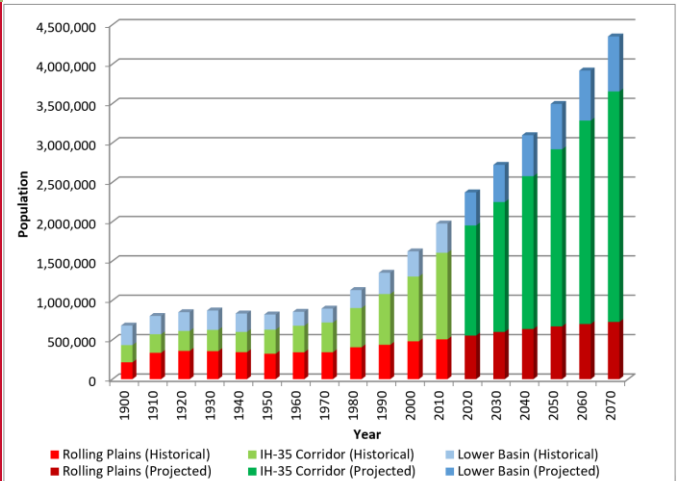




2

Projected Population and Water Demands





This page intentionally left blank.

2 Projected Population and Water Demands

2.1 Introduction

The Texas Water Development Board (TWDB) publishes population and water demand projections for each county in the state for use by the regional water planning groups. Population projections were developed for municipal water user groups (WUGs), which are defined as private or publically-owned water systems that provide more than 100 acre-feet per year (acft/yr) for municipal use, and “County-Other” to capture those people living outside the WUG-sized utilities. In the Brazos G Area, population projections were completed for 283 municipal WUGs, including 37 County-Other WUGs. Multiple municipal WUGs are located in more than one county, resulting in 389 individual municipal WUG projections when the portions of WUGs located in different counties are separated. Water demand projections were also developed for other types of use on a county-wide basis, including manufacturing, steam-electric, mining, irrigation, and livestock uses.

The TWDB has adopted several revisions to the population and water demand projections for the Brazos G Area, as suggested by the Brazos G regional water planning group (RWPG). Revisions have been made to the census-based population projections, and municipal, manufacturing, irrigation and steam-electric water demand projections. Revisions to the population and municipal water demand projections for municipal WUGs resulted from coordination with individual utilities and included modifications to both population and/or projected per-capita water use (gallons per capita daily [gpcd]) projections. Water demand projections for mining use in Lee and Robertson Counties were revised to reflect input from industry and the Brazos G RWPG.

2.2 Population Projections

As shown in Figure 2-1, the population of the 37-county area is projected to increase from 2,371,598 in 2020 to 4,351,969 in 2070, an increase of 184 percent (1.4 percent annual growth). This is somewhat greater than the projected statewide population growth during the same period of 105 percent (1.2 percent annually). In 2070, it is projected that 34 percent of the Brazos G Area population will live in Williamson County, 16 percent in Bell County, 11 percent in Brazos County, 8 percent in McLennan County, 8 percent in Johnson County, 4 percent in Taylor County, 3 percent in Coryell County, and 16 percent among remaining counties. Projections and growth rates for each of the 37 counties and 283 WUGs, including “County-Other,” in the Brazos G Area are presented in Table 2-1.

Growth in the Brazos G Area is concentrated along the Interstate Highway 35 (IH-35) corridor, stretching from Williamson County in the south to Johnson County in the north. Growth is also taking place along US Highway 183 in Williamson and Lampasas counties, Taylor and Jones counties (Abilene area), and Brazos County (Bryan/College Station area). Williamson County is projected to be the fastest growing county between 2020 and 2070, growing at 2.5 percent annually. Bell, Brazos, Bosque, Coryell, Hood, Johnson, and Williamson, Robertson counties are all projected to grow at 1.0 percent or more annually. A comparison of the annual growth rates for all the counties is shown in Figure 2-2.

Figure 2-1. Population Projections

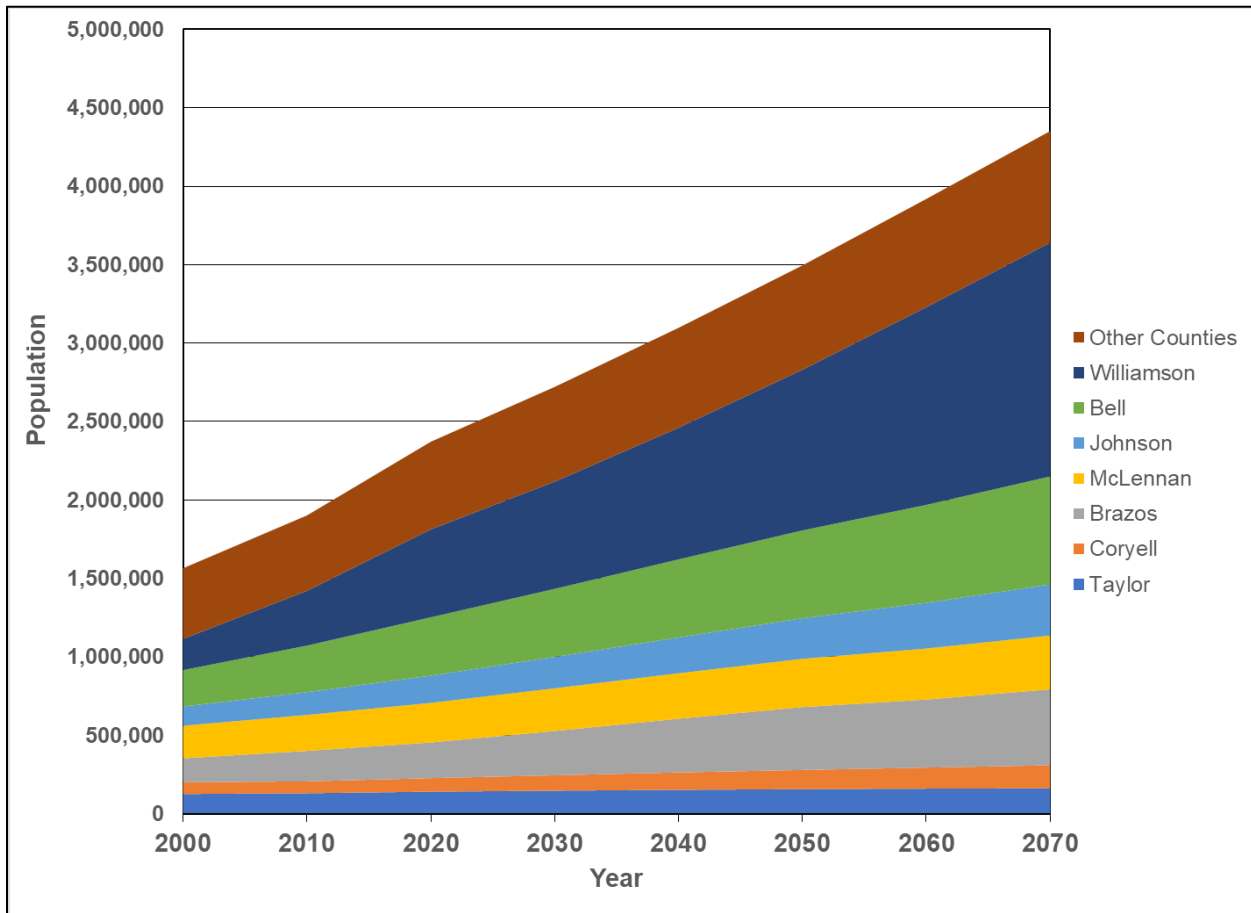




Table 2-1. Historical and Projected Population by Water User Group/County

WUG/County	Historical		Projections ¹						Annual Percent Growth	
	2000	2010	2020	2030	2040	2050	2060	2070	2000- 2010	2010-2070
Bell County										
439 WSC	5,274	5,598	10,220	12,327	14,490	16,700	18,961	21,285	0.60%	1.36%
Armstrong WSC	1,980	2,143	2,616	2,810	2,994	3,168	3,338	3,507	0.79%	0.56%
Bartlett (P)	818	690	827	972	1,123	1,272	1,417	1,561	-1.69%	1.34%
Bell County WCID 2	-	-	2,239	2,535	2,835	3,130	3,419	3,704	-	-
Bell County WCID 3	-	-	7,403	10,072	13,930	16,468	18,362	20,216	-	-
Bell-Milam-Falls WSC (P)	1,980	2,153	2,255	2,430	2,596	2,754	2,909	3,061	0.84%	0.59%
Belton	14,623	18,216	21,753	25,571	29,514	33,433	37,278	41,063	2.22%	1.34%
Central Texas College District	-	-	70	71	71	71	71	71	-	-
County-Other	-	-	2,694	2,971	3,248	3,525	7,405	11,107	-	-
Dog Ridge WSC	3,534	2,623	5,211	6,126	7,070	8,008	8,930	9,836	-2.94%	1.34%
East Bell County WSC (P)	2,274	3,011	3,486	4,122	4,781	5,436	6,079	6,710	2.85%	1.38%
Elm Creek WSC (P)	1,445	1,947	2,257	2,685	3,129	3,572	4,006	4,434	3.03%	1.43%
Fort Hood CDP (P)	17,282	15,174	16,936	17,196	17,282	17,282	17,282	17,282	-1.29%	0.22%
Georgetown	-	-	2,967	3,488	4,027	4,562	5,086	5,602	-	-
Harker Heights	17,308	26,700	31,372	36,879	42,566	48,218	53,763	59,222	4.43%	1.34%
Holland	1,102	1,121	1,100	1,132	1,154	1,172	1,189	1,206	0.17%	0.15%
Jarrell-Schwertner WSC (P)	1,231	1,141	2,264	2,826	3,488	4,182	4,956	5,751	-0.76%	1.34%
Kempner WSC (P)	2,471	1,671	1,900	2,166	2,393	2,603	2,803	2,991	-3.84%	1.34%
Killeen	86,911	127,921	144,243	169,560	195,711	221,697	247,195	272,291	3.94%	1.34%
Little Elm Valley WSC (P)	-	-	1,505	1,769	2,042	2,313	2,580	2,842	-	-
Moffat WSC	3,732	3,931	4,019	4,242	4,440	4,621	4,799	4,974	0.52%	0.39%
Morgans Point Resort	2,989	4,170	5,077	6,110	7,187	8,261	9,315	10,353	3.39%	1.53%

Table 2-1. Historical and Projected Population by Water User Group/County

WUG/County	Historical		Projections ¹						Annual Percent Growth	
	2000	2010	2020	2030	2040	2050	2060	2070	2000- 2010	2010-2070
Pendleton WSC	2,431	2,592	2,284	2,430	2,565	2,691	2,813	2,934	0.64%	0.01%
Rodgers	1,117	1,218	1,343	1,450	1,551	1,648	1,743	1,837	0.87%	0.61%
Salado WSC	3,847	4,391	6,001	6,648	7,288	7,913	8,525	9,128	1.33%	1.03%
Temple	54,514	66,102	81,736	96,082	110,900	125,626	140,074	154,295	1.95%	1.34%
The Grove WSC (P)	-	-	1,218	1,306	1,509	1,709	1,904	2,098	-	-
Troy	-	-	2,049	2,321	2,598	2,869	3,136	3,398	-	-
West Bell County WSC	5,456	4,263	4,911	5,321	5,348	5,348	5,348	5,348	-2.44%	0.41%
Bell County Total	232,319	296,776	371,956	433,618	497,830	560,252	624,686	688,107	2.48%	1.41%
Bosque County										
Childress Creek WSC	2,091	2,382	2,226	2,432	2,537	2,602	2,644	2,670	1.31%	0.49%
Clifton	3,542	3,442	3,859	4,215	4,398	4,513	4,585	4,629	-0.29%	0.49%
County-Other	-	-	5,645	6,189	6,442	6,564	6,609	6,806	-	-
Cross Country WSC (P)	178	660	756	825	860	883	897	905	14.00%	0.48%
Highland Park WSC (P)			415	452	474	491	505	516		
Hilco United Services (P)	-	-	1,420	1,530	1,610	1,694	1,774	1,863	-	-
Meridian	1,491	1,493	1,764	1,927	2,011	2,062	2,097	2,117	0.01%	0.49%
Mustand Valley WSC	-	-	2,104	2,299	2,399	2,459	2,500	2,525	-	-
Smith Bend WSC	-	-	751	820	856	878	892	689	-	-
Valley Mills (P)	1,120	1,190	1,370	1,495	1,560	1,601	1,626	1,642	0.61%	0.49%
Bosque County Total	8,422	9,167	20,310	22,184	23,147	23,747	24,129	24,362	0.85%	1.64%
Brazos County										
Bryan	65,660	76,201	84,196	99,959	118,714	140,827	167,176	211,266	1.50%	1.46%
College Station	57,404	83,714	100,854	129,102	165,261	195,852	195,852	195,852	3.85%	1.59%



Table 2-1. Historical and Projected Population by Water User Group/County

WUG/County	Historical		Projections ¹						Annual Percent Growth	
	2000	2010	2020	2030	2040	2050	2060	2070	2000- 2010	2010-2070
County-Other	6,572	8,683	2,687	2,687	2,687	2,687	2,687	2,687	2.82%	-0.45%
Texas A&M University	10,486	10,143	11,851	12,000	12,000	12,000	12,000	12,000	-0.33%	0.28%
Wellborn SUD	6,550	8,106	16,864	25,740	29,094	32,870	37,074	41,402	2.15%	1.31%
Wickson Creek SUD (P)	5,743	8,004	11,202	12,965	14,731	16,815	18,992	21,339	3.38%	1.69%
Brazos County Total	152,415	194,851	227,654	282,453	342,487	401,051	433,781	484,546	2.49%	1.53%
Burleson County										
Caldwell	3,449	4,104	4,896	5,060	5,276	5,312	5,412	5,498	1.75%	0.49%
County-Other	6,439	5,825	5,502	6,273	6,488	7,021	7,262	7,402	-1.00%	0.49%
Deanville WSC	2,570	2,900	3,186	3,244	3,379	3,356	3,401	3,440	1.22%	0.49%
Milano WSC (P)	1,447	1,730	1,774	1,908	1,994	2,079	2,146	2,203	1.80%	0.49%
Snook	568	511	865	930	970	1,013	1,045	1,072	-1.05%	0.49%
Somerville	1,704	1,376	1,530	1,686	1,848	2,033	2,226	2,432	-2.12%	0.49%
Southwest Milam WSC (P)	293	741	786	845	883	921	950	975	9.72%	0.49%
Burleson County Total	16,470	17,187	18,539	19,946	20,838	21,735	22,442	23,022	0.43%	0.49%
Callahan County										
Baird	1,623	1,496	1,601	1,601	1,601	1,601	1,601	1,601	-0.81%	0.00%
Callahan County WSC (P)	-	-	2,097	2,245	2,326	2,367	2,399	2,418	-	-
Clyde	3,344	3,713	3,792	4,060	4,205	4,280	4,337	4,372	1.05%	0.35%
Coleman County WSC (P)	392	150	241	258	267	273	276	277	-9.16%	0.35%
County-Other	6,408	7,133	2,887	3,206	3,383	3,471	3,535	3,578	1.08%	0.41%
Cross Plains	1,068	982	1,134	1,214	1,257	1,280	1,296	1,307	-0.84%	0.35%
EULA WSC	-	-	2,499	2,676	2,771	2,823	2,860	2,884	-	-
Hamby WSC (P)	-	-	152	159	163	167	169	171	-	-

Table 2-1. Historical and Projected Population by Water User Group/County

WUG/County	Historical		Projections ¹						Annual Percent Growth	
	2000	2010	2020	2030	2040	2050	2060	2070	2000- 2010	2010-2070
Potosi WSC (P)	70	70	79	85	88	89	91	92	0.00%	0.36%
Callahan County Total	12,905	13,544	14,482	15,504	16,061	16,351	16,564	16,700	0.48%	0.35%
Comanche County										
Comanche	4,482	4,335	4,491	4,670	4,791	4,947	5,081	5,208	-0.33%	0.31%
County-Other	7,111	7,393	7,715	8,021	8,228	8,498	8,728	8,944	0.39%	0.31%
De Leon	2,433	2,246	2,296	2,387	2,448	2,529	2,597	2,662	-0.80%	0.31%
Comanche County Total	14,026	13,974	14,502	15,078	15,467	15,974	16,406	16,814	-0.04%	0.31%
Coryell County										
Central Texas College District	-	-	710	710	710	710	710	710	-	-
Copperas Cove (P)	29,455	31,457	35,213	39,984	45,294	49,935	54,882	59,807	0.66%	1.11%
Coryell City Water Supply District	3,221	4,334	4,950	5,619	6,366	7,019	7,714	8,407	3.01%	1.11%
County-Other	4,183	3,844	2,474	4,864	7,599	9,942	12,494	15,050	-0.84%	2.70%
Elm Creek WSC (P)	320	358	395	450	509	561	617	673	1.13%	1.11%
Flat WSC	-	-	467	530	601	662	727	793	-	-
Fort Gates WSC	-	-	1,913	2,173	2,461	2,714	2,983	3,250	-	-
Fort Hood CDP (P)	16,429	14,415	14,014	14,014	14,014	14,014	14,014	14,014	-1.30%	0.22%
Gatesville	15,591	15,751	17,489	19,858	22,494	24,799	27,257	29,702	0.10%	1.11%
Kempner WSC	3,409	2,712	3,542	3,978	4,371	4,755	5,120	5,463	-2.26%	1.11%
Mountain WSC	-	-	1,639	1,861	2,109	2,326	2,555	2,785	-	-
Multi-County WSC (P)	2,370	2,517	2,445	2,777	3,145	3,468	3,811	4,153	0.60%	1.11%
Mustang Valley WSC	-	-	28	30	31	33	33	33	-	-
Oglesby	-	-	645	732	829	914	1,005	1,095	-	-
The Grove WSC (P)	-	-	181	191	219	249	277	305	-	-



Table 2-1. Historical and Projected Population by Water User Group/County

WUG/County	Historical		Projections ¹						Annual Percent Growth	
	2000	2010	2020	2030	2040	2050	2060	2070	2000- 2010	2010-2070
Coryell County Total	74,978	75,388	86,105	97,771	110,752	122,101	134,199	146,240	0.05%	1.11%
Eastland County										
Cisco	3,851	3,899	4,108	4,197	4,201	4,203	4,203	4,203	0.12%	0.10%
County-Other	6,009	6,217	5,211	5,326	5,331	5,331	5,331	5,331	0.34%	0.10%
Eastland	3,769	3,960	3,946	4,032	4,035	4,035	4,035	4,035	0.50%	0.10%
Fort Griffin SUD (P)	-	-	12	14	14	14	14	14	-	-
Gorman	1,236	1,083	1,082	1,106	1,107	1,107	1,107	1,107	-1.31%	0.10%
Ranger	2,584	2,468	2,654	2,712	2,715	2,715	2,715	2,715	-0.46%	0.10%
Rising Star	835	835	867	886	887	887	887	887	0.00%	0.10%
Staff WSC	-	-	1,269	1,295	1,296	1,296	1,296	1,296	-	-
Stephens Regional SUD (P)	13	121	140	144	144	144	144	144	24.99%	0.11%
Eastland County Total	18,297	18,583	19,289	19,712	19,730	19,732	19,732	19,732	0.16%	0.10%
Erath County										
County-Other	14,326	17,113	18,611	20,848	22,698	24,811	26,462	27,989	1.79%	0.82%
Dublin	3,754	3,654	4,449	4,833	5,198	5,199	5,545	5,864	-0.27%	0.82%
Gordon	-	-	31	33	35	36	37	38	-	-
Stephenville	14,921	17,123	19,044	21,209	23,037	24,781	26,430	27,953	1.39%	0.82%
Erath County Total	33,001	37,890	42,135	46,923	50,968	54,827	58,474	61,844	1.39%	0.82%
Falls County										
Bell-Milam-Falls WSC (P)	915	1,199	1,149	1,207	1,221	1,191	1,228	1,265	2.74%	0.30%
Burceville-Eddy (P)	2	4	1,061	1,144	1,507	1,599	1,691	1,782	7.18%	0.00%
Cego-Durango WSC	-	-	1,054	1,108	1,119	1,093	1,126	1,160	-	-
County-Other	3,432	3,817	6,108	6,380	6,082	5,797	5,916	6,047	1.07%	0.30%

