

Table 4-1									
Projected Water Demands, Supplies, and Needs									
Atascosa County									
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									
Nueces Basin									
Benton City WSC		464	710	963	1,185	1,353	1,506	1,617	
Bexar Met Water District		389	505	621	715	780	843	895	
Charlotte		282	296	312	324	332	342	350	
Jourdanton		740	801	861	914	955	994	1,026	
Lytle		399	412	423	433	439	448	456	
McCoy WSC		760	1,065	1,381	1,643	1,851	2,042	2,181	
Pleasanton		1,833	1,906	1,969	2,027	2,063	2,109	2,151	
Poteet		729	735	741	740	740	745	752	
Rural		569	432	328	242	172	124	94	
	Subtotal	6,165	6,862	7,599	8,223	8,685	9,153	9,522	
San Antonio Basin									
Benton City WSC		40	62	84	103	118	131	141	
Rural		24	17	13	9	6	4	3	
	Subtotal	64	79	97	112	124	135	144	
Total Municipal Demand		6,229	6,941	7,696	8,335	8,809	9,288	9,666	
Municipal Existing Supply									
Nueces Basin									
Benton City WSC	Carrizo	831	831	831	831	831	831	831	
Bexar Met Water District	ROR (San Antonio)	186	186	186	186	186	186	186	
Charlotte	Carrizo	1,082	971	994	1,017	1,040	1,064	1,088	
Jourdanton	Carrizo	1,755	1,576	1,612	1,650	1,688	1,726	1,764	
Lytle	Edwards	281	281	281	281	281	281	281	
McCoy WSC	Carrizo	616	553	566	580	593	606	620	
Pleasanton	Carrizo	2,754	2,472	2,530	2,589	2,648	2,708	2,769	
Poteet	Carrizo	944	848	867	888	908	929	949	
Rural	Carrizo	352	316	324	331	339	347	354	
Rural	Sparta	196	172	177	182	188	193	198	
	Rural Subtotal	548	488	501	513	527	540	552	
	Subtotal	8,997	8,206	8,368	8,535	8,702	8,871	9,040	
San Antonio Basin									
Benton City WSC	Carrizo	72	72	72	72	72	72	72	
Rural	Carrizo	16	14	15	15	16	16	17	
	Subtotal	88	86	87	87	88	88	89	
Total Existing Municipal Supply		9,085	8,292	8,455	8,622	8,790	8,959	9,129	
Municipal Surplus/Shortage									
Nueces Basin									
Benton City WSC		367	121	-132	-354	-522	-675	-786	
Bexar Met Water District		-203	-319	-435	-529	-594	-657	-709	
Charlotte		800	675	682	693	708	722	738	
Jourdanton		1,015	775	751	736	733	732	738	
Lytle		-118	-131	-142	-152	-158	-167	-175	
McCoy WSC		-144	-512	-815	-1,063	-1,258	-1,436	-1,561	
Pleasanton		921	566	561	562	585	599	618	
Poteet		215	113	126	148	168	184	197	
Rural		-21	56	173	271	355	416	458	
	Subtotal	2,832	1,344	769	312	17	-282	-482	

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Atascosa County
South Central Texas Region

Basin	Source	Projections						
		Total in 2000 (acft)	2010 (acft)	2020 (acft)	2030 (acft)	2040 (acft)	2050 (acft)	2060 (acft)
San Antonio Basin								
Benton City WSC		32	10	-12	-31	-46	-59	-69
Rural		-8	-3	2	6	10	12	14
Subtotal		24	7	-10	-25	-36	-47	-55
Total Municipal Surplus/Shortage		2,856	1,351	759	287	-19	-329	-537
Municipal New Supply Need								
Nueces Basin								
Benton City WSC		0	0	132	354	522	675	786
Bexar Met Water District		203	319	435	529	594	657	709
Charlotte		0	0	0	0	0	0	0
Jourdanton		0	0	0	0	0	0	0
Lytle		118	131	142	152	158	167	175
McCoy WSC		144	512	815	1,063	1,258	1,436	1,561
Pleasanton		0	0	0	0	0	0	0
Poteet		0	0	0	0	0	0	0
Rural		21	0	0	0	0	0	0
Subtotal		486	962	1,524	2,098	2,532	2,935	3,231
San Antonio Basin								
Benton City WSC		0	0	12	31	46	59	69
Rural		8	3	0	0	0	0	0
Subtotal		8	3	12	31	46	59	69
Total Municipal New Supply Need		494	965	1,536	2,129	2,578	2,994	3,300
Industrial Demand								
Nueces Basin		6	6	6	6	6	6	6
San Antonio Basin		0	0	0	0	0	0	0
Total Industrial Demand		6	6	6	6	6	6	6
Industrial Existing Supply								
Nueces Basin	Carrizo	8	7	7	7	7	7	8
San Antonio Basin		0	0	0	0	0	0	0
Total Industrial Supply		8	7	7	7	7	7	8
Industrial Surplus/Shortage								
Nueces Basin		2	1	1	1	1	1	2
San Antonio Basin		0	0	0	0	0	0	0
Total Industrial Surplus/Shortage		2	1	1	1	1	1	2
Industrial New Supply Need								
Nueces Basin		0	0	0	0	0	0	0
San Antonio Basin		0	0	0	0	0	0	0
Total Industrial New Supply Need		0	0	0	0	0	0	0
Steam-Electric Demand								
Nueces Basin		5,814	5,884	5,954	6,962	8,189	9,685	11,510
San Antonio Basin		0	0	0	0	0	0	0
Total Steam-Electric Demand		5,814	5,884	5,954	6,962	8,189	9,685	11,510

