

2000 Usage with 1996 LFUCG Comprehensive Plan Population Projections

MODEL UPDATE MARCH, 1992
 RUN DATE 02/14/02
 DIRECTORY: \Engineering\Demand Projections
 FILENAME: 00DEMFOR.XLW
 SHEET: 00updtuc

	ELAST.	% OF USE
SFR INDOOR	0.1	85.0%
SFR OUTDOOR	0.5	15.0%
COMMERCIAL	0.1	100.0%
INDUSTRIAL	0	100.0%
APARTMENT	0.1	100.0%

Assumed Inflation Rate for the Year (CPI)										5.4%	4.21%	3.01%	2.99%	3.60%	2.50%	3.20%	2.29%	1.56%	3.45%	2.21%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%					
Projected Water/Sewer Rate Increase for the Year										4.04%	5.51%	51.80%	0.00%	3.32%	6.65%	6.19%	3.10%	0.00%	0.00%	0.00%	0.00%	20.00%	20.00%	0.00%	0.00%	0.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%		
Losses and Non-Revenue Uses for Year											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%	13.0%	13.0%	13.0%	13.0%	13.0%	13.0%	13.0%	13.0%	13.0%
% GROWTH FOR YEAR - REFERENCE CASE											1.1%	1.1%	1.0%	0.8%	0.7%	0.8%	0.7%	0.6%	0.6%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%
										1.1%	0.0%	1.5%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.1%	1.1%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%	
Calendar Year	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2015	2020									
Total Population (Fayette County)	217701	220526	222912	222904	226279	229075.4	231871.8	234668.2	237464.6	240261	243106.8	245952.6	248798.4	251644.2	254490	256343.4	258196.8	260050.2	261903.6	263757	265610.4	267463.8	269317.2	271170.6	272709	277442	282000										
Apartment Population	70546	71462	72235	72232	75741	76677	77613	78549	79485	80421	81374	82326	83279	84231	85184	85804.3	86424.7	87045	87665.4	88286	88906.2	89526.5	90146.9	90767.3	91282	92866	94392										
U of K Full Time Residents	8153	8200	8200	8200	8200	8200	8200	8200	8200	8200	8200	8200	8200	8200	8200	8200	8200	8200	8200	8200	8200	8200	8200	8200	8200	8200	8200	8200									
Inmates of Institutions	3793	4116	4439	4761	5084	5147	5210	5272	5335	5398	5462	5526	5590	5654	5718	5759.48	5801.12	5842.77	5884.41	5926	5967.69	6009.33	6050.98	6092.62	6127	6234	6336										
Remaining Population Served (SFR, Fayette Co)	135209	136748	138039	137710	137254	139052	140849	142647	144444	146242	148071	149900	151730	153559	155388	156579.6	157771	158962.4	160153.8	161345	162535.6	163727.9	164919.3	166110.7	167100	170142	173072										
Outside County Population Served	4720	4979	5256	5491	5671	5790	5921	6021	6205	6440	6748	7305	7909	8456	9109	9258	9405	9550	9693	9835	9975	10113	10249	10383	10216	10579	11032										
New Residents															11815	13156	14494	15831	17165	18498	19830	21159	22486	23812	24634	28039	31422										
Actual Number of Total Customers	69437	71500	73348	74653	76274	77871	79600	81301	83382	85180	87403	89491	93391	96477	99199																						
Usage Per Customer (gpd)	515	535	500	453	453	477	460	486	486	470	483	469	457	411	413																						
Single Family Residential Per Capita Use (gpd)	85.54	89.11	85.17	76.10	78.98	80.09	75.72	81.00	85.07	83.51	88.44	83.36	88.10	78.26	80.14	83.84	83.63	83.52	83.45	83.45	83.45	83.84	84.11	84.24	84.24	84.24	84.24										
New Resident SFR Per Capita Use (gpd)											79.59	75.03	79.29	70.43	72.13	75.45	75.27	75.17	75.11	75.10	75.10	75.46	75.70	75.82	75.82	75.82	75.82										
Single Family Residential	11.97	12.63	12.21	10.90	11.29	11.60	11.11	12.04	12.82	12.75	13.69	13.11	13.06	12.68	13.18	13.79	13.86	13.94	14.03	14.13	14.23	14.40	14.54	14.67	14.73	14.99	15.24										
Fayette Co. Residential use (in mgd).....	11.57	12.19	11.76	10.48	10.84	11.14	10.66	11.55	12.29	12.21	13.10	12.50	13.14	11.80	12.12	12.79	12.85	12.92	13.00	13.08	13.17	13.32	13.45	13.56	13.64	13.87	14.09										
Apartment Population	70546	71462	72235	72232	75741	76677	77613	78549	79485	80421	81374	82326	83279	84231	85184	85804	86425	87045	87665	88286	88906	89527	90147	90767	91282	92866	94392										
New Residents											953	1905	2858	3810	4763	5383	6004	6624	7244	7865	8485	9105	9726	10346	10861	12445	13971										

