

Table 4-12
Projected Water Demands, Supplies, and Needs
Hays County (Part)
South Central Texas Region

Basin	Source	Projections						
		Total in 2000 (acft)	2010 (acft)	2020 (acft)	2030 (acft)	2040 (acft)	2050 (acft)	2060 (acft)
Municipal Demand								
Guadalupe Basin								
County Line WSC		252	947	1,999	2,319	2,393	2,612	2,982
Creedmore-Maha WSC		8	10	12	15	17	20	23
Crystal Clear WSC		349	485	639	806	959	1,165	1,327
Goforth WSC		666	972	1,340	1,704	2,075	2,545	2,914
Kyle		702	2,740	3,940	4,217	4,377	4,874	5,203
Maxwell WSC		117	157	200	249	294	354	402
Mountain City		22	45	71	98	124	157	183
Niederwald		65	104	147	194	238	294	338
Plum Creek Water Company		392	566	762	963	1,168	1,427	1,630
San Marcos		5,914	8,038	11,198	14,371	17,824	21,559	24,439
Wimberley WSC		578	776	997	1,224	1,442	1,736	1,966
Woodcreek		188	246	315	385	452	540	610
Woodcreek Utilities		400	748	1,145	1,564	1,974	2,477	2,873
Rural		1,273	1,444	1,644	1,855	2,077	2,361	2,584
	Subtotal	10,926	17,278	24,409	29,964	35,414	42,121	47,474
Total Municipal Demand		10,926	17,278	24,409	29,964	35,414	42,121	47,474
Municipal Existing Supply								
Guadalupe Basin								
County Line WSC	Edwards	36	36	36	36	36	36	36
	Canyon (CRWA)	749	749	749	749	749	749	749
County Line WSC Subtotal		785	785	785	785	785	785	785
Creedmore-Maha WSC	Edwards (Barton Springs)	31	31	31	31	31	31	31
Crystal Clear WSC	Edwards	136	136	136	136	136	136	136
	Canyon (GBRA)	182	182	182	182	182	182	182
Crystal Clear WSC Subtotal		318	318	318	318	318	318	318
Goforth WSC	Edwards (Barton Springs)	922	922	922	922	922	922	922
Kyle	Edwards	296	296	296	296	296	296	296
	Edwards (Barton Springs)	507	507	507	507	507	507	507
	Canyon (GBRA)	589	589	589	589	589	589	589
Kyle Subtotal		1,392	1,392	1,392	1,392	1,392	1,392	1,392
Maxwell WSC	Edwards	52	52	52	52	52	52	52
Mountain City	Edwards (Barton Springs)	133	133	133	133	133	133	133
Niederwald	estimate Carrizo (Caldwell)	81	81	81	81	81	81	81
Plum Creek Water Company	Edwards (Barton Springs)	689	689	689	689	689	689	689
San Marcos	Edwards	3,534	3,534	3,534	3,534	3,534	3,534	3,534
	ROR (Guadalupe)	513	513	513	513	513	513	513
	Canyon (GBRA)	5,000	5,000	5,000	5,000	5,000	5,000	5,000
San Marcos Subtotal		9,047	9,047	9,047	9,047	9,047	9,047	9,047
Wimberley WSC	Trinity	602	599	597	596	595	488	487
Woodcreek	Trinity	129	128	128	128	127	104	104
Woodcreek Utilities	Trinity	275	273	273	272	272	222	222
Rural	Edwards	299	299	299	299	299	299	299
	Trinity	153	152	152	152	151	124	124
	Run-of-River	376	376	376	376	376	376	376
Rural Subtotal		828	827	827	827	826	799	799
	Subtotal	15,283	15,276	15,274	15,272	15,269	15,062	15,061
Total Municipal Existing Supply		15,283	15,276	15,274	15,272	15,269	15,062	15,061

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		Total in 2000 (acft)	2010 (acft)	2020 (acft)	2030 (acft)	2040 (acft)	2050 (acft)	2060 (acft)
Municipal Surplus/Shortage								
Guadalupe Basin								
County Line WSC		533	-162	-1,214	-1,534	-1,608	-1,827	-2,197
Creedmore-Maha WSC		23	21	19	16	14	11	8
Crystal Clear WSC		-31	-167	-321	-488	-641	-847	-1,009
Goforth WSC		256	-50	-418	-782	-1,153	-1,623	-1,992
Kyle		690	-1,348	-2,548	-2,825	-2,985	-3,482	-3,811
Maxwell WSC		-65	-105	-148	-197	-242	-302	-350
Mountain City		111	88	62	35	9	-24	-50
Niederwald		16	-23	-66	-113	-157	-213	-257
Plum Creek Water Company		297	123	-73	-274	-479	-738	-941
San Marcos		3,133	1,009	-2,151	-5,324	-8,777	-12,512	-15,392
Wimberley WSC		24	-177	-400	-628	-847	-1,248	-1,479
Woodcreek		-59	-118	-187	-257	-325	-436	-506
Woodcreek Utilities		-125	-475	-872	-1,292	-1,702	-2,255	-2,651
Rural		-445	-617	-817	-1,028	-1,251	-1,562	-1,785
	Subtotal	3,577	-1,643	-7,200	-11,903	-16,756	-22,772	-27,222
Total Municipal Surplus/Shortage		3,577	-1,643	-7,200	-11,903	-16,756	-22,772	-27,222
Municipal New Supply Need								
Guadalupe Basin								
County Line WSC		0	162	1,214	1,534	1,608	1,827	2,197
Creedmore-Maha WSC		0	0	0	0	0	0	0
Crystal Clear WSC		31	167	321	488	641	847	1,009
Goforth WSC		0	50	418	782	1,153	1,623	1,992
Kyle		0	1,348	2,548	2,825	2,985	3,482	3,811
Maxwell WSC		65	105	148	197	242	302	350
Mountain City		0	0	0	0	0	24	50
Niederwald		0	23	66	113	157	213	257
Plum Creek Water Company		0	0	73	274	479	738	941
San Marcos		0	0	2,151	5,324	8,777	12,512	15,392
Wimberley WSC		0	177	400	628	847	1,248	1,479
Woodcreek		59	118	187	257	325	436	506
Woodcreek Utilities		125	475	872	1,292	1,702	2,255	2,651
Rural		445	617	817	1,028	1,251	1,562	1,785
	Subtotal	725	3,243	9,216	14,743	20,168	27,070	32,421
Total Municipal New Supply Need		725	3,243	9,216	14,743	20,168	27,070	32,421
Industrial Demand								
Guadalupe Basin								
Total Industrial Demand		157	212	249	285	322	355	386
Industrial Existing Supply								
Guadalupe Basin								
	Edwards	1,752	1,752	1,752	1,752	1,752	1,752	1,752
	Run-of-River	571	571	571	571	571	571	571
Total Industrial Existing Supply		2,323	2,323	2,323	2,323	2,323	2,323	2,323
Industrial Surplus/Shortage								
Guadalupe Basin								
Total Industrial Surplus/Shortage		2,166	2,111	2,074	2,038	2,001	1,968	1,937
Industrial New Supply Need								
Guadalupe Basin								
Total Industrial New Supply Need		0	0	0	0	0	0	0

