



Table 4-11									
Projected Water Demands, Supplies, and Needs									
Guadalupe County									
South Central Texas Region									
Basin	Source	Total in	Projections						
		2000 (acft)	2010 (acft)	2020 (acft)	2030 (acft)	2040 (acft)	2050 (acft)	2060 (acft)	
Martindale WSC	Canyon (CRWA)	170	170	170	170	170	170	170	170
New Braunfels	Edwards	158	158	158	158	158	158	158	158
	Run-of-River	54	54	54	54	54	54	54	54
	Canyon (GBRA)	215	215	215	215	215	215	215	215
New Braunfels Subtotal		427	427	427	427	427	427	427	427
Santa Clara	estimated Carrizo	29	29	29	29	29	29	29	29
Seguin	Run-of-River	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000
	Canyon (GBRA)	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000
	Carrizo (Gonzales)	5,420	5,420	5,420	5,420	5,420	5,420	5,420	5,420
Seguin Subtotal		15,420	15,420	15,420	15,420	15,420	15,420	15,420	15,420
Springs Hill WSC	Canyon (GBRA)	2,125	2,125	2,125	2,125	2,125	2,125	2,125	2,125
	Canyon (CRWA)	786	786	786	786	786	786	786	786
	Carrizo (Gonzales)	473	473	473	473	473	473	473	473
Springs Hill WSC Subtotal		3,384	3,384	3,384	3,384	3,384	3,384	3,384	3,384
Rural	Queen City	119	118	121	125	128	131	134	134
	Carrizo	207	207	207	207	207	207	207	207
	Run-of-River	134	134	134	134	134	134	134	134
	Canyon (GBRA)	10	10	10	10	10	10	10	10
Rural Subtotal		470	469	472	476	479	482	485	485
Subtotal		21,898	21,897	21,900	21,904	21,907	21,910	21,913	21,913
Total Municipal Existing Supply		30,124	30,123	30,126	30,130	30,133	30,136	30,139	30,139
<b>Municipal Surplus/Shortage</b>									
San Antonio Basin									
Cibolo		2	-266	-590	-946	-1,298	-1,698	-2,130	-2,130
East Central WSC		21	-5	-39	-77	-114	-151	-193	-193
Green Valley SUD		-107	-252	-434	-645	-832	-1,071	-1,329	-1,329
Marion		15	5	-10	-25	-40	-60	-82	-82
Santa Clara		23	-62	-165	-280	-390	-516	-651	-651
Schertz (part)		3,342	2,321	1,029	-330	-1,704	-3,281	-4,980	-4,980
Selma		40	-2	-29	-56	-74	-95	-119	-119
Springs Hill WSC		278	236	184	126	68	2	-73	-73
Water Service Inc. (Apex Water Ser)		-23	-28	-35	-43	-51	-59	-69	-69
Rural		-56	-48	-37	-25	-15	-7	0	0
Subtotal		3,535	1,899	-126	-2,301	-4,450	-6,936	-9,626	-9,626
Guadalupe Basin									
Crystal Clear WSC		-93	-392	-764	-1,188	-1,574	-2,053	-2,569	-2,569
Green Valley SUD		-263	-617	-1,062	-1,577	-2,035	-2,621	-3,252	-3,252
Martindale WSC		144	123	106	86	59	42	20	20
New Braunfels		161	-40	-276	-533	-789	-1,072	-1,383	-1,383
Santa Clara		6	-14	-40	-68	-95	-126	-159	-159
Seguin		10,957	10,402	9,702	8,966	8,217	7,351	6,373	6,373
Springs Hill WSC		1,631	1,400	1,122	803	493	134	-272	-272
Rural		196	249	297	347	400	437	474	474
Subtotal		12,739	11,111	9,085	6,836	4,676	2,092	-768	-768
Total Municipal Surplus/Shortage		16,274	13,010	8,959	4,535	226	-4,844	-10,394	-10,394





