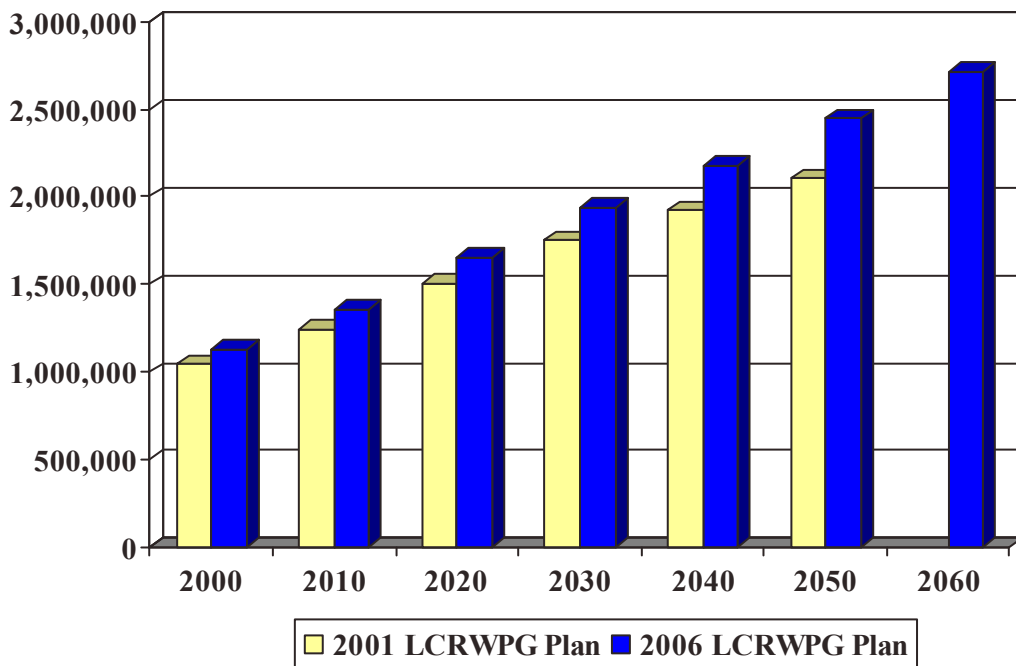


## Region K Population and Water Demand Projections

October 2004

A key task in the preparation of the 2006 Lower Colorado Regional Water Planning Group (LCRWPG) Plan for the Lower Colorado Region (Region K) is to estimate current and future populations and water demands within the region. The population projections and water demand projections have been adopted by the LCRWPG and TWDB (Texas Water Development Board). The 2006 population projections were developed utilizing year 2000 census data as a starting point with adjustments made by the LCRWPG as necessary. The water demands were developed by multiplying the population by the anticipated gallons per capita day usage, which took into consideration expected water conservation. In the graph below, the 2006 LCRWPG Plan population projections are compared to the 2001 LCRWPG Plan population projections over the planning periods.

### Lower Colorado Region Population Projections



As shown in the graph above, the population in the Lower Colorado Region is projected to more than double over the next 60 years. There is no 2001 LCRWPG Plan population for 2060 because the 2001 LCRWPG Plan only looked at planning through 2050.

*Table 1* below presents the 2006 Plan population projections by county for each decade of the 60-year planning period. The majority of the 14 counties (3 are only partially contained in Region K) in the region are projected to grow significantly over the planning period, with Travis County continuing to account for approximately 70 percent of the total population for the region.