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Atascosa County									
South Central Texas Region									
Basin	Source	Projections							
		Total in	2000	2010	2020	2030	2040	2050	2060
		(acft)	(acft)	(acft)	(acft)	(acft)	(acft)	(acft)	(acft)
Steam-Electric Existing Supply									
Nueces Basin	Carrizo	7,372	6,619	6,773	6,932	7,091	7,251	7,412	
San Antonio Basin		0	0	0	0	0	0	0	
Total Steam-Electric Existing Supply		7,372	6,619	6,773	6,932	7,091	7,251	7,412	
Steam-Electric Surplus/Shortage									
Nueces Basin		1,558	735	819	-30	-1,098	-2,434	-4,098	
San Antonio Basin		0	0	0	0	0	0	0	
Total Steam-Electric Surplus/Shortage		1,558	735	819	-30	-1,098	-2,434	-4,098	
Steam-Electric New Supply Need									
Nueces Basin		0	0	0	30	1098	2,434	4,098	
San Antonio Basin		0	0	0	0	0	0	0	
Total Steam-Electric New Supply Need		0	0	0	30	1,098	2,434	4,098	
Irrigation Demand									
Nueces Basin		34,107	39,782	38,442	37,154	35,914	34,723	33,570	
San Antonio Basin		946	1,103	1,067	1,031	997	963	932	
Total Irrigation Demand		35,053	40,885	39,509	38,185	36,911	35,686	34,502	
Irrigation Supply									
Nueces Basin	Edwards	1,168	1,168	1,168	1,168	1,168	1,168	1,168	
	Run-of-River	1	1	1	1	1	1	1	
	Carrizo	31,671	33,168	32,797	32,438	32,076	31,712	31,342	
	Sparta	954	978	973	968	962	957	952	
	Queen City	3,411	3,819	3,775	3,715	3,591	3,472	3,357	
	Subtotal	37,205	39,134	38,714	38,290	37,798	37,310	36,820	
San Antonio Basin	Edwards	547	547	547	547	547	547	547	
	Carrizo	502	504	503	503	502	502	501	
	Subtotal	1,049	1,051	1,050	1,050	1,049	1,049	1,048	
Total Irrigation Supply		38,254	40,185	39,764	39,340	38,847	38,359	37,868	
Irrigation Surplus/Shortage									
Nueces Basin		3,098	-648	272	1,136	1,884	2,587	3,250	
San Antonio Basin		103	-52	-17	19	52	86	116	
Total Irrigation Surplus/Shortage		3,201	-700	255	1,155	1,936	2,673	3,366	
Irrigation New Supply Need									
Nueces Basin		0	648	0	0	0	0	0	
San Antonio Basin		0	52	17	0	0	0	0	
Total Irrigation New Supply Need		0	700	17	0	0	0	0	
Mining Demand									
Nueces Basin		1,125	1,298	1,370	1,405	1,439	1,472	1,509	
San Antonio Basin		0	0	0	0	0	0	0	
Total Mining Demand		1,125	1,298	1,370	1,405	1,439	1,472	1,509	
Mining Supply									
Nueces Basin	Carrizo	713	739	798	838	878	918	962	
	Queen City	506	561	605	632	648	662	679	
	Subtotal	1,219	1,300	1,403	1,470	1,526	1,580	1,641	
San Antonio Basin		0	0	0	0	0	0	0	
Total Mining Supply		1,219	1,300	1,403	1,470	1,526	1,580	1,641	

