,235	4,191

KENTUCKY-AMERICANWATER COMPANY
BILL ANALYSIS
BASE PERIOD ENDING 7/31/04
TRIVILLAGE

	ACTUAL FOR THE 6 MONTHS ENDED 1104				FORECASTED FOR THE 6 MONTHS ENDED 7/04						
	REGULAR BILLS		MASTER A/C'S		REGULAR BILLS		MASTER A/C'S				
	Full	Partials	Full	Partials	Full	Partials	Full	Partials			
RESIDENTIAL:											
CUSTOMER CHARGE:											
5/8" MONTHLY	9,383		9,383		11,178		11,178		11,178		20,561
5/8" QUARTERLY			0		0		0		0		0
3/4" MONTHLY			0		0		0		0		0
3/4" QUARTERLY			0		0		0		0		0
1" MONTHLY	86		86		84		84		84		170
1" QUARTERLY			0		0		0		0		0
1 1/2" MONTHLY			0		0		0		0		0
1 1/2" QUARTERLY			0		0		0		0		0
2" MONTHLY	18		18		18		18		18		36
2" QUARTERLY			0		0		0		0		0
3" MONTHLY			0		0		0		0		0
3" QUARTERLY			0		0		0		0		0
4" MONTHLY			0		0		0		0		0
4" QUARTERLY			0		0		0		0		0
6" MONTHLY			0		0		0		0		0
6" QUARTERLY			0		0		0		0		0
8" MONTHLY			0		0		0		0		0
8" QUARTERLY			0		0		0		0		0
			9,487		0		0		0		11,280
			9,487		0		0		0		20,767
BLOCK CONSUMPTION:											
MONTHLY ACCOUNTS:											
ALL USAGE (ccf)	21,460		21,460		23,063		23,063		23,063		44,523
First 2.67			21,923		23,561		23,561		23,561		45,484
2nd 5.33	5,498		5,498		5,909		5,909		5,909		11,407
3rd 5.33	3,634		3,634		3,906		3,906		3,906		7,540
4th 13.33	3,865		3,865		4,154		4,154		4,154		8,019
In excess 0'			0		0		0		0		0
QUARTERLY ACCOUNTS:											
ALL USAGE (CCF)			0		0		0		0		0
CREDIT ADJUSTMENTS	-922		-922		0		0		0		-922
ADDITIONAL/LOCAL BILLINGS	0		0		0		0		0		0
TOTAL USAGE CCF	55,458		55,458		60,593		60,593		60,593		116,057
TOTAL USAGE GAL	3,634		3,634		3,906		3,906		3,906		7,540

KENTUCKY-AMERICAN WATER COMPANY
BILL ANALYSIS
BASE PERIOD ENDING 7/31/05
ELK LAKE

	ACTUAL FOR THE 6 MONTHS ENDED 1104				FORECASTED FOR THE 6 MONTHS ENDED 7105					
	REGULAR BILLS Full	FINAL BILLS Partial	MASTER AIC'S Full	Partial	REGULAR BILLS Full	FINAL BILLS Partial	MASTER AIC'S Full	Partial	TOTAL	
RESIDENTIAL:										
CUSTOMER CHARGE:										
5/8" MONTHLY	1,726				1,726				2,064	3,790
5/8" QUARTERLY					0				0	0
3/4" MONTHLY					0				0	0
3/4" QUARTERLY					7				0	7
1" MONTHLY		7			0				0	0
1" QUARTERLY					0				0	0
1 1/2" MONTHLY					0				0	0
1 1/2" QUARTERLY					0				0	0
2" MONTHLY					0				0	0
2" QUARTERLY					0				0	0
3" MONTHLY					0				0	0
3" QUARTERLY					0				0	0
4" MONTHLY					0				0	0
4" QUARTERLY					0				0	0
6" MONTHLY					0				0	0
6" QUARTERLY					0				0	0
8" MONTHLY					0				0	0
8" QUARTERLY					0				0	0
				1,733				0	2,064	3,797

BLOCK CONSUMPTION:										
MONTHLY ACCOUNTS:										
ALL USAGE (CCF) First 2.67	1,737				1,737				1,971	3,708
2nd 2.67	800				800				907	1,707
In Excess of 5	1,233				1,233				1,400	2,633

QUARTERLY ACCOUNTS:										
ALL USAGE (CCF)				0				0	0	0

CREDIT ADJUSTMENTS										
ADDITIONAL LOCAL BILLINGS	-16				-16				0	-16
TOTAL USAGE CCF	3,754			0	3,754			0	4,277	8,031
TOTAL USAGE GAL	0			0	0			0	0	0

Kentucky American Water
Revenues Forecast December 04 thru November 05

Central
Other Revenues

Object.Sub	BU	JDE Object Description	December 2004	January 2005	February 2005	March 2005	April 2005	May 2005	June 2005	July 2005	August 2005	September 2005	October 2005	November 2005	Forecast Total
403102	120105	Other Revenue-Rents Water Property	6,895	6,895	6,895	6,895	6,895	6,895	6,895	6,895	6,895	6,895	6,895	6,895	82,740
403103	120105	Other Revenue - Collections for Others	77,650	58,821	62,877	73,526	60,782	59,921	75,977	58,821	58,821	75,977	58,821	60,782	781,676
403104	120105	Other Revenues - NSF Checks	3,564	2,712	2,800	3,393	2,806	2,716	3,509	2,719	2,719	3,513	2,721	2,812	36,113
403198	120105	Other Revenue - Misc Services	21,290	16,120	17,231	20,160	16,657	16,120	20,821	16,120	16,120	20,821	16,120	16,557	214,227
															<u>1,114,756</u>

Kentucky-American Water Company
Historical Comparison
CASE NO: 2004-XXX

Central JDE Object	JDE Sub	JDE Account Desc.	Line	NARUC Account	Actual 2001	Actual 2002	Actual 2003	Base Period	Forecast
403102		12 Oth Rev-Rents Water Property	4	472	90,068	89,690	88,100	104,338	82,740
403103		12 Oth Rev-Collect for Others	4	471	719,743	771,402	801,041	749,953	781,676
403104		12 Oth Rev-NSF Check Charge	4	471	28,164	99,941	35,246	33,792	36,113
403107		12 Oth Rev-Reconnection Charges	4	471	167,096	214,055	104,849	22,509	0
403198		12 Oth Rev-Misc Service Rev	4	471	210	279	-64	107,003	214,227
403199		12 Oth Rev-Other Water Rev	4	474	6,800	2,121	-7,897	26,695	0
Total					1,012,081	1,177,488	1,021,275	1,044,290	1,114,756
Tri-Village									
403107		12 Oth Rev-Reconnection Charges	4	471	0	0	0	964	0
403198		12 Oth Rev-Misc Service Rev	4	471	0	0	400	600	0
Total					0	0	400	1,564	0

KAW - Case 2004-00103		Cost of a Service Order for Lexington						
		(Expenses are based on forecasted test year unless otherwise noted)						
1.	Labor and miscellaneous expenses:							
	Total Field Service Labor in test year	\$	488,200	(2)				
	Total Inside Customer Service Labor in test year	\$	217,535	(2)				
	Subtotal direct service order labor	\$	705,735		formula			
	Total Remaining Distribution Department Labor in test year	\$	2,238,574		formula			
	Grand total labor distribution department labor	\$	2,944,309	(2)				
	Direct service order labor as a % of grand total labor		23.97%		formula			
	Total Operations Superintendent Labor	\$	90,513					
	Allocated to Service Order Work	\$	21,695					
	Direct service order labor eligible for incentive pay	\$	122,831	(2)				
	Incentive pay as a % of eligible labor		8.81%		Allocation Schedule			
	Incentive pay allocated	\$	10,804					
	Miscellaneous expenses:							
535000	14 Contract Services - Other	\$	32,519		Dec 2004 - Nov 2005 ABP - Bus Unit 120206 - (Distribution)			
520100	14 M & S Oper TD		114,418		"			
575000	14 Misc Oper TD		72,612		"			
575320	14 Electricity		4,090		"			
575620	14 Office & Admin Supplies TD		17,835		"			
575480	14 Heat - Office TD		31,618		"			
575500	14 Janitorial TD		7,098		"			
575780	14 Trash Removal TD		8,182		"			
575820	14 Uniforms		8,911		"			
575741	14 Cell Phone TD		17,621		"			
	Subtotal miscellaneous expenses	\$	314,904		formula			
	Miscellaneous expense allocated to direct service order labor	\$	75,481		formula			
	Direct Customer Service Expenses							
520100	15 M & S Oper	\$	4,910		Dec 2004 - Nov 2005 ABP - Bus Unit 120103 (CORP Customer Service)			
575000	15 Misc Oper Customer Service		4,963					
575620	15 Office & Admin		8,598					
575741	15 Cell Phone		742					
541400	15 Rents		5,521					
535000	15 Contract Services - Other		69,351					
535001	15 Contract Services - Temporary Labor		80,284					
	Subtotal customer service expenses	\$	174,369					
2.	Payroll overhead:							

