

KENTUCKY AMERICAN WATER COMPANY
WATER DEMAND MODEL
U of L PROJECTIONS & UNACCOUNTED-FOR of 13%

MODEL UPDATE
RUN DATE
FILENAME

MARCH, 1992
02/14/02
94UPDTHI.WK1

ELAST. % OF USE
0.1 85.0%
0.5 15.0%
0.1 100.0%
0 100.0%
0.1 100.0%
0.1 100.0%
5.00% 5.00%
5.00% 5.00%

ADVANCED PLUMBING CODE EFFECTS CALCULATION

ASSUMED INFLATION RATE FOR YEAR (CPI)

5.00% 5.00% 5.00% 5.00% 5.00% 5.00% 5.00% 5.00%

LOSSES AND NON REVENUE USES FOR YEAR
% GROWTH FOR YEAR - REFERENCE CASE

1.1% 1.1% 1.0%
1.1% 0.0% 1.1%

13.0% 13.0% 13.0% 13.0% 13.0% 13.0% 13.0% 13.0% 13.0% 13.0% 13.0% 13.0% 13.0% 13.0% 13.0% 13.0% 13.0% 13.0% #
1.0% 0.9% 0.8% 0.8% 0.7% 0.7% 0.6% 0.6% 0.5% 0.5% 0.2% 1.9% 1.6% 1.1%
1.3% 0.5% 0.9% 0.9% 0.8% 0.8% 0.8% 0.8% 0.7% 0.7% 2.6% 2.6% 1.6% 0.1%
0.9% 0.9% 0.8% 0.8% 0.7% 0.7% 2.6% 2.6% 1.6% 0.1%

UNIT WATER SAVINGS, GDU
TOILETS 21.12 20.20
SHOWERHEADS 10.03 10.90
FAUCETS 13.73 3.00
ELIGIBLE POPULATION,%
TOILETS 0.15 0.65
SHOWERHEADS 0.25 0.9
FAUCETS 0.25 0.9

CALENDAR YEAR

1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2005 2010 2015 2020

TOTAL POPULATION (FAYETTE CO)
APARTMENT POPULATION
U OF K FULL TIME RESIDENTS
INMATES OF INSTITUTIONS

217701 220526 222912 222904 225366 228334 229500 231567 233634 235701 237504 239306 241108 242911 244713 251167 257621 261629.19 261936
70546 71462 72235 72232 75741 76738 77130 77825 78520 79214 79820 80426 81032 81638 82243 84412 86581 87928 88031
8153 8200 8200 8200 8200 8200 8200 8200 8200 8200 8200 8200 8200 8200 8200 8200 8200 8200 8200
3793 4116 4439 4761 5084 5151 5177 5224 5271 5317 5358 5398 5439 5480 5520 5666 5812 5902 5909

REMAINING POPULATION SERVED

135209 136748 138039 137710 136341 138245 138992 140318 141644 142969 144126 145282 146437 147594 148749 152889 157028 159599 159796

PER CAPITA USE (in gpd)
Single Family Residential

85.55 89.11 85.17 76.10 79.49 80.41 76.41 82.08 78.85 78.73 78.61 78.49 78.41 78.36 78.36 78.36 78.36 78.36
11.57 12.19 11.76 10.48 10.84 11.12 10.62 11.52 11.52 11.17 11.26 11.33 11.40 11.48 11.57 11.66 11.98 12.51 12.52

Residential use (in mgd).....

11.57 12.19 11.76 10.48 10.84 11.12 10.62 11.52 11.17 11.26 11.33 11.40 11.48 11.57 11.66 11.98 12.31 12.51 12.52

APARTMENT POPULATION

70546 71462 72235 72232 75741 76738 77130 77825 78520 79214 79820 80426 81032 81638 82243 84412 86581 87928 88031

PER CAPITA USE (in gpd)

79.66 83.04 78.91 80.71 75.56 74.75 75.11 77.26 77.03 77.33 77.64 77.94 77.89 77.87 77.87 77.87 77.87 77.87

Multi-Family Residential
Garden Apartments
High Rise Apartments

1.37 1.41 1.39 1.33 1.40 1.40 1.42 1.48 1.37 1.39 1.40 1.42 1.48 1.37 1.39 1.40 1.42 1.48
4.20 4.47 4.26 4.45 4.27 4.28 4.32 4.47 4.20 4.47 4.26 4.45 4.27 4.28 4.32 4.47 4.20 4.47
0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.06 0.05 0.05 0.05 0.05 0.06 0.05 0.05 0.05 0.05 0.06

Apartment use (in mgd).....