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Atascosa County									
South Central Texas Region									
Basin	Source	Projections							
		Total in	2000	2010	2020	2030	2040	2050	2060
		(acft)	(acft)	(acft)	(acft)	(acft)	(acft)	(acft)	(acft)
Mining Surplus/Shortage									
Nueces Basin		94	2	33	65	87	108	132	
San Antonio Basin		0	0	0	0	0	0	0	
Total Mining Surplus/Shortage		94	2	33	65	87	108	132	
Mining New Supply Need									
Nueces Basin		0	0	0	0	0	0	0	
San Antonio Basin		0	0	0	0	0	0	0	
Total Mining New Supply Need		0	0	0	0	0	0	0	
Livestock Demand									
Nueces Basin		1,675	1,675	1,675	1,675	1,675	1,675	1,675	
San Antonio Basin		70	70	70	70	70	70	70	
Total Livestock Demand		1,745	1,745	1,745	1,745	1,745	1,745	1,745	
Livestock Supplies									
Nueces Basin	Local	1,675	1,675	1,675	1,675	1,675	1,675	1,675	
San Antonio Basin	Local	70	70	70	70	70	70	70	
Total Livestock Supply		1,745	1,745	1,745	1,745	1,745	1,745	1,745	
Livestock Surplus/Shortage									
Nueces Basin		0	0	0	0	0	0	0	
San Antonio Basin		0	0	0	0	0	0	0	
Total Livestock Surplus/Shortage		0	0	0	0	0	0	0	
Livestock New Supply Need									
Nueces Basin		0	0	0	0	0	0	0	
San Antonio Basin		0	0	0	0	0	0	0	
Total Livestock New Supply Need		0	0	0	0	0	0	0	
Total County Demand									
Municipal		6,229	6,941	7,696	8,335	8,809	9,288	9,666	
Industrial		6	6	6	6	6	6	6	
Steam-Electric		5,814	5,884	5,954	6,962	8,189	9,685	11,510	
Irrigation		35,053	40,885	39,509	38,185	36,911	35,686	34,502	
Mining		1,125	1,298	1,370	1,405	1,439	1,472	1,509	
Livestock		1,745	1,745	1,745	1,745	1,745	1,745	1,745	
Total County Demand		49,972	56,759	56,280	56,638	57,099	57,882	58,938	
Total County Supply									
Municipal		9,085	8,292	8,455	8,622	8,790	8,959	9,129	
Industrial		8	7	7	7	7	7	8	
Steam-Electric		7,372	6,619	6,773	6,932	7,091	7,251	7,412	
Irrigation		38,254	40,185	39,764	39,340	38,847	38,359	37,868	
Mining		1,219	1,300	1,403	1,470	1,526	1,580	1,641	
Livestock		1,745	1,745	1,745	1,745	1,745	1,745	1,745	
Total County Supply		57,683	58,148	58,147	58,116	58,006	57,901	57,803	

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Atascosa County									
South Central Texas Region									
Basin	Source	Total in	Projections						
		2000 (acft)	2010 (acft)	2020 (acft)	2030 (acft)	2040 (acft)	2050 (acft)	2060 (acft)	
Total Basin Surplus/Shortage									
Nueces									
Municipal		2,832	1,344	769	312	17	-282	-482	
Industrial		2	1	1	1	1	1	2	
Steam-Electric		1,558	735	819	-30	-1,098	-2,434	-4,098	
Irrigation		3,098	-648	272	1,136	1,884	2,587	3,250	
Mining		94	2	33	65	87	108	132	
Livestock		0	0	0	0	0	0	0	
Total Nueces Basin Supply		7,584	1,434	1,894	1,484	891	-20	-1,196	
San Antonio									
Municipal		24	7	-10	-25	-36	-47	-55	
Industrial		0	0	0	0	0	0	0	
Steam-Electric		0	0	0	0	0	0	0	
Irrigation		103	-52	-17	19	52	86	116	
Mining		0	0	0	0	0	0	0	
Livestock		0	0	0	0	0	0	0	
Total San Antonio Basin Supply		127	-45	-27	-6	16	39	61	
Groundwater Supplies									
Available									
Nueces	Edwards	1,168	1,168	1,168	1,168	1,168	1,168	1,168	
San Antonio	Edwards	547	547	547	547	547	547	547	
Nueces	Carrizo	47,288	47,288	47,288	47,288	47,288	47,288	47,288	
San Antonio	Carrizo	518	518	518	518	518	518	518	
Nueces	Sparta	1,150	1,150	1,150	1,150	1,150	1,150	1,150	
Nueces	Queen City	4,380	4,380	4,380	4,380	4,380	4,380	4,380	
Total Available		55,051	55,051	55,051	55,051	55,051	55,051	55,051	
Allocated									
Nueces	Edwards	1,168	1,168	1,168	1,168	1,168	1,168	1,168	
San Antonio	Edwards	547	547	547	547	547	547	547	
Nueces	Carrizo	47,288	47,288	47,288	47,288	47,288	47,288	47,288	
San Antonio	Carrizo	518	518	518	518	518	518	518	
Nueces	Sparta	1,150	1,150	1,150	1,150	1,150	1,150	1,150	
Nueces	Queen City	3,917	4,380	4,380	4,348	4,239	4,135	4,036	
Total Allocated		54,588	55,051	55,051	55,019	54,910	54,806	54,707	
Total Unallocated		463	0	0	32	141	245	344	