KAW - Case 2004-00103					
Cost of a Service Order for Lexington					
(Expenses are based on forecasted test year unless otherwise noted)					
	Direct service order labor plus allocated Operations Superintendent	\$	727,430	formula	
	Payroll overhead factor for forecasted test year		54.45%	Based on 2005 ABP	
	Total payroll overhead allocated to direct service order labor	\$	396,086	formula	
3.	Transportation expense:				
	Total miles driven by field service persons in 2003		231,434	(5)	
	Total service orders worked by field service persons in 2003 (Lexington)		73,728	(1) See Footnotes tab	
	Miles driven per service order in 2003		3.14	formula	
	Total service orders worked by field service persons in 2003 (Lexington)		73,728	formula	
	Average customers 2003 (Lexington) [(Dec 2002 + Dec 2003)/2]		10,632	(6) formula	
	Service orders worked per average customer in 2003		6.94		
	Average customers in forecasted test year (Lexington)		10,632	(4)	
	Service orders worked per average customer in 2003		6.94	formula	
	Estimated service orders worked in forecasted test year		77,409	formula	
	Estimated service orders worked in forecasted test year		77,409	formula	
	Miles driven per service order in 2003		3.14	formula	
	Estimated miles driven by field service persons in test year		242,988	formula	
	IRS rate per mile	\$	0.375		
	Estimated transportation cost by field service persons in test year	\$	91,120	formula	
4.	Allocation of Customer Service Center Costs				
	Call center costs in KY management fees in test year (Lexington)	\$	758,817	Allocation Schedule	
	Total service orders worked by field service persons in 2003 (Lexington)		73,728	formula	
	Average customers 2003 (Lexington) [(Dec 2002 + Dec 2003)/2]		10,632	formula	
	Estimated calls per customer		1.45		
	Estimated # of calls received by the KAW Call Center		151,652	formula	
	Ratio of service orders to calls received		48.6%	formula	
	Allocate CSC costs to service orders based on ratio of service orders to calls received		368,912	formula	
5.	Totals				
	Direct service order labor	\$	705,735	formula	

KAW - Case 2004-00103							
Cost of a Service Order for Lexington							
(Expenses are based on forecasted test year unless otherwise noted)							
	Operations Superintendent allocation		21,695				
	Incentive pay		10,804				
	Miscellaneous expenses		75,481	formula			
	Customer Service expenses (service order closing)		174,369				
	Payroll overhead		396,086	formula			
	Transportation expense		91,120	formula			
	Customer Service Center costs		368,912	formula			
	Subtotal		\$ 1,844,202	formula			
	Estimated service orders worked during test year		77,409	formula			
	Cost per service order (activation fee)		\$ 23.82	formula			
	Round activation fee to \$24		\$ 24.00				
6.	Revenues from activation fee						
	Estimated number of Turn On orders		28,000	(1)			
	Total Activation Fee Revenues		\$ 672,000	formula			

Footnotes - Cost of a SORD				
(1)	Query T.JRNONZ2003 Orders for 10 5 months = 24,646/10.5*12 = 28,128	Say		28,000
	Bill Buckner's Total Service Orders for 2003 (EDIS & ECIS) =			73,728
(2)	See file 2004-0407 Labor by employee 2004-V2-040404-CDB-used for allocations			
(3)	2003 customers 2002 customers	Total	Tri-Village/Elk Lake	Net
		107,699	2094	105,605
		105,670	2011	103,659
				104,632
	Above numbers per 329 provided by Bryan Siler		Above numbers from file named Customers by County 1989-2003	
(4)	Customers at 11/30/05 Customers at 11/30/04 Average	Total	Tri-Village/Elk Lake	Net
		113,380	2,274	111,106
		110,879	2,274	108,605
				109,856
	Above numbers per ABP provided by Bryan Siler e-mail dated 4/8/04		Per Allocation Schedule	
(5)	Per file named Mileage - Service Order Cost Calc - Values Only			

KAW		Number of Customer Calls Answered - (For Cost of a SORD)		Calls per customer	
Date	#	annualized	Year end customers	Year end customers	Calls per customer
YTD July 2003	91,773	157,325	105,605	105,605	1.49
2002	154,944	154,944	103,659	103,659	1.49
2001	138,519	138,519	101,580	101,580	1.36
					1.45

Kentucky-American Water Company Customers by County (For Cost of a SORD)											
Year *	Bourbon	Fayette	Gallatin	Grant	Owen	Jessamine	Harrison	Scott	Woodford	Clark	Total
2003**	741	99,345	200	78	1,816	1	99	3,571	206	1,369	107,426
2002	718	97,921	195	80	1,736	1	96	3,370	208	1,345	105,670
2001	697	96,044	193	77	1,335		92	3,214	197	1,336	103,185
2000	678	93,833					89	3,056	196	1,347	99,199
1999	607	91,434					88	2,837	189	1,322	96,477
1998	568	88,689					88	2,625	180	1,240	93,390
1997	535	86,298					88	2,398	172		89,491
1996	486	75,777					84	1,926	153		78,426
1995	477	73,843					83	1,799	152		76,354
1994	441	72,286					80	1,716	151		74,674
1993	433	70,409					78	1,628	149		72,697
Oct-92	429	68,532					81	1,560	143		70,745
Jan-92	419	67,282					78	1,507	142		69,428
1990	409	65,867					80	1,446	141		67,943
1989	407	64,658					80	1,373	139		66,657
Mar-89	403	63,787					79	1,328	142		65,739
All counts are year end unless otherwise noted.											
** See attached sheet											

NAME	TOTAL DIST	TOTAL CUST SERV	TOTAL SERV BOTH	TOTAL On/OFF	CAPITAL	Stacy Order Closers (No Tellers)
C FIELDS	33481	33481	0	33481	0	
C FIELDS	3724	3724	0	3724	0	
M MOBERLY	31987	31987	0	31987	0	
M MOBERLY	7027	7027	0	7027	0	
W BUCKNER	54466	54466	0	54466	54,466	
W BUCKNER	13594	13594	0	13594	13,594	
D FARMER	9121	0	0	0	0	0
D FARMER	32131	0	0	0	0	0
L HELTON	1962	0	0	0	0	0
L HELTON	5667	0	0	0	0	0
C MOODY	31932	0	0	0	0	0
C MOODY	7970	0	0	0	0	0
J BRADY	37205	0	0	0	0	0
J BRADY	16727	0	0	0	0	0
J BRADY	810	0	0	0	0	0
J BRADY	216	0	0	0	0	0
H GARRISON	52361	0	0	0	0	0
H GARRISON	13066	0	0	0	0	0
D MIREAULT	7820	0	0	0	0	0
D MIREAULT	31348	0	0	0	0	0
D POINDEXTER	33481	33481	0	33481	0	0
D POINDEXTER	3724	3724	0	3724	0	0
R BRUMFIELD	37205	0	0	0	0	0
D WINER	16993	0	0	0	0	0
D WINER	810	0	0	0	0	0
D WINER	810	0	0	0	0	0
D WINER	216	0	0	0	0	0
R MUNDY II	86634	0	0	0	0	0
R MUNDY II	86634	0	0	0	0	0
JL SMITH	41228	0	0	0	0	0
JL SMITH	7851	0	0	0	0	0
D OWENS	55888	0	0	0	0	0
D OWENS	55888	0	0	0	0	0
P SLONE	13947	0	0	0	0	0
P SLONE	13947	0	0	0	0	0
KE BROWN	36329	0	0	0	0	0
KE BROWN	37205	0	0	0	0	0
KE BROWN	16754	0	0	0	0	0
KE BROWN	810	0	0	0	0	0
KE BROWN	189	0	0	0	0	0
D JOHNSON	41607	0	0	0	0	0
D JOHNSON	10383	0	0	0	0	0
S STONE	0	0	0	0	0	0
S STONE	0	0	0	0	0	0
J MAXEY	42070	0	0	0	0	0
F WHITE	0	0	0	0	0	0
S WATTS	35113	35113	0	35113	35,113	0
S WATTS	3904	3904	0	3904	3,904	0
D MCCANN	0	0	0	0	0	0
N ROWE	0	0	0	0	0	0
N ROWE	0	0	0	0	0	0
J VIRES	42070	42070	0	42070	0	0
J VIRES	19220	19220	0	19220	0	0
J VIRES	906	906	0	906	0	0
J VIRES	272	272	0	272	0	0

D SHY	27784	INSIDE UNION	0	27784	27784	0	0	0
R COLE	54017	MANAGEMENT	0	0	0	0	0	0
R COLE		9526 MANAGEMENT	0	0	0	0	0	0
D BULLOCK	39100	OUTSIDE UNION	0	0	0	0	0	0
D BULLOCK	75M	OUTSIDE UNION	0	0	0	0	0	0
B BROWN	64271	MANAGEMENT	0	0	0	0	0	0
B BROWN		11333 MANAGEMENT	0	0	0	0	0	0
B SILER	46418	MANAGEMENT	0	0	0	0	0	0
B SILER		8183 MANAGEMENT	0	0	0	0	0	0
D BRAXTON	61419	MANAGEMENT	0	0	0	0	0	0
D BRAXTON		10832 MANAGEMENT	0	0	0	0	0	0
M MULLINS	47396	MANAGEMENT	0	0	0	0	0	0
M MULLINS		11828 MANAGEMENT	0	0	0	0	0	0
T MCFARLAND	39017	OUTSIDE UNION	39017	0	39017	0	0	0
T MCFARLAND	17595	OUTSIDE UNION	17595	0	17595	0	0	0
T MCFARLAND	928	OUTSIDE UNION	928	0	928	0	0	0
T MCFARLAND		308 OUTSIDE UNION	308	0	308	0	0	0
E STURGIS	38519	OUTSIDE UNION	0	0	0	0	0	0
E STURGIS	7392	OUTSIDE UNION	0	0	0	0	0	0
D ARY	63835	MANAGEMENT	0	0	0	0	0	0
D ARY		15932 MANAGEMENT	0	0	0	0	0	0
K TOWNSEND	27784	INSIDE UNION	0	27784	27784	0	27784	27784
P BALLARD	44677	MANAGEMENT	0	0	0	0	0	0
P BALLARD		7878 MANAGEMENT	0	0	0	0	0	0
E VAUGHT-JONES	38974	OUTSIDE UNION	0	0	0	0	0	0
E VAUGHT-JONES	7535	OUTSIDE UNION	0	0	0	0	0	0
D WHITEHOUSE	76777	MANAGEMENT	0	0	0	0	0	0
D WHITEHOUSE		13541 MANAGEMENT	0	0	0	0	0	0
T COY	42070	OUTSIDE UNION	0	0	0	0	0	0
T COY	8161	OUTSIDE UNION	0	0	0	0	0	0
B3835	63835	MANAGEMENT	0	0	0	0	0	0
D GRIFFIN		15932 MANAGEMENT	42,651	0	42,651	0	0	0
D GRIFFIN		42851 MANAGEMENT	37,205	0	37,205	0	0	0
E FLOYD	37205	OUTSIDE UNION	16,754	0	16,754	0	0	0
C COBB	16754	OUTSIDE UNION	914	0	914	0	0	0
C COBB	914	OUTSIDE UNION	297	0	297	0	0	0
C COBB		297 OUTSIDE UNION	0	0	0	0	0	0
P BUEHLER	31200	ATS	0	0	0	0	0	0
P BUEHLER	1852	ATS	0	0	0	0	0	0
P BUEHLER		5502 ATS	4,1852	0	4,1852	0	0	0
J JACKSON	41852	MANAGEMENT	10,446	0	10,446	0	0	0
J JACKSON		10446 MANAGEMENT	3,5113	0	3,5113	0	0	0
L BRIDWELL	35113	OUTSIDE UNION	3,904	0	3,904	0	0	0
G WILSON		3904 OUTSIDE UNION	30,765	0	30,765	0	0	0
G WILSON		30785 ATS	0	29731	29731	0	29731	29731
J MCCLANAHAN	29731	INSIDE UNION	0	1644	1644	0	1644	1644
P SIPES	1544	INSIDE UNION	0	0	0	0	0	0
P SIPES	35113	OUTSIDE UNION	3,5113	0	3,5113	0	0	0
R CRUSE		3904 OUTSIDE UNION	3,904	0	3,904	0	0	0
R CRUSE	32025	OUTSIDE UNION	7,046	0	7,046	0	0	0
JR SMITH		7048 OUTSIDE UNION	3,5113	0	3,5113	0	0	0
JR SMITH	35113	OUTSIDE UNION	3,904	0	3,904	0	0	0
W FINN		3904 OUTSIDE UNION	47,986	0	47,986	0	0	0
W FINN	47996 08	MANAGEMENT	12,005	0	12,005	0	0	0
L BURNS		12004 64 MANAGEMENT	3,5113	0	3,5113	0	0	0
L BURNS		OUTSIDE UNION	0	0	0	0	0	0
DE MOORE	35113		0	0	0	0	0	0