Table 2-1. Historical and Projected Population by Water User Group/County

WUG/County	Historical		Projections ¹						Annual Percent Growth	
	2000	2010	2020	2030	2040	2050	2060	2070	2000- 2010	2010-2070
East Bell County WSC (P)	612	300	318	335	338	329	340	349	-6.88%	0.30%
Little Elm Valley WSC (P)	-	-	78	90	104	117	131	144	-	-
Marlin	6,628	5,967	6,772	7,115	7,189	7,020	7,233	7,453	-1.05%	0.30%
North Milam WSC (P)	-	-	17	17	19	20	20	21	-	-
Rosebud	1,493	1,412	1,553	1,632	1,648	1,610	1,659	1,709	-0.56%	0.30%
West Brazos WSC (P)	1,820	1,366	1,303	1,369	1,383	1,350	1,392	1,434	-2.83%	0.30%
Falls County Total	14,902	14,065	19,413	20,397	20,610	20,126	20,736	21,364	-0.58%	0.70%
Fisher County										
Bitter Creek WSC (P)	1,150	839	1,013	1,013	1,013	1,013	1,013	1,013	-3.10%	0.01%
County-Other	910	984	655	655	655	655	655	655	0.78%	0.01%
Roby	673	643	666	666	666	666	666	666	-0.45%	0.01%
Rotan	1,611	1,508	1,667	1,667	1,667	1,667	1,667	1,667	-0.66%	0.01%
Fisher County Total	4,344	3,974	4,001	4,001	4,001	4,001	4,001	4,001	-0.89%	0.01%
Grimes County										
County-Other	11,388	12,048	8,833	9,035	9,064	9,032	8,873	8,604	0.56%	0.36%
Dobbin-Plantersville WSC	1,560	1,976	1,794	2,078	2,294	2,522	2,710	2,875	2.39%	1.09%
G&W WSC	1,023	2,441	3,528	4,723	5,629	6,587	7,381	8,075	9.09%	2.12%
Navasota	6,789	7,049	7,529	7,771	7,955	8,149	8,310	8,450	0.38%	0.25%
TDCJ Luther Units	-	-	1,478	1,615	1,720	1,830	1,922	2,001	-	-
TDCJ W Pack Units	-	-	1,687	1,845	1,964	2,089	2,194	2,285	-	-
Wickson Creek SUD (P)	2,792	3,090	4,592	5,112	5,632	6,245	6,887	7,577	1.02%	0.59%
Grimes County Total	23552	26,604	29,441	32,179	34,258	36,454	38,277	39,867	1.23%	0.68%



Table 2-1. Historical and Projected Population by Water User Group/County

WUG/County	Historical		Projections ¹						Annual Percent Growth	
	2000	2010	2020	2030	2040	2050	2060	2070	2000- 2010	2010-2070
Hamilton County										
County-Other	3,281	3,374	3,387	3,431	3,431	3,431	3,431	3,431	0.28%	0.03%
Hamilton	2,977	3,095	3,114	3,172	3,172	3,172	3,172	3,172	0.39%	0.04%
Hico	1,341	1,379	1,385	1,404	1,404	1,404	1,404	1,404	0.28%	0.03%
Multi-County WSC (P)	630	669	676	696	696	696	696	696	0.60%	0.07%
Hamilton County Total	8,229	8,517	8,562	8,703	8,703	8,703	8,703	8,703	0.34%	0.04%
Haskell County										
County-Other	2,246	1,908	2,640	2,667	2,680	2,708	2,746	2,805	-1.62%	0.10%
Haskell	3,106	3,322	3,239	3,272	3,290	3,322	3,372	3,444	0.67%	0.11%
Stamford (P)	43	33	34	34	34	34	35	36	-2.61%	0.15%
Haskell County Total	5,395	5,263	5,913	5,973	6,004	6,064	6,153	6,285	-0.25%	0.30%
Hill County										
Birome WSC (P)	-	-	741	789	822	855	881	901	-	-
Bold Springs WSC (P)	-	-	155	167	178	188	199	209	-	-
Brandon-Irene WSC (P)	2,009	1,796	1,750	1,863	1,940	2,018	2,080	2,126	-1.11%	0.45%
Chatt WSC	-	-	726	772	805	837	862	882	-	-
County-Other	5,784	8,069	1,974	2,166	2,141	2,102	1,936	1,881	3.39%	0.45%
Double Diamond Utilities (P)	-	-	1,863	1,939	2,018	2,078	2,126	2,213	-	-
Files Valley WSC (P)	1,963	2,449	2,538	2,702	2,812	2,928	3,014	3,065	2.24%	0.45%
Gholson WSC	-	-	677	752	818	885	952	1,017	-	-
Hilco United Services (P)	8,232	8,456	4,039	4,352	4,579	4,819	5,048	5,201	0.27%	0.45%
Hill County WSC	-	-	3,446	3,669	3,820	3,976	4,093	4,189	-	-
Hillsboro	-	-	9,313	9,916	10,324	10,744	11,063	11,226	-	-

Table 2-1. Historical and Projected Population by Water User Group/County

WUG/County	Historical		Projections ¹						Annual Percent Growth	
	2000	2010	2020	2030	2040	2050	2060	2070	2000- 2010	2010-2070
Hubbard	1,586	1,423	1,585	1,687	1,756	1,827	1,882	1,912	-1.08%	0.45%
Itasca	1,503	1,644	1,727	1,839	1,914	1,991	2,051	2,099	0.90%	0.45%
Johnson County SUD (P)	177	202	135	148	165	182	199	216	1.33%	0.45%
Parker WSC (P)	371	275	285	303	316	329	338	345	-2.95%	0.45%
Post Oak SUD	-	-	898	963	1,020	1,112	1,239	1,369	-	-
Whitney	1,833	2,087	2,570	2,624	2,732	2,843	2,928	2,997	1.31%	0.45%
Woodrow-Osceola WSC	5,396	3,900	3,406	3,626	3,775	3,929	4,046	4,141	-3.19%	0.45%
Hill County Total	28,854	30,301	37,828	40,277	41,935	43,643	44,937	45,989	0.49%	0.70%
Hood County										
Acton MUD (P)	12,222	13,689	19,353	31,209	39,017	43,099	47,606	52,589	1.14%	2.29%
County-Other	17,508	22,875	25,280	19,711	16,411	16,208	14,682	11,981	2.71%	-0.57%
Granbury	5,718	7,978	14,656	17,791	20,037	21,972	23,458	24,596	3.39%	1.29%
Lipan	-	-	946	1,098	1,206	1,299	1,370	1,425	-	-
Santo SUD (P)	-	-	55	60	63	67	70	75	-	-
Tolar	504	681	1,026	1,230	1,377	1,502	1,599	1,673	3.06%	1.21%
Hood County Total	35,952	45,223	61,316	71,099	78,111	84,147	88,785	92,339	2.32%	1.20%
Johnson County										
Acton MUD (P)	101	245	255	411	514	569	627	693	9.27%	2.81%
Alvarado	3,288	3,785	4,174	4,715	5,273	5,884	6,544	7,250	1.42%	1.12%
Bethany WSC	3000	3466	3879	4392	4921	5501	6,127	6,797	1.45%	1.14%
Bethesda WSC (P)	14,650	13,493	18,180	20,976	23,861	27,024	30,437	34,090	-0.82%	1.29%
Burleson (P)	17514	29111	34351	41851	48862	53368	59,303	66,588	5.21%	1.43%
Cleburne	26,005	29,337	38,220	42,564	51,236	60,121	70,546	78,919	1.21%	1.01%



Table 2-1. Historical and Projected Population by Water User Group/County

WUG/County	Historical		Projections ¹						Annual Percent Growth	
	2000	2010	2020	2030	2040	2050	2060	2070	2000- 2010	2010-2070
County-Other	15,969	14,888	8,874	10,757	8,035	4,397	1,390	1,500	-0.70%	-0.10%
Crowley	0	31	61	96	132	170	212	257	-	3.59%
Double Diamond Utilities (P)	-	-	122	127	132	136	139	249	-	-
Fort Worth	0	0	0	0	0	5,036	8,057	10,072	-	-
Godley	879	1,009	1,009	1,139	1,271	1,418	1,574	1,743	1.39%	1.11%
Grandview	1,358	1,561	1,755	1,981	2,214	2,470	2,745	3,039	1.40%	1.12%
Johnson County SUD (P)	28,333	32,415	42,033	45,973	51,300	56,628	61,955	67,282	1.36%	1.29%
Keene	5,003	6,106	7,307	8,557	9,846	11,260	12,785	14,416	2.01%	1.41%
Mansfield (P)	622	1,652	2,576	3,695	4,849	6,115	7,481	8,942	10.26%	2.89%
Mountain Peak SUD (P)	1,200	1,585	3,579	4,362	5,170	6,056	7,012	8,035	2.82%	1.71%
Parker WSC (P)	1,753	2,464	3,008	3,763	4,544	5,398	6,320	7,307	3.46%	1.90%
Rio Vista	656	873	1,117	1,366	1,623	1,906	2,210	2,535	2.90%	1.74%
Venus (P)	1,892	2,895	3,335	3,848	4,377	4,957	5,583	6,253	4.35%	1.29%
Johnson County Total	122,223	144,916	173,835	200,573	228,160	258,414	291,047	325,967	1.72%	1.36%
Jones County										
Abilene (P)	5,488	5,145	5,203	5,508	5,721	5,904	6,056	6,180	-0.64%	0.39%
Anson	2,556	2,430	2,565	2,716	2,821	2,912	2,986	3,047	-0.50%	0.39%
County-Other	1,248	2,096	2,853	3,026	3,154	3,260	3,354	3,428	5.32%	0.38%
Hamby WSC (P)	-	-	449	471	483	493	500	506	-	-
Hamlin	2,248	2,124	2,254	2,386	2,478	2,559	2,623	2,678	-0.57%	0.39%
Hawley WSC (P)	5,006	4,682	4,795	5,070	5,266	5,433	5,570	5,681	-0.67%	0.39%
Stamford (P)	3,593	3,091	3,305	3,499	3,635	3,751	3,848	3,926	-1.49%	0.39%
Jones County Total	20,139	19,568	21,424	22,676	23,558	24,312	24,937	25,446	-0.29%	0.44%

Table 2-1. Historical and Projected Population by Water User Group/County

WUG/County	Historical		Projections ¹						Annual Percent Growth	
	2000	2010	2020	2030	2040	2050	2060	2070	2000- 2010	2010-2070
Kent County										
County-Other	346	274	116	134	134	134	134	134	-2.31%	0.01%
Jayton	513	534	682	682	682	682	682	682	0.40%	0.02%
Kent County Total	859	808	798	816	816	816	816	816	-0.61%	0.02%
Knox County										
Baylor SUD (P)	-	-	7	7	7	7	7	7	-	-
County-Other	1,507	1,289	1,255	1,297	1,326	1,358	1,385	1,407	-1.55%	0.25%
Knox City	1,219	1,130	1,147	1,194	1,218	1,247	1,270	1,290	-0.76%	0.25%
Munday	1,527	1,300	1,327	1,381	1,410	1,443	1,470	1,492	-1.60%	0.25%
Red River Authority of Texas	-	-	111	124	125	128	128	129	-	-
Knox County Total	4,253	3,719	3,847	4,003	4,086	4,183	4,260	4,325	-1.33%	0.25%
Lampasas County										
Copperas Cove (P)	137	575	1,040	1,401	1,759	2,126	2,450	2,742	15.42%	2.85%
Corix Utilities Texas Inc. (P)	-	-	2,226	2,280	2,417	2,562	2,664	2,770	-	-
County-Other	5,972	2,518	1,119	1,167	1,028	882	780	672	-8.27%	-0.63%
Kempner WSC (P)	3,081	7,958	9,563	10,572	11,350	12,146	12,851	13,485	9.95%	0.75%
Lampasas	6,786	6,681	7,852	8,680	9,320	9,973	10,551	11,072	-0.16%	0.75%
Lampasas County Total	15,976	17,732	21,800	24,100	25,874	27,689	29,296	30,741	1.05%	0.92%
Lee County										
Aqua WSC (P)	2,604	2,460	2,832	3,184	3,386	3,460	3,509	3,536	-0.57%	0.61%
County-Other	2,418	1,623	1,286	1,445	1,538	1,568	1,593	1,606	-3.91%	0.61%
Giddings	5,105	4,881	5,792	6,512	6,927	7,078	7,179	7,233	-0.45%	0.61%
Lee County WSC (P)	4,125	6,213	7,557	8,497	9,036	9,233	9,365	9,435	4.18%	0.61%



Table 2-1. Historical and Projected Population by Water User Group/County

WUG/County	Historical		Projections ¹						Annual Percent Growth	
	2000	2010	2020	2030	2040	2050	2060	2070	2000- 2010	2010-2070
Lexington	1,178	1,177	1,373	1,545	1,642	1,679	1,702	1,715	-0.01%	0.61%
Southwest Milam WSC (P)	227	258	291	328	348	357	361	364	1.29%	0.61%
Lee County Total	15,657	16,612	19,131	21,511	22,877	23,375	23,709	23,889	0.59%	0.61%
Limestone County										
Birome WSC (P)	-	-	98	105	109	113	117	118	-	-
Bistone Municipal Water Supply District	-	-	586	615	635	665	690	704	-	-
Coolidge	848	955	1,074	1,190	1,285	1,389	1,474	1,534	1.20%	0.84%
County-Other	8,766	9,034	3,270	3,161	3,143	3,196	3,120	3,313	0.30%	0.26%
Groesbeck	4,291	4,328	4,377	4,419	4,453	4,490	4,520	4,502	0.09%	0.08%
Mart (P)	0	2	5	8	10	12	14	16		3.53%
Mexia	6,563	7,459	8,458	9,432	10,223	11,092	11,797	12,296	1.29%	0.89%
Point Enterprise WSC	-	-	782	825	858	889	916	935	-	-
Point Oak SUD	-	-	152	163	173	185	199	213	-	-
Prairie Hill WSC (P)	-	-	846	903	951	1,002	1,048	1,079	-	-
SLC WSC	-	-	1,229	1,302	1,361	1,426	1,478	1,509	-	-
Tri-County SUD (P)	1,059	1,080	2,128	2,236	2,259	2,206	2,273	2,319	0.20%	0.18%
White Rock WSC	-	-	2,131	2,256	2,357	2,469	2,560	2,614	-	-
Limestone County Total	21,527	22,858	25,136	26,615	27,817	29,134	30,206	31,152	0.60%	0.52%
McLennan County										
Axtell WSC	-	-	1,378	1,487	1,584	1,681	1,778	1,873	-	-
Bellmead	9,214	9,901	10,398	11,037	11,602	12,170	12,736	13,292	0.72%	0.50%
Birome WSC (P)	-	-	471	502	522	543	560	573	-	-

Table 2-1. Historical and Projected Population by Water User Group/County

WUG/County	Historical		Projections ¹						Annual Percent Growth	
	2000	2010	2020	2030	2040	2050	2060	2070	2000- 2010	2010-2070
Bold Springs WSC (P)	-	-	1,780	1,920	2,040	2,162	2,282	2,399	-	-
Bruceville-Eddy (P)	1,488	1,471	4,522	4,879	4,907	5,207	5,506	5,799	-0.11%	0.63%
Central Bosque WSC	-	-	856	925	985	1,045	1,105	1,164	-	-
Chalk Bluff WSC	2,700	2,646	2,646	2,646	2,646	2,646	2,646	2,646	-0.20%	0.00%
Coryell City Water Supply District (P)	469	631	763	915	1,049	1,184	1,319	1,451	3.01%	1.40%
County-Other	25,112	27,641	9,914	8,377	7,334	6,003	4,688	3,404	0.96%	-0.01%
Crawford	705	717	727	739	749	759	769	779	0.17%	0.14%
Cross County WSC (P)	2,372	2,409	2,503	2,540	2,571	2,603	2,636	2,667	0.15%	0.13%
East Crawford	-	-	967	1,044	1,111	1,179	1,247	1,314	-	-
Elm Creek WSC (P)	1,343	1,631	1,807	2,069	2,300	2,532	2,764	2,992	1.96%	1.07%
EOL WSC	-	-	1,894	2,044	2,177	2,311	2,443	2,574	-	-
Gholson	922	1,061	1,760	1,956	2,129	2,302	2,476	2,645	1.41%	0.85%
H&H WSC	-	-	1,607	1,734	1,846	1,961	2,073	2,182	-	-
Hewitt	11,085	13,549	17,373	19,949	22,225	24,514	26,795	29,034	2.03%	1.09%
Highland Park WSC (P)	-	-	170	186	195	202	207	212	-	-
Hilltop WSC	-	-	819	885	941	999	1,057	1,113	-	-
Lacy-Lakeview	5,764	6,489	6,831	7,487	8,064	8,647	9,227	9,797	1.19%	0.75%
Leroy Tours Gerald WSC	-	-	1,371	1,480	1,576	1,673	1,769	1,863	-	-
Levi WSC	-	-	912	984	1,047	1,112	1,176	1,239	-	-
Lorena	1,433	1,691	1,968	2,218	2,440	2,662	2,884	3,101	1.67%	0.96%
Mart (P)	2,273	2,207	2,370	2,558	2,724	2,891	3,057	3,221	-0.29%	0.63%
McGregor	4,727	4,987	5,234	5,480	5,696	5,915	6,132	6,346	0.54%	0.39%
Mclennan County WCID 2	-	-	1,762	1,902	2,025	2,149	2,273	2,395	-	-



Table 2-1. Historical and Projected Population by Water User Group/County

WUG/County	Historical		Projections ¹						Annual Percent Growth	
	2000	2010	2020	2030	2040	2050	2060	2070	2000- 2010	2010-2070
Moody	1,400	1,371	1,566	1,690	1,800	1,911	2,020	2,129	-0.21%	0.63%
North Bosque WSC	1,350	1,950	2,229	2,743	3,197	3,653	4,108	4,554	3.75%	1.57%
Prairie Hill WSC (P)			611	652	687	723	756	787		
Riesel	973	1,007	1,241	1,279	1,314	1,348	1,383	1,417	0.34%	0.27%
Robinson	7,845	10,509	12,851	15,380	17,613	19,859	22,099	24,296	2.97%	1.38%
Ross WSC	-	-	2,336	2,521	2,684	2,849	3,013	3,175	-	-
Spring Valley WSC	-	-	1,934	2,088	2,223	2,359	2,495	2,628	-	-
Texas State Technical College	-	-	579	624	664	704	743	783	-	-
Valley Mills (P)	3	13	23	33	42	52	61	70	15.79%	2.80%
Waco	113,726	124,805	132,512	142,778	151,846	160,966	170,055	178,976	0.93%	0.62%
West	2,692	2,807	2,706	2,807	2,896	2,986	3,075	3,163	0.42%	0.32%
West Brazos WSC (P)	1,614	1,208	1,139	1,229	1,309	1,390	1,470	1,548	-2.86%	0.63%
Windsor Water	-	-	636	687	731	776	821	864	-	-
Woodway	8,733	8,452	9,045	9,762	10,396	11,033	11,669	12,292	-0.33%	0.63%
McLennan County Total	207,943	229,153	252,211	272,216	289,887	307,661	325,373	342,757	0.98%	0.67%
Milam County										
Bell-Milam-Falls WSC (P)	1,327	1,610	1,506	1,596	1,659	1,739	1,808	1,873	1.95%	0.46%
Cameron	5,634	5,552	5,904	6,254	6,504	6,820	7,089	7,343	-0.15%	0.46%
County-Other	3,186	2,305	1,050	1,111	1,156	1,212	1,262	1,306	-3.19%	0.46%
Milano WSC (P)	1,568	1,828	1,841	1,951	2,027	2,127	2,210	2,290	1.55%	0.46%
North Milam WSC (P)	-	-	1,410	1,494	1,553	1,629	1,693	1,753	-	-
Rockdale	5,439	5,595	6,004	6,362	6,613	6,934	7,210	7,468	0.28%	0.46%
Salem Elm Ridge WSC	-	-	842	892	927	973	1,011	1,047	-	-

Table 2-1. Historical and Projected Population by Water User Group/County

WUG/County	Historical		Projections ¹						Annual Percent Growth	
	2000	2010	2020	2030	2040	2050	2060	2070	2000- 2010	2010-2070
Southwest Milam WSC (P)	5,419	6,018	6,262	6,634	6,898	7,232	7,519	7,789	1.05%	0.46%
Thorndale	1,278	1,334	1,415	1,499	1,559	1,634	1,699	1,760	0.43%	0.46%
Milam County Total	23,851	24,242	26,234	27,793	28,896	30,300	31,501	32,629	0.16%	0.50%
Nolan County										
County-Other	1,893	1,838	1,074	1,135	1,175	1,220	1,257	1,286	-0.29%	0.40%
Roscoe	1,378	1,322	1,402	1,481	1,535	1,593	1,639	1,679	-0.41%	0.40%
Sweetwater	11,415	10,906	12,196	12,880	13,347	13,852	14,258	14,609	-0.46%	0.40%
The Bitter Creek WSC	-	-	1,462	1,543	1,600	1,660	1,709	1,751	-	-
Nolan County Total	14,686	14,066	16,134	17,039	17,657	18,325	18,863	19,325	-0.43%	0.53%
Palo Pinto County										
County-Other	9,512	10,527	3,021	3,185	3,284	3,334	3,310	3,224	1.02%	0.48%
Gordon	-	-	636	684	717	747	771	790	-	-
Lake Palo Pinto Area WSC	-	-	1,004	1,077	1,127	1,173	1,208	1,235	-	-
Mineral Wells (P)	14,770	14,644	15,820	16,978	17,760	18,483	19,034	19,470	-0.09%	0.49%
North Rural WSC	-	-	1,631	1,750	1,831	1,905	1,962	2,006	-	-
Palo Pinto WSC	-	-	864	928	971	1,010	1,040	1,064	-	-
Parker County SUD	-	-	60	80	102	128	158	193	-	-
Possum Kingdom WSC	1,414	1,668	1,946	2,088	2,185	2,273	2,341	2,394	1.67%	0.49%
Santo SUD (P)	-	-	2,028	2,208	2,330	2,470	2,614	2,768	-	-
Sportsmans World MUD	-	-	123	132	138	144	148	152	-	-
Stephens Regional SUD (P)	13	35	43	46	48	50	51	52	10.41%	0.49%
Strawn	739	653	753	808	845	879	906	926	-1.23%	0.49%
Sturdivant Progress WSC	-	-	2,606	2,807	2,942	3,079	3,196	3,305	-	-