Number of Customers Usage Per Customer																												
Existing Apart. Resident Per Capita Use (gpd) New Resident MFR Per Capita Use (gpd)	79.66	83.04	78.91	80.71	75.56	74.81	74.64	76.75	78.18	78.20	106.93	91.95	91.83	75.96	81.52	89.75	86.07	84.96	83.60	85.18	85.91	85.40	85.18	85.15	85.37	85.37	85.37	
Multi-Family Residential	1.37	1.41	1.39	1.33	1.40	1.40	1.42	1.49	1.57	1.45	1.71	1.49	1.53	0.96	1.21													
Garden Apartments	4.20	4.47	4.26	4.45	4.27	4.28	4.32	4.49	4.58	4.82	5.89	5.08	5.01	4.38	4.78													
High Rise Apartments	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.02	1.10	1.00	1.11	1.05	0.96													
Apartment use (in mgd).....	5.62	5.93	5.70	5.83	5.72	5.74	5.79	6.03	6.21	6.29	8.70	7.57	7.65	6.40	6.94	7.68	7.41	7.37	7.30	7.49	7.60	7.61	7.64	7.68	7.75	7.87	8.00	
Outside Counties (see "Counties" pages)																												
Individual Cust. Use (in mgd)....	0.40	0.44	0.45	0.42	0.45	0.46	0.45	0.49	0.53	0.54	0.59	0.60	0.93	0.88	0.95	1.00	1.01	1.02	1.04	1.05	1.06	1.07	1.09	1.10	1.09	1.12	1.15	
Bulk Sales Use (in mgd).....	0.53	0.77	0.73	0.61	0.58	0.64	0.63	0.78	0.75	0.71	0.80	0.85	1.08	1.46	1.39	1.41	1.49	1.49	1.50	1.52	1.53	1.54	1.56	1.57	1.55	1.53	1.72	
Commercial Use (mgd)	7.75	8.10	7.74	7.18	7.48	7.79	7.53	7.93	8.37	7.84	8.12	8.18	8.40	8.37	8.04	8.29	8.30	8.33	8.32	8.32	8.37	8.41	8.43	8.44	8.44	8.59	8.73	
Toyota Usage (mgd)			0.41	0.74	0.89	0.94	1.09	1.05	1.25	1.40	1.37	1.61	1.70	1.62	1.48	1.60	1.57	1.55	1.57	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	
Industrial Use (mgd,non-Toyota)	1.64	1.58	1.49	1.36	1.44	1.39	1.23	1.24	1.23	1.23	1.31	1.38	1.43	1.30	1.18	1.31	1.27	1.27	1.29	1.29	1.29	1.30	1.30	1.31	1.31	1.33	1.35	
University of Kentucky U of K Base Demand including residences (Main Campus only)	1.20	1.31	1.30	1.50	1.46	1.55	1.47	1.57	1.73	1.63	1.45	1.43	1.55	1.53	1.36	1.48	1.45	1.43	1.45	1.45	1.44	1.45	1.45	1.45	1.45	1.45	1.45	
U of K Student Population	23696	22461	22879	23297	23081	24132	24197	24288	24217	24378	24200	24200	24200	24200	24200	24200	24200	24200	24200	24200	24200	24200	24200	24200	24200	24200	24200	
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	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	
U of K student usage on campus (mgd).....	0.24	0.22	0.23	0.23	0.23	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	
Total U of K Main Campus Usage (mgd)	1.44	1.53	1.53	1.73	1.69	1.79	1.71	1.81	1.97	1.88	1.69	1.67	1.80	1.77	1.60	1.72	1.70	1.67	1.70	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	
Calendar Year	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	
Other Public Use (in mgd).....	0.76	1.00	1.40	1.32	1.48	1.50	1.64	1.67	1.60	1.52	1.35	1.37	1.32	1.52	2.32	1.73	1.87	1.99	1.88	1.93	1.95	1.93	1.95	1.95	1.96	1.99	2.02	
Total System Usage (mgd).....	29.70	31.55	31.20	29.67	30.57	31.40	30.73	32.56	34.19	33.61	37.03	35.73	37.44	35.13	36.14	37.54	37.48	37.61	37.59	37.92	38.21	38.44	38.66	38.87	38.99	39.55	40.32	
Losses and Non-Revenue Use (%)	16.90%	17.60%	15.00%	12.30%	11.60%	15.40%	16.10%	17.64%	15.69%	16.01%	12.25%	14.90%	12.30%	11.50%	11.90%	14.80%	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	6.97	6.36	6.41	5.17	6.25	5.25	4.56	4.88	6.52	6.51	6.53	6.53	6.59	6.64	6.68	6.72	6.75	6.77	6.87	7.00	
Actual Average Day Demand (mgd)	35.74	38.28	36.71	33.84	34.59	37.11	36.63	39.53	40.55	40.02	42.20	41.98	42.69	39.69	41.02													
Average Day Demand w/out Conservation (mgd)	35.74	38.28	36.71	33.84	34.59	37.11	36.63	39.53	40.56	41.98	42.51	43.65	43.24	39.99	41.54	44.54	44.48	44.62	44.60	44.97	45.31	45.57	45.82	46.05	46.18	46.83	47.70	
Maximum Day w/out Conservation (mgd)	59.74	63.47	61.71	57.78	59.16	62.25	61.34	65.44	67.76	70.17	71.97	73.14	73.05	67.86	70.43	71.81	72.53	72.99	73.14	73.94	74.69	75.30	75.90	76.48	76.89	78.41	79.68	