B ROSER	16004	OUTSIDE UNION	16004	0	0	0	0
B ROSER	260	260 OUTSIDE UNION	260	0	0	0	0
DA MOORE	35200	OUTSIDE UNION	35200	0	0	0	0
L MERRITT	0	INSIDE UNION	0	0	0	0	0
L MERRITT	0	INSIDE UNION	0	0	0	0	0
T CECIL	25878	INSIDE UNION	25878	0	0	0	0
J BARNETT	35200	OUTSIDE UNION	35200	0	35200	0	0
J DENNISON	41815	OUTSIDE UNION	0	0	0	0	0
B COLLINS	8111	OUTSIDE UNION	0	0	0	0	0
B COLLINS	33481	OUTSIDE UNION	33481	0	0	0	0
R CURRY	42070	3724 OUTSIDE UNION	3724	0	0	0	0
C SCHRIEFER	0	INSIDE UNION	0	0	0	0	0
C SCHRIEFER	0	INSIDE UNION	0	0	0	0	0
G TOMKO	0	INSIDE UNION	0	0	0	0	0
S WALKER	49461	58284 MANAGEMENT	0	0	0	0	0
C TUDOR	26353	46205 MANAGEMENT	0	0	0	0	0
A TRUE	2218	MANAGEMENT	0	0	0	0	0
P TUDOR	919	ATS	0	0	0	0	0
P TUDOR	36767	ATS	0	0	0	0	0
P TUDOR	2831	ATS	0	0	0	0	0
L CASTLEMAN	657	ATS	0	0	0	0	0
L CASTLEMAN	28768	ATS	0	0	0	0	0
L CASTLEMAN	2352	ATS	0	0	0	0	0
L HAZLETT	41815	ATS	0	0	0	0	0
L HAZLETT	8201	OUTSIDE UNION	0	0	0	0	0
L HAZLETT	0	OUTSIDE UNION	0	0	0	0	0
80 VACANT-80-oper eng	0	OUTSIDE UNION	0	0	0	0	0
V VACANT 91	33481	59989.9008 MANAGEMENT	33481	0	0	0	0
V VACANT 9-crew lead	3724	3724 OUTSIDE UNION	3724	0	0	0	0
93 VACANT-93-sec	0	OUTSIDE UNION	0	0	0	0	0
94 VACANT-94	956	ATS	956	0	0	0	0
94 VACANT-94	35200	OUTSIDE UNION	35200	0	0	0	0
94 VACANT-94	16030	OUTSIDE UNION	16030	0	0	0	0
94 VACANT-94-meter reader	234	234 OUTSIDE UNION	234	0	0	0	0
S CARR	37394	MANAGEMENT	0	0	0	0	0
B HORROCKS	37723	9330 MANAGEMENT	0	0	0	0	0
B HORROCKS	7375	OUTSIDE UNION	0	0	0	0	0
P ROTTE	71686	OUTSIDE UNION	0	0	0	0	0
M LEONARD	35200	MANAGEMENT	0	0	0	0	0
D ALEXANDER	35200	OUTSIDE UNION	35200	0	0	0	0
F ROSS	52771	OUTSIDE UNION	35200	0	0	0	0
F ROSS	0	MANAGEMENT	0	0	0	0	0
T FLANNERY	35200	9307 MANAGEMENT	0	0	0	0	0
G YOUNG	35200	OUTSIDE UNION	35200	0	0	0	0
G YOUNG	16106	OUTSIDE UNION	35200	0	0	0	0
G YOUNG	956	OUTSIDE UNION	16106	0	0	0	0
G YOUNG	956	OUTSIDE UNION	956	0	0	0	0
J YOST	8606	208 OUTSIDE UNION	208	0	0	0	0
J YOST	0	ATS	0	0	0	0	0
E MOSBY	35200	26475 ATS	35200	0	0	0	0
E MOSBY	15889	OUTSIDE UNION	15889	0	0	0	0
E MOSBY	905	OUTSIDE UNION	905	0	0	0	0
E MOSBY	905	OUTSIDE UNION	905	0	0	0	0
D POLLICK	182	182 OUTSIDE UNION	182	0	0	0	0
A ALLNUT	35200	OUTSIDE UNION	35200	0	0	0	0
A ALLNUT	35200	OUTSIDE UNION	35200	0	0	0	0

**Kentucky American Water
Mileage Schedule - Field Service**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Unit 77	2,220	1,680	1,375	2,060	1,660	1,440	889	895	1,505	1,118	610	212	15,664
Unit 93	2,212	1,151	1,051	2,429	2,525	2,059	858	504	2,309	1,482	1,290	1,465	19,335
Unit 107	880	1,310	1,558	1,254	1,758	1,249	1,866	1,444	1,533	1,444	1,091	1,027	16,414
Unit 110	1,192	2,415	3,206	3,675	2,946	2,128	2,614	1,478	1,378	2,584	2,741	1,039	27,396
Unit 111	1,204	1,370	1,750	1,800	1,600	1,808	1,970	2,000	3,392	1,819	1,268	1,319	21,300
Unit 117	1,517	1,322	915	2,090	2,090	394	844	2,002	1,429	1,191	1,036	880	15,710
Unit 118	1,457	1,627	1,705	1,881	1,881	2,638	5,274	1,459	1,447	2,552	1,401	2,002	25,324
Unit 127	3,090	1,641	2,444	2,912	1,650	4,231	2,622	2,967	2,800	1,672	1,299	3,210	30,538
Unit 136	1,401	1,445	1,743	1,860	1,750	1,770	2,051	2,647	1,137	1,705	1,629	1,455	20,593
Unit 137	1,308	1,331	1,248	1,409	1,409	1,530	1,073	1,534	1,438	1,031	6,843	1,074	21,228
	16,481	15,292	16,995	21,370	19,269	19,247	20,061	16,930	18,368	16,598	19,208	13,683	213,502
Unit 104	1038	1846	1647	2063	1588	1755	1662	1556	1613	1367	605	11921	17,932
Revised	17,519	17,138	18,642	23,433	20,857	21,002	21,723	18,486	19,981	17,965	19,813	14,875	231,434

**Kentucky American Water
Mileage Schedule - Total**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
	95,748	91,412	93,999	101,832	92,637	93,259	126,018	94,611	84,167	83,517	69,145	62,250	1,088,595

Field Service % of Total Mileage 19.6%

Mileage - Service Order Cost Calc - Values Only

C: RM, NR, HM, LCB

Bill



Paul E. Patton, Governor
Ronald B. McCloud, Secretary
Public Protection and
Regulation Cabinet

Thomas M. Dorman
Executive Director
Public Service Commission

COMMONWEALTH OF KENTUCKY
PUBLIC SERVICE COMMISSION
211 SOWER BOULEVARD
POST OFFICE BOX 615
FRANKFORT, KENTUCKY 40602-0615
www.psc.state.ky.us
(502) 564-3940
Fax (502) 564-3460
May 16, 2001

Martin J. Huelsmann
Chairman

Edward J. Holmes
Vice Chairman

Gary W. Gillis
Commissioner

TO ALL JURISDICTIONAL WATER UTILITIES

RE: Water Shortage Plan

As you are aware water levels are generally below normal due to low rainfall during the last two years. I am writing to urge all water utilities to develop a water shortage response plan and to file the plan with the Public Service Commission. Water utilities are required to develop a water shortage response plans and file with the Division of Water, Natural Resources and Environmental Protection Cabinet. This requirement remains unchanged. I urge water utilities to file with the Commission also, first, to better inform the Commission concerning the readiness of water utilities for dealing with water shortages, and second, to ensure that any water rate impacts of such plans be made a part of the utilities approved tariff.