5.62 5.93 5.70 5.83 5.72 5.74 5.79 6.01 6.05 6.13 6.20 6.27 6.31 6.36 6.40 6.57 6.74 6.85 6.85

OUTSIDE COUNTIES (see "Counties" files)

Individual Cust. Use (in mgd)....
Bulk Sales Use (in mgd).....

0.40 0.44 0.45 0.42 0.45 0.48 0.49 0.49 0.50 0.50 0.50 0.50 0.50 0.50 0.51 0.51 0.52 0.52 0.52
0.53 0.77 0.73 0.61 0.58 0.64 0.63 0.78 0.86 0.90 0.95 1.00 1.04 1.07 1.11 1.29 1.45 1.55 1.64

COMMERCIAL USE (mgd)

7.75 8.10 7.74 7.18 7.48 7.79 7.53 7.91 8.03 8.11 8.20 8.25 8.31 8.37 8.43 8.65 8.87 9.01 9.02

TOYOTA USAGE

0.41 0.74 0.89 0.94 1.09 1.05 1.59 1.69 1.76 1.76 1.76 1.76 1.76 1.76 1.76 1.76 1.76 1.76

INDUSTRIAL USE (mgd,non-TOYOTA))

1.64 1.58 1.49 1.36 1.44 1.39 1.23 1.24 1.30 1.31 1.32 1.33 1.34 1.35 1.36 1.40 1.44 1.46 1.46

UNIVERSITY OF KENTUCKY

U of K Base Demand

(Main Campus only)

1.20 1.31 1.30 1.50 1.46 1.56 1.48 1.58 1.59 1.59 1.59 1.59 1.59 1.59 1.59 1.59 1.59 1.59

U of K Population

23696 22461 22696 22931 23165 23400 23400 23400 23400 23400 23400 23400 23400 23400 23400 23400 23400 23400 23400

U of K per student use (g/d)

10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00

U of K student usage (mgd).....

0.24 0.22 0.23 0.23 0.23 0.23 0.23 0.23 0.23 0.23 0.23 0.23 0.23 0.23 0.23 0.23 0.23 0.23 0.23

TOTAL U of K MAIN CAMPUS USAGE(mgd)

1.44 1.53 1.53 1.73 1.69 1.79 1.71 1.81 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83

PARTICIPATION RATE
LOW 0.75 0.75
HIGH 0.90 0.90

NUMBER OF CUSTOMERS CALC.
WATER USE,MGD
SINGLE FAMILY
IN CTY 11.329697 11.980991
OUT CTY 1.451391 1.7980968

MULTI 6.1971309 6.5730536
SFR PER CAP USAGE 78.609753 78.364106
MFR PER CAP USAGE 77.64 77.87
SFR POPULATION 162589 175834
MFR POPULATION 79820 84412

PEOPLE/UNIT 2.64 2.52
EQU.RESID.CUSTOMERS 91822 103272
COMM & IND SAVINGS 0.15 0.44 FROM AMY
GOVT AND UK SAVINGS 0.08 0.15 FROM AMY
ESTIMATED APC SAVINGS, MGD
HIGH 0.98 2.97
LOW 0.86 2.58
AVG. 0.92 2.77

CALENDAR YEAR

1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2005 2010 2015 2020

OTHER PUBLIC USE (in mgd).....

0.76 1.00 1.40 1.32 1.48 1.50 1.67 1.98 1.74 1.76 1.77 1.78 1.80 1.81 1.82 1.87 1.92 1.95 1.95

TOTAL SYSTEM USAGE (mgd).....

29.70 31.55 31.20 29.67 30.57 31.40 30.77 32.80 33.05 33.48 33.85 34.12 34.37 34.61 34.88 35.86 36.83 37.42 37.56

LOSSES AND NON-REVENUE USE (%)

16.90% 17.60% 15.00% 12.30% 11.60% 15.40% 16.10% 16.47% 14.80% 14.80% 14.80% 14.80% 14.80% 14.80% 14.80% 14.80% 14.80% 14.80% 14.80%

LOSSES AND NON-REVENUE USE (mgd).....