Actual Maximum Day (mgd)	57.47	54.89	63.91	47.72	58.52	56.42	47.22	59.49	58.36	63.77	53.7	60.7	64.67	61.18	66.37													
Conservation Impacts Total Average Day Demand (mgd).....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-1.95	-0.31	-1.67	-0.55	-0.30	-0.53	-1.98	-2.16	-2.35	-2.53	-2.55	-2.57	-2.58	-2.59	-2.61	-2.59	-2.62	-2.65	
Max Day: 95% Exceedance (mgd).....	57.04	60.90	59.08	55.11	56.51	59.62	58.66	62.87	65.07	64.12	68.74	67.60	69.54	64.88	66.92	69.68	70.23	70.50	70.47	71.24	71.97	72.58	73.16	73.72	74.15	75.64	76.88	
In Plant Usage (mgd)	1.617	2.37	1.91	1.77	1.36	1.40	1.42	1.55	1.59	1.64	1.66	1.71	1.69	1.56	1.62	1.74	1.74	1.75	1.74	1.76	1.77	1.78	1.79	1.80	1.81	1.83	1.87	
Total Max Day Production (mgd)[95%excd] previous forecast (1992 CPS)	59.087	57.26	65.82	49.49	59.88	57.82	48.64	61.04	66.66	65.77	70.41	69.31	71.23	66.44	68.55	71.43	71.97	72.24	72.21	73.00	73.75	74.36	74.95	75.52	75.96	77.47	78.75	
* NOTE: Revised to reflect actual 1986-1998 year-end billed usage.	59.087	57.26	65.82	49.49	59.88	57.82	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	
FOR SAME CONDITIONS UNDER HOT,DRY SCENARIO:																												
TOTAL SYSTEM USAGE (mgd).....	31.48	33.44	33.08	31.45	32.41	33.28	32.58	34.51	36.24	35.63	39.25	37.87	39.69	37.23	38.30	39.79	39.73	39.86	39.84	40.19	40.51	40.75	40.98	41.20	41.32	41.93	42.74	
LOSSES AND NON-REVENUE USE (%)	16.90%	17.60%	15.00%	12.30%	11.60%	15.40%	16.10%	17.64%	15.69%	16.01%	12.25%	14.90%	12.30%	11.50%	11.90%	14.80%	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	6.25	7.39	6.74	6.79	5.48	6.63	5.57	4.84	5.17	6.91	6.90	6.92	6.92	6.98	7.04	7.08	7.12	7.16	7.18	7.28	7.42	
Average Day Demand w/out Conservation (mgd)	37.89	40.58	38.91	35.87	36.66	39.34	38.83	41.90	42.99	44.38	45.04	46.17	45.80	42.37	44.00	47.19	47.11	47.27	47.24	47.64	48.00	48.28	48.54	48.79	48.93	49.61	50.54	
Maximum Day w/out Conservation (mgd)	63.46	67.43	65.56	61.39	62.85	66.13	65.16	69.51	71.96	74.31	76.39	77.50	77.52	72.05	74.75	76.07	76.79	77.26	77.41	78.24	79.02	79.67	80.29	80.89	81.31	82.89	84.25	
ACTUAL MAXIMUM DAY (mgd)	57.47	54.89	63.91	47.72	58.52	56.42	47.22	59.49	58.36	63.77	53.70	60.70	64.67	61.18	66.37													
CONSERVATION IMPACTS Projected Average Day Demand (mgd)	0.00 37.89	0.00 40.58	0.00 38.91	0.00 35.87	0.00 36.66	0.00 39.34	0.00 38.83	0.00 41.90	0.00 42.99	-0.01 42.42	-1.95 44.73	-0.31 44.50	-1.67 45.26	-0.55 42.07	-0.30 43.48	-0.53 45.21	-1.98 44.95	-2.16 44.92	-2.35 44.71	-2.53 45.09	-2.55 45.43	-2.57 45.70	-2.58 45.95	-2.59 46.18	-2.61 46.34	-2.59 47.00	-2.62 47.89	
6-mo Summer Avg. Day Dem.: 95% C. I. (mgd) w/out cons.	51	49	46	47	50	49	53	54	56	57	58	57	53	55	59	59	59	59	59	60	60	60	61	61	61	62	63	
6-mo Summer Avg. Day Dem.: 99% C. I. (mgd) w/out cons.	52	50	47	48	51	50	54	55	57	58	59	59	54	56	60	60	60	60	60	61	61	62	62	62	62	63	64	
6-mo Summer Avg. Day Dem.: 95% C. I. (mgd) w/ cons.	51	49	46	47	50	49	53	54	56	56	57	53	55	57	56	56	56	56	57	57	57	57	58	58	58	59	60	
6-mo Summer Avg. Day Dem.: 99% C. I. (mgd) w/ cons.	52	50	47	48	51	50	54	55	55	57	57	58	54	56	58	57	57	57	57	58	58	58	59	59	59	60	61	
MAX DAY: 95% EXCEEDANCE (mgd).....	60.46	64.56	62.63	58.42	59.90	63.20	62.18	66.65	68.98	69.37	73.08	72.82	74.03	68.88	71.18	73.94	74.48	74.76	74.73	75.55	76.31	76.94	77.55	78.13	78.57	80.13	81.46	
IN PLANT USE(mgd)	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2	2	2	2	2	2	2	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	
TOTAL MAX DAY PRODUCTION (mgd)[95%excd]	56.49	56.49	65.51	49.32	60.12	58.02	48.82	61.09	70.58	71.37	75.08	74.82	76.03	70.88	73.18	75.94	76.58	76.96	76.93	77.75	78.51	79.14	79.75	80.33	80.77	82.33	83.66	