A water shortage plan can provide assistance to a utility requiring curtailment of water consumption, not only during periods of low rainfall but also in the event of source contamination. Last year, the City of Lawrenceburg requested that its customers curtail usage due to a fire at the Wild Turkey Distillery, which resulted in contamination of the Kentucky River. Additionally, a water shortage plan will be helpful in the case of failure at a pumping station or at treatment facilities. A recent Commission Order urged all water utilities to have a shortage response plan in place.

Most customers are very cooperative during a water shortage situation and voluntarily limit their usage. However, if water usage needs to be curtailed for an extended period of time, it may be necessary to include a penalty provision for customers who choose not to curtail their usage.

A water utility does not have the police powers necessary to curtail usage nor can a water utility simply adopt the same measures that its water supplier implements. In order to enforce any water use restrictions that you may write into your plan you must



Water Shortage Response Plan
Page 2 of 2

work with your County Judge to enact an ordinance stipulating those restrictions and the penalties for violating them.

Enclosed is a sample water shortage plan that was developed several years ago by the staff of the Division of Water and the Commission. A form plan is also included that you can complete and return to the Commission. Your utility can design its own water shortage plan however, any plan that is used should include the major components of the sample plan.

I urge you to complete the enclosed plan, or develop your own plan, and file it with the Commission within the next 30 days. If you already have a plan with the Division of Water, it would be sufficient to send the Commission a copy of that plan.

We hope to hear from you soon on this matter of importance to all of us. I am sure you will agree that it is easier to come up with a plan prior to an emergency than finding it necessary to formulate a plan while trying to deal with an emergency. Should you have any questions please contact Carryn Lee at extension 248 or Gerald Wuetcher at extension 259.

Sincerely,



Thomas M. Dorman
Executive Director

Enclosure



WATER SHORTAGE RESPONSE PLAN

section 1. Purpose. The purpose of this Plan is to provide for the declaration of official phases of water supply shortages and the implementation of voluntary and mandatory water conservation measures throughout the _____ in the event a shortage is declared.

Section 2. Definitions. These terms are applicable only for this Plan unless specifically noted.

- (a) "Customer" shall mean any person or entity using water for any purpose from the _____ water distribution system and for which either a regular charge is made or, in the case of bulk sales, a cash charge is made at the site of delivery.
- (b) "Raw Water Supplies" shall mean all water potentially available to persons in the _____
- (c) "Treated Water" shall mean water that has been introduced by the _____ into its water distribution system, including water offered for sale. uses of treated water are classified as follows:

Essential Water Uses (Class 1):

The following uses of water, listed by site or user type, are essential.

Domestic:

- water necessary to sustain human life and the lives of domestic pets, and to maintain minimum standards of hygiene and sanitation.

Health Care Facilities:

- patient care and rehabilitation, including related filling and operation of swimming pools.

Water Hauling:

- sales of domestic use where not reasonably available elsewhere.

Public Use:

- firefighting,

- health and public Protection purposes, if specifically approved by health officials.

Socially or Economically Important Uses (Class 2):

The following uses of water, list'ed by site or user type, are socially or economically important.

Domestic:

- personal, in-house water use including kitchen, bathroom and laundry.

Water Hauling:

- non-domestic, when other sources are not reasonably available elsewhere.

commercial and Civic Use:

- commercial car and truck washes,
- laundromats
- restaurants, clubs and eating places.
- schools, churches, **motels/hotels** and similar commercial establishments.

outdoor on-commercial Watering:

- minimal watering of vegetable gardens,
- minimal watering of trees where necessary to preserve them.

outdoor Commercial or Public Watering (using conservation methods and when other sources of water are not available or feasible to use):

- agricultural irrigation for the production **of** food and fiber or the maintenance of livestock,
- watering by arboretums and public gardens' **of** national, state, regional or 'community significance where necessary to preserve specimens,
- watering by commercial nurseries at a minimum level **necessary to** maintain stock,
- watering at a minimum rate necessary to establish or maintain revegetation or landscape **plantings** required pursuant to law or regulation,

- watering of woody plants where necessary to preserve them,
- minimal watering of golf course greens.

Recreational:

- operation of municipal swimming pools and residential pools that serve more than 25 dwelling units.

Air Conditioning:

- refilling for startup at the beginning of the cooling season,
- makeup of water **during** the cooling season,
- refilling specifically approved by health officials where the system has been drained for health protection or repair services.

on-Essential Uses (Class 3):

Any waste of water, as defined herein, is non-essential. The following uses of water, listed by site or user type, are non-essential.

Public Use:

- use of fire hydrants (excluding Class 1 and Class 2 uses), including use of sprinkler caps, testing fire apparatus and fire department drills,
- flushing of sewers and hydrants except as needed to ensure public health and safety as approved by health officials.

commercial and Civic Use:

- serving water in restaurants, clubs, or eating places, except by customer request,
- failure to repair a controllable leak,
- increasing water levels in scenic and recreational ponds and lakes, except for the minimum amount required to support fish and wildlife.

Ornamental Purposes:

- fountains, reflecting pools and artificial waterfalls.

Outdoor Non-Commercial Watering:

- use of water for dirt control or compaction,
- watering of annual or **non-woody** plants, lawns, parks, golf course fairways, playing fields and other recreational areas,
- washing sidewalks, walkways, driveways, parking lots, tennis courts or other hard-surface areas,
- washing down buildings or structures for purposes other than immediate fire protection,
- flushing gutters or permitting water to run or accumulate in any gutter or street.

Outdoor Commercial or Public **Watering:**

- expanding nursery facilities, placing new irrigated agricultural land in production, or planting of landscaping except when required by a site design review process,
- use of water for dirt control or compaction,
- watering of lawns, parks, golf course fairways, playing fields and other recreational areas,
- washing sidewalks, walkways, driveways, parking lots, tennis courts or other hard-surface areas,
- washing down buildings or structures for purposes other than immediate fire protection,
- flushing gutters or permitting water to run or accumulate in any gutter or street.

Recreational uses other than those specified in Class 2.

Non-commercial washing of motor and other vehicles.

Air Conditioning (see also Class 2 purposes):

- refilling cooling towers after draining.

(d) "Base Entitlementⁿ" shall mean the monthly usage for a customer during the same month of the preceding calendar year or the average per customer usage for each class of service during the same month of the preceding year.

(e) "Curtailed Entitlementⁿ" shall mean the monthly usage for a customer after any curtailment percentage has been applied.

(f) "curtailment" shall mean the reduction in entitlement by some percentage to meet anticipated water shortages.

(g) **Water** Shortage Response Phases:

"Advisory" shall mean that conditions exist which indicate the potential for serious raw or treated water supply shortages.

"Alert" shall mean the raw or treated water supplies are consistently below seasonal averages, and if they continue to decline, may not be adequate to meet normal needs.

"Emergency" shall mean that raw or treated water supplies are below the level necessary to meet normal needs and that serious shortages exist in the area.

(h) "Rationing" shall mean that procedures must be established to provide for the equitable distribution of critically-limited raw or treated water supplies, in order to balance demand and limited available supplies, and to assure that sufficient water is available to preserve public health and safety.

Section 3. Applicability. The provisions of this Plan shall apply to all retail and wholesale customers of the _____
When implemented, this Plan becomes _____ Water Shortage Response Regulation.

Section 4. Entitlements. Entitlements shall be established for each customer by adjusting the base entitlement to reflect any known change in usage pattern.

Section 5. Determination of Water Shortage. Water supply and usage shall be monitored on a continuous basis. Unrestricted demand shall be projected from past records and adjusted for changes such as new developments and weather conditions on a regular basis. (Note: A sample calculation page is attached as Appendix A to assist in determining overall water levels. It is important that accurate water measurements be used.) **Water** shortages generally occur for two reasons, a reduction in available supplies or a system failure. Each of these has a distinct influence on the nature and duration of the conservation program implemented. Official declaration of a water shortage stage and implementation of the measures necessary to curtail water use shall be approved by the _____

Section 6. Term of Water Shortage Declaration. Any water shortage declaration shall **remain** in effect until water supplies of service conditions have returned to normal. A final determination as to terminating a water shortage declaration shall be made by the _____ of _____

Section 7. Water Shortage **Stage**, Criteria, Conservation and Curtailment Measures.

A. **Advisory Stage:**

(1) Criteria: A water advisory shall be declared when the amount of treated water or raw water available for treatment is projected to be up to 3 below demand, or there are periods of low **water pressure** in one or more areas of the distribution system due to system, failure or inadequacies or the State Division of Water issues a Water Shortage Watch which includes the areas from which the _____ draws water. **(Note: Additional conditions may be added based on local conditions.)**

(2) Conservation and Curtailment Measures:

- (a) Declare a Water Shortage Advisory.
- (b) Provide proper notice to all customers and to all local news media.
- (c) Eliminate all water leaks.
- (d) Request voluntary conservation of all non-essential (Class 3) water use.
- (e) Request wholesale customers also issue request for voluntary conservation by their customers of all non-essential (Class 3) water use.

B. Alert Stage:

(1) Criteria: A water alert shall be declared when the amount of treated water available is projected to be up to 3 below demand, or raw water supplies are consistently below seasonal averages and if they continue to decline, may not be adequate to meet normal needs. (Note: Additional conditions may be added based on local conditions.)

(2) Conservation and Curtailment Measures:

- (a) Declare Water Shortage Alert.
- (b) Provide proper notice to all customers and to all local news media.
- (c) Eliminate all water leaks.
- (d) Prohibit all non-essential (Class 3) water uses.

(e) Curtail entitlements to **all** customers by the same percentage as the projected shortage.

(f) Begin billing **all** Customer water usage in excess of curtailed entitlement at the normal rate plus an excess usage charge of _____ per 1,000 gallons.