6.04 6.74 5.51 4.16 4.01 5.71 5.90 6.47 5.74 5.82 5.88 5.93 5.97 6.01 6.06 6.23 6.40 6.50 6.52

PLUMBING CODE IMPACTS

0.00 0.00 0.00 0.00 0.00 0.00 -0.18 -0.37 -0.55 -0.74 -0.92 -1.11 -1.29 -1.48 -1.66 -2.59 -3.52 -3.52 -3.52

TOTAL AVERAGE DAY DEMAND (mgd).....

35.74 38.28 36.71 33.83 34.59 37.11 36.67 38.90 38.24 38.56 38.81 38.94 39.04 39.15 39.28 39.50 39.71 40.41 40.57

MAX DAY: 95% EXCEEDANCE (mgd)

60.05 64.32 61.67 56.84 58.10 62.34 61.73 65.60 64.62 65.28 65.83 66.18 66.47 66.77 67.12 68.12 69.11 70.28 70.54

ACTUAL MAXIMUM DAY (mgd)

57.47 54.89 63.91 47.72 58.52 56.42 47.22 59.49

CONSERVATION IMPACTS

0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 -0.01 -1.38 -1.58 -1.91 -2.27 -2.61 -2.73 -2.79 -2.83 -2.85

TOTAL AVERAGE DAY DEMAND (mgd).....

35.74 38.28 36.71 33.83 34.59 37.11 36.67 38.90 38.24 37.18 37.23 37.03 36.78 36.54 36.55 36.71 36.88 37.55 37.71

MAX DAY: 95% EXCEEDANCE (mgd).....

60.05 64.32 61.67 56.84 58.10 62.34 61.73 65.60 64.62 63.90 64.22 64.21 64.12 64.07 64.30 65.23 66.19 67.33 67.59

IN PLANT USE(mgd)

1.6 1.71 1.64 1.51 1.55 1.66 1.64 1.74 1.71 1.73 1.74 1.74 1.75 1.75 1.76 1.77 1.78 1.81 1.82

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TOTAL MAX DAY PRODUCTION (mgd)[95%excd]	59.07	56.60	65.55	49.23	60.07	58.08	48.86	61.23	66.33	65.63	65.95	65.95	65.86	65.83	66.05	67.00	67.97	69.14	69.41
previous forecast (1992 CPS)	59.07	56.60	65.55	49.23	60.07	58.08	63.53	63.87	64.67	65.44	65.71	65.79	65.88	65.97	65.81	65.91	65.81	66.81	66.64
* NOTE: Revised to reflect actual 1986-1993 year-end billed usage & revised population projections per U of L Urban Studies Center.																			

FOR SAME CONDITIONS UNDER HOT, DRY SCENARIO:

TOTAL SYSTEM USAGE (mgd).....	31.48	33.44	33.07	31.45	32.41	33.28	32.61	34.77	35.04	35.49	35.88	36.17	36.43	36.69	36.97	38.01	39.04	39.67	39.81
LOSSES AND NON-REVENUE USE (%)	16.90%	17.60%	15.00%	12.30%	11.60%	15.40%	16.10%	16.47%	14.80%	14.80%	14.80%	14.80%	14.80%	14.80%	14.80%	14.80%	14.80%	14.80%	14.80%
LOSSES AND NON-REVENUE USE (mgd).....	6.40	7.14	5.84	4.41	4.25	6.06	6.26	6.85	6.09	6.16	6.23	6.28	6.33	6.37	6.42	6.60	6.78	6.89	6.92
PLUMBING CODE IMPACTS (mgd)	0.00	0.00	0.00	0.00	0.00	0.00	-0.18	-0.37	-0.55	-0.74	-0.92	-1.11	-1.29	-1.48	-1.66	-2.59	-3.52	-3.52	-3.52
TOTAL AVERAGE DAY DEMAND (mgd).....	37.89	40.58	38.91	35.86	36.66	39.34	38.87	41.25	40.57	40.92	41.20	41.35	41.46	41.59	41.73	42.02	42.31	43.04	43.21
MAX DAY: 95% EXCEEDANCE (mgd)	63.65	68.18	65.37	60.25	61.59	66.09	65.43	69.55	68.53	69.24	69.83	70.22	70.54	70.87	71.24	72.36	73.47	74.70	74.99
ACTUAL MAXIMUM DAY (mgd)	57.47	54.89	63.91	47.72	58.52	56.42	47.22	59.49											
CONSERVATION IMPACTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-1.38	-1.58	-1.91	-2.27	-2.61	-2.73	-2.79	-2.83	-2.85	-2.86
TOTAL AVERAGE DAY DEMAND (mgd).....	37.89	40.58	38.91	35.86	36.66	39.34	38.87	41.25	40.56	39.54	39.61	39.43	39.20	38.98	39.01	39.23	39.48	40.19	40.35
DROUGHT AVG. DAY DEMAND: 95% EXCD. (mgd)	45	48	46	42	43	46	46	49	48	47	47	47	46	46	46	46	47	48	48
MAX DAY: 95% EXCEEDANCE (mgd).....	63.65	68.18	65.37	60.25	61.59	66.09	65.43	69.55	68.53	67.86	68.22	68.24	68.18	68.17	68.42	69.48	70.55	71.76	72.03
IN PLANT USE(mgd)	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
TOTAL MAX DAY PRODUCTION (mgd)[95%excd]	59.07	56.49	65.51	49.32	60.12	58.02	48.82	61.09	70.13	69.46	69.82	69.84	69.78	69.77	70.02	71.08	72.15	73.36	73.63

SURROUNDING COUNTIES--INDIVIDUAL CUSTOMER

WATER DEMAND	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2005	2010	2015	2020
WOODFORD COUNTY																			
Population	18884	19076	19900	19928	19955	20270	20585	20900	21215	21531	21828	22125	22422	22719	23016	24129	25243	25868	26493
No. of resid. connections	138	137	142	139	141	142	145	147	149	152	153	156	158	160	163	170	178	183	187
Per capita use (GPD)	85.55	89.11	85.17	76.10	79.49	82.88	81.85	79.32	78.69	78.49	78.49	78.49	78.49	78.49	78.49	78.49	78.49	78.49	78.49
Persons per household	2.80	2.80	2.81	2.79	2.76	2.74	2.72	2.69	2.67	2.65	2.63	2.61	2.60	2.58	2.56	2.50	2.43	2.38	2.33
WOODFORD CO. WATER DEMAND (in MGD).....	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SCOTT COUNTY																			
Population	22689	23501	22760	23314	23867	24135	24403	24671	24939	25208	25458	25708	25958	26208	26460	27432	28405	29033.5	29662
No. of resid. connections	1055	1149	1287	1373	1446	1507	1571	1634	1699	1718	1735	1752	1769	1786	1803	1869	1935	1978	2021
Per capita use (GPD)	85.55	89.11	85.17	76.10	79.49	82.88	81.85	79.32	78.69	78.49	78.49	78.49	78.49	78.49	78.49	78.49	78.49	78.49	78.49
Persons per household	2.90	2.90	2.77	2.76	2.74	2.73	2.72	2.70	2.69	2.68	2.66	2.65	2.63	2.62	2.60	2.55	2.50	2.46	2.42
SCOTT CO. WATER DEMAND (in MGD).....	0.26	0.30	0.30	0.29	0.31	0.34	0.35	0.35	0.36	0.36	0.36	0.36	0.37	0.37	0.37	0.37	0.38	0.38	0.38
BOURBON COUNTY																			
Population	19188	19088	18978	19277	19236	19316	19397	19478	19558	19639	19706	19773	19840	19907	19976	20238	20500	20700	20900
No. of resid. connections	394	391	394	407	409	419	427	429	431	432	434	435	437	438	440	446	451	456	460
Per capita use (GPD)	85.55	89.11	85.17	76.10	79.49	82.88	81.85	79.32	78.69	78.49	78.49	78.49	78.49	78.49	78.49	78.49	78.49	78.49	78.49
Persons per household	2.70	2.70	2.73	2.72	2.70	2.69	2.67	2.66	2.64	2.63	2.62	2.60	2.59	2.57	2.56	2.51	2.45	2.41	2.36
BOURBON CO. WATER DEMAND (in MGD).....	0.09	0.09	0.09	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
HARRISON COUNTY																			
Population	15722	15907	15887	16195	16248	16387	16526	16665	16804	16943	17073	17204	17335	17465	17596	18110	18623	18935	19246
No. of resid. connections	73	78	80	80	80	78	79	80	80	83	81	82	83	83	87	89	92	93	95
Per capita use (GPD)	85.55	89.11	85.17	76.10	79.49	82.88	81.85	79.32	78.69	78.49	78.49	78.49	78.49	78.49	78.49	78.49	78.49	78.49	78.49
Persons per household	2.70	2.70	2.71	2.70	2.69	2.68	2.68	2.67	2.67	2.66	2.65	2.64	2.63	2.62	2.61	2.57	2.52	2.49	2.45
HARRISON CO. WATER DEMAND (in MGD).....	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
INDIVIDUAL CUSTOMER																			
TOTAL WATER DEMAND OUTSIDE COUNTIES.	0.40	0.44	0.45	0.42	0.45	0.48	0.49	0.49	0.50	0.50	0.50	0.50	0.50	0.50	0.51	0.51	0.52	0.52	0.52