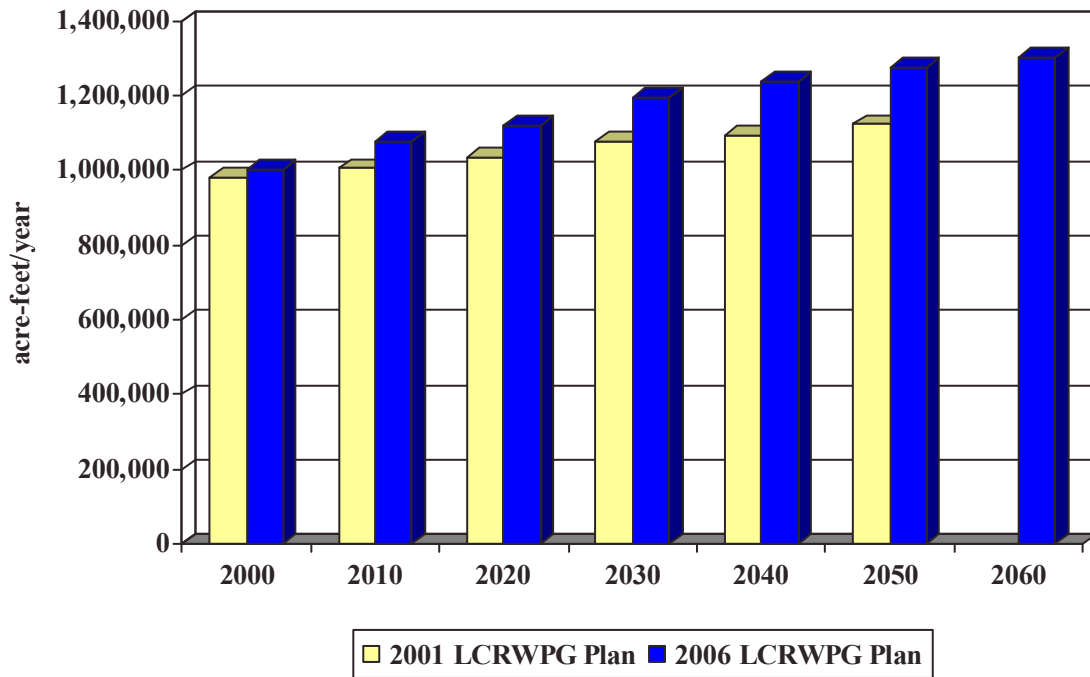
**Table 1 Population Projection by County**

County	2000	2010	2020	2030	2040	2050	2060
Bastrop	57,733	75,386	97,601	123,734	153,392	190,949	237,958
Blanco	8,418	9,946	11,756	13,487	15,002	16,641	18,544
Burnet	34,147	41,924	51,044	60,382	69,271	78,981	90,263
Colorado	20,390	21,101	22,032	22,550	22,760	22,801	22,561
Fayette	21,804	24,826	28,808	32,363	35,259	38,933	44,120
Gillespie	20,814	24,089	27,510	28,845	28,845	28,845	28,845
Hays (p)	25,090	46,143	69,377	88,887	108,495	132,051	150,574
Llano	17,044	17,360	17,360	17,360	17,360	17,360	17,360
Matagorda	37,957	40,506	43,295	44,991	45,925	45,793	45,377
Mills	5,151	5,137	5,414	5,476	5,537	5,497	5,397
San Saba	6,186	6,387	6,746	7,059	7,332	7,365	7,409
Travis	812,280	969,955	1,185,499	1,385,236	1,550,538	1,722,737	1,888,543
Wharton (p)	26,721	28,260	29,872	30,911	31,508	31,523	31,188
Williamson (p)	38,493	48,657	60,711	75,043	90,627	107,582	125,766
<b>TOTAL</b>	<b>1,132,228</b>	<b>1,359,677</b>	<b>1,657,025</b>	<b>1,936,324</b>	<b>2,181,851</b>	<b>2,447,058</b>	<b>2,713,905</b>

(p) Denotes that only the portion of the county in the Lower Colorado Region is considered.

This projected increase in population is the principal force triggering the projected increase in total water demand. Total water demand for the Lower Colorado Region is projected to increase by nearly 300,000 acre-feet over the 60-year planning period. However, it is noted that this increase of approximately 30 percent is significantly lower than the 140 percent increase in the population. The lesser increase in demand is largely due to the counter-effect of projected increases in municipal, manufacturing, and steam electric power water demand and the projected decrease in irrigation water demand. It also reflects the water conservation efforts being made and the impacts of the plumbing fixture efficiency laws that were promulgated in the early 1990's. The following graphs show the total projected water demands, comparing the 2006 LCRWPG Plan water demand projections to the 2001 LCRWPG Plan water demand projections, and the projected total water demands for the 2006 LCRWPG Plan by type of use for the years 2000 through 2060.