Table 2-1. Historical and Projected Population by Water User Group/County

WUG/County	Historical		Projections ¹						Annual Percent Growth	
	2000	2010	2020	2030	2040	2050	2060	2070	2000- 2010	2010-2070
Palo Pinto County Total	26,448	27,527	30,535	32,771	34,280	35,675	36,739	37,579	0.40%	0.52%
Robertson County										
Bethany Hearne WSC	-	-	323	354	384	414	443	471	-	-
Bremond	876	929	989	1,085	1,174	1,266	1,355	1,442	0.59%	0.80%
Calvert	1,426	1,192	1,193	1,193	1,193	1,193	1,193	1,193	-1.78%	0.00%
County-Other	4,171	4,873	1,353	1,353	1,353	1,353	1,353	1,353	1.57%	0.72%
Franklin	1,470	1,564	1,851	2,031	2,357	2,735	3,175	3,684	0.62%	0.80%
Hearne	4,690	4,459	4,474	5,454	6,648	6,648	6,648	6,648	-0.50%	0.00%
Robertson County WSC	2,529	2,760	2,849	3,458	4,072	4,806	5,541	6,208	0.88%	0.80%
Twin Creek WSC	838	845	1,496	1,643	1,776	1,918	2,052	2,183	0.08%	0.80%
Wellborn SUD (P)	0	0	4,744	4,981	5,230	5,492	5,766	6,055	-	-
Wickson Creek SUD (P)	0	0	422	483	544	616	691	772	-	-
Robertson County Total	16,000	16,622	19,694	22,035	24,731	26,441	28,217	30,009	0.38%	0.99%
Shackelford County										
Albany	1,921	2,034	2,174	2,327	2,314	2,329	2,329	2,329	0.57%	0.32%
Callahan County WSC (P)	-	-	55	59	61	62	63	64	-	-
County-Other	1,368	1,331	247	158	145	127	116	107	-0.27%	-0.19%
Fort Griffin SUD (P)	-	-	635	654	657	660	663	665	-	-
Hamby WSC (P)	-	-	431	452	464	473	480	486	-	-
Stephens Regional SUD (P)	13	13	16	16	16	16	16	16	0.00%	0.12%
Shackelford County Total	3,302	3,378	3,558	3,666	3,657	3,667	3,667	3,667	0.23%	0.14%
Somervell County										
County-Other	4,687	6,046	5,289	5,909	6,355	6,700	6,995	7,227	2.58%	0.71%

Table 2-1. Historical and Projected Population by Water User Group/County

WUG/County	Historical		Projections ¹						Annual Percent Growth	
	2000	2010	2020	2030	2040	2050	2060	2070	2000- 2010	2010-2070
Glen Rose	2,122	2,444	2,836	3,169	3,409	3,593	3,750	3,876	1.42%	0.71%
Somervell County Water District	-	-	1,357	1,516	1,631	1,720	1,794	1,855	-	-
Somervell County Total	6,809	8,490	9,482	10,594	11,395	12,013	12,539	12,958	2.23%	0.71%
Stephens County										
Breckenridge	5,868	5,780	5,903	6,130	6,232	6,298	6,315	6,380	-0.15%	0.17%
County-Other	1,148	1,406	453	465	477	487	526	498	2.05%	0.17%
Fort Belknap WSC (P)	35	48	50	52	53	53	54	54	3.21%	0.20%
Fort Griffin SUD (P)	-	-	679	705	710	716	719	721	-	-
Possum Kingdom WSC (P)	141	73	80	83	84	85	85	86	-6.37%	0.15%
Staff WSC	-	-	415	425	426	426	426	426	-	-
Stephens Regional SUD (P)	2,482	2,323	2,347	2,433	2,473	2,498	2,516	2,528	-0.66%	0.18%
Stephens County Total	9,674	9,630	9,927	10,293	10,455	10,563	10,641	10,693	-0.05%	0.17%
Stonewall County										
Aspermont	1,021	919	925	927	927	927	927	927	-1.05%	0.02%
County-Other	672	571	576	577	577	577	577	577	-1.62%	0.01%
Stonewall County Total	1,693	1,490	1,501	1,504	1,504	1,504	1,504	1,504	-1.27%	0.02%
Taylor County										
Abilene (P)	110,438	111,918	117,339	122,766	127,252	130,807	133,461	135,479	0.13%	0.35%
Coleman County WSC (P)	140	95	153	160	166	171	174	177	-3.80%	0.36%
County-Other	4,019	5,345	5,769	6,034	6,263	6,445	6,582	6,680	2.89%	0.35%
Hamby WSC (P)	-	-	286	300	307	314	318	322	-	-
Hawley WSC (P)	677	484	624	660	686	707	725	740	-3.30%	0.35%
Lawn	-	-	645	674	699	719	733	744	-	-



Table 2-1. Historical and Projected Population by Water User Group/County

WUG/County	Historical		Projections ¹						Annual Percent Growth	
	2000	2010	2020	2030	2040	2050	2060	2070	2000- 2010	2010-2070
Merkel	2,637	2,590	3,024	3,163	3,279	3,370	3,439	3,491	-0.18%	0.35%
North Runnels WSC	-	-	326	339	342	344	346	348	-	-
Potosi WSC (P)	3,430	4,605	5,187	5,426	5,626	5,782	5,899	5,989	2.99%	0.35%
Steamboat Mountain WSC	3,342	4,485	4,410	4,615	4,784	4,916	5,016	5,092	2.99%	0.35%
Tye	1,158	1,242	1,319	1,380	1,430	1,471	1,500	1,522	0.70%	0.35%
View Caps WSC	-	-	1,593	1,666	1,727	1,776	1,811	1,839	-	-
Taylor County Total	125,841	130,764	140,675	147,183	152,561	156,822	160,004	162,423	0.38%	0.36%
Throckmorton County										
Baylor SUD (P)	-	-	15	15	15	15	16	16	-	-
County-Other	761	496	317	312	312	311	310	309	-4.19%	0.00%
Fort Belknap WSC (P)	105	179	185	185	185	185	185	185	5.48%	0.01%
Fort Griffin SUD (P)	-	-	128	133	133	134	134	135	-	-
Stephens Regional SUD (P)	79	138	155	155	155	155	155	155	5.74%	0.01%
Throckmorton	905	828	846	846	846	846	846	846	-0.89%	0.01%
Throckmorton County Total	1,850	1,641	1,646	1,646	1,646	1,646	1,646	1,646	-1.19%	0.01%
Washington County										
Brenham	13,507	15,716	18,423	20,048	21,155	22,256	23,111	23,810	1.53%	0.59%
Central Washington County WSC	-	-	1,990	2,116	2,203	2,289	2,356	2,412	-	-
Chappell Hill WSC	-	-	922	981	1,022	1,062	1,093	1,119	-	-
Corix Utilities Texas Inc. (P)	-	-	3,690	3,926	4,087	4,247	4,372	4,473	-	-
County-Other	16,866	18,002	10,687	10,890	11,010	11,124	11,199	11,240	0.65%	0.29%
West End WSC	-	-	487	555	618	686	753	826	-	-
Washington County Total	30,373	33,718	36,199	38,516	40,095	41,664	42,884	43,880	1.05%	0.44%

Table 2-1. Historical and Projected Population by Water User Group/County

WUG/County	Historical		Projections ¹						Annual Percent Growth	
	2000	2010	2020	2030	2040	2050	2060	2070	2000- 2010	2010-2070
Williamson County										
Bartlett (P)	857	933	1,047	1,119	1,207	1,303	1,411	1,523	0.85%	0.79%
Bell-Milam-Falls WSC (P)	274	214	289	363	455	554	666	783	-2.44%	2.40%
Block House MUD	4,452	6,175	6,419	6,419	6,419	6,419	6,419	6,419	3.33%	0.06%
Brushy Creek MUD	11,322	12,705	20,248	20,248	20,248	20,248	20,248	20,248	1.16%	0.69%
Cedar Park (P)	25,508	48,448	81,716	90,641	90,641	90,641	90,641	90,641	6.63%	0.83%
County-Other	12,960	39,689	39,226	25,684	60,702	93,158	200,315	295,818	11.84%	2.54%
Fern Bluff MUD	5,319	5,691	5,793	5,793	5,793	5,793	5,793	5,793	0.68%	0.07%
Florence	1,054	1,136	1,357	1,439	1,542	1,653	1,779	1,909	0.75%	0.72%
Georgetown	28,339	47,400	118,763	157,075	196,912	244,043	296,697	358,109	5.28%	2.40%
Granger	1,299	1,419	1,551	1,659	1,796	1,942	2,108	2,280	0.89%	0.81%
Hutto	1,250	14,698	17,326	35,646	37,963	56,194	83,181	101,202	27.95%	3.48%
Jarrell-Schwertner WSC (P)	2,720	2,216	4,786	5,838	7,118	8,499	10,044	11,656	-2.03%	2.40%
Jonah Water SUD	7,962	8,489	23,500	29,522	37,022	45,097	54,255	63,275	0.64%	2.40%
Leander	7,596	25,444	48,575	74,150	97,757	121,365	150,905	185,879	12.85%	4.16%
Liberty Hill	1,409	967	2,063	2,592	3,250	3,959	4,763	5,595	-3.69%	2.40%
Manville WSC (P)	5,273	6,093	12,107	14,528	17,434	20,920	25,105	30,126	1.46%	2.40%
Paloma Lake MUD 1	-	-	2,339	3,210	3,210	3,210	3,210	3,210	-	-
Paloma Lake MUD 2	-	-	2,058	2,469	2,469	2,469	2,469	2,469	-	-
Pflugerville	0	300	373	469	588	717	862	1,013	-	2.40%
Round Rock (P)	60,060	98,525	123,598	154,326	193,827	239,565	239,565	239,565	5.07%	2.40%
Sonterra MUD	-	-	5,895	6,195	6,495	6,795	7,095	7,395	-	-
Southwest Milam (P)	1,245	1,210	1,816	2,283	2,862	3,486	4,196	4,927	-0.28%	2.40%



Table 2-1. Historical and Projected Population by Water User Group/County

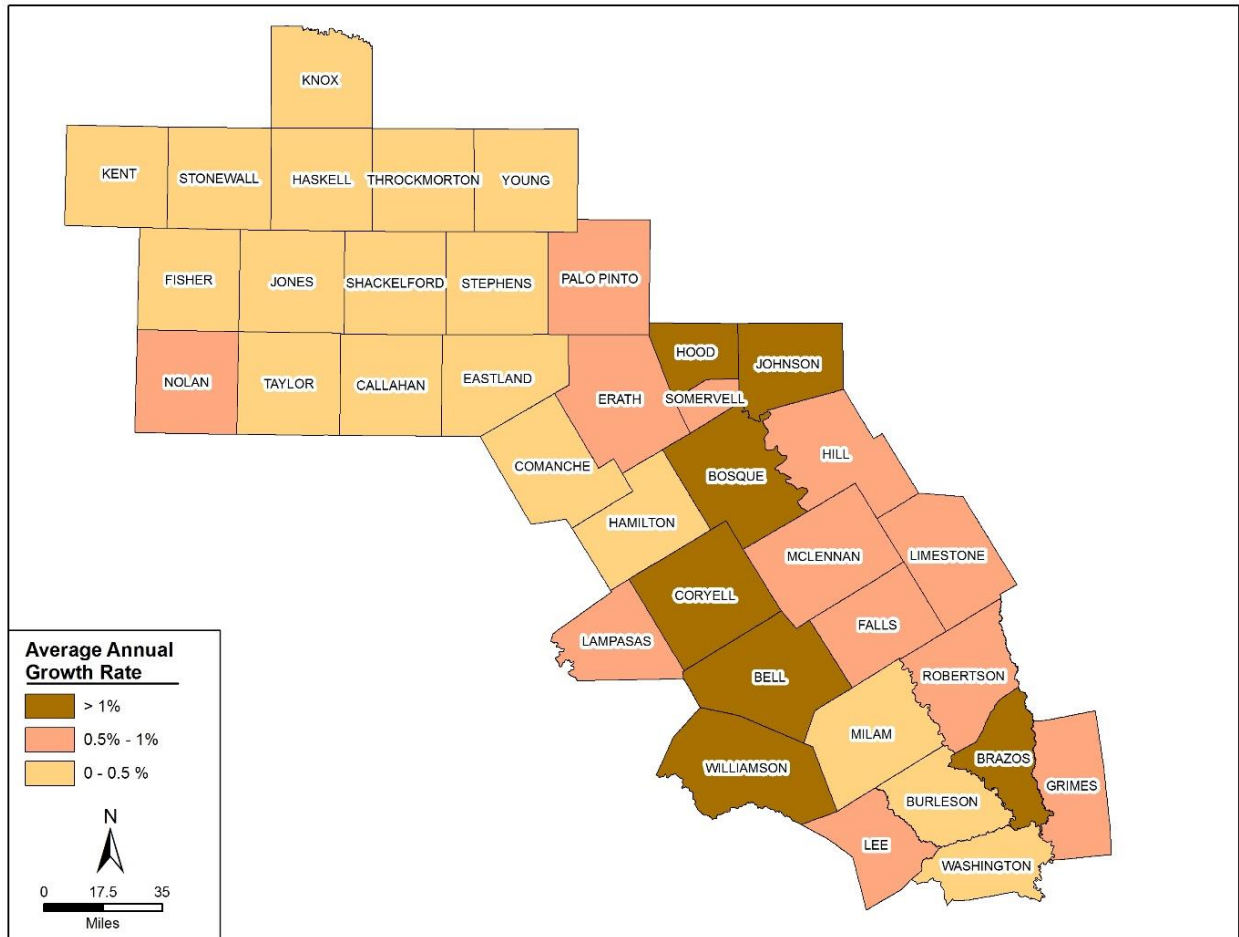
WUG/County	Historical		Projections ¹						Annual Percent Growth	
	2000	2010	2020	2030	2040	2050	2060	2070	2000- 2010	2010-2070
Taylor	13,575	15,191	17,233	18,728	20,589	22,594	24,868	27,220	1.13%	0.97%
Thorndale (P)	0	2	3	3	4	5	7	8	-	2.34%
Walsh Ranch MUD	-	-	714	714	714	714	714	714	-	-
Williamson County MUD 10	4	3,047	3,402	3,402	3,402	3,402	3,402	3,402	94.17%	2.40%
Williamson County MUD 11	65	1,872	4,074	4,084	4,094	4,104	4,114	4,124	39.94%	2.40%
Williamson County MUD 9	2,058	2,709	2,724	2,724	2,724	2,724	2,724	2,724	2.79%	2.40%
Williamson County WSID 3	-	-	6,828	7,128	7,428	7,728	8,028	8,328	-	-
Williamson-Travis County MUD 1 (P)	4,179	4,617	4,596	4,596	4,596	4,596	4,596	4,596	1.00%	-0.01%
Williamson County Total	198,780	349,190	560,419	683,047	839,261	1,023,897	1,260,180	1,490,951	5.66%	2.40%
Young County										
Baylor SUD (P)	-	-	123	125	126	128	128	129	-	-
County-Other	1,349	1,686	1,718	1,816	1,890	1,961	2,038	2,107	2.26%	0.40%
Fort Belknap WSC (P)	3,349	3,630	3,883	4,098	4,250	4,414	4,571	4,725	0.81%	0.40%
Graham	8,716	8,903	9,708	10,242	10,626	11,032	11,426	11,809	0.21%	0.40%
Young County Total	13,414	14,219	15,432	16,281	16,892	17,535	18,163	18,770	0.57%	0.40%
Brazos G Total	1,565,359	1,901,650	2,371,064	2,720,696	3,097,007	3,494,544	3,918,197	4,351,042	1.99%	1.33%

Notes:

¹ Projections from Texas Water Development Board

(P) Partial

Figure 2-2. Projected Annual County Growth Rates in the Brazos G Regional Water Planning Area



2.2.1 New Municipal WUGs

Multiple new water systems are identified as municipal WUGs for the 2021 Brazos G Plan based on the WUG definition being revised from the 2016 planning cycle. Those new WUGs and their respective counties are listed in Table 2-2.

Table 2-2. New Municipal Water User Groups

New Water User Group (WUG)	COUNTY
AXTELL WSC	MCLENNAN
BAYLOR SUD	KNOX, THROCKMORTON, YOUNG
BELL COUNTY WCID 2	BELL
BELL COUNTY WCID 3	BELL
BETHANY HEARNE WSC	ROBERTSON
BIROME WSC	HILL



Table 2-2. New Municipal Water User Groups

New Water User Group (WUG)	COUNTY
BIROME WSC	LIMESTONE
BIROME WSC	MCLENNAN
BISTONE MUNICIPAL WATER SUPPLY DISTRICT	LIMESTONE
BOLD SPRINGS WSC	HILL
BOLD SPRINGS WSC	MCLENNAN
CALLAHAN COUNTY WSC	CALLAHAN
CALLAHAN COUNTY WSC	SHACKELFORD
CEGO-DURANGO WSC	FALLS
CENTRAL BOSQUE WSC	MCLENNAN
CENTRAL TEXAS COLLEGE DISTRICT	BELL
CENTRAL TEXAS COLLEGE DISTRICT	CORYELL
CENTRAL WASHINGTON COUNTY WSC	WASHINGTON
CHAPPELL HILL WSC	WASHINGTON
CHATT WSC	HILL
CORIX UTILITIES TEXAS INC	LAMPASAS
CORIX UTILITIES TEXAS INC	WASHINGTON
DOUBLE DIAMOND UTILITIES	HILL
DOUBLE DIAMOND UTILITIES	JOHNSON
EAST CRAWFORD WSC	MCLENNAN
EOL WSC	MCLENNAN
EULA WSC	CALLAHAN
FLAT WSC	CORYELL
FORT GATES WSC	CORYELL
FORT GRIFFIN SUD	EASTLAND
FORT GRIFFIN SUD	SHACKELFORD
FORT GRIFFIN SUD	STEPHENS
FORT GRIFFIN SUD	THROCKMORTON
GORDON	PALO PINTO
H & H WSC	MCLENNAN
HAMBY WSC	CALLAHAN

Table 2-2. New Municipal Water User Groups

New Water User Group (WUG)	COUNTY
HAMBY WSC	JONES
HAMBY WSC	SHACKELFORD
HAMBY WSC	TAYLOR
HIGHLAND PARK WSC	BOSQUE
HIGHLAND PARK WSC	MCLENNAN
HILCO UNITED SERVICES	BOSQUE
HILCO UNITED SERVICES	HILL
HILLTOP WSC	MCLENNAN
LAKE PALO PINTO AREA WSC	PALO PINTO
LAWN	TAYLOR
LEROY TOURS GERALD WSC	MCLENNAN
LEVI WSC	MCLENNAN
LIPAN	HOOD
LITTLE ELM VALLEY WSC	BELL
LITTLE ELM VALLEY WSC	FALLS
MCLENNAN COUNTY WCID 2	MCLENNAN
MOUNTAIN WSC	CORYELL
MUSTANG VALLEY WSC	BOSQUE
MUSTANG VALLEY WSC	CORYELL
NORTH MILAM WSC	FALLS
NORTH MILAM WSC	MILAM
NORTH RUNNELS WSC	TAYLOR
NORTH RURAL WSC	PALO PINTO
OGLESBY	CORYELL
PALO PINTO WSC	PALO PINTO
PALOMA LAKE MUD 1	WILLIAMSON
PALOMA LAKE MUD 2	WILLIAMSON
PARKER COUNTY SUD	PALO PINTO
POINT ENTERPRISE WSC	LIMESTONE



Table 2-2. New Municipal Water User Groups

New Water User Group (WUG)	COUNTY
POST OAK SUD	HILL
POST OAK SUD	LIMESTONE
PRAIRIE HILL WSC	LIMESTONE
PRAIRIE HILL WSC	MCLENNAN
RED RIVER AUTHORITY OF TEXAS	KNOX
ROSS WSC	MCLENNAN
SALEM ELM RIDGE WSC	MILAM
SANTO SUD	HOOD
SANTO SUD	PALO PINTO
SLC WSC	LIMESTONE
SMITH BEND WSC	BOSQUE
SOMERVELL COUNTY WATER DISTRICT	SOMERVELL
SONTERRA MUD	WILLIAMSON
SPORTSMANS WORLD MUD	PALO PINTO
SPRING VALLEY WSC	MCLENNAN
STAFF WSC	EASTLAND
STAFF WSC	STEPHENS
STURDIVANT PROGRESS WSC	PALO PINTO
TDCJ LUTHER UNITS	GRIMES
TDCJ W PACK UNIT	GRIMES
TEXAS STATE TECHNICAL COLLEGE	MCLENNAN
THE GROVE WSC	BELL
THE GROVE WSC	CORYELL
TWIN CREEK WSC	ROBERTSON
VIEW CAPS WSC	TAYLOR
WALSH RANCH MUD	WILLIAMSON
WEST END WSC	WASHINGTON
WHITE ROCK WSC	LIMESTONE
WILLIAMSON COUNTY WSID 3	WILLIAMSON
WINDSOR WATER	MCLENNAN

2.2.2 Revisions to Population Projections

The TWDB and the Brazos G RWPG developed revisions to the draft population projections for specific municipal WUGs in the Brazos G Area for the 2021 Plan, based on coordination with multiple water systems in the planning area, as shown in Table 2-3.