C. Emergency Stage:

1. Criteria: A Water Emergency shall be declared when the amount of treated water available is projected to be up to 3 below demand, or there are periods of no water in one or more areas of the distribution system due to low water Supply or raw water supplies below the level necessary to meet normal needs. (Note: Additional conditions may be added based on local conditions.)-

2. conservation and Curtailment Measures:

- (a) Declare Water shortage Emergency.
- (b) Provide proper notice to all customers and to all local news media.
- (c) **Eliminate** all water leaks.
- (d) Prohibit all Class 3 uses of water.
- (e) Prohibit all 'class 2 uses of water except Domestic uses for kitchens, bathrooms and laundries.
- (f) Curtail all commercial and industrial entitlements (except Health Care Facilities) by 100%.
- (g) Curtail Residential entitlements by the same percentage as the projected shortage.
- (h) Curtail entitlements to all wholesale customers by the same percentage as the projected shortage.
- (i) Begin billing all customer water usage in excess of curtailed entitlement at the normal rate plus an excess usage charge of _____ per 1,000 gallons.

D. Rationing Stage:

1. Criteria: Treated water available is greater than 1 below demand or raw water supplies are below

a .

the level necessary to meet essential needs. and in the opinion Of _____, mandatory rationing is required to insure adequate water is available to maintain public health and safety.

2. Conservation and Curtailment Measures:

- (a) Declare Water Shortage Rationing.
- (b) Provide proper notice to all customers and to all local news media.
- (c) Eliminate all water leaks.
- (d) Prohibit all Class 3 and Class 2 uses of water.
- (e) Curtail all commercial and industrial entitlement (except Health Care Facilities) by 100%.
- (f) Curtail all residential and wholesale entitlements by the same percentage as the projected shortage.
- (g) Implement service interruptions to portions of system in accordance with approved published schedule. The schedule shall be provided to all local media.
- (h) Begin billing customer water usage in excess of curtailment entitlement at the normal rate plus an excess usage charge of _____ per 1,000 gallons.

Section 8. Enforcement of Water Restriction. Any person who violates the provisions of this Plan, who fails to carry out the duties and responsibilities imposed by this Plan, or who impedes or interferes with any action undertaken or ordered pursuant to this Plan shall be subject to the following:

- (a) If the utility official charged with implementation and enforcement of this Plan learns of any violation of any water use restriction imposed, a written notice of the violation shall be affixed to the property where the violation occurred and mailed to the customer of record. Said notice shall describe the violation and order that it be corrected, cured, or abated immediately or within 48 hours.
- (b) The notice will inform the customer of his or her right to appeal by requesting a hearing before the utility's designee. If a hearing is requested by the customer, he or she shall be given full opportunity to be heard

before termination. The governing body shall make findings of fact and decide whether service should **continue** or terminate.

- (c) Any customer whose water service is terminated for violating provisions of this water curtailment plan shall be subject to the approved reconnection fee prior to reconnection of service.
- (d) The excess usage charge billing provisions of this Plan shall not be put in effect if a county or city ordinance containing penalty provisions is in effect to assist enforcement of this Plan.

Section 9. Request for Exception.

(a) Exception to water use restrictions: If compliance with any curtailment measure authorized herein would cause a customer to bear extraordinary **hardship**, that individual or entity may apply to the _____ for an exception. For these **purposes**, "extraordinary hardship" shall be defined as a **condition** which may threaten health and safety, or cause property or economic losses, each of which must be shown to be substantially more severe than the sacrifices borne by other users. If extraordinary hardship is found to exist, then an exception shall be granted and a written waiver issued to the customer. If an appeal is made, water service shall be continued until a decision is announced. Any person aggrieved by the decision may file a complaint with the Public Service Commission.

- (b) **Exception** to curtailment surcharge: Exceptions to excess use charges shall not be considered or granted.

section 10. Severability. If any provision of this Plan is declared invalid by the courts, the remainder of the Plan and its applicability to other persons and circumstances shall not be affected by that declaration.

section 11. Effective Date. This Plan shall take effect immediately upon approval by the Public Service Commission.

SAMPLE

WATER SHORTAGE RESPONSE PLAN

XYZ WATER DISTRICT

section 1. Purpose. The purpose of this Plan is to provide for the declaration of official phases of water supply shortages and the implementation of voluntary and mandatory water conservation measures throughout the XYZ WATER DISTRICT in the event a shortage is declared.

Section 2. Definitions. These terms are applicable only for this Plan unless specifically noted.

- (a) **"Customer"** shall mean any person Or entity using water for any purpose from the XYZ Water District water distribution system and for which either a regular charge is made or, in the case of bulk sales, a cash charge is made at the site of delivery.
- (b) **"Raw Water Supplies"** shall mean all water potentially available to persons in the XYZ Water District
- (c) **"Treated Water"** shall mean water that has been introduced by the XYZ Water District into its water distribution system, including water offered for sale. Uses of treated water are classified as follows:

Essential Water uses (Class 1):

The following uses of water, listed by site or user type, are essential.

Domestic:

- water necessary to sustain human life and the lives of domestic pets, and to maintain minimum standards of hygiene and sanitation.

Health Care Facilities:

- patient care and rehabilitation, including related filling and operation of swimming pools.

water Hauling:

- sales of domestic use where not reasonably available elsewhere.

Public Use:

- firefighting,

- health and public protection purposes, if specifically approved by health officials.

Socially or Economically Important Uses (Class 2):

The following uses of water, listed by site or user type, are socially or economically important.

Domestic:

- personal, in-house water use including kitchen, bathroom and laundry.

Water Hauling:

- **non-domestic**, when other sources are not reasonably available elsewhere.

commercial and Civic **Use:**

- commercial car and truck washes,
- laundromats
- restaurants, clubs and eating places.
- schools, churches, **motels/hotels** and similar commercial establishments.

outdoor **Non-Commercial Watering:**

- minimal watering of vegetable gardens,
- minimal watering of trees **where** necessary to preserve them.

outdoor commercial or Public Watering (using conservation methods and when other sources of water are not **available** or feasible to **use**):

- agricultural irrigation for the production of food and fiber or the maintenance of livestock,
- watering by arboretums and public gardens of national, state, regional or community significance where necessary to preserve specimens,
- watering by commercial nurseries at a minimum level necessary to maintain **stock**,
- watering at a minimum rate necessary to establish or maintain revegetation or landscape plantings required pursuant to law or regulation,

- watering of woody plants where necessary to preserve them,
- minimal watering of golf course greens.

Recreational:

- operation of municipal swimming pools and residential pools that serve more than 25 dwelling units.

Air Conditioning:

- refilling for startup at the beginning of the cooling season,
- makeup of water during the cooling season,
- refilling specifically approved by health officials where the system has been drained for health protection or repair services.

on-Essential Uses (Class 3):

Any waste of water, as defined herein, is non-essential. The following uses of water, listed by site or user type, are non-essential.

Public Use:

- use of fire hydrants (excluding Class 1 and Class 2 uses), including use of sprinkler caps, testing fire apparatus and fire department drills,
- flushing of sewers and hydrants except as needed to ensure public health and safety as approved by health officials.

Commercial and Civic Use:

- serving water in restaurants, clubs, or **eating** places, except by customer request,
- failure to repair a controllable leak,
- increasing water levels in scenic and recreational ponds and lakes, except for the minimum amount required to support fish and wildlife.

Ornamental Purposes:

- fountains, reflecting pools and artificial waterfalls.

Outdoor Non-Commercial Watering:

- - use of water for dirt control or compaction,
- watering of **annual** or **non-woody** plants, lawns, parks, golf course fairways, playing fields and other recreational areas,
- washing sidewalks, walkways, driveways, parking lots, tennis courts or other hard-surface areas,
- washing down buildings' or structures for purposes other than immediate fire protection,
- flushing gutters or permitting water to run or accumulate in any gutter or street.

Outdoor Commercial or Public Watering:

- expanding nursery facilities, placing new irrigated agricultural land in production, or planting of landscaping except when required by a site design review process,
- use of water for dirt control or compaction,
- watering of lawns, parks, golf course fairways, playing fields and other recreational areas,
- washing sidewalks, walkways, driveways, parking lots, tennis courts or other hard-surface areas,
- washing down buildings or structures for purposes other than immediate fire protection;
- flushing gutters or permitting water to run or accumulate in any gutter or street.

Recreational uses other than those specified in Class 2.

Non-commercial washing of motor and other vehicles.

Air Conditioning (see also Class 2 purposes):

- refilling cooling towers after draining.

(d) "Base Entitlementⁿ shall mean the monthly usage for a customer during the same month of the preceding calendar year or the average per customer usage for each class of service during the same month of the preceding year.

(e) "Curtailed Entitlementⁿ shall mean the monthly usage for a customer after any curtailment percentage has been applied.

(f) "Curtailment" shall mean the reduction in entitlement by some percentage to meet anticipated water shortages.

(g) Water Shortage Response Phases:

"Advisory" shall mean that conditions exist which indicate the potential for serious raw or treated water supply shortages.

"Alert" shall mean the raw or treated water supplies are consistently below seasonal averages, and if they continue to decline, may not be adequate to meet normal needs.

"Emergency" shall mean that raw or treated water supplies are below the level necessary to meet normal needs and that serious shortages exist in the area.

(h) "Rationing" shall mean that procedures must be established to provide for the equitable distribution of critically-limited raw or treated water supplies, in order to balance demand and limited available supplies, and to assure that sufficient water is available to preserve public health and safety.

Section 3. Applicability. The provisions of this Plan shall apply to all retail and wholesale customers of the XYZ Water District. When implemented, this Plan becomes XYZ Water District Water Shortage Response Regulation.

Section 4. Entitlements. Entitlements shall be established for each customer by adjusting the base entitlement to reflect any known change in usage pattern.

Section 5. Determination of Water Shortage. Water supply and usage shall be monitored on a continuous basis. Unrestricted demand shall be projected from past records and adjusted for changes such as new developments and weather conditions on a regular basis. (Note: A sample calculation page is attached as Appendix A to assist in determining overall water levels. It is important that accurate water measurements be used.) Water shortages generally occur for two reasons, a reduction in available supplies or a system failure. Each of these has a distinct influence on the nature and duration of the conservation program implemented. Official declaration of a water shortage stage and implementation of the measures necessary to curtail water use shall be approved by the XYZ Fiscal Court of XYZ Water District.