## Lower Colorado Region Water Demand Projections



## Lower Colorado Region Water Demand Projections by Category

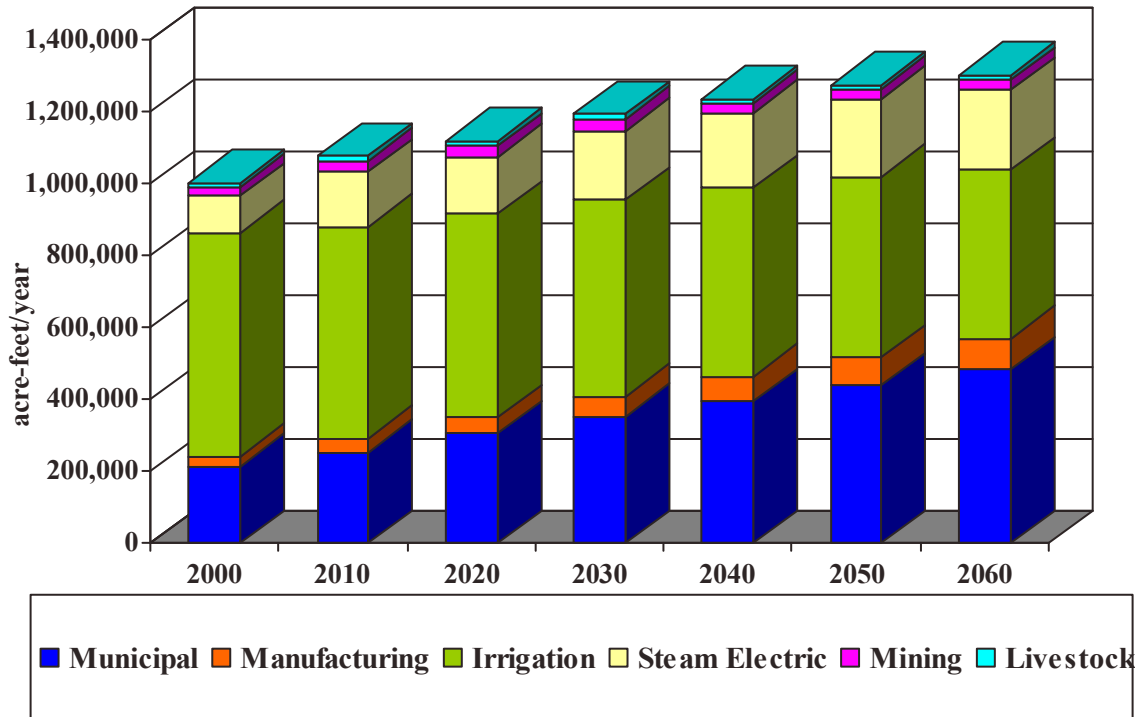


Table 2 presents the 2006 Plan water demand projections by county for each decade of the 60-year planning period. The size and direction of growth over the planning period varies greatly throughout the 14 counties in the region. Travis County shows the greatest increase in water demand of all of the counties, increasing from 19 percent of the total water demand in 2000 to 35 percent of the total water demand by 2060.

**Table 2 Total Water Demand Projection by County**

County	2000	2010	2020	2030	2040	2050	2060
Bastrop	20,627	31,936	36,837	42,241	43,286	49,981	56,668
Blanco	1,729	1,888	2,096	2,295	2,459	2,657	2,901
Burnet	9,158	10,665	12,190	13,659	15,093	16,625	18,483
Colorado	234,633	226,407	218,516	210,663	203,009	195,589	188,466
Fayette	28,219	49,993	50,978	60,720	72,406	72,895	79,539
Gillespie	7,497	8,047	8,590	8,736	8,669	8,633	8,652
Hays (p)	4,714	8,126	11,702	14,607	17,545	21,129	23,984
Llano	7,213	6,993	6,726	6,809	6,920	7,093	7,336
Matagorda	289,063	292,146	286,478	302,570	296,803	291,112	286,093
Mills	4,912	4,826	4,790	4,720	4,650	4,574	4,501
San Saba	6,023	5,921	5,836	5,748	5,662	5,559	5,474
Travis	187,037	233,465	280,109	331,138	374,041	416,432	454,073
Wharton (p)	196,548	188,778	182,516	176,340	170,347	164,578	142,430
Williamson (p)	6,962	8,850	11,100	13,762	16,625	19,743	23,082
<b>TOTAL</b>	<b>1,004,335</b>	<b>1,078,041</b>	<b>1,118,464</b>	<b>1,194,008</b>	<b>1,237,515</b>	<b>1,276,600</b>	<b>1,301,682</b>

(p) Denotes that only the portion of the county in the Lower Colorado Region is considered.

For the complete Lower Colorado Region population and water demand projections by water user group refer to the Region K website: <http://www.regionk.org/>