Table 2-3. TWDB-Approved Revisions to the Draft 2021 Population Projections

Version	County	WUG	Draft and Revised (2016) Population Projection					
			2020	2030	2040	2050	2060	2070
Draft	BELL	BELL COUNTY WCID NO. 3	4,639	5,454	6,295	7,130	7,951	8,758
Revised	BELL	BELL COUNTY WCID NO. 3	7,403	10,072	13,930	16,468	18,362	20,216
Draft	BELL	GEORGETOWN	0	0	0	0	0	0
Revised	BELL	GEORGETOWN	2,967	3,488	4,027	4,562	5,086	5,602
Draft	BELL	COUNTY - OTHER	5,458	4,618	7,635	12,863	17,816	22,565
Revised	BELL	COUNTY - OTHER	2,694	2,971	3,248	3,525	7,405	11,107
Draft	BRAZOS	WELLBORN SUD	10,866	12,597	14,389	16,582	18,931	21,521
Revised	BRAZOS	WELLBORN SUD	16,864	25,740	29,094	32,870	37,074	41,402
Draft	BRAZOS	BRYAN	88,475	93,588	119,466	139,045	159,663	181,882
Revised	BRAZOS	BRYAN	84,196	99,959	118,714	140,827	167,176	211,266
Draft	BRAZOS	COLLEGE STATION	100,537	130,606	139,724	161,911	185,756	212,162
Revised	BRAZOS	COLLEGE STATION	100,854	129,102	165,261	195,852	195,852	195,852
Draft	BRAZOS	COUNTY - OTHER	4,723	2,909	2,687	3,541	4,793	6,625
Revised	BRAZOS	COUNTY - OTHER	2,687	2,687	2,687	2,687	2,687	2,687
Draft	JOHNSON	CLEBURNE	38,220	42,564	47,045	51,960	57,261	62,934
Revised	JOHNSON	CLEBURNE	38,220	42,564	51,236	60,121	70,546	78,919
Draft	JOHNSON	JOHNSON COUNTY SUD	39,437	45,811	52,381	59,562	67,296	75,558
Revised	JOHNSON	JOHNSON COUNTY SUD	42,033	45,973	51,300	56,628	61,955	67,282
Draft	JOHNSON	COUNTY - OTHER	11,470	10,919	11,145	9,624	9,334	9,209
Revised	JOHNSON	COUNTY - OTHER	8,874	10,757	8,035	4,397	1,390	1,500
Draft	HILL	JOHNSON COUNTY SUD	127	147	168	191	216	243
Revised	HILL	JOHNSON COUNTY SUD	135	148	165	182	199	216
Draft	HILL	COUNTY - OTHER	1,982	2,167	2,138	2,093	1,919	1,854
Revised	HILL	COUNTY - OTHER	1,974	2,166	2,141	2,102	1,936	1,881
Draft	ROBERTSON	FRANKLIN	1,851	2,031	2,199	2,373	2,539	2,699
Revised	ROBERTSON	FRANKLIN	1,851	2,031	2,357	2,735	3,175	3,684
Draft	ROBERTSON	HEARNE	4,474	4,474	4,474	4,474	4,474	4,474
Revised	ROBERTSON	HEARNE	4,474	5,454	6,648	6,648	6,648	6,648
Draft	ROBERTSON	ROBERTSON COUNTY WSC	2,957	3,245	3,510	3,789	4,054	4,311
Revised	ROBERTSON	ROBERTSON COUNTY WSC	2,849	3,458	4,072	4,806	5,541	6,208
Draft	ROBERTSON	WELLBORN SUD	3,300	3,635	3,983	4,407	4,864	5,366

Table 2-3. TWDB-Approved Revisions to the Draft 2021 Population Projections

Version	County	WUG	Draft and Revised (2016) Population Projection					
			2020	2030	2040	2050	2060	2070
Revised	ROBERTSON	WELLBORN SUD	4,744	4,981	5,230	5,492	5,766	6,055
Draft	ROBERTSON	COUNTY - OTHER	1,353	2,007	2,564	3,075	3,509	3,860
Revised	ROBERTSON	COUNTY - OTHER	1,353	1,353	1,353	1,353	1,353	1,353
Draft	WILLIAMSON	BRUSHY CREEK MUD	25,350	27,595	27,595	27,595	27,595	27,595
Revised	WILLIAMSON	BRUSHY CREEK MUD	20,248	20,248	20,248	20,248	20,248	20,248
Draft	WILLIAMSON	GEORGETOWN	78,297	98,358	123,342	150,248	180,757	212,304
Revised	WILLIAMSON	GEORGETOWN	118,763	157,075	196,912	244,043	296,697	358,109
Draft	WILLIAMSON	HUTTO	31,492	43,919	59,394	76,060	94,959	114,500
Revised	WILLIAMSON	HUTTO	17,326	35,646	37,963	56,194	83,181	101,202
Draft	WILLIAMSON	JARRELL-SCHWERTNER	4,106	5,049	6,202	7,436	8,810	10,224
Revised	WILLIAMSON	JARRELL-SCHWERTNER	4,786	5,838	7,118	8,499	10,044	11,656
Draft	WILLIAMSON	LEANDER	41,071	69,551	115,635	188,502	238,648	293,630
Revised	WILLIAMSON	LEANDER	48,575	74,150	97,757	121,365	150,905	185,879
Draft	WILLIAMSON	ROUND ROCK	157,819	198,258	248,614	302,845	364,345	427,932
Revised	WILLIAMSON	ROUND ROCK	123,598	154,326	193,827	239,565	239,565	239,565
Draft	WILLIAMSON	PALOMA LAKE MUD NO. 1	1,468	1,846	2,293	2,776	3,322	3,891
Revised	WILLIAMSON	PALOMA LAKE MUD NO. 1	2,339	3,210	3,210	3,210	3,210	3,210
Draft	WILLIAMSON	PALOMA LAKE MUD NO. 2	1,647	2,067	2,570	3,110	3,723	4,360
Revised	WILLIAMSON	PALOMA LAKE MUD NO. 2	2,058	2,469	2,469	2,469	2,469	2,469
Draft	WILLIAMSON	SONTERRA MUD	2,450	3,829	4,811	5,979	7,237	8,664
Revised	WILLIAMSON	SONTERRA MUD	5,895	6,195	6,495	6,795	7,095	7,395
Draft	WILLIAMSON	WALSH RANCH	1,073	1,348	1,676	2,028	2,428	2,844
Revised	WILLIAMSON	WALSH RANCH	714	714	714	714	714	714
Draft	WILLIAMSON	WILLIAMSON COUNTY MUD NO. 9	4,247	5,336	6,691	8,151	9,806	11,518
Revised	WILLIAMSON	WILLIAMSON COUNTY MUD NO. 9	2,724	2,724	2,724	2,724	2,724	2,724
Draft	WILLIAMSON	WILLIAMSON COUNTY MUD NO. 10	4,487	5,638	7,070	8,612	10,361	12,169
Revised	WILLIAMSON	WILLIAMSON COUNTY MUD NO. 10	3,402	3,402	3,402	3,402	3,402	3,402
Draft	WILLIAMSON	WILLIAMSON COUNTY MUD NO. 11	2,809	3,530	4,426	5,392	6,486	7,619
Revised	WILLIAMSON	WILLIAMSON COUNTY MUD NO. 11	4,074	4,084	4,094	4,104	4,114	4,124
Draft	WILLIAMSON	WILLIAMSON COUNTY WSID NO. 3	2,323	2,917	3,626	4,389	5,255	6,154
Revised	WILLIAMSON	WILLIAMSON COUNTY WSID NO. 3	6,828	7,128	7,428	7,728	8,028	8,328
Draft	WILLIAMSON	JONAH WATER SUD	15,254	19,163	24,031	29,273	35,217	41,364
Revised	WILLIAMSON	JONAH WATER SUD	23,500	29,522	37,022	45,097	54,255	63,275
Draft	WILLIAMSON	MANVILLE WSC	10,728	13,476	16,900	20,586	24,767	29,089
Revised	WILLIAMSON	MANVILLE WSC	12,107	14,528	17,434	20,920	25,105	30,126

Table 2-3. TWDB-Approved Revisions to the Draft 2021 Population Projections

Version	County	WUG	Draft and Revised (2016) Population Projection					
			2020	2030	2040	2050	2060	2070
Draft	WILLIAMSON	COUNTY - OTHER	28,684	37,315	52,198	44,899	69,190	91,040
Revised	WILLIAMSON	COUNTY - OTHER	39,226	25,684	60,702	93,158	200,315	295,818

2.3 Water Demand Projections

Water demand projections have been compiled for each type of consumptive water use (municipal, manufacturing, steam-electric, mining, irrigation, and livestock); projections for non-consumptive water uses, such as navigation, hydroelectric generation, environmental flows, and recreation, are not presented. Demands are totaled for those WUGs for which the primary planning area is Brazos G and for only the portion within Brazos G. As shown in Table 2-4, total water use for the area is projected to increase from 853,170 acft in 2010 to 1,408,066 acft in 2070, a 65 percent increase. The trend in total water use is shown in Figure 2-3. The six types of water use as percentages of total water use are shown for 2010 and 2070 in Figure 2-4. The projections indicate that municipal and steam-electric water use as percentages of the total water use will increase from 2010 to 2070, while irrigation, manufacturing, mining, and livestock water use are projected to decrease as percentages of the total.

2.3.1 Revisions to Municipal Demand Projections

The TWDB and the Brazos G RWPG developed revisions to municipal demand projections for specific municipal WUGs in the Brazos G Area for the 2021 Plan. Any WUG with a population revision detailed in Table 2-3 would result in a demand revision as well. TWDB requested that water use in the 2021 regional water plans be based on estimates for gpcd from the 2011 Water Use Surveys, unless evidence suggested that another year or set of years (averaged) would be more appropriate.

2.3.2 Municipal Water Demand

Municipal water use is defined as water that is used by households (e.g., drinking, bathing, food preparation, dishwashing, laundry, flushing toilets, lawn watering and landscaping, swimming pools), commercial establishments, (e.g., restaurants, car washes, hotels, laundromats, and office buildings) and for fire protection, public recreation and sanitation. This type of water must meet safe-drinking water standards as specified by federal and state laws and regulations.



Table 2-4. Brazos G Area Total Water Demand by Type of Use (acre-feet/year)

Water Use	Historical		Projections ¹					
	2000	2010	2020	2030	2040	2050	2060	2070
Municipal	311,291	326,414	401,393	449,056	502,943	561,736	626,523	694,285
Manufacturing	60,522	46,131	12,695	16,175	16,175	16,175	16,175	16,175
Steam-Electric	97,921	76,545	232,894	232,894	232,894	232,894	232,894	232,894
Mining	4,382	53,383	61,586	66,272	59,340	58,423	58,917	60,838
Irrigation	232,911	298,754	359,497	359,497	353,696	352,526	355,955	355,955
Livestock	53,222	51,943	47,939	47,939	47,939	47,939	47,939	47,939
Brazos G Total	760,249	853,170	1,116,004	1,171,833	1,212,987	1,269,693	1,338,403	1,408,086

¹ Projections from Texas Water Development Board
 acft/yr = acre-feet per year

Figure 2-3. Projected Total Water Demand

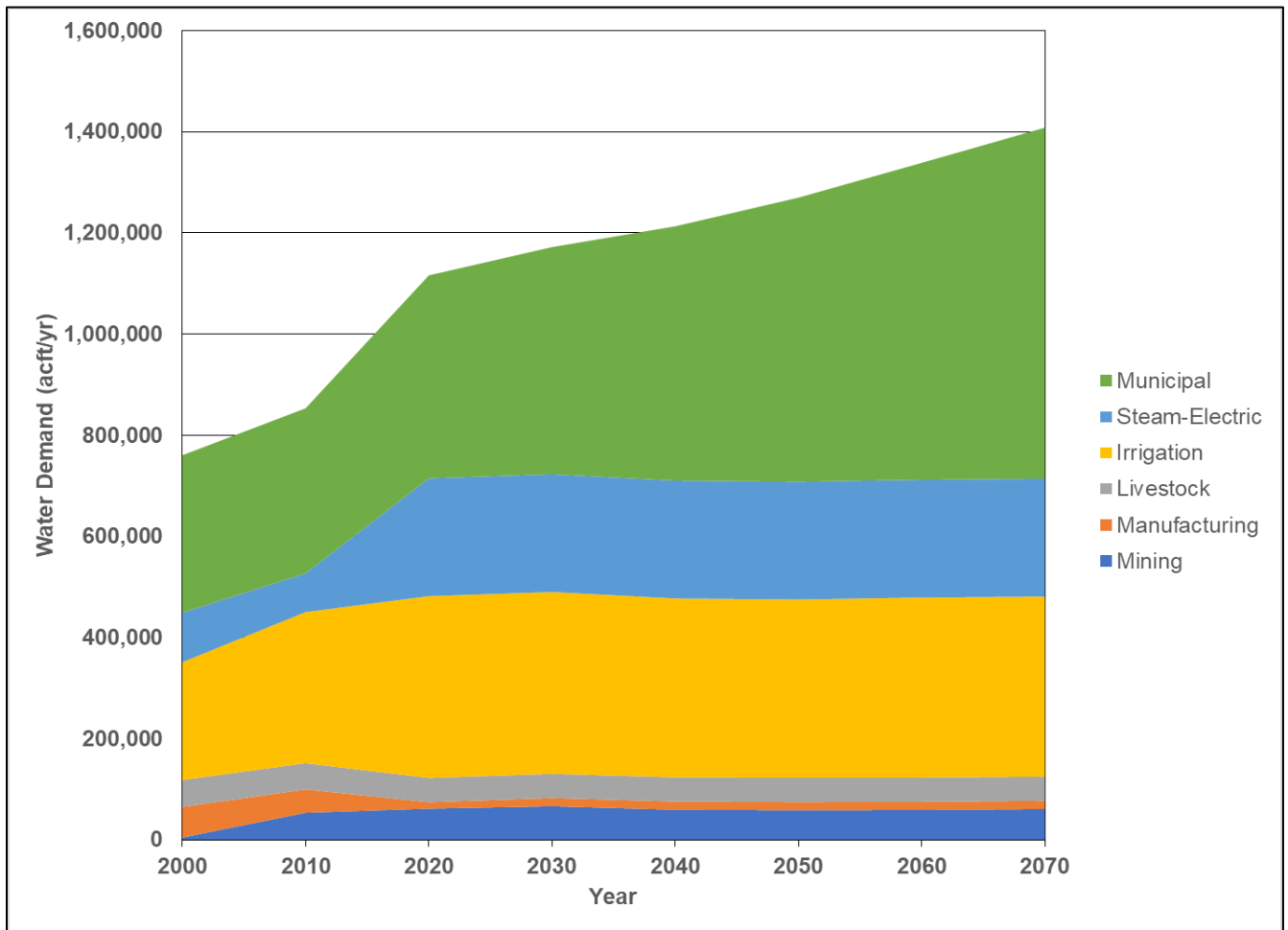
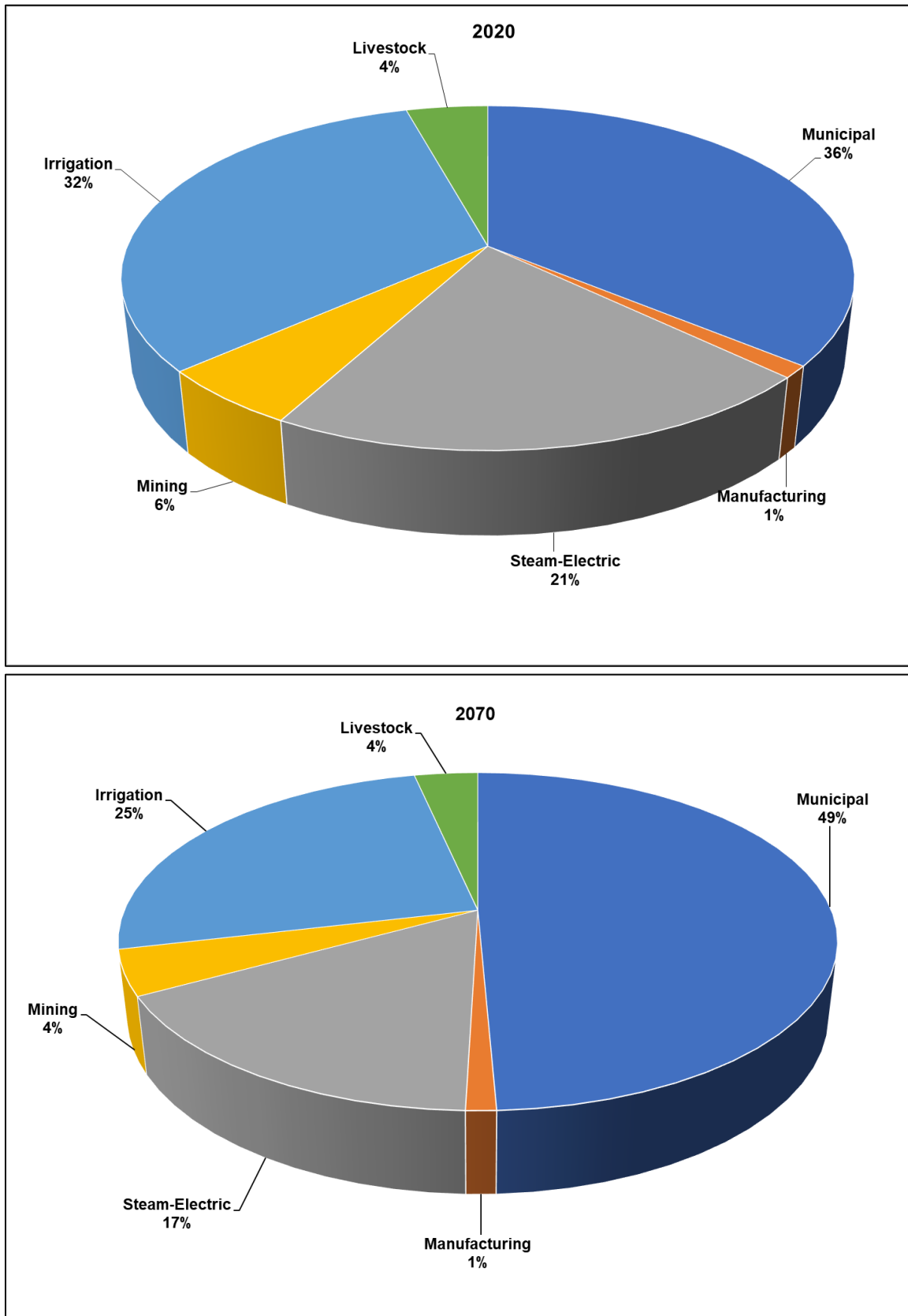


Figure 2-4. Total Water Demand by Type of Use in 2020 and 2070



Municipal water demand projections are computed by multiplying the projected population of an entity by the entity's projected per capita water use, adjusted downward for expected conservation savings due primarily to continued implementation of the 1991 State Water-Efficient Plumbing Act. Full implementation of the Act – retrofit of all existing fixtures with water-efficient fixtures and water-efficient fixtures installed in all new construction – was assumed to occur by Year 2045.

Table 2-5 presents projected per capita water use for water user groups in the Brazos G Area. These per capita water use rates reflect reductions due to implementation of the 1991 State Water-Efficient Plumbing Act. These reductions vary depending on the rural/urban nature of each WUG and projected growth, which typically range from 0 to 20 gpcd. However, in some cases revisions in gpcd were made to make the value consistent with similar WUGs. As a result, individual WUGs may have reductions well outside this typical range. Per capita water use varies widely in the Brazos G Area and generally ranges between 60 gpcd to 487 gpcd. Two WUGs within the region have per capita water use in excess of 800 gpcd. The base year (2011) average gpcd for Brazos G was 154 gpcd and the median is 137 gpcd. Lower per capita water uses are typically associated with smaller, rural water utilities where outside water use for lawns or landscaping is limited or is supplemented with individual residential wells and/or stock tanks. Larger per capita water use is typically associated with areas having large suburban residential growth or established urban areas having significant commercial water use, or locations with high seasonal use but smaller year-round population (e.g., Texas A&M University). The Conservation Task Force formed by the 78th Texas Legislature recommended a statewide target per capita water use of 140 gpcd.¹

Annual municipal water demand for the area is projected to increase by 301,305 acre-feet (acft) between 2020 and 2070, from 406,477 acft to 707,782 acft, a 74 percent increase. As can be seen in Figure 2-5, seven counties - Bell, Brazos, Coryell, Johnson, McLennan, Taylor, and Williamson - are projected to account for 86 percent of the total municipal water demand in 2070. Municipal water demand projections for all WUGs, with county totals, are presented in Table 2-6.

The 74 percent projected increase in municipal water demand over the 2020–2070 planning horizon is less than the projected population increase of 84 percent due to expected savings in per capita water use resulting from continued implementation of the 1991 State Water-Efficient Plumbing Fixtures Act.

¹ Water Conservation Implementation Task Force, Report to the 79th Texas Legislature, Texas Water Development Board, Special Report, Austin, Texas, November 2004.