OUTSIDE COUNTIES--BULK SALES

WATER DEMAND	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2005	2010	2015	2020
MIDWAY																			
Woodford Co.population projections	18884	19076	19900	19928	19955	20270	20585	20900	21215	21531	21828	22125	22422	22719	23016	24129	25243	25868	26493
Projected bulk consumption (mgd)	0.16	0.17	0.10	0.10	0.10	0.11	0.12	0.12	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
MIDWAY WATER DEMAND (in MGD).....	0.16	0.17	0.10	0.10	0.10	0.11	0.12	0.12	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12

VERSAILLES																			
Woodford Co.population projections	18884	19076	19900	19928	19955	20270	20585	20900	21215	21531	21828	22125	22422	22719	23016	24129	25243	25868	26493
Versailles projected tot. avg usage									2.70	2.74	2.78	2.82	2.85	2.89	2.93	3.07	3.21	3.29	3.37
Versailles production capacity(mgd)	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
Projected bulk consumption (mgd) (supplemental supply)									0.20	0.24	0.28	0.32	0.35	0.39	0.43	0.57	0.71	0.79	0.87
VERSAILLES WATER DEMAND (in MGD).....	0.00	0.13	0.07	0.03	0.05	0.07	0.02	0.13	0.20	0.24	0.28	0.32	0.35	0.39	0.43	0.57	0.71	0.79	0.87
SPEARS DISTRICT																			
Jessamine Co.population projections	28911	29338	30610	30559	30508	31016	31524	32032	32540	33049	33495	33941	34387	34833	35277	37017	38756	39792	40828
Average bulk consumption (mgd)	0.12	0.15	0.15	0.11	0.11	0.12	0.14	0.13	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.15	0.15
SPEARS DISTRICT WATER DEMAND (in MGD)...	0.12	0.15	0.15	0.11	0.11	0.12	0.14	0.13	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.15	0.15
SOUTH ELKHORN DISTRICT																			
Jessamine Co.population projections	28911	29338	30610	30559	30508	31016	31524	32032	32540	33049	33495	33941	34387	34833	35277	37017	38756	39792	40828
Average bulk consumption (mgd)	0.25	0.33	0.41	0.37	0.32	0.35	0.36	0.40	0.36	0.36	0.37	0.37	0.38	0.37	0.38	0.39	0.41	0.42	0.44
SOUTH ELKHORN WATER DEMAND (in MGD)...	0.25	0.33	0.41	0.37	0.32	0.35	0.36	0.40	0.36	0.36	0.37	0.37	0.38	0.37	0.38	0.39	0.41	0.42	0.44
NORTH MIDDLETOWN																			
Bourbon Co. population projections	19188	19088	18978	19277	19236	19316	19397	19478	19558	19639	19706	19773	19840	19907	19976	20238	20500	20700	20900
Average bulk consumption (mgd)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
NORTH MIDDLETOWN WATER DEMAND (in MGD)...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
BULK SALES																			
TOTAL WATER DEMAND OUTSIDE COUNTIES.	0.53	0.77	0.73	0.61	0.58	0.64	0.63	0.78	0.86	0.90	0.95	1.00	1.04	1.07	1.11	1.29	1.45	1.55	1.64