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Guadalupe County									
South Central Texas Region									
Basin	Source	Total in	Projections						
		2000 (acft)	2010 (acft)	2020 (acft)	2030 (acft)	2040 (acft)	2050 (acft)	2060 (acft)	
<b>Livestock Supply</b>									
San Antonio Basin	Local	264	264	264	264	264	264	264	264
Guadalupe Basin	Local	793	793	793	793	793	793	793	793
Total Livestock Supply		1,057	1,057	1,057	1,057	1,057	1,057	1,057	1,057
<b>Livestock Surplus/Shortage</b>									
San Antonio Basin		0	0	0	0	0	0	0	0
Guadalupe Basin		0	0	0	0	0	0	0	0
Total Livestock Surplus/Shortage		0	0	0	0	0	0	0	0
<b>Livestock New Supply Need</b>									
San Antonio Basin		0	0	0	0	0	0	0	0
Guadalupe Basin		0	0	0	0	0	0	0	0
Total Livestock New Supply Need		0	0	0	0	0	0	0	0
<b>Total Guadalupe County Demand</b>									
Municipal		13,850	17,113	21,167	25,595	29,907	34,980	40,533	
Industrial		2,097	2,638	2,957	3,249	3,530	3,771	4,097	
Steam-Electric		129	10,065	14,407	16,844	19,814	23,435	27,848	
Irrigation		875	1,070	955	846	742	710	705	
Mining		270	306	321	330	338	346	353	
Livestock		1,057	1,057	1,057	1,057	1,057	1,057	1,057	
Total County Demand		18,278	32,249	40,864	47,921	55,388	64,299	74,593	
<b>Total Guadalupe County Supply</b>									
Municipal		30,124	30,123	30,126	30,130	30,133	30,136	30,139	
Industrial		1,512	1,512	1,512	1,512	1,512	1,512	1,512	
Steam-Electric		6,840	6,840	6,840	6,840	6,840	6,840	6,840	
Irrigation		1,754	1,797	1,772	1,747	1,724	1,716	1,716	
Mining		270	306	321	330	338	346	353	
Livestock		1,057	1,057	1,057	1,057	1,057	1,057	1,057	
Total County Supply		41,557	41,635	41,628	41,616	41,604	41,607	41,617	
<b>Total Guadalupe County Surplus/Shortage</b>									
Municipal		16,274	13,010	8,959	4,535	226	-4,844	-10,394	
Industrial		-585	-1,126	-1,445	-1,737	-2,018	-2,259	-2,585	
Steam-Electric		6,711	-3,225	-7,567	-10,004	-12,974	-16,595	-21,008	
Irrigation		879	727	817	901	982	1,006	1,011	
Mining		0	0	0	0	0	0	0	
Livestock		0	0	0	0	0	0	0	
Total County Surplus/Shortage		23,279	9,386	764	-6,305	-13,784	-22,692	-32,976	
<b>Total Basin Demand</b>									
<b>San Antonio</b>									
Municipal		4,691	6,327	8,352	10,527	12,676	15,162	17,852	
Industrial		3	4	4	5	5	5	6	
Steam-Electric		0	0	0	0	0	0	0	
Irrigation		113	137	123	109	96	91	91	
Mining		14	16	16	17	17	18	18	
Livestock		264	264	264	264	264	264	264	
Total San Antonio Basin Demand		5,085	6,748	8,759	10,922	13,058	15,540	18,231	

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Guadalupe County									
South Central Texas Region									
Basin	Source	Total in	Projections						
		2000 (acft)	2010 (acft)	2020 (acft)	2030 (acft)	2040 (acft)	2050 (acft)	2060 (acft)	
<b>Guadalupe</b>									
Municipal		9,159	10,786	12,815	15,068	17,231	19,818	22,681	