Table 2-5. Per Capita Water Use for Water User Groups in the Brazos G Regional Water Planning Area (gallons per capita daily)

Water User Group	Per Capita Use Rates (GPCD)							Reduction due to Plumbing Fixtures Act (2020 to 2070)
	Base (2011)	2020	2030	2040	2050	2060	2070	
439 WSC	133	123	120	118	117	117	117	6
ABILENE	172	162	158	155	153	153	153	9
ACTON MUD	139	130	125	123	123	122	122	7
ALBANY	258	248	244	241	240	239	239	9
ALVARADO	105	95	91	89	88	87	87	8
ANSON	137	127	123	119	118	118	118	9
AQUA WSC	156	147	143	141	140	140	140	7
ARMSTRONG WSC	168	158	154	151	149	149	149	9
ASPERMONT	250	240	236	232	232	231	231	9
AXTELL WSC	117	108	103	101	99	99	99	8
BAIRD	153	143	139	135	134	134	134	9
BARTLETT	181	171	166	163	162	161	161	9
BAYLOR SUD	206	197	194	187	184	183	182	15
BELL COUNTY WCID 2	131	122	118	116	115	114	114	7
BELL COUNTY WCID 3	155	146	142	139	138	138	138	8
BELL MILAM FALLS WSC	142	133	130	127	126	126	126	8
BELLMEAD	115	106	102	99	98	97	97	9
BELTON	165	156	152	150	149	148	148	7
BETHANY HEARNE WSC	127	119	113	112	110	109	110	9
BETHANY WSC	93	84	80	77	76	76	76	8
BETHESDA WSC	197	187	183	181	179	179	179	8
BIROME WSC	135	125	121	120	118	117	118	7
BISTONE MUNICIPAL WATER SUPPLY DISTRICT	364	355	350	347	346	345	346	9
BLOCK HOUSE MUD	126	118	115	114	113	113	113	5
BOLD SPRINGS WSC	135	126	122	120	119	118	118	8
BRANDON IRENE WSC	128	118	113	110	109	109	109	9
BRECKENRIDGE	161	152	147	144	142	142	142	10
BREMOND	174	163	159	156	155	155	155	9
BRENHAM	219	210	206	203	202	202	202	8
BRUCEVILLE EDDY	174	165	161	158	156	156	156	9
BRUSHY CREEK MUD	146	136	133	132	131	130	130	6

Table 2-5. Per Capita Water Use for Water User Groups in the Brazos G Regional Water Planning Area (gallons per capita daily)

Water User Group	Per Capita Use Rates (GPCD)							Reduction due to Plumbing Fixtures Act (2020 to 2070)
	Base (2011)	2020	2030	2040	2050	2060	2070	
BRYAN	168	158	155	152	151	151	151	8
BURLESON	143	135	132	130	129	129	129	6
CALDWELL	197	187	184	181	180	180	180	7
CALLAHAN COUNTY WSC	86	76	72	69	68	68	68	9
CALVERT	152	142	137	135	135	134	134	8
CAMERON	216	206	202	198	197	197	197	10
CEDAR PARK	193	184	183	182	182	182	182	3
CEGO-DURANGO WSC	159	149	145	142	141	141	141	8
CENTRAL BOSQUE WSC	143	133	130	127	126	126	126	8
CENTRAL TEXAS COLLEGE DISTRICT	160	151	147	144	143	143	143	8
CENTRAL WASHINGTON COUNTY WSC	123	114	111	109	107	107	107	7
CHALK BLUFF WSC	99	90	87	84	82	82	82	8
CHAPPELL HILL WSC	146	137	134	131	130	130	130	6
CHATT WSC	127	117	113	111	110	110	109	8
CHILDRESS CREEK WSC	147	138	134	131	130	130	130	8
CISCO	168	158	154	151	149	149	149	10
CLEBURNE	172	163	159	156	155	155	155	8
CLIFTON	173	163	158	155	154	154	154	9
CLYDE	82	73	69	66	64	64	64	9
COLEMAN COUNTY SUD	120	111	107	103	101	101	100	11
COLLEGE STATION	155	146	142	140	139	138	138	7
COMANCHE	113	103	99	96	94	94	94	10
COOLIDGE	156	146	143	140	139	139	139	7
COPPERAS COVE	116	106	102	99	98	98	98	8
CORIX UTILITIES TEXAS INC	149	140	136	134	133	132	132	7
CORYELL CITY WATER SUPPLY DISTRICT	154	146	143	141	140	140	140	6
COUNTY-OTHER, BELL	162	150	145	144	144	144	143	7
COUNTY-OTHER, BOSQUE	132	124	121	119	118	118	118	6
COUNTY-OTHER, BRAZOS	142	131	130	130	129	128	128	3
COUNTY-OTHER, BURLESON	114	103	97	97	97	96	96	6
COUNTY-OTHER, CALLAHAN	80	71	67	64	63	62	62	8

Table 2-5. Per Capita Water Use for Water User Groups in the Brazos G Regional Water Planning Area (gallons per capita daily)

Water User Group	Per Capita Use Rates (GPCD)							Reduction due to Plumbing Fixtures Act (2020 to 2070)
	Base (2011)	2020	2030	2040	2050	2060	2070	
COUNTY-OTHER, COMANCHE	103	94	89	86	84	84	84	9
COUNTY-OTHER, CORYELL	114	105	103	103	102	102	102	3
COUNTY-OTHER, EASTLAND	90	81	76	73	72	71	71	9
COUNTY-OTHER, ERATH	134	125	121	119	118	117	117	8
COUNTY-OTHER, FALLS	123	113	109	105	104	104	104	9
COUNTY-OTHER, FISHER	113	104	99	95	95	94	94	10
COUNTY-OTHER, GRIMES	136	126	122	118	117	117	117	9
COUNTY-OTHER, HAMILTON	121	111	107	103	103	102	102	9
COUNTY-OTHER, HASKELL	129	119	114	112	111	111	111	8
COUNTY-OTHER, HILL	106	99	98	96	96	95	95	4
COUNTY-OTHER, HOOD	102	93	88	88	88	87	87	6
COUNTY-OTHER, JOHNSON	103	95	92	90	89	89	89	6
COUNTY-OTHER, JONES	119	112	110	108	107	107	107	5
COUNTY-OTHER, KENT	118	108	100	100	100	100	100	8
COUNTY-OTHER, KNOX	102	92	87	84	84	84	84	8
COUNTY-OTHER, LAMPASAS	131	120	119	118	117	117	117	3
COUNTY-OTHER, LEE	104	92	88	86	87	86	86	6
COUNTY-OTHER, LIMESTONE	94	85	81	78	76	76	76	9
COUNTY-OTHER, MCLENNAN	123	114	110	107	105	105	105	9
COUNTY-OTHER, MILAM	122	110	108	107	108	107	107	3
COUNTY-OTHER, NOLAN	114	105	100	97	95	95	95	10
COUNTY-OTHER, PALO PINTO	93	83	78	75	74	74	74	9
COUNTY-OTHER, ROBERTSON	111	100	96	96	95	95	95	5
COUNTY-OTHER, SHACKELFORD	99	90	85	80	77	77	83	7
COUNTY-OTHER, SOMERVELL	117	109	105	103	102	102	102	7
COUNTY-OTHER, STEPHENS	105	97	92	90	88	87	88	9
COUNTY-OTHER, STONEWALL	116	105	101	99	99	99	99	6
COUNTY-OTHER, TAYLOR	113	103	99	95	95	95	95	8
COUNTY-OTHER, THROCKMORTON	96	84	80	80	80	81	78	6
COUNTY-OTHER, WASHINGTON	124	115	111	108	106	106	106	9
COUNTY-OTHER, WILLIAMSON	148	139	135	134	133	133	133	6

Table 2-5. Per Capita Water Use for Water User Groups in the Brazos G Regional Water Planning Area (gallons per capita daily)

Water User Group	Per Capita Use Rates (GPCD)							Reduction due to Plumbing Fixtures Act (2020 to 2070)
	Base (2011)	2020	2030	2040	2050	2060	2070	
COUNTY-OTHER, YOUNG	119	108	104	102	101	101	101	8
CRAWFORD	191	182	178	174	173	172	172	10
CROSS COUNTRY WSC	158	150	146	144	142	142	142	8
CROSS PLAINS	162	152	147	144	143	143	143	9
CROWLEY	141	132	130	128	126	126	125	7
DE LEON	95	85	81	78	76	76	76	9
DEANVILLE WSC	121	115	114	114	114	114	114	1
DOBBIN PLANTERSVILLE WSC	76	69	67	66	65	65	65	4
DOG RIDGE WSC	135	124	120	117	115	115	115	9
DOUBLE DIAMOND UTILITIES	215	206	202	199	198	198	198	8
DUBLIN	94	84	79	76	75	75	75	9
EAST BELL WSC	118	108	104	102	101	101	101	8
EAST CRAWFORD WSC	312	303	299	296	295	295	295	8
EASTLAND	150	141	137	133	132	131	131	9
ELM CREEK WSC	104	95	92	91	89	89	89	6
EOL WSC	118	109	105	102	101	101	101	8
EULA WSC	60	60	60	60	60	60	60	0
FERN BLUFF MUD	190	183	181	180	179	179	179	4
FILES VALLEY WSC	146	137	133	130	129	129	129	8
FLAT WSC	201	191	189	186	185	184	185	7
FLORENCE	95	86	82	79	78	77	78	8
FORT BELKNAP WSC	107	99	96	93	92	92	92	7
FORT GATES WSC	187	177	174	172	171	170	170	7
FORT GRIFFIN SUD	144	134	130	127	126	125	125	9
FORT HOOD	215	204	200	197	197	197	196	8
FORT WORTH	185	-	-	-	170	170	169	0
FRANKLIN	142	132	128	125	124	123	123	9
G & W WSC	112	103	101	99	99	99	99	5
GATESVILLE	229	220	216	213	212	212	212	8
GEORGETOWN	205	196	194	193	192	192	192	4
GHOLSON WSC	127	118	114	111	110	110	110	8

Table 2-5. Per Capita Water Use for Water User Groups in the Brazos G Regional Water Planning Area (gallons per capita daily)

Water User Group	Per Capita Use Rates (GPCD)							Reduction due to Plumbing Fixtures Act (2020 to 2070)
	Base (2011)	2020	2030	2040	2050	2060	2070	
GIDDINGS	188	178	174	171	170	170	170	8
GLEN ROSE	200	190	187	184	183	183	182	8
GODLEY	99	90	87	85	84	84	84	6
GORDON	206	197	193	190	189	189	189	8
GORMAN	88	78	73	70	70	69	69	8
GRAHAM	266	256	252	249	247	247	247	10
GRANBURY	115	106	103	101	100	100	100	6
GRANDVIEW	102	93	89	86	85	84	84	8
GRANGER	130	120	117	114	112	112	112	8
GROESBECK	149	140	137	134	132	132	132	8
H & H WSC	113	104	100	98	97	96	96	8
HAMBY WSC	116	107	103	101	100	99	99	8
HAMILTON	162	153	149	146	144	143	143	10
HAMLIN	178	168	163	160	160	159	159	8
HARKER HEIGHTS	182	174	170	169	168	167	167	6
HASKELL	148	139	135	131	130	129	129	10
HAWLEY WSC	78	69	65	62	61	60	60	8
HEARNE	161	151	147	143	143	142	142	9
HEWITT	165	156	152	149	148	148	148	8
HICO	125	116	112	109	107	106	106	10
HIGHLAND PARK WSC	264	253	250	248	247	246	245	8
HILCO UNITED SERVICES	134	125	121	118	117	117	117	8
HILL COUNTY WSC	128	121	118	117	116	116	116	5
HILLSBORO	200	190	186	183	182	182	182	9
HILLTOP WSC	116	107	103	101	99	99	99	8
HOLLAND	97	88	84	80	78	78	78	10
HUBBARD	98	88	83	80	79	79	79	9
HUTTO	113	107	105	105	105	105	105	2
ITASCA	88	79	74	71	70	70	69	9
JARRELL-SCHWERTNER	133	121	117	115	114	114	114	7
JAYTON	164	154	151	147	145	145	145	9

Table 2-5. Per Capita Water Use for Water User Groups in the Brazos G Regional Water Planning Area (gallons per capita daily)

Water User Group	Per Capita Use Rates (GPCD)							Reduction due to Plumbing Fixtures Act (2020 to 2070)
	Base (2011)	2020	2030	2040	2050	2060	2070	
JOHNSON COUNTY SUD	124	115	111	109	108	108	108	7
JONAH WATER SUD	137	126	123	121	120	120	120	6
KEENE	70	61	60	60	60	60	60	1
KEMPNER WSC	164	156	153	151	150	150	150	6
KILLEEN	122	113	110	108	107	107	107	6
KNOX CITY	195	184	179	177	178	177	177	7
LACY LAKEVIEW	106	97	94	92	91	90	90	7
LAKE PALO PINTO AREA WSC	103	94	90	88	87	86	86	8
LAMPASAS	154	144	139	136	135	135	134	9
LAWN	186	177	174	170	169	168	168	9
LEANDER	128	121	119	118	118	118	118	3
LEE COUNTY WSC	122	113	110	108	107	107	107	7
LEROY TOURS GERALD WSC	100	91	87	84	83	82	82	8
LEVI WSC	114	105	101	98	97	97	97	8
LEXINGTON	169	159	155	152	151	151	151	8
LIBERTY HILL	106	95	92	90	90	90	89	6
LIPAN	118	109	106	104	103	103	103	6
LITTLE ELM VALLEY WSC	171	161	158	156	154	154	154	7
LORENA	154	145	141	139	137	137	137	8
MANSFIELD	252	245	242	241	240	240	240	5
MANVILLE WSC	148	139	136	135	134	134	134	5
MARLIN	254	244	239	236	235	235	235	9
MART	142	132	128	125	124	123	123	9
MCGREGOR	146	137	132	129	128	127	127	9
MCLENNAN COUNTY WCID 2	147	138	134	132	130	130	130	8
MERIDIAN	129	119	114	112	110	110	110	9
MERKEL	120	110	106	103	101	101	101	9
MEXIA	70	60	60	60	60	60	60	0
MILANO WSC	110	101	98	95	94	94	94	8
MINERAL WELLS	155	146	142	139	137	137	137	9
MOFFAT WSC	113	104	101	98	96	96	96	8

Table 2-5. Per Capita Water Use for Water User Groups in the Brazos G Regional Water Planning Area (gallons per capita daily)

Water User Group	Per Capita Use Rates (GPCD)							Reduction due to Plumbing Fixtures Act (2020 to 2070)
	Base (2011)	2020	2030	2040	2050	2060	2070	
MOODY	124	114	110	107	105	104	104	10
MORGANS POINT RESORT	111	102	99	98	97	97	97	6
MOUNTAIN PEAK SUD	290	280	276	275	274	274	273	7
MOUNTAIN WSC	149	140	136	134	133	133	133	7
MULTI COUNTY WSC	95	86	83	80	79	79	79	7
MUNDAY	180	170	165	162	162	162	162	9
MUSTANG VALLEY WSC	206	197	193	191	189	189	189	8
NAVASOTA	184	175	171	168	166	166	166	9
NORTH BOSQUE WSC	235	227	224	222	221	221	221	6
NORTH MILAM WSC	167	158	154	151	149	149	149	8
NORTH RUNNELS WSC	104	93	90	86	86	85	85	8
NORTH RURAL WSC	96	87	83	80	79	79	79	8
OGLESBY	83	73	71	68	67	67	67	7
PALO PINTO WSC	128	119	115	113	111	111	111	8
PALOMA LAKE MUD 1	125	116	114	112	111	111	111	5
PALOMA LAKE MUD 2	115	106	104	102	101	101	101	5
PARKER COUNTY SUD	103	89	89	88	91	90	88	1
PARKER WSC	104	95	91	89	89	88	88	7
PENDLETON WSC	116	106	101	100	99	99	99	7
PFLUGERVILLE	155	148	147	146	146	145	145	3
POINT ENTERPRISE WSC	107	97	94	91	89	89	89	8
POSSUM KINGDOM WSC	392	382	379	376	375	375	374	8
POST OAK SUD	76	66	62	69	69	69	69	-3
POTOSI WSC	146	138	135	133	131	131	131	7
PRAIRIE HILL WSC	157	148	144	141	139	139	139	9
RANGER	171	161	157	153	153	152	152	9
RED RIVER AUTHORITY OF TEXAS	229	217	216	214	209	209	208	10
RIESEL	126	117	113	110	109	108	108	9
RIO VISTA	133	123	120	118	117	116	116	7
RISING STAR	112	102	98	95	94	93	93	9
ROBERTSON COUNTY WSC	142	133	129	127	125	125	125	8

Table 2-5. Per Capita Water Use for Water User Groups in the Brazos G Regional Water Planning Area (gallons per capita daily)

Water User Group	Per Capita Use Rates (GPCD)							Reduction due to Plumbing Fixtures Act (2020 to 2070)
	Base (2011)	2020	2030	2040	2050	2060	2070	
ROBINSON	181	172	168	166	165	165	165	7
ROBY	175	166	162	160	157	157	157	9
ROCKDALE	184	174	170	167	165	165	165	9
ROGERS	127	118	113	111	109	109	108	9
ROSCOE	137	127	122	119	118	118	118	9
ROSEBUD	111	101	96	93	93	92	92	9
ROSS WSC	135	126	122	119	118	118	118	8
ROTAN	114	104	99	96	96	96	96	8
ROUND ROCK	152	143	141	139	139	139	138	5
SALADO WSC	292	282	279	277	276	276	276	7
SALEM ELM RIDGE WSC	148	139	135	132	130	131	130	8
SANTO SUD	121	112	108	105	104	104	104	8
SLC WSC	87	78	74	71	69	69	69	9
SMITH BEND WSC	127	118	114	112	110	110	110	8
SNOOK	307	297	293	289	288	288	287	10
SOMERVELL COUNTY WATER DISTRICT	120	111	107	104	103	103	103	8
SOMERVILLE	170	159	155	152	152	152	151	8
SONTERRA MUD	76	67	65	63	62	62	62	5
SOUTHWEST MILAM WSC	152	143	139	137	136	135	135	8
SPORTSMANS WORLD MUD	898	885	886	880	880	881	881	4
SPRING VALLEY WSC	132	122	119	116	115	114	114	8
STAFF WSC	99	90	86	82	81	80	80	10
STAMFORD	237	227	222	219	218	218	218	9
STEAMBOAT MOUNTAIN WSC	84	76	73	71	70	70	70	6
STEPHENS REGIONAL SUD	107	98	93	91	88	88	88	10
STEPHENVILLE	134	125	121	118	117	116	116	8
STRAWN	182	172	168	165	162	163	163	9
STURDIVANT PROGRESS WSC	91	82	79	76	75	74	74	8
SWEETWATER	153	143	138	135	134	134	134	9
TAYLOR	157	147	143	141	139	139	139	8
TDCJ LUTHER UNITS	183	175	172	171	170	170	170	5

Table 2-5. Per Capita Water Use for Water User Groups in the Brazos G Regional Water Planning Area (gallons per capita daily)

Water User Group	Per Capita Use Rates (GPCD)							Reduction due to Plumbing Fixtures Act (2020 to 2070)
	Base (2011)	2020	2030	2040	2050	2060	2070	
TDCJ W PACK UNIT	218	210	208	206	205	205	205	5
TEMPLE	229	219	216	214	212	212	212	7
TEXAS A&M UNIVERSITY	487	476	472	469	468	468	468	8
TEXAS STATE TECHNICAL COLLEGE	1,378	1,369	1,365	1,362	1,361	1,360	1,360	9
THE BITTER CREEK WSC	128	118	114	110	110	109	109	9
THE GROVE WSC	139	130	126	123	123	122	123	7
THORNDALE	125	115	112	109	107	107	107	8
THROCKMORTON	205	195	191	187	187	187	187	8
TOLAR	134	124	120	119	118	117	117	7
TRI COUNTY SUD	119	109	105	102	101	101	100	9
TROY	90	81	77	74	72	72	72	8
TWIN CREEK WSC	167	158	154	152	151	150	150	8
TYE	134	125	120	117	116	116	116	9
VALLEY MILLS	184	174	170	167	166	165	165	8
VENUS	174	167	165	163	163	162	162	4
VIEW CAPS WSC	118	109	106	103	102	101	101	8
WACO	220	211	207	204	202	202	202	9
WALSH RANCH MUD	257	249	245	244	244	243	243	6
WELLBORN SUD	170	160	157	155	154	154	154	6
WEST	160	151	147	144	142	141	141	9
WEST BELL COUNTY WSC	149	138	133	131	131	130	130	8
WEST BRAZOS WSC	138	128	123	120	120	119	119	8
WEST END WSC	107	97	93	90	88	88	89	9
WHITE ROCK WSC	101	92	88	85	84	83	83	8
WHITNEY	180	171	167	165	163	163	163	8
WICKSON CREEK SUD	99	91	88	86	85	85	85	6
WILLIAMSON COUNTY MUD 10	196	191	189	189	189	189	188	2
WILLIAMSON COUNTY MUD 11	185	180	178	178	178	177	177	2
WILLIAMSON COUNTY MUD 9	188	180	177	176	176	176	176	4
WILLIAMSON COUNTY WSID 3	126	117	115	113	112	112	112	5
WILLIAMSON TRAVIS COUNTIES MUD 1	126	116	113	112	111	111	111	5