SURROUNDING COUNTIES--INDIVIDUAL CUSTOMER WATER DEMAND		1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020
WOODFORD COUNTY																												
Population		18884	19076	19900	19928	19955	20270	20585	20934	21283	21632	21988	22344	22689	23033	23378	23663.2	23948.4	24233.6	24518.8	24804	25089.2	25374.4	25659.6	25944.8	25741	26530	27359
No. of resid. connections		138	137	142	139	141	142	145	149	151	152	153	155	163	171	179	181	183	186	188	190	192	194	196	199	197	203	209
Persons per household		2.80	2.80	2.81	2.79	2.76	2.71	2.67	2.62	2.58	2.53	2.51	2.49	2.48	2.46	2.44	2.43	2.42	2.41	2.40	2.40	2.39	2.38	2.37	2.36	2.35	2.31	2.27
Population Served		386	384	399	387	389	385	387	391	389	385	384	387	404	420	437	440	444	448	451	455	458	462	465	469	463	469	476
Existing Customer Per capita use (GPD)		85.54	89.11	85.17	76.10	78.98	80.09	75.72	81.00	85.07	83.51	88.44	83.36	88.10	78.26	80.14	83.84	83.63	83.52	83.45	83.45	83.45	83.84	84.11	84.24	84.24	84.24	84.24
New Customer Per Capita Use (GPD)												79.59	75.03	79.29	70.43	72.13	75.45	75.27	75.17	75.11	75.10	75.10	75.46	75.70	75.82	75.82	75.82	75.82
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	0.04	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
SCOTT COUNTY																												
Population		22689	23501	22760	23314	23867	24135	24403	25360	26317	27274	27731	29446	30423	31397	32373	33243.4	34113.8	34984.2	35854.6	36725	37595.4	38465.8	39336.2	40206.6	39658	42443	45853
No. of resid. connections		1055	1149	1287	1373	1446	1507	1571	1628	1716	1799	1926	2142	2362	2560	2770	2844	2919	2993	3068	3142	3217	3291	3366	3440	3393	3632	3923
Persons per household		2.90	2.90	2.77	2.76	2.74	2.71	2.68	2.65	2.62	2.59	2.57	2.55	2.53	2.51	2.49	2.48	2.47	2.45	2.44	2.43	2.42	2.41	2.39	2.38	2.37	2.32	2.27
Population Served		3060	3332	3565	3783	3962	4084	4210	4314	4496	4659	4950	5462	5976	6426	6897	7049	7198	7346	7492	7636	7778	7919	8058	8195	8042	8425	8906
Existing Customer Per Capita Use (GPD)		85.54	89.11	85.17	76.10	78.98	80.09	75.72	81.00	85.07	83.51	88.44	83.36	88.10	78.26	80.14	83.84	83.63	83.52	83.45	83.45	83.45	83.84	84.11	84.24	84.24	84.24	84.24
New Customer Per Capita Use (GPD)												79.59	75.03	79.29	70.43	72.13	75.45	75.27	75.17	75.11	75.10	75.10	75.46	75.70	75.82	75.82	75.82	75.82
SCOTT CO. WATER DEMAND (in MGD).....		0.26	0.30	0.30	0.29	0.31	0.33	0.32	0.35	0.38	0.39	0.44	0.45	0.51	0.49	0.53	0.57	0.58	0.59	0.60	0.61	0.62	0.64	0.65	0.66	0.65	0.68	0.71
BOURBON COUNTY																												
Population		19188	19088	18978	19277	19236	19316	19397	19396	19395	19394	19576	19349	19338	19327	19316	19306	19296	19286	19276	19266	19256	19246	19236	19226	19222	19129	18929
No. of resid. connections		394	391	394	407	409	419	427	433	441	477	486	506	538	575	645	645	644	644	644	643	643	643	642	642	642	639	632
Persons per household		2.70	2.70	2.73	2.72	2.70	2.66	2.62	2.57	2.53	2.49	2.48	2.47	2.45	2.44	2.43	2.42	2.41	2.40	2.39	2.39	2.38	2.37	2.36	2.35	2.34	2.31	2.28
Population Served		1064	1056	1076	1105	1104	1114	1117	1115	1117	1188	1204	1248	1320	1404	1567	1561	1554	1548	1541	1534	1528	1521	1515	1508	1502	1476	1441
Existing Customer Per capita use (GPD)		85.54	89.11	85.17	76.10	78.98	80.09	75.72	81.00	85.07	83.51	88.44	83.36	88.10	78.26	80.14	83.84	83.63	83.52	83.45	83.45	83.45	83.84	84.11	84.24	84.24	84.24	84.24
New Customer Per Capita Use (GPD)												79.59	75.03	79.29	70.43	72.13	75.45	75.27	75.17	75.11	75.10	75.10	75.46	75.70	75.82	75.82	75.82	75.82
BOURBON CO. WATER DEMAND (in MGD).....		0.09	0.09	0.09	0.08	0.09	0.09	0.08	0.09	0.09	0.10	0.11	0.10	0.12	0.11	0.12	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12
HARRISON COUNTY																												
Population		15722	15907	15887	16195	16248	16387	16526	16692	16857	17023	17200	17352	17500	17647	17795	17905.2	18015.4	18125.6	18235.8	18346	18456.2	18566.4	18676.6	18786.8	18625	18859	19145
No. of resid. connections		78	77	80	80	80	78	79	78	80	83	84	84	85	84	85	86	86	86	87	88	88	89	89	90	89	90	91
Persons per household		2.70	2.70	2.71	2.70	2.69	2.65	2.62	2.58	2.55	2.51	2.50	2.48	2.47	2.45	2.44	2.43	2.42	2.41	2.40	2.40	2.39	2.38	2.37	2.36	2.35	2.32	2.29
Population Served		211	208	217	216	215	207	207	201	204	208	210	208	210	206	207	208	208	209	209	210	210	211	211	212	209	209	209
Existing Customer Per capita use (GPD)		85.54	89.11	85.17	76.10	78.98	80.09	75.72	81.00	85.07	83.51	88.44	83.36	88.10	78.26	80.14	83.84	83.63	83.52	83.45	83.45	83.45	83.84	84.11	84.24	84.24	84.24	84.24
New Customer Per Capita Use (GPD)												79.59	75.03	79.29	70.43	72.13	75.45	75.27	75.17	75.11	75.10	75.10	75.46	75.70	75.82	75.82	75.82	75.82
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	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
CLARK COUNTY																												
Population						29496	29743	29990	30238	30485	30732	31108	31679	31990	32300	32611	32865.6	33120.2	33374.8	33629.4	33884	34138.6	34393.2	34647.8	34902.4	34710	35359	35935
No. of residential connections											1109	1180	1205	1215	1298	1320	1330	1341	1351	1361	1372	1382	1392	1402	1413	1405	1431	1455
Persons per household											2.55	2.54	2.53	2.53	2.52	2.51	2.50	2.49	2.49	2.48	2.47	2.46	2.45	2.45	2.44	2.43	2.40	2.37
Population Served											3000	3053	3069	3268	3313	3328	3343	3358	3373	3388	3402	3416	3430	3444	3414	3435	3447	
Existing Customer Per capita use (GPD)		85.54	89.11	85.17	76.10	78.98	80.09	75.72	81.00	85.07	83.51	88.44	83.36	88.10	78.26	80.14	83.84	83.63	83.52	83.45	83.45	83.45	83.84	84.11	84.24	84.24	84.24	84.24
New Customer Per Capita Use (GPD)												79.59	75.03	79.29	70.43	72.13	75.45	75.27	75.17	75.11	75.10	75.10	75.46	75.70	75.82	75.82	75.82	75.82
CLARK CO. WATER DEMAND (in MGD)															0.24	0.23	0.24	0.25	0.25	0.25	0.25	0.25	0.26	0.26	0.26	0.26	0.26	0.26
INDIVIDUAL CUSTOMER																												
TOTAL WATER DEMAND OUTSIDE COUNTIES...		0.40	0.44	0.45	0.42	0.45	0.46	0.45	0.49	0.53	0.54	0.59	0.60	0.93	0.88	0.95	1.00	1.01	1.02	1.04	1.05	1.06	1.07	1.09	1.10	1.09	1.12	1.15