Section 6. Term of Water Shortage Declaration. Any water shortage declaration shall remain in effect until water supplies of service conditions have returned to normal. A final determination as to terminating a water shortage declaration shall be made by the Chairman of XYZ W.D.

Section 7. Water Shortage **Stage, Criteria,** Conservation and Curtailment Measures.

A. Advisory Stage:

(1) Criteria: A water advisory shall be declared when the amount of treated water or raw water available for treatment is projected to be up to 3 below demand, or there are periods of low water pressure in one or more areas of the distribution system due to system failure or inadequacies or the State Division of Water issues a **Water Shortage Watch** which includes th areas from which the XYZ Water District draws water. (Note: Additional conditions may be added based on local conditions.)

(2) Conservation and Curtailment Measures:

- (a) Declare a Water Shortage Advisory.
- (b) Provide proper notice to all customers and to all local news media.,
- (c) Eliminate all water leaks.
- (d) Request voluntary conservation of all non-essential (Class 3) water use.
- (e) Request wholesale customers also **issue request** for voluntary conservation by their customers of all non-essential (Class 3) water use.

8. Alert Stage:

(1) Criteria: A water alert shall be declared when the amount of treated water available is projected to be up to 10 below demand, or raw water supplies are consistently below seasonal averages and if they continue to decline, may not be adequate to meet normal needs. (Note: Additional conditions may be added based on local conditions.)

(2) Conservation and Curtailment Measures:

- (a) Declare Water Shortage Alert.
- (b) Provide proper notice to all customers and to all local news media.
- (c) Eliminate all water leaks.
- (d) Prohibit all non-essential (Class 3) water uses.

- (e) curtail entitlements to **all** customers by the same percentage as the projected shortage.
- (f) Begin billing all **customer** water usage in excess of curtailed entitlement at the normal rate plus an excess usage charge of \$3.00 per 1,000 gallons.

C. Emergency Stage:

1. Criteria: A Water Emergency shall be declared When the amount of treated water available is projected to be up to 20% below demand, or there are periods of no water in one or more areas of the distribution system due to low water supply or raw water supplies below the level necessary to meet normal needs. (Note: Additional conditions may be added based on local conditions.).
2. conservation and Curtailment Measures:
 - (a) Declare Water Shortage **Emergency.**
 - (b) Provide proper notice to all customers and to all local news media.
 - (c) Eliminate all water leaks.
 - (d) Prohibit all Class 3 uses of water.
 - (e) prohibit all Class 2 uses of water except Domestic uses for kitchens, bathrooms and laundries.
 - (f) Curtail all commercial and industrial entitlements (except Health Care Facilities) by 100%.
 - (g) Curtail Residential entitlements by the same percentage as the projected shortage.
 - (h) Curtail entitlements to all wholesale customers by the same percentage as the projected shortage.
 - (i) Begin billing all customer water usage in excess of curtailed entitlement at the normal rate plus an excess usage charge of \$7.00 per 1,000 gallons.

D. Rationing Stage:

1. Criteria: Treated water available is **greater than** 40% below demand or raw water, supplies are below

the level **necessary** to meet **essential** needs, and in the opinion of XYZ Water District, mandatory rationing is required to insure adequate water is available to maintain public health and safety.

2. Conservation and Curtailment Measures:

- (a) Declare Water Shortage Rationing.
- (b) Provide proper notice to all customers and to all local news media.
- (c) Eliminate all water leaks.
- (d) Prohibit all Class 3 and Class 2 uses of water.
- (e) Curtail all commercial and industrial entitlement (except Health Care Facilities) by 100%.
- (f) Curtail all residential and wholesale entitlements by the same percentage as the projected shortage.
- (g) Implement service interruptions to portions of system in accordance with approved published schedule. The schedule shall be provided to all local media.
- (h) Begin billing customer water usage in excess of curtailment entitlement at the normal rate plus an excess usage charge ~~of \$~~ 15.00 per 1,000 gallons.

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Section 8. Enforcement of Water Restriction. Any person who violates the provisions of this Plan, who fails to carry out the duties and responsibilities imposed by this Plan, or who impedes or interferes with any action undertaken ~~or~~ ordered pursuant to this Plan shall be subject to the following:

- (a) If the utility official charged with implementation and enforcement of this Plan learns of any violation ~~of~~ any water use restriction imposed, a written notice of the violation shall be affixed to the property where the violation occurred and mailed to the customer of record. Said notice shall describe the violation and order that it be corrected, cured, or abated immediately or within 48 hours.
- (b) The notice will inform the customer of his or her right to appeal by requesting a hearing before the utility's designee. If a hearing is requested by the customer, he or she shall be given full opportunity to be heard

before termination. The governing body shall make findings of fact and decide whether service **should continue** or terminate.

- (c) **Any** customer whose water service is terminated for violating provisions of this water curtailment plan shall be subject to the approved reconnection fee prior to reconnection of service.
- (d) The excess usage charge billing provisions of this Plan shall not be put in effect if a county or city ordinance containing penalty provisions is in effect to assist enforcement of this Plan.

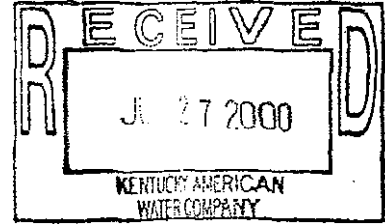
Section 9. Request for Exception.

(a) Exception to water use restrictions: If compliance with any curtailment measure authorized herein would cause a customer to bear extraordinary hardship, that individua or entity may apply to the XYZ Water Dis it for an exception. For these purposes, "extraordinary hardship" shall be defined as a condition which may threaten health and safety, or cause property or economic losses, each of which must be shown to be substantially more severe than the sacrifices borne by other users. If extraordinary hardship is found to exist, then an **exception shall** be granted and a written waiver issued to the customer. If an appeal is made, water service shall be continued until a decision is announced. Any person aggrieved by the decision may file a complaint with the Public Service Commission.

- (bj) Exception to curtailment surcharge: Exceptions to excess use charges shall not be considered or granted..

Section 10. Severability. If any provision of this Plan is declared invalid by the courts, the remainder of the Plan and its applicability to other persons and circumstances shall not be affected by that declaration.

Section 11. Effective Date. This Plan shall take effect immediately upon approval by the Public Service Commission.



Lexington-Fayette Urban County Government

Pam Miller, Mayor

July 24, 2000

Mr. Nick **Rowe**
Kentucky-American Water Company
2300 Richmond Road
Lexington, KY 40502

Re: Amendment to Section 11-9
Code of Ordinances to Change
Water **Shortage** Response Plan

Dear Nick:

In regard to the above referenced Amendment, enclosed please find the following:

- (1) Section 11-9 Water Shortage Response - in effect prior to Council action of July 13, 2000; and
- (2) Ordinance 221-2000, passed by the Urban County Council on July 13, 2000, amending Section 11-9 of the Code of Ordinances to Change the Water Shortage Response Plan to a **More** Detailed Six-Phase Process in Accordance with the Water Shortage Response Program of the Demand Management Plan of Kentucky-American Water Company, etc.

Hopefully the attached will bring your records current; however, should there be anything further you might require, please so advise.

Sincerely,

Robert D. Wiseman
Executive Assistant to the Mayor

cc: Linda Bridwell
Herb Miller

Sec. 11-9. Water shortage response.

- (a) The purpose of this section is to provide for the declaration of official phases of **water supply** shortage situations and the implementation of voluntary and mandatory **water conservation** measures throughout Fayette County in the event a shortage is declared.
- (b) Whenever an **officer** of Kentucky-American Water Company, the public purveyor of **potable** water in Fayette County, finds that a potential shortage of **the** supply of treated water **exists** or will exist, upon written certification thereof to the mayor of the **urban** county government, the mayor may publicly declare a "Water Shortage **Advisory**." In addition to the declaration, the mayor shall call upon **all** customers of Kentucky-American Water Company to employ voluntary water conservation and to eliminate the waste of all treated water.
- (c) Whenever an **officer** of Kentucky-American Water Company, the public purveyor of **potable** water in Fayette County, finds that a condition exists where it will not be able to **meet the** expected needs of its customers, upon written certification thereof to the **mayor** of the urban county government, the mayor may publicly declare a "Water Shortage Alert." In addition to the declaration, the mayor may call upon **all** customers of Kentucky-American Water Company to employ voluntary water conservation, and to **eliminate** the waste of all treated water and to use treated water outside of buildings (such usage to include, but not limited to, car washing, driveway washing, **filling of swimming** pools; use and filling of fountains and watering of lawns, bushes and **trees**) only in accordance with the following schedule:
 - (1) **Outside** use for addresses ending in an odd number shall be limited to **Tuesdays, Thursdays and Saturdays**; and
 - (2) **Outside** use for addresses ending in an even number shall be limited to **Wednesdays, Fridays and Sundays**.
- (d) Whenever an **officer** of Kentucky-American Water Company, the public purveyor of **potable** water in Fayette County, finds that Kentucky-American Water Company is unable to meet the expected needs of its customers and that such a condition will **exist** for some period of time in the future, and upon written certification thereof to the **mayor** of the urban county government, the mayor may publicly declare a "Water Shortage **Emergency**." In addition to the declaration, the mayor may call upon all customers of Kentucky-American Water Company to employ voluntary water conservation, and to **eliminate** the waste of all treated water, to eliminate the use of water **outside of** buildings, and to use water only as necessary to maintain minimum standards of hygiene and sanitation, and to provide for essential health and public protection purposes.
- (e) Whenever the Mayor has declared a "water shortage **alert**" or "water shortage emergency" pursuant to subsections (c) or (d) of this section, he or the **commissioner** of public safety may promulgate such administrative regulations governing all water **usage** in Fayette County by all customers of Kentucky-American Water Company as may, in the discretion of the mayor or public safety commissioner, appear necessary to protect the health and public safety of the residents of Fayette County in a manner consistent with the terms of this section.
- (f) The declaration of a water shortage advisory, **water** shortage alert or water shortage emergency shall continue until an officer of Kentucky-American Water Company **finds** that the conditions calling for the declaration no longer exist, and upon **written** certification thereof to the mayor of the urban county government, the mayor **may**

publicly declare the condition no longer existing.