Table 2-5. Per Capita Water Use for Water User Groups in the Brazos G Regional Water Planning Area (gallons per capita daily)

Water User Group	Per Capita Use Rates (GPCD)							Reduction due to Plumbing Fixtures Act (2020 to 2070)
	Base (2011)	2020	2030	2040	2050	2060	2070	
WINDSOR WATER	156	146	143	139	138	138	138	8
WOODROW OSCEOLA WSC	92	82	77	74	74	73	74	8
WOODWAY	352	342	337	334	333	333	333	9
Minimum		60	60	60	60	60	60	-3
Maximum		1,369	1,365	1,362	1,361	1,360	1,360	15
Mean		145	141	139	138	138	138	7.4

Figure 2-5. Municipal Water Demand Projections

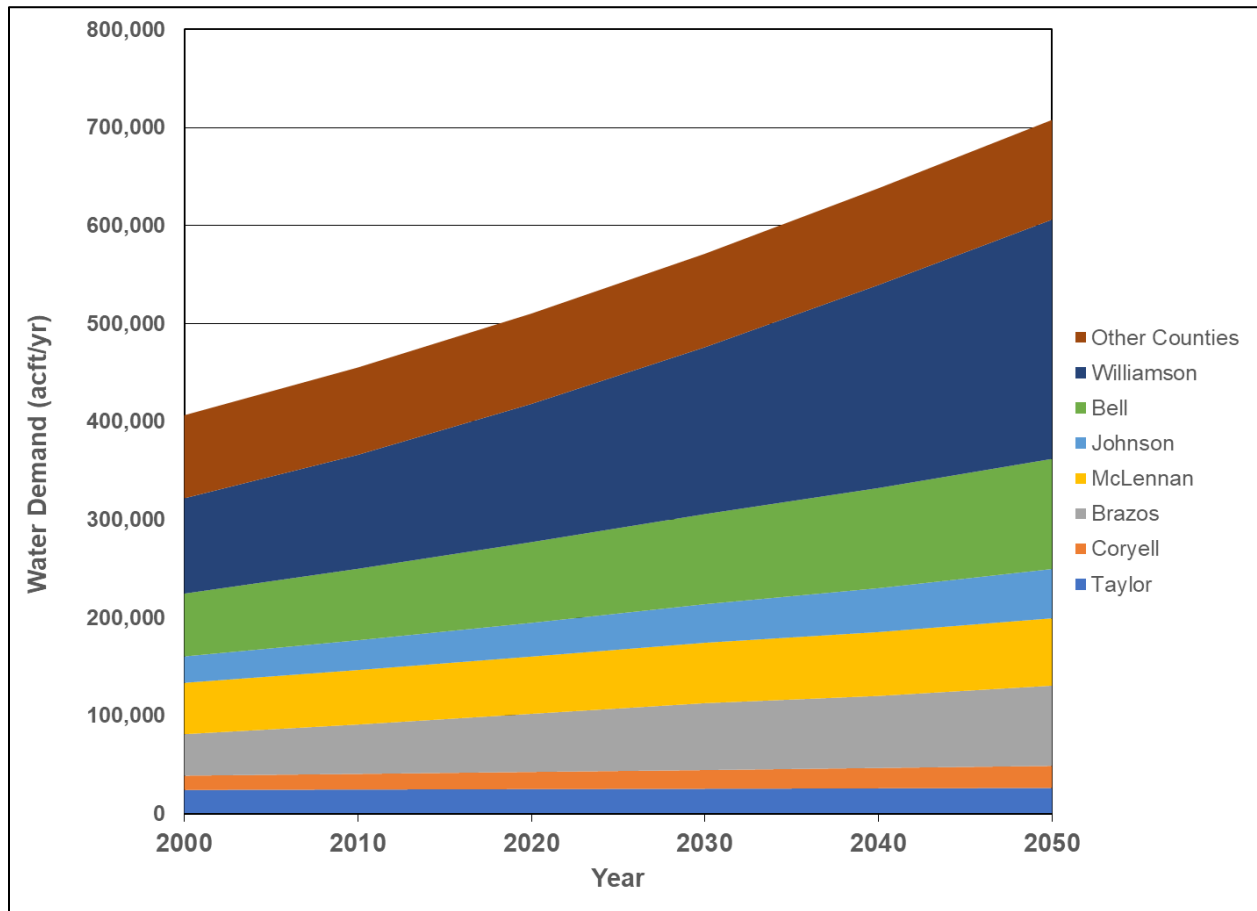


Table 2-6. Projected Municipal Water Demand by WUG/County in the Brazos G Area (acre-feet/year)

WUG/County	Projections ^{1, 2}					
	2020	2030	2040	2050	2060	2070
Bell County						
439 WSC	1,407	1,656	1,917	2,191	2,483	2,785
Armstrong WSC	464	486	507	530	558	586
Bartlett (P)	158	181	205	230	256	282
Bell County WCID 2	305	335	367	402	438	474
Bell County WCID 3	1,207	1,601	2,176	2,552	2,840	3,125
Bell-Milam-Falls WSC (P)	337	354	371	389	410	432
Belton	3,791	4,353	4,951	5,568	6,198	6,824
Central Texas College District	12	12	11	11	11	11
County-Other	453	483	523	567	1,191	1,785
Dog Ridge WSC	724	821	924	1,036	1,152	1,268
East Bell County WSC (P)	423	482	547	615	686	756
Elm Creek WSC (P)	241	277	317	358	400	442
Fort Hood CDP (P)	3,874	3,850	3,815	3,809	3,804	3,804
Georgetown	652	758	870	982	1,094	1,204
Harker Heights	6,099	7,043	8,042	9,060	10,087	11,106
Holland	108	106	103	103	104	105
Jarrell-Schwertner WSC (P)	308	372	450	535	633	734
Kempner WSC (P)	332	371	405	437	470	501
Killeen	18,308	20,913	23,716	26,629	29,619	32,599
Little Elm Valley WSC (P)	272	313	356	400	445	490
Moffat WSC	469	478	487	499	517	535
Morgans Point Resort	582	681	787	897	1,009	1,121
Pendleton WSC	270	275	286	299	311	324
Rodgers	177	184	192	201	212	223
Salado WSC	1,899	2,081	2,265	2,449	2,636	2,822
Temple	20,095	23,231	26,532	29,903	33,301	36,666
The Grove WSC (P)	177	184	209	235	261	288
Troy	185	199	215	233	254	275
West Bell County WSC	758	795	784	782	781	780
Bell County Total	64,087	72,875	82,330	91,902	102,161	112,347
Bosque County						
Childress Creek WSC	343	365	373	379	384	388
Clifton	704	748	766	779	790	797

Table 2-6. Projected Municipal Water Demand by WUG/County in the Brazos G Area (acre-feet/year)

WUG/County	Projections ^{1, 2}					
	2020	2030	2040	2050	2060	2070
County-Other	782	838	860	869	873	899
Cross Country WSC (P)	127	135	138	141	143	144
Highland Park WSC (P)	118	127	132	136	139	142
Hilco United Services (P)	198	207	213	222	232	244
Meridian	235	247	252	255	258	261
Mustand Valley WSC	464	497	512	521	529	534
Smith Bend WSC	99	105	107	108	110	85
Valley Mills (P)	267	285	292	297	301	304
Bosque County Total	3,337	3,554	3,645	3,707	3,759	3,798
Brazos County						
Bryan	14,944	17,356	20,223	23,804	28,205	35,620
College Station	16,451	20,480	25,877	30,439	30,382	30,363
County-Other	393	392	390	387	385	384
Texas A&M University	6,322	6,349	6,308	6,292	6,288	6,288
Wellborn SUD	3,025	4,531	5,064	5,688	6,405	7,148
Wickson Creek SUD (P)	1,138	1,277	1,424	1,610	1,813	2,035
Brazos County Total	42,273	50,385	59,286	68,220	73,478	81,838
Burleson County						
Caldwell	1,027	1,043	1,072	1,072	1,091	1,108
County-Other	633	684	705	759	783	798
Deanville WSC	411	416	433	430	436	441
Milano WSC (P)	201	209	213	219	225	231
Snook	288	305	314	327	337	345
Somerville	273	292	315	346	378	412
Southwest Milam WSC (P)	126	132	135	140	144	148
Burleson County Total	2,959	3,081	3,187	3,293	3,394	3,483
Callahan County						
Baird	257	249	242	241	241	241
Callahan County WSC (P)	179	182	180	180	182	183
Clyde	309	312	310	308	311	313
Coleman County WSC (P)	30	31	31	31	31	31
County-Other	229	240	243	244	247	250
Cross Plains	193	200	203	205	208	209
EULA WSC	168	180	186	190	192	194

Table 2-6. Projected Municipal Water Demand by WUG/County in the Brazos G Area (acre-feet/year)

WUG/County	Projections ^{1,2}					
	2020	2030	2040	2050	2060	2070
Hamby WSC (P)	18	18	18	19	19	19
Potosi WSC (P)	12	13	13	13	13	14
Callahan County Total	1,395	1,425	1,426	1,431	1,444	1,454
Comanche County						
Comanche	520	518	513	521	533	546
County-Other	809	804	795	804	823	843
De Leon	219	216	213	215	220	226
Comanche County Total	1,548	1,538	1,521	1,540	1,576	1,615
Coryell County						
Central Texas College District	120	117	115	114	114	114
Copperas Cove (P)	4,181	4,562	5,030	5,474	5,999	6,533
Coryell City Water Supply District	808	898	1,005	1,101	1,207	1,315
County-Other	290	562	873	1,139	1,429	1,721
Elm Creek WSC (P)	42	46	52	56	62	67
Flat WSC	100	112	125	137	150	164
Fort Gates WSC	380	423	473	519	569	620
Fort Hood CDP (P)	3,206	3,138	3,094	3,089	3,085	3,084
Gatesville	4,301	4,801	5,377	5,897	6,472	7,050
Kempner WSC	618	681	739	799	858	916
Mountain WSC	257	284	317	347	380	414
Multi-County WSC (P)	236	257	283	308	337	367
Mustang Valley WSC	6	6	7	7	7	7
Oglesby	53	58	63	69	75	82
The Grove WSC (P)	26	27	30	34	38	42
Coryell County Total	14,624	15,972	17,583	19,090	20,782	22,496
Eastland County						
Cisco	729	726	711	703	701	701
County-Other	470	456	438	427	425	425
Eastland	622	617	603	595	594	594
Fort Griffin SUD (P)	2	2	2	2	2	2
Gorman	94	91	87	87	86	86
Ranger	479	476	466	464	463	463
Rising Star	99	97	94	93	92	92
Staff WSC	128	124	119	118	117	117

Table 2-6. Projected Municipal Water Demand by WUG/County in the Brazos G Area (acre-feet/year)

WUG/County	Projections ^{1, 2}					
	2020	2030	2040	2050	2060	2070
Stephens Regional SUD (P)	15	15	15	14	14	14
Eastland County Total	2,638	2,604	2,535	2,503	2,494	2,494
Erath County						
County-Other	2,605	2,833	3,022	3,269	3,479	3,678
Dublin	418	430	445	436	464	490
Gordon	7	7	7	8	8	8
Stephenville	2,659	2,867	3,047	3,241	3,448	3,645
Erath County Total	5,689	6,137	6,521	6,954	7,399	7,821
Falls County						
Bell-Milam-Falls WSC (P)	172	176	174	168	173	178
Burceville-Eddy (P)	196	206	267	280	296	312
Cego-Durango WSC	176	180	178	173	178	183
County-Other	773	776	717	678	690	705
East Bell County WSC (P)	39	39	39	37	38	39
Little Elm Valley WSC (P)	14	16	18	20	23	25
Marlin	1,849	1,908	1,901	1,850	1,904	1,961
North Milam WSC (P)	3	3	3	3	3	4
Rosebud	175	176	171	167	171	176
West Brazos WSC (P)	186	189	186	181	186	191
Falls County Total	3,583	3,669	3,654	3,557	3,662	3,774
Fisher County						
Bitter Creek WSC (P)	134	129	125	124	124	124
County-Other	76	73	70	70	69	69
Roby	124	121	119	117	117	117
Rotan	194	185	180	179	179	179
Fisher County Total	528	508	494	490	489	489
Grimes County						
County-Other	1,248	1,230	1,198	1,188	1,164	1,129
Dobbin-Plantersville WSC	138	155	169	184	197	209
G&W WSC	409	533	627	730	817	893
Navasota	1474	1486	1493	1514	1541	1567
TDCJ Luther Units	289	311	329	348	365	380
TDCJ W Pack Units	397	429	453	480	504	524
Wickson Creek SUD (P)	467	503	545	598	658	723

Table 2-6. Projected Municipal Water Demand by WUG/County in the Brazos G Area (acre-feet/year)

WUG/County	Projections ^{1, 2}					
	2020	2030	2040	2050	2060	2070
Grimes County Total	4422	4647	4814	5042	5246	5425
Hamilton County						
County-Other	450	437	422	421	420	420
Hamilton	512	508	497	490	489	489
Hico	180	176	171	168	167	167
Multi-County WSC (P)	55	55	53	52	52	52
Hamilton County Total	1,197	1,176	1,143	1,131	1,128	1,128
Haskell County						
County-Other	351	340	336	338	342	349
Haskell	504	494	484	482	488	499
Stamford (P)	9	8	8	8	9	9
Haskell County Total	864	842	828	828	839	857
Hill County						
Birome WSC (P)	104	107	110	113	116	119
Bold Springs WSC (P)	22	23	24	25	26	28
Brandon-Irene WSC (P)	231	237	239	246	253	259
Chatt WSC	95	98	100	103	106	108
County-Other	220	237	231	226	207	201
Double Diamond Utilities (P)	429	439	451	462	472	491
Files Valley WSC (P)	389	402	410	423	434	441
Gholson WSC	89	96	102	109	117	125
Hilco United Services (P)	565	589	607	633	661	681
Hill County WSC	466	487	501	518	532	544
Hillsboro	1,987	2,070	2,122	2,189	2,251	2,283
Hubbard	156	157	157	162	167	169
Itasca	152	153	153	156	160	163
Johnson County SUD (P)	17	18	20	22	24	26
Parker WSC (P)	30	31	32	33	33	34
Post Oak SUD	66	67	86	94	105	116
Whitney	492	492	504	520	534	547
Woodrow-Osceola WSC	311	311	314	325	333	341
Hill County Total	5,821	6,014	6,163	6,359	6,531	6,676
Hood County						
Acton MUD (P)	2,808	4,365	5,384	5,915	6,524	7,204

Table 2-6. Projected Municipal Water Demand by WUG/County in the Brazos G Area (acre-feet/year)

WUG/County	Projections ^{1, 2}					
	2020	2030	2040	2050	2060	2070
County-Other	2,643	1,952	1,619	1,591	1,435	1,169
Granbury	1,738	2,046	2,267	2,466	2,627	2,753
Lipan	115	130	140	150	158	164
Santo SUD (P)	7	7	7	8	8	9
Tolar	143	166	183	198	210	220
Hood County Total	7,454	8,666	9,600	10,328	10,962	11,519
Johnson County						
Acton MUD (P)	37	57	71	78	86	95
Alvarado	446	483	525	577	639	708
Bethany WSC	363	392	426	468	520	576
Bethesda WSC (P)	3,811	4,304	4,826	5,428	6,104	6,833
Burleson (P)	5,191	6,185	7,128	7,736	8,578	9,626
Cleburne	6,969	7,580	8,977	10,446	12,234	13,678
County-Other	945	1,110	809	439	138	149
Crowley	9	14	19	24	30	36
Double Diamond Utilities (P)	28	29	29	30	31	55
Fort Worth	0	0	0	957	1,530	1,912
Godley	102	111	121	134	148	164
Grandview	182	197	213	234	259	287
Johnson County SUD (P)	5,413	5,740	6,280	6,865	7,490	8,127
Keene	497	575	662	757	859	969
Mansfield (P)	706	1,003	1,310	1,647	2,013	2,405
Mountain Peak SUD (P)	1,123	1,351	1,591	1,857	2,149	2,461
Parker WSC (P)	319	385	455	535	625	721
Rio Vista	154	183	214	249	288	330
Venus (P)	623	709	801	903	1,015	1,137
Johnson County Total	26,918	30,408	34,457	39,364	44,736	50,269
Jones County						
Abilene (P)	945	975	992	1,012	1,036	1,057
Anson	365	373	376	386	394	402
County-Other	358	372	382	392	402	411
Hamby WSC (P)	54	55	55	55	55	56
Hamlin	423	435	444	458	468	478
Hawley WSC (P)	369	369	367	369	377	384

Table 2-6. Projected Municipal Water Demand by WUG/County in the Brazos G Area (acre-feet/year)

WUG/County	Projections ^{1, 2}					
	2020	2030	2040	2050	2060	2070
Stamford (P)	840	872	892	917	939	958
Jones County Total	3,354	3,451	3,508	3,589	3,671	3,746
Kent County						
County-Other	14	15	15	15	15	15
Jayton	118	115	112	111	111	111
Kent County Total	132	130	127	126	126	126
Knox County						
Baylor SUD (P)	2	2	1	1	1	1
County-Other	129	126	125	128	130	132
Knox City	237	240	242	248	252	256
Munday	253	255	256	262	266	270
Red River Authority of Texas	27	30	30	30	30	30
Knox County Total	648	653	654	669	679	689
Lampasas County						
Copperas Cove (P)	123	160	195	233	268	300
Corix Utilities Texas Inc. (P)	348	347	362	381	395	411
County-Other	150	155	136	116	102	88
Kempner WSC (P)	1,669	1,809	1,919	2,040	2,155	2,260
Lampasas	1,265	1,356	1,424	1,506	1,590	1,668
Lampasas County Total	3,555	3,827	4,036	4,276	4,510	4,727
Lee County						
Aqua WSC (P)	465	510	535	543	550	554
County-Other	133	142	149	152	154	155
Giddings	1,154	1,268	1,328	1,347	1,364	1,374
Lee County WSC (P)	959	1,046	1,093	1,106	1,119	1,127
Lexington	244	268	280	284	288	290
Southwest Milam WSC (P)	47	51	53	54	55	55
Lee County Total	3,002	3,285	3,438	3,486	3,530	3,555
Limestone County						
Birome WSC (P)	14	14	15	15	15	16
Bistone Municipal Water Supply District	233	241	247	258	267	273
Coolidge	176	191	202	217	230	239
County-Other	311	287	275	273	266	282
Groesbeck	688	677	667	665	668	665

Table 2-6. Projected Municipal Water Demand by WUG/County in the Brazos G Area (acre-feet/year)

WUG/County	Projections ^{1, 2}					
	2020	2030	2040	2050	2060	2070
Mart (P)	1	1	1	2	2	2
Mexia	568	634	687	745	793	826
Point Enterprise WSC	85	87	87	89	91	93
Point Oak SUD	11	11	15	16	17	18
Prairie Hill WSC (P)	140	145	150	156	163	168
SLC WSC	107	108	108	111	115	117
Tri-County SUD (P)	261	264	259	249	256	261
White Rock WSC	219	222	225	231	239	244
Limestone County Total	2,814	2,882	2,938	3,027	3,122	3,204
McLennan County						
Axtell WSC	166	172	179	187	198	208
Bellmead	1,233	1,261	1,288	1,331	1,388	1,448
Birome WSC (P)	66	68	70	72	74	76
Bold Springs WSC (P)	252	263	273	287	302	317
Bruceville-Eddy (P)	834	878	868	913	963	1,014
Central Bosque WSC	128	135	140	147	156	164
Chalk Bluff WSC	268	258	249	244	243	243
Coryell City Water Supply District (P)	125	146	166	186	206	227
County-Other	1,268	1,035	880	708	551	400
Crawford	148	147	146	147	148	150
Cross County WSC (P)	419	416	414	415	419	424
East Crawford	328	350	369	390	412	434
Elm Creek WSC (P)	193	214	233	254	276	299
EOL WSC	231	240	249	261	276	290
Gholson	232	250	265	284	304	325
H&H WSC	188	195	202	212	223	235
Hewitt	3,029	3,393	3,721	4,071	4,442	4,811
Highland Park WSC (P)	48	52	54	56	57	58
Hilltop WSC	98	102	106	111	117	123
Lacy-Lakeview	745	788	828	877	932	989
Leroy Tours Gerald WSC	139	144	148	155	163	172
Levi WSC	107	111	115	121	128	134
Lorena	319	351	379	410	443	476
Mart (P)	351	367	382	401	422	445

Table 2-6. Projected Municipal Water Demand by WUG/County in the Brazos G Area (acre-feet/year)

