

6/3/99

		1998 Actual	2000 Projected	2005 Projected	2010 Projected	2015 Projected	2020 Projected
1	Average Day Demand w/out Conservation		43.42	44.99	46.41	47.26	48.18
2	Maximum Day Demand w/out Conservation (95% Exceedance)		77.27	79.91	82.28	83.64	<b>84.76</b>
3	Average Day Demand with Conservation	<b>42.26</b>	40.61	42.1	43.47	44.29	45.18
4	Maximum Day Demand with Conservation (95% Exceedance)	<b>64.67</b>	74.36	76.92	79.25	80.58	<b>81.97</b>
5	6-month Summer Average Day Demand, w/out conservation (95% Exc.)		58	60	62	63	64
6	6-month Drought Summer Average, w/out conservation (99% Exceedance)		60	61	63	64	<b>65</b>
7	6-month Summer Average Day Demand, w/ conservation (95% Exceedance)	<b>46.05</b>	55	57	58	59	60
8	6-month Drought Summer Average, w/ conservation (99% Exceedance)		56	58	59	60	<b>61</b>
9	Trended Maximum Day 95% Confidence Interval		69.30	75.57	81.85	88.15	94.45
10	Trended Average Day Demand		44.39	48.08	51.77	55.45	59.14
11	Trended Average Day Demand 95% Prediction Interval		47.93	51.62	55.30	58.99	62.68
12	Trended Average Day Demand, 95% PI, 6-mo. Summer Average		53.68	57.81	61.94	66.07	70.20
13	TADD, 95% PI, 6 mo. Summer Avg, w/Conservation		52.00	56.05	60.13	64.23	68.33
14	TADD, 95% PI, 6 mo. Summer Avg, w/Conservation & Odd/Even Watering Restrictions		49.92	53.81	57.73	61.66	65.60
15	UK WRRRI -High Growth - 1930 Drought, 6 month Summer Average		49.28		57.01		63.50

Actual Demand does not include in-plant usage.

## Kentucky-American Water Company

	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020
Number of Customers	55,351	62,256	68,002	76,274	85,180	93,667*				
Average Day Demand (MGD)	26.96	32.03	33.50	34.40	39.86	<i>40.61</i>	<i>42.1</i>	<i>43.47</i>	<i>44.29</i>	<i>45.18</i>
Maximum Day Demand (MGD)	37.36	48.01	46.72	58.52	63.77	<i>74.36</i>	<i>76.92</i>	<i>79.25</i>	<i>80.58</i>	<i>81.97</i>

\*As of June 30, 1999

Note: Italicized numbers are updated projections adopted by the Fayette County Water Supply Planning Council that are based on the 1996 LFUCG Population Projections and include conservation. The PSC ordered in August 1997 that KAWC meet maximum day demands through 2020. Current treatment capacity is 65 mgd.

File:\files\demfor\WSPC PROJ4.xls

Sheet:cjinfor

## Kentucky-American Water Company Demand Projections - August 1999

Category	1994	1995	1996	1997	1998	2000	2010	2020
Single Family Residential	12.27	12.19	13.08	12.52	13.14	12.99	13.9	14.35
Multi-Family Apartement	6.21	6.29	8.7	7.57	7.65	7.59	8.12	8.38
Commercial	8.37	7.84	8.12	8.18	8.4	8.59	9.21	9.52
Industrial	1.23	1.23	1.31	1.39	1.52	1.55	1.67	1.72
University of Kentucky	1.97	1.88	0.67	0.76	0.77	0.77	0.77	0.77
Other Public Use	1.6	1.52	1.35	1.37	1.97	2.01	2.16	2.23
System and Non-Revenue Use *	6.33	6.41	5.17	6.25	5.2	6.43	6.87	7.13
Sub-Total - Fayette County Only	37.98	37.36	38.4	38.04	38.65	39.93	42.7	44.1
Total KAWC Demands - Average Day without conservation						43.42	46.41	48.18
Total KAWC Demands - Average Day with conservation	40.55	40.02	41.03	40.92	42.26	40.61	43.47	45.18
Maximum Day Demand - Entire System	58.36	63.77	53.7	60.7	64.67	74.36	79.25	81.97
Drought Average Day Demand - Entire System						53	56	58

\* For Entire KAWC System

As adopted by the Fayette County Water Supply Planning Council

File: \DEMFOR\WSPC PROJ4.xls