- (g) Any **person** who violates the provisions of subsection (c) of this section shall be **subject** to a **fine** not to exceed two hundred fifty dollars (\$250.00). Any person who violates the provisions of subsection (d) of this section shall be subject to a **fine** not to exceed **two** hundred fifty dollars (\$250.00) and up to ninety (90) days imprisonment. Each day in violation of the terms of subsections (c) or (d) of this section shall **constitute** a separate offense.

(Ord. No. 135-88, § 1, 6-28-88)

ORDINANCE NO. 221-2000

AN ORDINANCE AMENDING SECTION 11-9 OF THE CODE OF ORDINANCES TO CHANGE THE WATER SHORTAGE RESPONSE PLAN TO A MORE DETAILED **SIX-PHASE** PROCESS IN ACCORDANCE WITH THE WATER SHORTAGE RESPONSE PROGRAM OF THE DEMAND MANAGEMENT PLAN OF KENTUCKY-AMERICAN WATER COMPANY; PROVIDING THAT DECLARATIONS ISSUED BY THE MAYOR PURSUANT TO THIS SECTION SHALL APPLY TO CUSTOMERS OF ALL WATER PURVEYORS IN FAYETTE COUNTY; PROVIDING THAT THE MAYOR MAY PROMULGATE ADMINISTRATIVE REGULATIONS GOVERNING **WATER** USAGE BY **CUSTOMERS** OF ALL WATER PURVEYORS IN FAYETTE COUNTY; CREATING **THE** LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT WATER CONSERVATION APPEALS BOARD WITH THE POWER TO INTERPRET, ADJUST, OR ISSUE VARIANCES FROM NECESSARY LOCAL WATER USE REGULATIONS AND HEAR APPEALS FROM WATER RESTRICTIONS; AND ELIMINATING IMPRISONMENT AS A PERMISSIBLE PENALTY FOR VIOLATING THIS SECTION.

WHEREAS. Section 11-9 of the Code of Ordinances relating to water shortage situations and conservation measures is not in conformity with the Demand Management Plan of Kentucky-American water company; and

WHEREAS. close cooperation between Kentucky-American Water company, the chief water purveyor in Fayette County, and the Lexington-Fayette Urban County Government is essential in managing Water resources; and

WHEREAS. the Council is desirous of amending Code Section 11-9 to a six-phase process in accordance with the **Water** Shortage Response Program of the Demand Management Plan of Kentucky-American Water Company; and

WHEREAS, Section 11-9 of the Code of Ordinances was enacted in 1988 to deal with the water shortage situation **facing** Fayette County at **that time**; and

WHEREAS, Code Section 11-9 fails to recognize that the **Spears** Water District is a water purveyor in Fayette County, along with Kentucky-American Water Company; and

WHEREAS, a Water Conservation Appeals Board is necessary to interpret, adjust, or issue variances from necessary local water use regulations in order to meet water use withdrawal restrictions as such are imposed on the water purveyors in Fayette County by **state** agencies and to give customers of water

.....

purveyors in Fayette County the ability to appeal certain water restriction decisions; and

WHEREAS, the Council is desirous of eliminating imprisonment as a permissible penalty for violating Code Section 11-9;

NOW, THEREFORE, BE IT ORDAINED BY THE COUNCIL OF THE LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT:

Section 1 - That Section 11-9 of the Code of Ordinances of the Lexington-Fayette Urban County Government be and hereby is amended to read as follows:

Sec. 11-9. Water Shortage Response.

(1) The purpose of this section is to provide for the declaration of official phases of water supply shortage situations and the implementation of voluntary and mandatory water conservation measures throughout Fayette County in the event a shortage is declared.

1a) Phase I - Preliminary Watch.

Whenever an officer of Kentucky-American Water Company, the chief public purveyor of potable water in Fayette County, finds that it is necessary to internally monitor river flows, daily pumpage, and weather forecasts, the mayor of the urban county government will be notified that the "Preliminary Watch" phase of the Water Shortage Response Program of the Demand Management Plan of Kentucky-American Water Company has been implemented.

(b) Phase II - Water Shortage Advisory.

Whenever an officer of Kentucky-American Water Company, the chief public purveyor of potable water in Fayette County, finds that a potential shortage of the supply of treated water exists or will exist, and certifies such finding in writing to the mayor of the urban county government, the mayor may publicly declare a "Water Shortage Advisory." In addition to the declaration, the mayor shall call upon all customers of Kentucky-American Water Company and any other water purveyor in Fayette County to employ voluntary water conservation, including but not limited to voluntarily

complying with the mandatory restrictions contained in Phase III and eliminating the waste of all treated water.

- (c) Phase III - Water Shortage Partial Alert.
Whenever an officer of Kentucky-American Water Company, the chief public purveyor of potable water in Fayette County, finds that there are visible or measurable signs that the supply of water is significantly lower than the seasonal norm and is diminishing or customers have not met the established goal of demand reduction, and to the mayor of the urban county government, the mayor may publicly declare a "Water Shortage Partial Alert." In addition to the declaration, the mayor may call upon all customers of Kentucky-American Water Company and any other water purveyor in Fayette County to employ voluntary water conservation, and to eliminate the waste of all treated water. The use of treated water outside of buildings (such usage to include, but not limited to, car washing, driveway washing, filling of swimming pools, use and filling of fountains and watering of lawns, bushes and trees) shall be restricted in accordance with the following schedule:
- i. Outside use for addresses ending in an odd number shall be limited to Tuesdays, Thursdays and Saturdays from 6:00 a.m. to 10:00 a.m. and 6:00 p.m. to 10:00 p.m.; and
 - ii. Outside use for addresses ending in an even number shall be limited to Wednesdays, Fridays and Sundays from 6:00 a.m. to 10:00 a.m. and 6:00 p.m. to 10:00 p.m.
- (d) Phase IV - Water Shortage Full Alert.
Whenever an officer of Kentucky-American Water Company, the chief public purveyor of potable water in Fayette County, finds that there are measurable signs that the water supply is diminishing and/or that customer demand levels have not been reduced to a level where they can continue to be met under the current situation, and certifies such finding in writing to the mayor of the urban county government, the mayor may publicly declare a "Water Shortage Full Alert." In addition to the declaration, the mayor may call upon all customers of Kentucky-American Water Company and any

other water purveyor in Fayette County to employ voluntary water conservation. and to voluntarily eliminate nonessential water use and reduce essential water use. All nonessential water usage will be restricted to the **odd/even** schedule set forth in Phase III above, provided that the following nonessential uses will be eliminated: lawn watering, vehicle washing other than at **commercial** establishments, filling of private residential pools, and the use of or filling of ornamental fountains.

(e) Phase V - Water Shortage Emergency.

Whenever an officer of **Kentucky-American Water Company**, the chief public purveyor of potable water in Fayette County, finds that **Kentucky-American Water Company** is experiencing a water shortage such that it is unable to meet the expected demands of its customers, and certifies such finding in writing to the mayor of the urban county government, the mayor may publicly declare a "Water Shortage Emergency." In addition to the declaration, the Mayor may call upon all customers of **Kentucky-American Water Company** and any other water purveyor in Fayette County to eliminate all nonessential uses of treated water and to voluntarily ration essential water use. Essential water use is defined as follows:

- i. Domestic: Essential domestic use is that usage necessary to sustain human and animal life, and such usage necessary to maintain minimum standards of hygiene and sanitation for both.
- ii. Health Care Facilities: Essential usage by health care facilities is that usage necessary for patient care and rehabilitation, including related filling and operation of **swimming pools**,
- iii. Water Hauling: Water hauling sales for domestic usage shall be permitted if potable water is not available elsewhere.
- iv. Public Use: Essential public usage is such usage necessary for firefighting and health and public protection purposes, provided such health and public protection purposes have been approved by

health officials or by the mayor of the urban county government.

- v. **Commercial/Institutional Use:**
Essential use is such minimal usage necessary to avoid severe economic loss or significant unemployment.

All other water uses shall be prohibited except as declared by the Mayor.

(f) Phase VI - Water Shortage Rationing.

Whenever an officer of Kentucky-American Water Company, the chief public purveyor of potable water in Fayette County, finds that the water supply is clearly inadequate to meet the projected demands of Kentucky-American Water Company's customers, and certifies such finding in writing to the mayor of the urban county government, the mayor, following consultation with the Kentucky River Authority and the Kentucky Division of Water, may publicly declare a "Water Shortage Rationing." In addition to the declaration, the mayor may call upon customers of Kentucky-American Water Company and any other water purveyor in Fayette County to initially limit their water usage as follows:

- i. Water usage levels for hospitals and health care facilities shall be separately established for each individual institution to the extent that compliance will not endanger health of the patients or residents of said institution.
- ii. The mayor may further amend the Water Shortage Rationing declaration to revise the declaration as need be to meet ongoing water availability conditions.
- iii. It is anticipated that during Phase VI Kentucky-American Water Company and all other Fayette County purveyors of water will implement additional measures necessary to force customers to further restrict water use. These additional measures, which are independent of those taken by the mayor or the urban county government, are required by law to be approved by and/or filed with the Kentucky Public Service Commission, and include but are not necessarily limited to the

implementation of revised pricing structures specifically designed to monetarily penalize excessive water use within all customer classes, otherwise known as "drought tariffs", and the temporary reduction or interruption of service to those customers not otherwise responding to reduction targets.