WUG/County	Projections ^{1, 2}					
	2020	2030	2040	2050	2060	2070
McGregor	801	813	825	846	874	905
McLennan County WCID 2	273	286	299	314	331	349
Moody	200	208	215	224	236	249
North Bosque WSC	566	687	795	905	1,017	1,127
Prairie Hill WSC (P)	101	105	108	113	118	122
Riesel	163	162	162	164	167	172
Robinson	2,472	2,896	3,275	3,671	4,078	4,482
Ross WSC	329	344	359	377	397	418
Spring Valley WSC	265	278	289	303	320	337
Texas State Technical College	888	954	1,013	1,073	1,132	1,193
Valley Mills (P)	4	6	8	10	11	13
Waco	31,279	33,063	34,676	36,494	38,495	40,503
West	457	461	466	474	487	501
West Brazos WSC (P)	163	169	176	186	196	207
Windsor Water	104	110	114	120	127	134
Woodway	3,465	3,690	3,892	4,114	4,347	4,579
McLennan County Total	52,445	55,568	58,396	61,628	65,176	68,753
Milam County						
Bell-Milam-Falls WSC (P)	225	232	237	246	255	264
Cameron	1,363	1,413	1,446	1,504	1,561	1,617
County-Other	129	134	139	146	151	156
Milano WSC (P)	209	214	216	224	232	240
North Milam WSC (P)	249	257	263	273	283	293
Rockdale	1,173	1,213	1,237	1,285	1,333	1,380
Salem Elm Ridge WSC	131	135	137	142	148	153
Southwest Milam WSC (P)	1,002	1,036	1,058	1,100	1,141	1,181
Thorndale	183	188	190	196	203	211
Milam County Total	4,664	4,822	4,923	5,116	5,307	5,495
Nolan County						
County-Other	126	127	128	130	134	137
Roscoe	199	203	205	211	216	222
Sweetwater	1,953	1,996	2,017	2,084	2,140	2,192
The Bitter Creek WSC	193	196	197	204	209	214
Nolan County Total	2,471	2,522	2,547	2,629	2,699	2,765

Table 2-6. Projected Municipal Water Demand by WUG/County in the Brazos G Area (acre-feet/year)

WUG/County	Projections ^{1,2}					
	2020	2030	2040	2050	2060	2070
Palo Pinto County						
County-Other	281	280	277	277	274	267
Gordon	140	148	153	158	163	167
Lake Palo Pinto Area WSC	106	109	111	114	117	119
Mineral Wells (P)	2579	2692	2759	2840	2919	2985
North Rural WSC	158	163	165	168	173	177
Palo Pinto WSC	115	120	123	126	129	132
Parker County SUD	6	8	10	13	16	19
Possum Kingdom WSC	834	886	921	954	982	1004
Santo SUD (P)	254	267	275	288	304	322
Sportsmans World MUD	122	131	136	142	146	150
Stephens Regional SUD (P)	5	5	5	5	5	5
Strawn	145	152	156	160	165	169
Sturdivant Progress WSC	240	247	250	257	265	274
Palo Pinto County Total	4,985	5,208	5,341	5,502	5,658	5,790
Robertson County						
Bethany Hearne WSC	43	45	48	51	54	58
Bremond	181	193	205	220	235	250
Calvert	190	183	180	180	179	179
County-Other	152	146	145	144	144	144
Franklin	274	291	330	379	439	509
Hearne	759	898	1,065	1,062	1,060	1,060
Robertson County WSC	424	500	578	675	776	869
Twin Creek WSC	265	284	302	324	345	367
Wellborn SUD (P)	851	877	910	950	996	1,045
Wickson Creek SUD (P)	43	48	53	59	66	74
Robertson County Total	3,182	3,465	3,816	4,044	4,294	4,555
Shackelford County						
Albany	604	635	624	625	624	624
Callahan County WSC (P)	5	5	5	5	5	5
County-Other	25	15	13	11	10	10
Fort Griffin SUD (P)	96	95	94	93	93	93
Hamby WSC (P)	52	52	52	53	53	54
Stephens Regional SUD (P)	2	2	2	2	2	2

Table 2-6. Projected Municipal Water Demand by WUG/County in the Brazos G Area (acre-feet/year)

WUG/County	Projections ^{1, 2}					
	2020	2030	2040	2050	2060	2070
Shackelford County Total	784	804	790	789	787	788
Somervell County						
County-Other	644	698	736	769	800	827
Glen Rose	605	663	703	736	767	792
Somervell County Water District	168	181	190	198	206	213
Somervell County Total	1,417	1,542	1,629	1,703	1,773	1,832
Stephens County						
Breckenridge	1,002	1,012	1,006	1,004	1,005	1,015
County-Other	49	48	48	48	51	49
Fort Belknap WSC (P)	6	6	6	5	6	6
Fort Griffin SUD (P)	102	103	101	101	101	101
Possum Kingdom WSC (P)	34	35	35	36	36	36
Staff WSC	42	41	39	39	38	38
Stephens Regional SUD (P)	257	254	250	247	248	249
Stephens County Total	1,492	1,499	1,485	1,480	1,485	1,494
Stonewall County						
Aspermont	249	245	241	241	240	240
County-Other	68	65	64	64	64	64
Stonewall County Total	317	310	305	305	304	304
Taylor County						
Abilene (P)	21,316	21,723	22,058	22,428	22,838	23,181
Coleman County WSC (P)	19	19	19	19	20	20
County-Other	666	666	669	686	698	708
Hamby WSC (P)	34	35	35	35	35	36
Hawley WSC (P)	48	48	48	48	49	50
Lawn	128	131	133	136	138	140
Merkel	373	376	378	382	388	394
North Runnels WSC	34	34	33	33	33	33
Potosi WSC (P)	801	819	836	851	866	879
Steamboat Mountain WSC	376	379	383	387	393	399
Tye	184	186	188	191	195	197
View Caps WSC	195	197	199	202	205	208
Taylor County Total	24,174	24,613	24,979	25,398	25,858	26,245
Throckmorton County						

Table 2-6. Projected Municipal Water Demand by WUG/County in the Brazos G Area (acre-feet/year)

WUG/County	Projections ^{1, 2}					
	2020	2030	2040	2050	2060	2070
Baylor SUD (P)	3	3	3	3	3	3
County-Other	30	28	28	28	28	27
Fort Belknap WSC (P)	20	20	19	19	19	19
Fort Griffin SUD (P)	19	19	19	19	19	19
Stephens Regional SUD (P)	17	16	16	15	15	15
Throckmorton	185	181	177	177	177	177
Throckmorton County Total	274	267	262	261	261	260
Washington County						
Brenham	4,329	4,627	4,821	5,038	5,225	5,382
Central Washington County WSC	254	262	268	275	283	289
Chappell Hill WSC	141	147	150	155	159	163
Corix Utilities Texas Inc. (P)	577	598	612	631	648	663
County-Other	1,374	1,352	1,330	1,324	1,329	1,333
West End WSC	53	58	62	68	74	82
Washington County Total	6,728	7,044	7,243	7,491	7,718	7,912
Williamson County						
Bartlett (P)	200	208	221	236	255	275
Bell-Milam-Falls WSC (P)	43	53	65	78	94	110
Block House MUD	846	828	818	814	812	811
Brushy Creek MUD	3,084	3,022	2,985	2,965	2,960	2,959
Cedar Park (P)	16,857	18,582	18,490	18,457	18,441	18,434
County-Other	6,089	3,894	9,107	13,912	29,849	44,044
Fern Bluff MUD	1,187	1,175	1,168	1,163	1,161	1,161
Florence	130	132	137	144	154	166
Georgetown	26,115	34,121	42,521	52,549	63,820	76,998
Granger	209	217	229	244	264	286
Hutto	2,072	4,211	4,469	6,602	9,761	11,868
Jarrell-Schwertner WSC (P)	650	768	919	1,088	1,283	1,488
Jonah Water SUD	3,312	4,052	5,008	6,062	7,281	8,485
Leander	6,562	9,846	12,920	16,012	19,897	24,500
Liberty Hill	220	267	329	398	478	560
Manville WSC (P)	1,886	2,219	2,636	3,147	3,771	4,523
Paloma Lake MUD 1	305	409	403	400	399	399
Paloma Lake MUD 2	245	287	282	280	279	279

Table 2-6. Projected Municipal Water Demand by WUG/County in the Brazos G Area (acre-feet/year)

WUG/County	Projections ^{1, 2}					
	2020	2030	2040	2050	2060	2070
Pflugerville	62	77	96	117	140	165
Round Rock (P)	19,804	24,297	30,246	37,228	37,174	37,153
Sonterra MUD	445	449	459	474	493	513
Southwest Milam (P)	291	356	439	530	637	747
Taylor	2,844	3,010	3,245	3,527	3,873	4,237
Thorndale (P)	0	0	0	1	1	1
Walsh Ranch MUD	199	196	195	195	194	194
Williamson County MUD 10	727	722	721	720	719	718
Williamson County MUD 11	820	816	816	817	818	820
Williamson County MUD 9	548	541	538	536	536	536
Williamson County WSID 3	898	916	941	972	1,008	1,045
Williamson-Travis County MUD 1 (P)	598	584	576	572	571	570
Williamson County Total	97,248	116,255	140,979	170,240	207,123	244,045
Young County						
Baylor SUD (P)	27	27	27	27	27	27
County-Other	209	211	215	222	230	238
Fort Belknap WSC (P)	430	440	445	457	471	487
Graham	2,788	2,891	2,959	3,052	3,157	3,262
Young County Total	3,454	3,569	3,646	3,758	3,885	4,014
Brazos G Total	406,477	455,217	510,229	571,256	638,046	707,782

Notes:

¹ Projections from Texas Water Development Board.

² Projections do not include contractual water demands.

(P) Partial

2.3.3 Manufacturing Water Demand

Manufacturing is an integral part of the economy of the Brazos G Area, and water is critical to the manufacturing process for many industries. It can be used in a variety of ways, including as a component of the final product, as a cooling agent during the manufacturing process, or for cleaning/wash-down of parts and/or products. In the Brazos G Area, industries that are major water users include food and kindred products, apparel, fabricated metal, machinery, stone and concrete production, and micro-chip production.

Manufacturing water demand was projected by the TWDB by taking industry-specific water demand coefficients, adjusted for water-use efficiencies (recycling/reuse), and applying them to growth trends for each industry. These growth trends assume expansion of existing capacity and building of new facilities, continuation of historical trends of

interaction between oil price changes and industrial activity, and that the makeup of each county’s manufacturing base remains constant throughout the 60-year planning horizon.

Manufacturing use is projected to increase 60 percent, from 12,695 acft in 2020 to 16,175 acft in 2030, and then remain constant through the remainder of the planning horizon (Table 2-7). The trend in manufacturing use by county is shown in Figure 2-6. Bosque, Johnson, McLennan, Brazos, and Williamson Counties account for 71 percent of the total use in 2070.

Table 2-7. Projected Manufacturing Water Demand in the Brazos G Area (acre-feet/year)

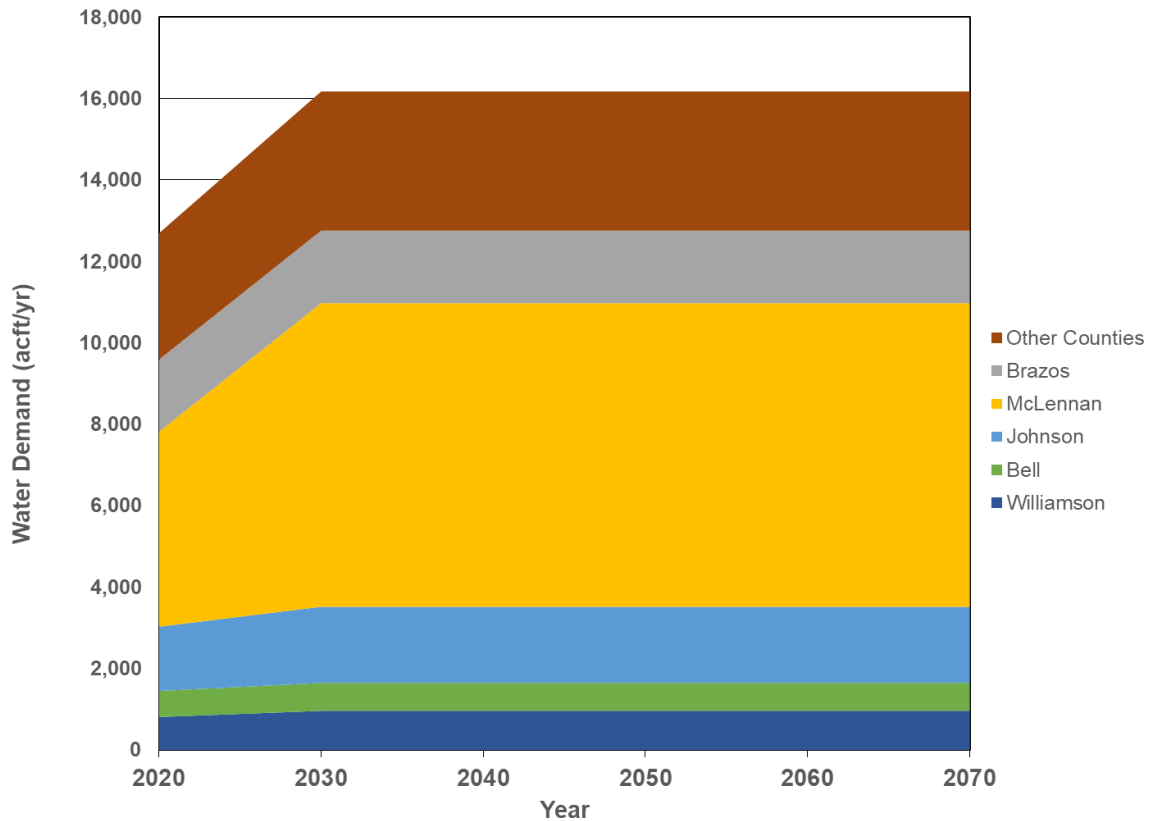
County	Projected Demands ¹					
	2020	2030	2040	2050	2060	2070
Bell	641	685	685	685	685	685
Bosque	9	11	11	11	11	11
Brazos	1,770	1,780	1,780	1,780	1,780	1,780
Burleson	117	117	117	117	117	117
Callahan	0	0	0	0	0	0
Comanche	18	20	20	20	20	20
Coryell	4	4	4	4	4	4
Eastland	48	56	56	56	56	56
Erath	74	85	85	85	85	85
Falls	0	0	0	0	0	0
Fisher	157	185	185	185	185	185
Grimes	327	327	327	327	327	327
Hamilton	3	3	3	3	3	3
Haskell	0	0	0	0	0	0
Hill	1	1	1	1	1	1
Hood	14	17	17	17	17	17
Johnson	1,577	1,872	1,872	1,872	1,872	1,872
Jones	0	0	0	0	0	0
Kent	0	0	0	0	0	0
Knox	4	4	4	4	4	4
Lampasas	198	216	216	216	216	216
Lee	7	8	8	8	8	8
Limestone	321	377	377	377	377	377
McLennan	4,792	7,458	7,458	7,458	7,458	7,458
Milam	12	13	13	13	13	13
Nolan	448	528	528	528	528	528
Palo Pinto	11	13	13	13	13	13

Table 2-7. Projected Manufacturing Water Demand in the Brazos G Area (acre-feet/year)

County	Projected Demands ¹					
	2020	2030	2040	2050	2060	2070
Robertson	51	51	51	51	51	51
Shackelford	13	13	13	13	13	13
Somervell	3	4	4	4	4	4
Stephens	7	8	8	8	8	8
Stonewall	58	58	58	58	58	58
Taylor	585	671	671	671	671	671
Throckmorton	0	0	0	0	0	0
Washington	577	583	583	583	583	583
Williamson	812	963	963	963	963	963
Young	36	44	44	44	44	44
Brazos G Total	12,695	16,175	16,175	16,175	16,175	16,175

¹ Projections from Texas Water Development Board

Figure 2-6. Manufacturing Water Demand Projections



2.3.4 Steam-Electric Water Demand

The steam-electric generation process uses water in boilers and for cooling. The projections for steam-electric water demand were developed by the TWDB and are based on power generation projections—determined by population and manufacturing growth—and on power generation capacity and fresh water use for that projected capacity. Grimes, Hood Limestone, McLennan, Milam, Robertson, and Somervell counties account for 92 percent of total steam-electric water use in 2070. Steam-Electric water use is projected to remain constant at 232,894 acft from 2020 to 2070 (Table 2-8 and Figure 2-7).

Table 2-8. Projected Steam-Electric Water Demand in the Brazos G Area (acre-feet/year)

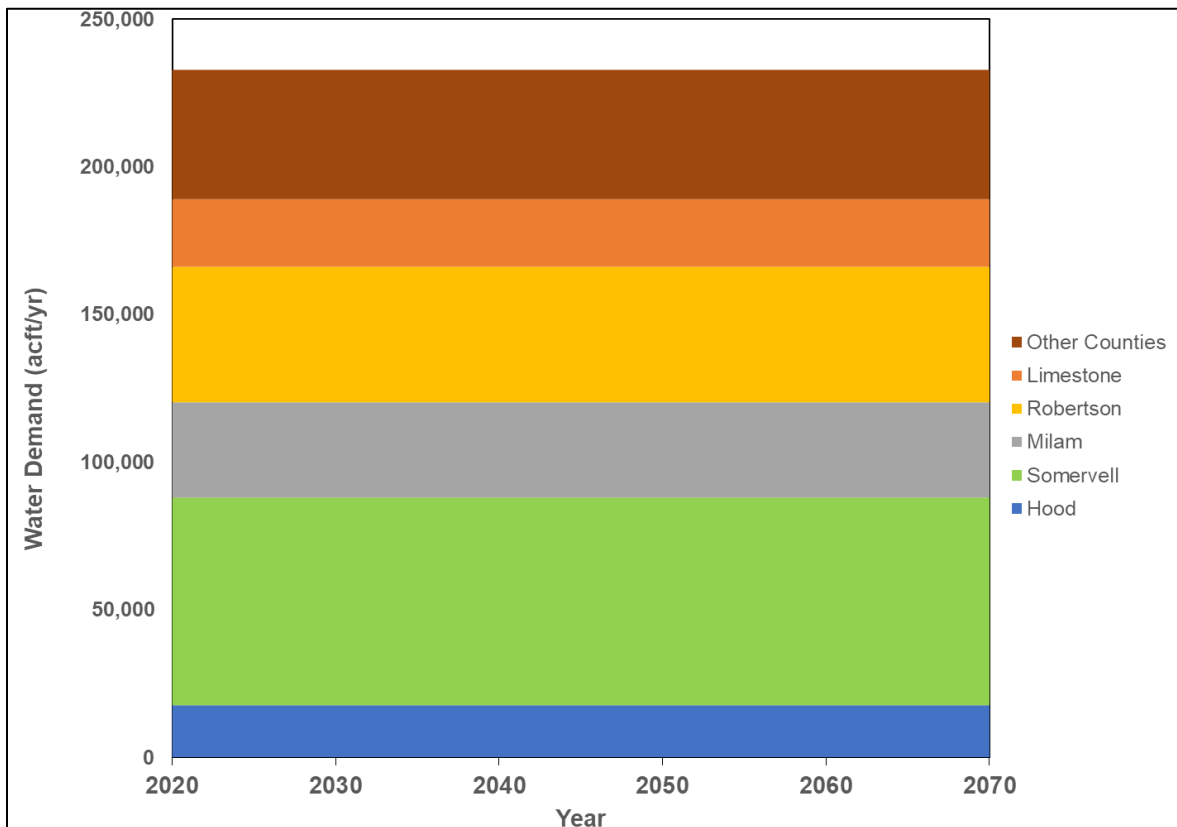
County	Projected Demands ¹					
	2020	2030	2040	2050	2060	2070
Bell	4,714	4,714	4,714	4,714	4714	4,714
Bosque	2,880	2,880	2,880	2,880	2880	2,880
Brazos	421	421	421	421	421	421
Burleson	0	0	0	0	0	0
Callahan	0	0	0	0	0	0
Comanche	0	0	0	0	0	0
Coryell	0	0	0	0	0	0
Eastland	0	0	0	0	0	0
Erath	0	0	0	0	0	0
Falls	0	0	0	0	0	0
Fisher	0	0	0	0	0	0
Grimes	15,016	15,016	15,016	15,016	15016	15,016
Hamilton	0	0	0	0	0	0
Haskell	0	0	0	0	0	0
Hill	4120	4120	4120	4120	4120	4,120
Hood	17,709	17,709	17,709	17,709	17709	17,709
Johnson	1,915	1,915	1,915	1,915	1915	1,915
Jones	0	0	0	0	0	0
Kent	0	0	0	0	0	0
Knox	0	0	0	0	0	0
Lampasas	0	0	0	0	0	0
Lee	0	0	0	0	0	0
Limestone	22,936	22,936	22,936	22,936	22936	22,936
McLennan	13,520	13,520	13,520	13,520	13520	13,520
Milam	32,254	32,254	32,254	32,254	32254	32,254
Nolan	0	0	0	0	0	0

Table 2-8. Projected Steam-Electric Water Demand in the Brazos G Area (acre-feet/year)

County	Projected Demands ¹					
	2020	2030	2040	2050	2060	2070
Palo Pinto	501	501	501	501	501	501
Robertson	45,866	45,866	45,866	45,866	45,866	45,866
Shackelford	0	0	0	0	0	0
Somervell	70,362	70,362	70,362	70,362	70,362	70,362
Stephens	0	0	0	0	0	0
Stonewall	0	0	0	0	0	0
Taylor	0	0	0	0	0	0
Throckmorton	0	0	0	0	0	0
Washington	0	0	0	0	0	0
Williamson	0	0	0	0	0	0
Young	680	680	680	680	680	680
Brazos G Total	232,894	232,894	232,894	232,894	232,894	232,894

¹ Projections adopted by the Texas Water Development Board, as requested by the BGRWPG (Appendix Q).