Industrial		2,094	2,634	2,953	3,244	3,525	3,766	4,091	
Steam-Electric		129	10,065	14,407	16,844	19,814	23,435	27,848	
Irrigation		762	933	832	737	646	619	614	
Mining		256	290	305	313	321	328	335	
Livestock		793	793	793	793	793	793	793	
Total Guadalupe Basin Demand		13,193	25,501	32,105	36,999	42,330	48,759	56,362	
<b>Total Basin Supply</b>									
<b>San Antonio</b>									
Municipal		8,226	8,226	8,226	8,226	8,226	8,226	8,226	
Industrial		4	4	4	4	4	4	4	
Steam-Electric		0	0	0	0	0	0	0	
Irrigation		113	137	123	109	96	91	91	
Mining		14	16	16	17	17	18	18	
Livestock		264	264	264	264	264	264	264	
Total San Antonio Basin Supply		8,621	8,647	8,633	8,620	8,607	8,603	8,603	
<b>Guadalupe</b>									
Municipal		21,898	21,897	21,900	21,904	21,907	21,910	21,913	
Industrial		1,508	1,508	1,508	1,508	1,508	1,508	1,508	
Steam-Electric		6,840	6,840	6,840	6,840	6,840	6,840	6,840	
Irrigation		1,641	1,660	1,649	1,638	1,628	1,625	1,625	
Mining		256	290	305	313	321	328	335	
Livestock		793	793	793	793	793	793	793	
Total Guadalupe Basin Supply		32,936	32,988	32,995	32,996	32,997	33,004	33,014	
<b>Total Basin Surplus/Shortage</b>									
<b>San Antonio</b>									
Municipal		3,535	1,899	-126	-2,301	-4,450	-6,936	-9,626	
Industrial		1	0	0	-1	-1	-1	-2	
Steam-Electric		0	0	0	0	0	0	0	
Irrigation		0	0	0	0	0	0	0	
Mining		0	0	0	0	0	0	0	
Livestock		0	0	0	0	0	0	0	
Total San Antonio Basin Surplus/Shortage		3,536	1,899	-126	-2,302	-4,451	-6,937	-9,628	
<b>Guadalupe</b>									
Municipal		12,739	11,111	9,085	6,836	4,676	2,092	-768	
Industrial		-586	-1,126	-1,445	-1,736	-2,017	-2,258	-2,583	
Steam-Electric		6,711	-3,225	-7,567	-10,004	-12,974	-16,595	-21,008	
Irrigation		879	727	817	901	982	1,006	1,011	
Mining		0	0	0	0	0	0	0	
Livestock		0	0	0	0	0	0	0	
Total Guadalupe Basin Surplus/Shortage		19,743	7,487	890	-4,003	-9,333	-15,755	-23,348	

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Guadalupe County									
South Central Texas Region									
Basin	Source	Total in	Projections						
		2000 (acft)	2010 (acft)	2020 (acft)	2030 (acft)	2040 (acft)	2050 (acft)	2060 (acft)	
Groundwater Supplies									
<b>Available</b>									
Guadalupe	Edwards	150	150	150	150	150	150	150	150
San Antonio	Edwards	2	2	2	2	2	2	2	2
Guadalupe	Carrizo	9,573	9,573	9,573	7,568	7,568	7,568	7,568	7,568
San Antonio	Carrizo	3,010	3,010	3,010	2,379	2,379	2,379	2,379	2,379
Total Available		12,735	12,735	12,735	10,099	10,099	10,099	10,099	10,099
<b>Allocated</b>									
Guadalupe	Edwards	150	150	150	150	150	150	150	150
San Antonio	Edwards	2	2	2	2	2	2	2	2
Guadalupe	Carrizo	862	915	919	916	914	918	925	925
San Antonio	Carrizo	275	301	287	274	261	257	257	257
Total Allocated		1,289	1,368	1,358	1,342	1,327	1,327	1,334	1,334
Total Unallocated		11,446	11,367	11,377	8,757	8,772	8,772	8,765	8,765