CONSERVATION PROGRAM IMPACTS

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2005	2010	2015	2020
RESIDENTIAL RETROFIT PROGRAM																			
SAVINGS PER HOUSEHOLD									22.40	22.40	22.40	22.40	22.40	22.40					
HOUSEHOLDS PARTICIPATING									300	1500	2000	2500	3000	3500	0	0	0	0	0
ANNUAL SAVINGS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.04	0.06	0.07	0.08	0.00	0.00	0.00	0.00	0.00
CUMULATIVE SAVINGS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.09	0.14	0.21	0.29	0.29	0.29	0.29	0.29	0.29
RESIDENTIAL LANDSCAPE/TURF SCHEDULE																			
SAVINGS PER HOUSEHOLD										3.80	3.80	3.80	3.80						
HOUSEHOLDS PARTICIPATING										500	3000	10000	12500						
ANNUAL SAVINGS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.05	0.00	0.00	0.00	0.00	0.00	0.00
CUMULATIVE SAVINGS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.05	0.10	0.10	0.10	0.10	0.10	0.10	0.10
INTERIOR HOME CONSULTATION																			
SAVINGS PER HOUSEHOLD											23.76	23.76	23.76	23.76	23.76	23.76	23.76		
HOUSEHOLDS PARTICIPATING											200	200	200	200	200	200			
ANNUAL SAVINGS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CUMULATIVE SAVINGS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.05	0.05	0.05	0.05
COMMERCIAL/INDUSTRIAL INTERNAL AUDIT																			
SAVINGS PER COMMERCIAL UNIT											523	523	523	523	523				
UNITS PARTICIPATING											50	150	150	200	200				
ANNUAL SAVINGS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.08	0.08	0.10	0.10	0.00	0.00	0.00	0.00
SAVINGS PER INDUSTRIAL UNIT											70824	70824	70824	70824					
UNITS PARTICIPATING											1	2	2	2					
ANNUAL SAVINGS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.14	0.14	0.14	0.00	0.00	0.00	0.00	0.00
CUMULATIVE SAVINGS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.32	0.54	0.78	0.89	0.89	0.89	0.89	0.89
INDUSTRIAL/UK EXTERIOR AUDIT																			
UNIVERSITY OF KENTUCKY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAVINGS PER INDUSTRIAL UNIT											1127	1127	1127	1127					
UNITS PARTICIPATING											1	2	2	2					
ANNUAL SAVINGS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CUMULATIVE SAVINGS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04
INCREASED LEAK DETECTION	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.34	1.35	1.36	1.37	1.38	1.39	1.43	1.47	1.49	1.50

TOTAL SAVINGS FROM CONSERVATION	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.38	1.58	1.91	2.27	2.61	2.73	2.79	2.83	2.85	2.86
PUBLIC SERVICE COMMISSION CASE NO. 93-434 ATTACHMENT A TESTIMONY OF LINDA C. BRIDWELL											SCHEDULE A UNIVERSITY OF LOUISVILLE MODERATE GROWTH SERIES POPULATION PROJECTIONS PAGE 1 OF 5									
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PUBLIC SERVICE COMMISSION CASE NO. 93-434 ATTACHMENT A TESTIMONY OF LINDA C. BRIDWELL											SCHEDULE A UNIVERSITY OF LOUISVILLE MODERATE GROWTH SERIES POPULATION PROJECTIONS PAGE 3 OF 5									
PUBLIC SERVICE COMMISSION CASE NO. 93-434 ATTACHMENT A TESTIMONY OF LINDA C. BRIDWELL											SCHEDULE A UNIVERSITY OF LOUISVILLE MODERATE GROWTH SERIES POPULATION PROJECTIONS PAGE 4 OF 5									
PUBLIC SERVICE COMMISSION CASE NO. 93-434 ATTACHMENT A TESTIMONY OF LINDA C. BRIDWELL											SCHEDULE A UNIVERSITY OF LOUISVILLE MODERATE GROWTH SERIES POPULATION PROJECTIONS PAGE 5 OF 5									

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