OUTSIDE COUNTIES--BULK SALES
WATER DEMAND

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020
MIDWAY																											
Woodford Co.population projections	18884	19076	19900	19928	19955	20270	20585	20934	21283	21632	21988	22344	22689	23033	23378	23663.2	23948.4	24233.6	24518.8	24804	25089.2	25374.4	25659.6	25944.8	25741	26530	27359
Projected bulk consumption (mgd)	0.16	0.17	0.10	0.10	0.10	0.11	0.12	0.12	0.13	0.13	0.16	0.15	0.13	0.14	0.15	0.14	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.16	0.16	0.16	0.16
MIDWAY WATER DEMAND (in MGD).....	0.16	0.17	0.10	0.10	0.10	0.11	0.12	0.12	0.13	0.13	0.16	0.15	0.13	0.14	0.15	0.14	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.16	0.16	0.16	0.16
VERSAILLES																											
Woodford Co.population projections	18884	19076	19900	19928	19955	20270	20585	20934	21283	21632	21988	22344	22689	23033	23378	23663.2	23948.4	24233.6	24518.8	24804	25089.2	25374.4	25659.6	25944.8	25741	26530	27359
Versailles projected tot. avg usage													4.00	4.00	3.13					3.56					3.72	4.07	4.20
Versailles production capacity(mgd)	2.50	2.50	2.50	2.50	2.50	2.50	2.50	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
Projected bulk consumption (mgd)													0.00	0.00	0.13	0.15	0.16	0.14	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.07	0.20
(supplemental supply)																											
VERSAILLES WATER DEMAND (in MGD).....	0.00	0.13	0.07	0.03	0.05	0.07	0.02	0.13	0.02	0.01	0.01	0.02	0.13	0.23	0.10	0.15	0.16	0.14	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.07	0.20
SPEARS DISTRICT																											
Jessamine Co.population projections	28911	29338	30610	30559	30508	31016	31524	32470	33417	34363	35105	36038	36780	37521	38263	38896.8	39530.6	40164.4	40798.2	41432	42065.8	42699.6	43333.4	43967.2	43658	45633	47733
Average bulk consumption (mgd)	0.12	0.15	0.15	0.11	0.11	0.12	0.14	0.13	0.11	0.10	0.14	0.15	0.17	0.20	0.26	0.21	0.23	0.24	0.23	0.23	0.24	0.24	0.24	0.24	0.24	0.25	0.26
SPEARS DISTRICT WATER DEMAND (in MGD).....	0.12	0.15	0.15	0.11	0.11	0.12	0.14	0.13	0.11	0.10	0.14	0.15	0.17	0.20	0.26	0.21	0.23	0.24	0.23	0.23	0.24	0.24	0.24	0.24	0.24	0.25	0.26
SOUTH ELKHORN DISTRICT																											
Jessamine Co.population projections	28911	29338	30610	30559	30508	31016	31524	32470	33417	34363	35105	36038	36780	37521	38263	38896.8	39530.6	40164.4	40798.2	41432	42065.8	42699.6	43333.4	43967.2	43658	45633	47733
Average bulk consumption (mgd)	0.25	0.33	0.41	0.37	0.32	0.35	0.36	0.40	0.39	0.38	0.40	0.41	0.42	0.51	0.52	0.49	0.52	0.52	0.52	0.52	0.53	0.53	0.54	0.54	0.53	0.56	0.58
SOUTH ELKHORN WATER DEMAND (in MGD).....	0.25	0.33	0.41	0.37	0.32	0.35	0.36	0.40	0.39	0.38	0.40	0.41	0.42	0.51	0.52	0.49	0.52	0.52	0.52	0.52	0.53	0.53	0.54	0.54	0.53	0.56	0.58
NORTH MIDDLETOWN																											
Bourbon Co. population projections	19188	19088	18978	19277	19236	19316	19397	19396	19395	19394	19576	19349	19338	19327	19316	19306	19296	19286	19276	19266	19256	19246	19236	19226	19222	19129	18929
Average bulk consumption (mgd)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.09	0.09	0.10	0.11	0.13	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
NORTH MIDDLETOWN WATER DEMAND (in MGD)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.09	0.09	0.10	0.11	0.13	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
GEORGETOWN MUNICIPAL WATER																											
Scott Co. population projections	22689	23501	22760	23313.5	23867	24135	24403	25360	26317	27274	27731	29446	30423	31397	32373	33243.4	34113.8	34984.2	35854.6	36725	37595.4	38465.8	39336.2	40206.6	39658	42443	45853
Average bulk consumption (mgd)												0.02	0.12	0.25	0.22	0.22	0.23	0.24	0.24	0.25	0.25	0.26	0.26	0.27	0.27	0.29	0.31
GEORGETOWN WATER DEMAND (in MGD)												0.02	0.12	0.25	0.22	0.22	0.23	0.24	0.24	0.25	0.25	0.26	0.26	0.27	0.27	0.29	0.31
Harrison County Water Association																											
Harrison County population projections	15722	15907	15887	16195	16248	16387	16526	16692	16857	17023	17200	17352	17500	17647	17795	17905.2	18015.4	18125.6	18235.8	18346	18456.2	18566.4	18676.6	18786.8	18625	18859	19145
Average bulk consumption (mgd)																0.06	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
HARRISON COUNTY WATER DEMAND (MGD)																0.06	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
BULK SALES																											
TOTAL WATER DEMAND OUTSIDE COUNTIES...	0.53	0.77	0.73	0.61	0.58	0.64	0.63	0.78	0.75	0.71	0.80	0.85	1.08	1.46	1.39	1.41	1.49	1.49	1.50	1.52	1.53	1.54	1.56	1.57	1.55	1.53	1.72