Figure 2-7. Steam-Electric Water Demand Projections



2.3.5 Mining Water Demand

Projections for mining water demand were developed by the TWDB and are based on projected production of mineral commodities, and historic rates of water use, moderated by water requirements of technological processes used in mining.

Mining use in the Brazos G Area is expected to decrease 1.2 percent between 2020 and 2070, from 61,586 acft to 60,838 acft (Table 2-9). Robertson, Limestone, Williamson, Bell, and McLennan counties account for 75 percent of total mining water use in 2070 (Figure 2-8).

Table 2-9. Projected Mining Water Demand in the Brazos G Area (acre-feet/year)

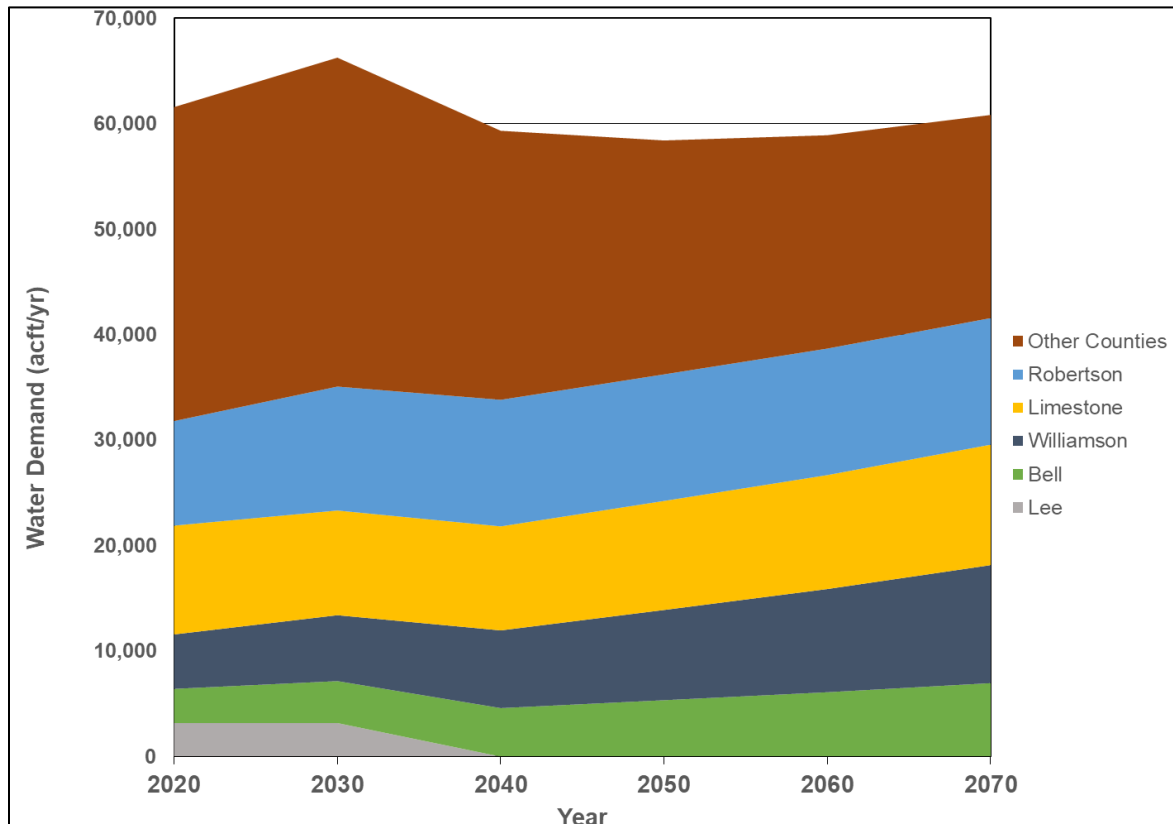
County	Projected Demands ¹					
	2020	2030	2040	2050	2060	2070
Bell	3,242	3,980	4,599	5,349	6,105	6,968
Bosque	1,972	2,071	1,892	1,872	1,833	1,821
Brazos	1,088	1,610	1,433	1,144	923	814
Burleson	995	1,923	1,512	1,100	686	428
Callahan	228	227	214	201	190	180
Comanche	444	525	363	276	188	128
Coryell	1,510	1,072	491	363	398	437
Eastland	1,164	1,173	929	714	518	432
Erath	505	536	376	304	232	177
Falls	225	246	259	286	307	331
Fisher	407	402	359	313	273	238
Grimes	323	602	471	340	209	128
Hamilton	393	236	101	0	0	0
Haskell	93	92	83	74	66	59
Hill	1,634	1,190	775	403	436	472
Hood	2,078	2,436	2,222	2,133	2,043	2,057
Johnson	4,126	2,788	1,515	1,013	1,161	1,336
Jones	239	234	218	199	183	169
Kent	38	38	35	32	29	26
Knox	15	15	14	14	14	14
Lampasas	198	221	241	261	286	313
Lee	3,180	3,180	0	0	0	0
Limestone	10,317	9,925	9,865	10,339	10,805	11,425
McLennan	2,538	3,000	3,060	3,508	3,832	4,216
Milam	14	14	14	14	14	14
Nolan	225	222	200	178	158	141

Table 2-9. Projected Mining Water Demand in the Brazos G Area (acre-feet/year)

County	Projected Demands ¹					
	2020	2030	2040	2050	2060	2070
Palo Pinto	656	847	625	480	336	235
Robertson	9,913	11,753	12,000	12,000	12,000	12,000
Shackelford	562	747	558	442	328	243
Somervell	1,112	1,279	1,146	1,060	998	971
Stephens	5,064	5,141	4,458	3,825	3,257	2,773
Stonewall	584	576	512	446	388	338
Taylor	391	391	366	346	329	315
Throckmorton	194	191	171	150	132	116
Washington	569	866	703	538	373	264
Williamson	5,163	6,247	7,364	8,555	9,782	11,186
Young	187	276	196	151	105	73
Brazos G Total	61,586	66,272	59,340	58,423	58,917	60,838

¹ Projections from Texas Water Development Board

Figure 2-8. Mining Water Demand Projections



2.3.6 Irrigation Water Demand

The irrigation water demand projections were developed by the TWDB and are based on specific assumptions regarding resource constraints, crop prices, crop yields, agricultural policy, and technological advances in irrigation systems.

Major crops grown in the region include feed grains, small grains, cotton, pecans, and peanuts. Table 2-10 shows that irrigation water demand will decrease 1.0 percent from 2020 to 2070, mostly attributable to technological advances in irrigation techniques as well as projected reductions in irrigated acreage. Figure 2-9 shows the trend in irrigation use, with Robertson, Haskell, Knox, Brazos, and Comanche counties accounting for 70 percent of total irrigation water use in 2070.

Table 2-10. Projected Irrigation Water Demand in the Brazos G Area (acre-feet/year)

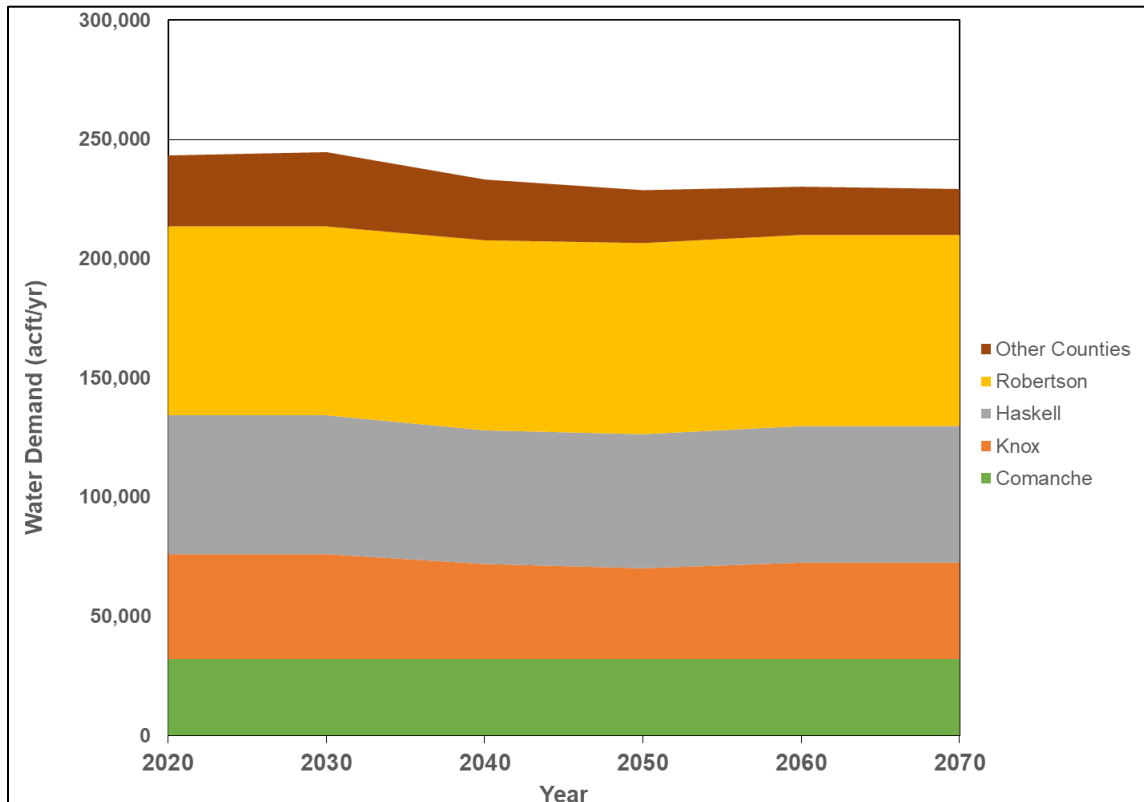
County	Projected Demands ¹					
	2020	2030	2040	2050	2060	2070
Bell	2,843	2,843	2,843	2,843	2,843	2,843
Bosque	3,577	3,577	3,577	3,577	3,577	3,577
Brazos	39,243	39,243	39,243	39,243	39,243	39,243
Burleson	26,804	26,804	26,804	26,804	26,804	26,804
Callahan	781	781	781	781	781	781
Comanche	32,117	32,117	32,117	32,117	32,117	32,117
Coryell	310	310	310	310	310	310
Eastland	5,031	5,031	5,031	5,031	5,031	5,031
Erath	7,026	7,026	7,026	7,026	7,026	7,026
Falls	7,448	7,448	7,448	7,448	7,448	7,448
Fisher	4,680	4,680	4,680	4,680	4,680	4,680
Grimes	668	668	668	668	668	668
Hamilton	694	694	694	694	694	694
Haskell	58,239	58,239	56,022	56,188	57,281	57,281
Hill	1,750	1,750	1,750	1,750	1,750	1,750
Hood	9,049	9,049	9,049	9,049	9,049	9,049
Johnson	566	566	566	566	566	566
Jones	2,829	2,829	2,829	2,829	2,829	2,829
Kent	1,081	1,081	1,081	1,081	1,081	1,081
Knox	43,982	43,982	39,874	38,078	40,413	40,413
Lampasas	538	538	538	538	538	538
Lee	1,168	1,168	1,168	1,168	1,168	1,168
Limestone	7	7	7	7	7	7
McLennan	4,962	4,962	4,962	4,962	4,962	4,962

Table 2-10. Projected Irrigation Water Demand in the Brazos G Area (acre-feet/year)

County	Projected Demands ¹					
	2020	2030	2040	2050	2060	2070
Milam	6,502	6,502	6,502	6,502	6,502	6,502
Nolan	11,564	11,564	11,564	11,564	11,564	11,564
Palo Pinto	3,011	3,011	3,011	3,011	3,011	3,011
Robertson	79,182	79,182	79,706	80,166	80,167	80,167
Shackelford	250	250	250	250	250	250
Somervell	410	410	410	410	410	410
Stephens	152	152	152	152	152	152
Stonewall	106	106	106	106	106	106
Taylor	1,635	1,635	1,635	1,635	1,635	1,635
Throckmorton	157	157	157	157	157	157
Washington	309	309	309	309	309	309
Williamson	333	333	333	333	333	333
Young	493	493	493	493	493	493
Brazos G Total	359,497	359,497	353,696	352,526	355,955	355,955

¹ Projections from Texas Water Development Board

Figure 2-9. Irrigation Water Demand Projections



2.3.7 Livestock Water Demand

In the 37-county Brazos G Area, the principal livestock type is dairy, with some beef cattle. The Brazos G Area contains widespread cow-calf operators, with concentrated dairy production in Comanche and Erath counties. The livestock water demand projections developed by the TWDB are based upon estimates of the maximum carrying capacity of the rangeland of the area and the estimated number of gallons of water per head of livestock per day. Additionally, economics of milk production and environmental impacts of the operations are major factors in the projections of the water demands for this category of livestock.

Livestock drinking water is obtained from wells, stock watering ponds, and streams. As can be seen in Table 2-11, it is projected that the annual livestock water demand will remain constant at 47,939 acft between 2020 and 2070.

Table 2-11 shows the trend in livestock use, with Erath, Comanche, Robertson, Milam, and Grimes counties accounting for 35 percent of total livestock water use in 2070.

2.3.8 Wholesale Water Providers

A wholesale water provider (WWP) in the 2021 Brazos G Plan is any entity that delivers or sells water wholesale, whether treated or raw, or that the Brazos G RWPG expects to sell water during the planning period. Seventy-seven WUGs are also WWPs in the Brazos G Area, e.g., they sell wholesale water to neighboring water systems in addition to meeting their own municipal demands. In addition to those water systems, 13 WWPs provide only wholesale water to entities in the Brazos G Area. The total contractual demands in Brazos G for those 13 WWPs are shown in Table 2.12. Note that two additional WWPs are identified in Brazos G (FHLM WSC and the Salt Fork Water Quality Corporation), but do not have current contracts to sell water.

Table 2-11. Projected Livestock Water Demand in the Brazos G Area (acre-feet/year)

County	Projected Demands ¹					
	2020	2030	2040	2050	2060	2070
Bell	1,172	1,172	1,172	1,172	1,172	1,172
Bosque	979	979	979	979	979	979
Brazos	1,243	1,243	1,243	1,243	1,243	1,243
Burleson	1,390	1,390	1,390	1,390	1,390	1,390
Callahan	897	897	897	897	897	897
Comanche	3,243	3,243	3,243	3,243	3,243	3,243
Coryell	1,133	1,133	1,133	1,133	1,133	1,133
Eastland	1,117	1,117	1,117	1,117	1,117	1,117
Erath	5,739	5,739	5,739	5,739	5,739	5,739
Falls	1,833	1,833	1,833	1,833	1,833	1,833
Fisher	620	620	620	620	620	620

Table 2-11. Projected Livestock Water Demand in the Brazos G Area (acre-feet/year)

County	Projected Demands ¹					
	2020	2030	2040	2050	2060	2070
Grimes	2,123	2,123	2,123	2,123	2,123	2,123
Hamilton	1,393	1,393	1,393	1,393	1,393	1,393
Haskell	444	444	444	444	444	444
Hill	1,337	1,337	1,337	1,337	1,337	1,337
Hood	513	513	513	513	513	513
Johnson	1,452	1,452	1,452	1,452	1,452	1,452
Jones	581	581	581	581	581	581
Kent	260	260	260	260	260	260
Knox	509	509	509	509	509	509
Lampasas	625	625	625	625	625	625
Lee	1,216	1,216	1,216	1,216	1,216	1,216
Limestone	1,670	1,670	1,670	1,670	1,670	1,670
McLennan	1,953	1,953	1,953	1,953	1,953	1,953
Milam	2,761	2,761	2,761	2,761	2,761	2,761
Nolan	296	296	296	296	296	296
Palo Pinto	1,929	1,929	1,929	1,929	1,929	1,929
Robertson	3,048	3,048	3,048	3,048	3,048	3,048
Shackelford	580	580	580	580	580	580
Somervell	165	165	165	165	165	165
Stephens	460	460	460	460	460	460
Stonewall	336	336	336	336	336	336
Taylor	834	834	834	834	834	834
Throckmorton	493	493	493	493	493	493
Washington	1,348	1,348	1,348	1,348	1,348	1,348
Williamson	1,656	1,656	1,656	1,656	1,656	1,656
Young	591	591	591	591	591	591
Brazos G Total	47,939	47,939	47,939	47,939	47,939	47,939

¹ Projections from Texas Water Development Board

Figure 2-10. Livestock Water Demand Projections

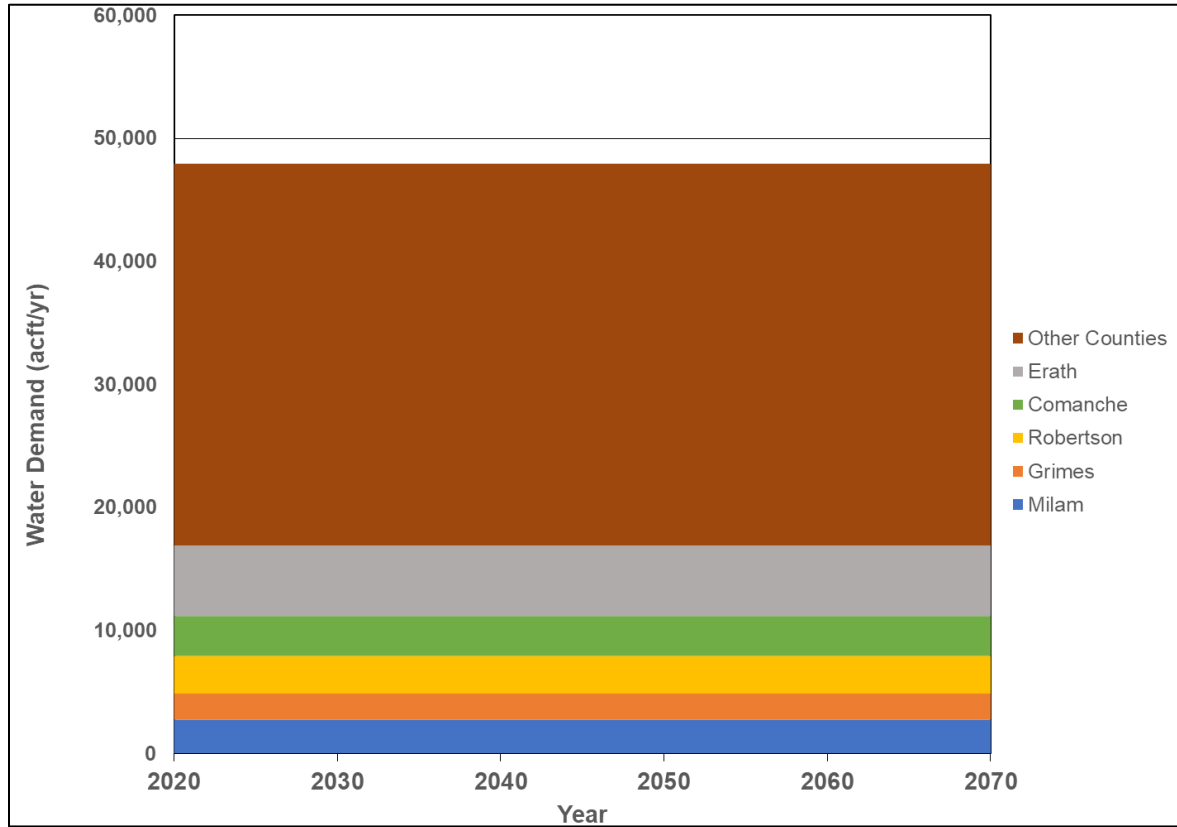


Table 2-12. Brazos G Related Contractual Demands for non-WUG Wholesale Water Providers (acre-feet/year)

Wholesale Water Provider	2020	2030	2040	2050	2060	2070
AQUILLA WSD	6,512	5,952	5,952	5,952	5,952	5,952
BELL COUNTY WCID #1	25,455	25,879	26,494	26,914	27,826	28,705
BLUEBONNET WSC	7,125	7,125	7,125	7,125	7,125	7,125
BRAZOS RIVER AUTHORITY ¹	347,929	344,344	340,760	337,176	333,591	329,798
CENTRAL TEXAS WSC	10,537	10,537	10,537	10,537	10,537	10,537
COLORADO RIVER MWD	5,020	4,850	4,679	4,509	4,338	4,168
EASTLAND COUNTY WSD	5,387	5,395	5,395	5,395	5,395	5,395
LOWER COLORADO RIVER AUTHORITY ²	57,640	57,640	57,640	57,640	57,640	57,640
NORTH CENTRAL TEXAS MUNICIPAL WATER AUTHORITY	1,650	1,650	1,650	1,650	1,650	1,650
PALO PINTO COUNTY MWD #1	9,414	9,515	9,570	9,641	9,712	9,771
TARRANT REGIONAL WD ³	308,840	376,950	443,703	495,609	539,887	585,823
UPPER LEON MWD	4,572	4,572	4,572	4,572	4,572	4,572
WEST CENTRAL TEXAS MWD	17,977	15,620	13,260	10,900	8,540	6,200

¹ Includes contractual demands for Region C portion of Parker County SUD located in both Brazos G and Region C.

² Includes contractual demands for Region K portion of Pflugerville located both Brazos G and Region K.

³ Includes contractual demands for Region C portion of Fort Worth and Mansfield located both in Brazos G and Region C.

2.3.9 Major Water Providers

Projected retail and wholesale demands by category of use for the major water providers (MWP) identified by the Brazos G RWPG are shown in Appendix O.