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Livestock Surplus/Shortage								
Guadalupe Basin		0	0	0	0	0	0	0
Total Livestock Surplus/Shortage		0	0	0	0	0	0	0
Livestock New Supply Need								
Guadalupe Basin		0	0	0	0	0	0	0
Total Livestock New Supply Need		0	0	0	0	0	0	0
Total Hays County Demand								
Municipal		10,926	17,278	24,409	29,964	35,414	42,121	47,474
Industrial		157	212	249	285	322	355	386
Steam-Electric		0	5,331	7,631	8,922	10,495	12,413	14,751
Irrigation		162	353	350	347	344	341	338
Mining		129	142	151	157	161	162	163
Livestock		280	280	280	280	280	280	280
Total County Demand		11,654	23,596	33,070	39,955	47,016	55,672	63,392
Total Hays County Supply								
Municipal		15,283	15,276	15,274	15,272	15,269	15,062	15,061
Industrial		2,323	2,323	2,323	2,323	2,323	2,323	2,323
Steam-Electric		2,464	6,400	6,400	6,400	6,400	6,400	6,400
Irrigation		864	864	864	864	864	864	864
Mining		55	60	64	66	67	56	56
Livestock		280	280	280	280	280	280	280
Total County Supply		21,269	25,203	25,205	25,205	25,203	24,985	24,984
Total Hays County Surplus/Shortage								
Municipal		4,357	-2,002	-9,135	-14,692	-20,145	-27,059	-32,413
Industrial		2,166	2,111	2,074	2,038	2,001	1,968	1,937
Steam-Electric		2,464	1,069	-1,231	-2,522	-4,095	-6,013	-8,351
Irrigation		702	511	514	517	520	523	526
Mining		-74	-82	-87	-91	-94	-106	-107
Livestock		0	0	0	0	0	0	0
Total County Surplus/Shortage		9,615	1,607	-7,865	-14,750	-21,813	-30,687	-38,408
Total Basin Demand								
Guadalupe								
Municipal		10,926	17,278	24,409	29,964	35,414	42,121	47,474
Industrial		157	212	249	285	322	355	386
Steam-Electric		0	5,331	7,631	8,922	10,495	12,413	14,751
Irrigation		162	353	350	347	344	341	338
Mining		129	142	151	157	161	162	163
Livestock		280	280	280	280	280	280	280
Total Guadalupe Basin Demand		11,654	23,596	33,070	39,955	47,016	55,672	63,392
Total Basin Supply								
Guadalupe								
Municipal		15,283	15,276	15,274	15,272	15,269	15,062	15,061
Industrial		2,323	2,323	2,323	2,323	2,323	2,323	2,323
Steam-Electric		2,464	6,400	6,400	6,400	6,400	6,400	6,400
Irrigation		864	864	864	864	864	864	864
Mining		55	60	64	66	67	56	56
Livestock		280	280	280	280	280	280	280
Total Guadalupe Basin Supply		21,269	25,203	25,205	25,205	25,203	24,985	24,984

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Total Basin Surplus/Shortage								
Guadalupe								
Municipal		4,357	-2,002	-9,135	-14,692	-20,145	-27,059	-32,413
Industrial		2,166	2,111	2,074	2,038	2,001	1,968	1,937
Steam-Electric		2,464	1,069	-1,231	-2,522	-4,095	-6,013	-8,351
Irrigation		702	511	514	517	520	523	526
Mining		-74	-82	-87	-91	-94	-106	-107
Livestock		0	0	0	0	0	0	0
Total Guadalupe Basin Surplus/Shortage		9,615	1,607	-7,865	-14,750	-21,813	-30,687	-38,408
Groundwater Supplies								
Available								
Guadalupe	Edwards	7,234	7,234	7,234	7,234	7,234	7,234	7,234
Guadalupe	Trinity	1,213	1,213	1,213	1,213	1,213	994	994
Total Available		8,447	8,447	8,447	8,447	8,447	8,228	8,228
Allocated								
Guadalupe	Edwards	7,234	7,234	7,234	7,234	7,234	7,234	7,234
Guadalupe	Trinity	1,213	1,213	1,213	1,213	1,213	994	994
Total Allocated		8,447	8,447	8,447	8,447	8,447	8,228	8,228
Total Unallocated		0	0	0	0	0	0	0