CONSERVATION PROGRAM IMPACTS

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020
RESIDENTIAL RETROFIT PROGRAM SAVINGS PER HOUSEHOLD HOUSEHOLDS PARTICIPATING ANNUAL SAVINGS									22.40 300 0.01	22.40 1500 0.03	22.40 2000 0.04	22.40 2500 0.06	22.40 3000 0.07	22.40 3500 0.08	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 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	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
RESIDENTIAL LANDSCAPE/TURF SCHEDULE SAVINGS PER HOUSEHOLD HOUSEHOLDS PARTICIPATING ANNUAL SAVINGS										3.80 500 0.00	3.80 3000 0.01	3.80 10000 0.04	3.80 12500 0.05	3.80 12500 0.05	3.80 12500 0.05	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	0.01	0.05	0.10	0.15	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
INTERIOR HOME CONSULTATION SAVINGS PER HOUSEHOLD HOUSEHOLDS PARTICIPATING ANNUAL SAVINGS																	23.76 200 0.00	23.76 200 0.00	23.76 200 0.00	23.76 200 0.00	23.76 200 0.00	23.76 200 0.00	23.76 200 0.00	23.76 200 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	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.02	0.02	0.02
COMMERCIAL/INDUSTRIAL INTERNAL AUDIT SAVINGS PER COMMERCIAL UNIT UNITS PARTICIPATING ANNUAL SAVINGS																	523 200 0.10	523 200 0.10	523 200 0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SAVINGS PER INDUSTRIAL UNIT UNITS PARTICIPATING ANNUAL SAVINGS																	70824 1 0.07	70824 1 0.07	70824 1 0.07	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	0.00	0.00	0.00	0.00	0.00	0.18	0.35	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
INDUSTRIAL/UK EXTERIOR AUDIT UNIVERSITY OF KENTUCKY SAVINGS PER INDUSTRIAL UNIT UNITS PARTICIPATING ANNUAL SAVINGS																				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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
INCREASED LEAK DETECTION	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	0.21	1.47	0.24	-0.14	0.05	1.50	1.50	1.50	1.50	1.51	1.53	1.53	1.54	1.55	1.56	1.58	1.61
TOTAL SAVINGS FROM CONSERVATION	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.95	0.31	1.67	0.55	0.30	0.53	1.98	2.16	2.35	2.53	2.55	2.57	2.58	2.59	2.61	2.59	2.62	2.65

ADVANCED PLUMBING CODE EFFECTS CALCULATION

	1996	2006	
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	
PARTICIPATION RATE			
LOW	0.75	0.75	
HIGH	0.90	0.90	
NUMBER OF CUSTOMERS CALC.			
WATER USE, MGD			
SINGLE FAMILY			
IN CTY	13.0977	13.0837	
OUT CTY	1.39742	2.56477	
MULTI	8.70121	7.48674	FROM AMY
SFR PER CAP USAGE	88.4371	83.4494	FROM AMY
MFR PER CAP USAGE	106.93	85.18	
SFR POPULATION	163903	187520	
MFR POPULATION	81374	87893	
PEOPLE/UNIT	2.64	2.52	
EQU. RESID. CUSTOMERS	92908	109291	

COMM & IND SAVINGS	0.15	0.44
GOVT AND UK SAVINGS	0.08	0.15
ESTIMATED APC SAVINGS, MGD		
HIGH	0.99	3.11
LOW	0.86	2.69
AVG.	0.93	2.90

TR	TR	TR	TR	TR	TR	TR	TR	TR	TR	TR	TR	TR	TR	TR	TR	TR	TR
TOTAL RESIDENTIAL (Class 1)																	
WATER USAGE BY APARTMENT CLASS - 2000																	
100 CU. FT.																	
USAGE CLASS	USAGE CODE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	TOTAL 100 CU FT	TOTAL 1000 GAL	AVG DAY MGD	
Single Family	A	468067	439552	421570	442055	476686	638597	686654	590871	623613	526069	526768	499986	6340488	4742685	12.99366	
Multi-Family	B	36570	36693	38380	37409	38020	45846	49604	47147	54511	50032	53729	54823	542764	405987.5	1.112294	
Garden Apt	C	19921	19666	20759	20543	21833	25261	28372	35622	33155	32568	32056	33570	323325.7	241847.6	0.662596	
High Rise	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Farms	F	2589.412	1644.706	1460.717	1897	1699	3084	3285.759	3305.717	4171.086	2980	2663	2561	31341.4	23443.36	0.064228	
Golf Course	G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hospital	H	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Industrial	I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Laundries	L	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Motel/Hotel	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other Water Authority	O	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hydrant Meter	P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Restaurant	R	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Lawn Sprinkler System	S	734	549	154	743	1785	7474	9980	15494	9564	7628	4857	1827	60789	45470.17	0.124576	
University of Ky	U	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Car Wash	W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Fire Service	X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other	Z	8	7	7	0	0	3	2	3	82	0	0	0	112	83.776	0.00023	
TOTAL 100 CU FT		527889.5	498111.2	482331.1	502647.4	540023.4	720265	777898.2	692442.6	725095.8	619276.5	620073	592766.9	7298821			
1000 GALLONS		394861.4	372587.2	360783.7	375980.2	403937.5	538758.2	581867.9	517947.1	542371.6	463218.8	463814.6	443389.6		5459518	14.95758	

TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC
TOTAL COMMERCIAL (Class 2) WATER USAGE BY APARTMENT CLASS - 2000 100 CU. FT.																	
USAGE CLASS	USAGE CODE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	TOTAL 100 CU FT	TOTAL 1000 GAL	AVG DAY MGD	
Single Family	A	48	15	61	19	71	4	8	7	74	30	0	0	337	252.076	0.000691	
Multi-Family	B	4212	4332	3442	3300	3546	3576	3887	3711	3895	3586	3650	3612	44749	33472.25	0.091705	
Garden Apt	C	144131	146472	142285	144994	141722	160973	169930	155151	169579	162653	158760	150940	1847590	1381997	3.786294	
High Rise	D	913	826	715	770	810	883	946	826	928	793	851	831	10092	7548.816	0.020682	
Farms	F	33717	31061	26667	29229	29659	38387	36748	34540	37289	28778	32871	31153	390099	291794.1	0.799436	
Golf Course	G	1226	166	352	1300	2061	14102	30842	15844	17576	7406	20197	7765	118837	88890.08	0.243534	
Hospital	H	17308	15724	17103	18990	17282	23343	26135	26287	27333	20994	20513	20174	251186	187887.1	0.514759	
Industrial	I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Laundries	L	9054	8818	9093	9343	9897	10032	8801	7795	8419	9151	8639	9022	108064	80831.87	0.221457	
Motel/Hotel	M	25292	24445	25473	31169	33052	39708	41113	38842	39263	40445	34107	32146	405055	302981.1	0.830085	
Other Water Authority	O	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hydrant Meter	P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000000	
Restaurant	R	24567	21951	23762	25565	25526	29766	32449	30390	33609	28221	28159	26765	330732.7	247388	0.677775	
Lawn Sprinkler System	S	1329	771	1046	1911	5524	11490	16300	16015	12284	10153	6050	1425	84298	63054.9	0.172753	
University of Ky	U	2274	3661	4003	3204	4326	4005	4750	3488	4968	4403	4328	3476	46886	35070.73	0.096084	
Car Wash	W	5591	5326	5834	4966	4611	6000	4896	4157	5075	4586	5813	4651	61506	46006.49	0.126045	
Fire Service	X	0	0	0	0	0	237	0	0	0	0	0	0	237	177.276	0.000486	
Other	Z	127650.4	126057	129970.8	131791.8	150437.6	182495	195898.9	176102.2	195630.1	161158.7	159664.4	143862.2	1880719	1406778	3.854186	

TOTAL 100 CU FT	397312.7	389625.4	389807.2	406552.2	428524.6	525001.4	572703.9	513155.6	555922.5	482357.7	483602.4	435822.2	5580388		
1000 GALLONS	297189.9	291439.8	291575.8	304101	320536.4	392701	428382.5	383840.4	415830	360803.6	361734.6	325995		4174130	11.43597

TI	TI	TI	TI	TI	TI	TI	TI	TI	TI	TI	TI	TI	TI	TI	TI	TI	TI
TOTAL INDUSTRIAL (Class 3) WATER USAGE BY APARTMENT CLASS - 2000 100 CU. FT.																	
USAGE CLASS	USAGE CODE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	TOTAL 100 CU FT	TOTAL 1000 GAL	AVG DAY MGD	
Single Family	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Multi-Family	B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Garden Apt	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High Rise	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Farms	F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Golf Course	G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hospital	H	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Industrial	I	94629.29	94954.36	95315.31	93542.64	102856.9	116857.4	136427.9	112602.4	136022.8	105036.7	109494	99564	1297304	970383.1	2.658584	
Laundries	L	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Motel/Hotel	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Water Authority	O	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrant Meter	P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Restaurant	R	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lawn Sprinkler System	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
University of Ky	U	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Car Wash	W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fire Service	X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	Z	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL 100 CU FT		94629.29	94954.36	95315.31	93542.64	102856.9	116857.4	136427.9	112602.4	136022.8	105036.7	109494	99564	1297304			
1000 GALLONS		70782.71	71025.86	71295.85	69969.89	76936.96	87409.31	102048.1	84226.59	101745.1	78567.42	81901.51	74473.87		970383.1	2.658584	

TOPA	TOPA	TOPA	TOPA	TOPA	TOPA	TOPA	TOPA	TOPA	TOPA	TOPA	TOPA	TOPA	TOPA	TOPA	TOPA	TOPA	TOPA
TOTAL OTHER PUBLIC AUTHORITY (Class 4) WATER USAGE BY APARTMENT CLASS - 2000 100 CU. FT.																	
USAGE CLASS	USAGE CODE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	TOTAL 100 CU FT	TOTAL 1000 GAL	AVG DAY MGD	
Single Family	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Multi-Family	B	156	162	119	140	110	110	86	120	162	117	124	115	1521	1137.708	0.003117	
Garden Apt	C	16599	12705	13433	12893	12119	12628	13883	12704	14358	12362	12496	13316	159496	119303	0.326858	
High Rise	D	29257	28331	35517	31757	35778	41073	47370	38813	56347	45834	37818	31135	459030	343354.4	0.940697	
Farms	F	3030	1903	2811	3216	3292	5526	2850	5950	3932	3075	3168	2460	41213	30827.32	0.084458	
Golf Course	G	7974	2959	1947	2747	2786	8696	24819	9514	12257	4837	7029	2958	88523	66215.2	0.181412	
Hospital	H	7852	6201	8975	8369	7641	10491	12043	10505	13276	9621	10107	8064	113145	84632.46	0.23187	
Industrial	I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laundries	L	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Motel/Hotel	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Water Authority	O	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrant Meter	P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Restaurant	R	147	139	162	107	212	205	226	196	202	159	175	135	2065	1544.62	0.004232	
Lawn Sprinkler System	S	8	47	55	41	117	531	206	1241	502	969	533	255	4505	3369.74	0.009232	
University of Ky	U	17942	19770	22140	19792	20343	23831	28511	34965	30260	28736	28467	20759	295516	221046	0.605605	