(2) Whenever the mayor of the urban county government has declared a water shortage advisory, water shortage partial alert, water shortage full alert, water shortage emergency, or water shortage rationing pursuant to this section, the mayor may promulgate such administrative regulations governing all water usage in Fayette County by all customers of ~~Kentucky-~~American Water Company and any other water purveyor in Fayette County as may, in the discretion of the mayor, appear necessary to protect the health and public safety of the residents of Fayette County in a manner consistent with the terms of this section.

(3) Lexington-Fayette Urban County Government Water Conservation Appeals Board.

(a) Created.

A board is hereby created which shall be known as the Lexington-Fayette Urban County Government Water Conservation Appeals Board, hereinafter referred to as the "Board".

(b) Purpose.

The Board is established to interpret, adjust, or issue variances from necessary local water *use* regulations in order to meet water use withdrawal restrictions as such are imposed on the water purveyors in Fayette County by state agencies, and to consider the appeal of any person or entity who may be aggrieved by the implementation of the water restrictions contained in this section.

i. In addition to any other authority expressly provided for in this section, the Board shall have the authority to interpret and adjust necessary local water use regulations pertaining to, but not limited to the following:

residential lawn watering, pool filling, and ornamental fountain use; the watering of golf courses, agriculture, and athletic fields; water usage levels for commercial purposes; and the water usage levels for hospitals and health care facilities during a Phase VI declaration.

- ii The Board may consider providing relief through issuing variances to any person or entity aggrieved by a declaration related to water conservation prior to the assessment of a fine for violation of this section as provided for in subsection (5).
- iii The Board shall not consider the appeal of a fine that has already been assessed pursuant to this section.
- iv. The Board shall not consider the appeal of a drought tariff or other restrictive measure imposed on a customer by Kentucky-American Water Company or any other Fayette County water purveyor.

(c) Membership.

The Board shall consist of the following seven (7) members or their respective designees: the mayor, who shall serve as the Chairperson; the President of Kentucky-American Water Company; the Commissioner of the Health Department; the Commissioner of Public Safety; the Chief of Police; the Commissioner of Public Works; and the Vice Mayor.

(d) Meetings.

The Chairperson or a majority of the members of the Board shall have the authority to call meetings of the Board as he or she deems necessary, however, the Board must meet on at least a weekly basis during the implementation of Phases III - VI of this section.

(e) Bylaws.

The Board may adopt bylaws as are necessary to carry out its duties as set forth in this section.

- (4) The declaration of a water shortage advisory, water shortage partial alert, water shortage full alert, water shortage

emergency or water shortage rationing shall continue until an officer of Kentucky-American Water Company finds that the conditions calling for the declaration no longer exist, and certifies such finding in writing to the mayor of the urban county government. At that time the mayor may publicly declare the condition no longer existing.

- (5) Any person who violates the provisions of this section, or any declaration or regulation governing water usage adopted by the mayor of the urban county government under the authority of this section, shall be subject to a fine not to exceed two hundred fifty dollars (\$250.00). Each day in violation of the terms of this section or any such declaration or regulation shall constitute a separate offense.


Section 2 - That this ordinance shall become effective on the date of its passage.

PASSED URBAN COUNTY COUNCIL: July 13, 2000



MAYOR

ATTEST:



CLERK OF URBAN COUNTY COUNCIL

PUBLISHED: July 20, 2000-1t

ord030

EMERGENCY PRICING TARIFF

The Emergency Pricing Tariff shall be in effect during the time when the Company is in the Water Shortage Rationing Phase of its Demand Management Plan as on file with the Commission.

Applicable

Applicable to Residential, Commercial, Industrial, Other Public Authority, and Sales for Resale customers in the Central Division (Bourbon, Clark, Harrison, Fayette, Jessamine, Scott and Woodford Counties) of Kentucky-American Water Company. On an individual customer basis, base usage for hospitals and other health care facilities will be established that will not endanger the health of patients or residents and may differ from base usage calculated using methodologies set forth below.

Availability of Service

Available for Residential, Commercial, Industrial, Other Public Authority, and Sales for Resale customers.

Rates

(N) Residential

1. On an individual customer basis, base usage will be calculated as the average of monthly base period usage.
2. Base period shall be the immediately preceding non-drought Fall/Winter (November-April) period. For customers not billed for a full base period, the base usage will be the same as that used by the Company to calculate sewer bills for the Lexington-Fayette Urban County Government in similar cases.
3. On an individual customer basis, usage less than or equal to base usage will be billed at the regular tariff rate.
4. On an individual customer basis, usage exceeding base usage by up to twenty-five percent (25%) will be billed at five (5) times the regular tariff rate.
5. On an individual customer basis, usage exceeding twenty-five percent (25%) above base usage will be billed at ten (10) times the regular tariff rate.
6. On an individual customer basis, usage exceeding base usage by fifty percent (50%) or more for two (2) consecutive meter readings shall receive personal communication regarding usage.
7. On an individual customer basis, usage exceeding base usage by fifty percent (50%) or more for three (3) consecutive meter readings may be subject to

ISSUED: _____ EFFECTIVE: _____

ISSUED BY: _____

disconnection of service with a forty-eight hour (48-hour) notice for which regular reconnection fees will apply.

8. Base usage may be reduced periodically by an amount equal to the then current projected shortage percentage if emergency or drought conditions persist or if the necessary level of demand reduction is not achieved.

(N) Commercial

1. On an individual customer basis, base usage will be calculated as the average of monthly base period usage.
2. Base period shall be the immediately preceding non-drought twelve-month (12-Month) period. For customers not billed for a full base period, the base usage will be the same as that used by the Company to calculate sewer bills for the Lexington-Fayette Urban County Government in similar cases.
3. On an individual customer basis, usage less than or equal to base usage will be billed at the regular tariff rate.
4. On an individual customer basis, usage exceeding base usage by up to fifteen percent (15%) will be billed at five (5) times the regular tariff rate.
5. On an individual customer basis, usage exceeding fifteen percent (15%) above base usage will be billed at ten (10) times the regular tariff rate.
6. On an individual customer basis, usage exceeding base usage by fifty percent (50%) or more for two (2) consecutive meter readings shall receive personal communication regarding usage.
7. On an individual customer basis, usage exceeding base usage by fifty percent (50%) or more for three (3) consecutive meter readings may be subject to disconnection of service with a forty-eight hour (48-hour) notice for which regular reconnection fees will apply.
8. Base usage may be reduced periodically by an amount equal to the then current projected shortage percentage if emergency or drought conditions persist or if the necessary level of demand reduction is not achieved.

(N) Industrial

1. On an individual customer basis, base usage will be calculated as the average of monthly base period usage.
2. Base period shall be the immediately preceding non-drought Spring/Summer (May-October) period. Consideration will be given, when appropriate, to significant increases in industrial output or other design changes. For customers not billed for a full base period, the base usage will be the same as that used by the Company to calculate sewer bills for the Lexington-Fayette Urban County Government in similar cases.
3. On an individual customer basis, usage less than or equal to base usage will be billed at the regular tariff rate.

ISSUED: _____ EFFECTIVE: _____

ISSUED BY: _____

4. On an individual customer basis, usage exceeding base usage by up to fifteen percent (15%) above base usage will be billed at five (5) times the regular tariff rate.
5. On an individual customer basis, usage exceeding fifteen percent (15%) above base usage will be billed at ten (10) times the regular tariff rate.
6. On an individual customer basis, usage exceeding base usage by fifty percent (50%) or more for two (2) consecutive meter readings shall receive personal communication regarding usage.
7. Base usage may be reduced periodically by an amount equal to the then current projected shortage percentage if emergency or drought conditions persist or if the necessary level of demand reduction is not achieved.

(N) Other Public Authority

1. On ~~an~~ individual customer basis, base usage will be calculated as the average of monthly base period usage.
2. Base period shall be the immediately preceding non-drought twelve-month (12-Month) period. For customers not billed for a full base period, the base usage will be the same as that used by the Company to calculate sewer bills for the Lexington-Fayette Urban County Government in similar cases.
3. On an individual customer basis, usage less than or equal to base usage will be billed at the regular tariff rate.
4. On an individual customer basis, usage exceeding base usage by up to fifteen percent (15%) above base usage will be billed at five (5) times the regular tariff rate.
5. On ~~an~~ individual customer basis, usage exceeding fifteen percent (15%) above the base usage will be billed at ten (10) times the regular tariff rate.
6. On an individual customer basis, usage exceeding base usage by fifty percent (50%) or more for two (2) consecutive meter readings shall receive personal communication regarding usage.
7. On ~~an~~ individual customer basis, usage exceeding base usage by fifty percent (50%) or more for three (3) consecutive meter readings may be subject to disconnection of service with a forty-eight hour (48-hour) notice for which regular reconnection fees will apply.
8. Base usage may be reduced periodically by an amount equal to the then current projected shortage percentage if emergency or drought conditions persist or if the necessary level of demand reduction is not achieved.

(N) Sales for Resale

1. On an individual customer basis, base usage will be calculated as the average of monthly base period usage.
2. Base period shall be the immediately preceding non-drought twelve-month (12-Month) period. For customers not billed for a full base period, the base

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ISSUED BY: _____

usage will be the same as that used by the Company to calculate sewer bills for the Lexington-Fayette Urban County Government in similar cases.

3. On an individual customer basis, usage less than or equal to base usage will be billed at the regular tariff rate.
4. On an individual customer basis, usage exceeding base usage by up to fifteen percent (15%) above base usage will be billed at five (5) times the regular tariff rate.
5. On an individual customer basis, usage exceeding fifteen percent (15%) above base usage will be billed at ten (10) times the regular tariff rate.
6. On an individual customer basis, usage exceeding base usage by fifty percent (50%) or more for two (2) consecutive meter readings shall receive personal communication regarding usage.
7. Base usage may be reduced periodically by an amount equal to the then current projected shortage percentage if emergency or drought conditions persist or if the necessary level of demand reduction is not achieved.

(N) Indicates new tariff.

ISSUED: _____ EFFECTIVE: _____

ISSUED BY: _____