Car Wash	W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fire Service	X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	Z	42759	38264	40011	45042	46828	63330	65299	135704	68221	51493	50362	39963	687276	514082.4	1.408445
TOTAL 100 CU FT		125724	110481	125170	124104	129226	166421	195293	249712	199517	157203	150279	119160	1852290		
1000 GALLONS		94041.55	82639.79	93627.16	92829.79	96661.05	124482.9	146079.2	186784.6	149238.7	117587.8	112408.7	89131.68		1385513	3.795926

TOWU	TOWU	TOWU	TOWU	TOWU	TOWU	TOWU	TOWU	TOWU	TOWU	TOWU	TOWU	TOWU	TOWU	TOWU	TOWU	TOWU
TOTAL OTHER WATER UTILITY (Class 5) WATER USAGE BY APARTMENT CLASS - 2000 100 CU. FT.																
USAGE CLASS	USAGE CODE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	TOTAL 100 CU FT	TOTAL 1000 GAL	AVG DAY MGD
Single Family	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Multi-Family	B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Garden Apt	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High Rise	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Farms	F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Golf Course	G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hospital	H	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Industrial	I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laundries	L	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Motel/Hotel	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Water Authority	O	56329	48849	42248	45456	43563	57929	72282	57821	72957	63064	62854	52992	676344	505905.3	1.386042
Hydrant Meter	P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Restaurant	R	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lawn Sprinkler System	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
University of Ky	U	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Car Wash	W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fire Service	X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	Z	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL 100 CU FT		56329	48849	42248	45456	43563	57929	72282	57821	72957	63064	62854	52992	676344		
1000 GALLONS		42134.09	36539.05	31601.5	34001.09	32585.12	43330.89	54066.94	43250.11	54571.84	47171.87	47014.79	39638.02		505905.3	1.386042

TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS
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TOTAL SUMMARY WATER USAGE BY APARTMENT CLASS - 2000 100 CU. FT.																	
USAGE CLASS	USAGE CODE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	TOTAL 100 CU FT	TOTAL 1000 GAL	AVG DAY MGD	
Single Family	A	468115.1	439566.5	421631.4	442074.4	476757.4	638601	686662.5	590878.2	623686.7	526098.5	526768	499985.9	6340825	4742937	12.99435	
Multi-Family	B	40938	41187	41941	40849	41676	49532	53577	50978	58568	53735	57503	58550	589034	440597.4	1.207116	
Garden Apt	C	180651	178843	176477	178430	175674	198862	212185	203476.7	217092	207583	203312	197826	2330412	1743148	4.775748	
High Rise	D	30170	29157	36232	32527	36588	41956	48316	39639	57275	46627	38669	31966	469122	350903.3	0.961379	
Farms	F	39336.41	34608.71	30938.72	34342	34650	46997	42883.76	43795.72	45392.09	34833	38702	36174	462653.4	346064.7	0.948123	
Golf Course	G	9200	3125	2299	4047	4847	22798	55661	25358	29833	12243	27226	10723	207360	155105.3	0.424946	
Hospital	H	25160	21925	26078	27359	24923	33834	38178	36792	40609	30615	30620	28238	364331	272519.6	0.746629	
Industrial	I	94629.29	94954.36	95315.31	93542.64	102856.9	116857.4	136427.9	112602.4	136022.8	105036.7	109494	99564	1297304	970383.1	2.658584	
Laundries	L	9054	8818	9093	9343	9897	10032	8801	7795	9343	8419	9151	8639	9022	108064	80831.87	0.221457
Motel/Hotel	M	25292	24445	25473	31169	33052	39708	41113	38842	39263	40445	34107	32146	405055	302981.1	0.830085	
Other Water Authority	O	56329	48849	42248	45456	43563	57929	72282	57821	72957	63064	62854	52992	676344	505905.3	1.386042	

Hydrant Meter	P	340	42	517	124	258	796	532	364	355	1161	320	252	5061	3785.628	0.010372
Restaurant	R	24714.38	22090.35	23924.37	25672.37	25738.03	29971.37	32675.04	30586.39	33811.37	28380	28334	26900	332797.7	248932.7	0.682007
Lawn Sprinkler System	S	2071	1367	1255	2695	7426	19495	26486	32750	22350	18750	11440	3507	149592	111894.8	0.306561
University of Ky	U	20216	23431	26143	22996	24669	27836	33261	38453	35228	33139	32795	24235	342402	256116.7	0.70169
Car Wash	W	5591	5326	5834	4966	4611	6000	4896	4157	5075	4586	5813	4651	61506	46006.49	0.126045
Fire Service	X	845	187999	2897	20984	18858	9450	3381	2174	40801	2630	142150	1274	433443	324215.4	0.888261
Other	Z	170417.4	164328	169988.8	176833.8	197265.6	245828	261199.9	311809.2	263933.1	212651.7	210026.4	183825.2	2568107	1920944	5.262861
TOTAL 100 CU FT		1203070	1330062	1138286	1193410	1263310	1596483	1758518	1628272	1730671	1430729	1568772	1301831	17143413		
1000 GALLONS		899896	994886.3	851437.7	892670.8	944955.8	1194169	1315371	1217947	1294542	1070185	1173442	973769.6		12823273	35.13225