

**Table 4-4
Projected Water Demands, Supplies, and Needs
Calhoun 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								
Guadalupe Basin								
Rural		0	0	0	0	0	0	0
	Subtotal	0	0	0	0	0	0	0
Colorado-Lavaca Coastal Basin								
Point Comfort		140	224	323	500	677	667	667
Rural		111	65	39	23	14	8	5
	Subtotal	251	289	362	523	691	675	672
Lavaca-Guadalupe Coastal Basin								
Calhoun County WS		356	436	516	572	609	618	632
Port Lavaca		1,658	1,769	1,877	1,981	2,079	2,209	2,345
Seadrift		247	252	255	257	256	257	258
Rural (Port O'Conner MUD)		186	198	210	222	234	248	264
	Subtotal	2,447	2,655	2,858	3,032	3,178	3,332	3,499
San Antonio-Nueces Coastal Basin								
Rural		7	4	2	1	1	0	0
	Subtotal	7	4	2	1	1	0	0
Total Municipal Demand		2,705	2,948	3,222	3,556	3,870	4,007	4,171
Municipal Existing Supply								
Guadalupe Basin								
Rural	Run-of-River (GBRA)	69,162	69,162	69,162	69,162	69,162	69,162	69,162
	Subtotal	69,162	69,162	69,162	69,162	69,162	69,162	69,162
Colorado-Lavaca Coastal Basin								
Point Comfort	Lake Texana (LNRA)	178	178	178	178	178	178	178
Rural	Gulf Coast	139	139	139	139	139	139	139
	Subtotal	317	317	317	317	317	317	317
Lavaca-Guadalupe Coastal Basin								
Calhoun County WS	Canyon (GBRA)	500	500	500	500	500	500	500
	Run-of-River (GBRA)	140	140	140	140	140	140	140
	Calhoun County WS Subtotal	640	640	640	640	640	640	640
Port Lavaca	Canyon (GBRA)	1,500	1,500	1,500	1,500	1,500	1,500	1,500
	Run-of-River (GBRA)	940	940	940	940	940	940	940
	Port Lavaca Subtotal	2,440	2,440	2,440	2,440	2,440	2,440	2,440
Seadrift	estimated Gulf Coast	452	452	452	452	452	452	452
Rural (Port O'Conner MUD)	Canyon (GBRA)	60	60	60	60	60	60	60
	Gulf Coast	221	221	221	221	221	221	221
	Rural (Port O'Conner MUD) Subtotal	281	281	281	281	281	281	281
	Subtotal	3,813	3,813	3,813	3,813	3,813	3,813	3,813
San Antonio-Nueces Coastal Basin								
Rural	Gulf Coast	9	9	9	9	9	9	9
	Subtotal	9	9	9	9	9	9	9
Total Municipal Existing Supply		73,301	73,301	73,301	73,301	73,301	73,301	73,301
Municipal Surplus/Shortage								
Guadalupe Basin								
Rural		69,162	69,162	69,162	69,162	69,162	69,162	69,162
	Subtotal	69,162	69,162	69,162	69,162	69,162	69,162	69,162
Colorado-Lavaca Coastal Basin								
Point Comfort		38	-46	-145	-322	-499	-489	-489
Rural		28	74	100	116	125	131	134
	Subtotal	66	28	-45	-206	-374	-358	-355
Lavaca-Guadalupe Coastal Basin								
Calhoun County WS		284	204	124	68	31	22	8
Port Lavaca		782	671	563	459	361	231	95
Seadrift		205	200	197	195	196	195	194
Rural (Port O'Conner MUD)		95	83	71	59	47	33	17
	Subtotal	1,366	1,158	955	781	635	481	314

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Calhoun 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-Nueces Coastal Basin								
Rural		2	5	7	8	8	9	9
	Subtotal	2	5	7	8	8	9	9
Total Municipal Surplus/Shortage		70,596	70,353	70,079	69,745	69,431	69,294	69,130
Municipal New Supply Need								
Guadalupe Basin								
Rural		0	0	0	0	0	0	0
	Subtotal	0	0	0	0	0	0	0
Colorado-Lavaca Coastal Basin								
Point Comfort		0	46	145	322	499	489	489
Rural		0	0	0	0	0	0	0
	Subtotal	0	0	46	145	322	499	489
Lavaca-Guadalupe Coastal Basin								
Calhoun County WS		0	0	0	0	0	0	0
Port Lavaca		0	0	0	0	0	0	0
Seadrift		0	0	0	0	0	0	0
Rural (Port O'Conner MUD)		0	0	0	0	0	0	0
	Subtotal	0	0	0	0	0	0	0
San Antonio-Nueces Coastal Basin								
Rural		0	0	0	0	0	0	0
	Subtotal	0	0	0	0	0	0	0
Total Municipal New Supply Need		0	0	46	145	322	499	489
Industrial Demand								
Guadalupe Basin		136	160	176	190	204	216	232
Colorado-Lavaca Coastal Basin		19,175	22,516	24,810	26,790	28,753	30,486	32,671
Lavaca-Guadalupe Coastal Basin		23,086	27,108	29,781	32,255	34,618	36,704	39,335
San Antonio-Nueces Basin		0	0	0	0	0	0	0
Total Industrial Demand		42,397	49,784	54,767	59,235	63,575	67,406	72,238
Industrial Existing Supply								
Guadalupe Basin	Canyon (GBRA)	1,534	1,534	1,534	1,534	1,534	1,534	1,534
Colorado-Lavaca Coastal Basin	Lake Texana (LNRA)	32,426	32,426	32,426	32,426	32,426	32,426	32,426
	Gulf Coast	249	249	249	249	249	249	249
Colorado-Lavaca Coastal Basin Subtotal		32,675	32,675	32,675	32,675	32,675	32,675	32,675
Lavaca-Guadalupe Coastal Basin	Run-of-River (Guadalupe)	56,011	56,011	56,011	56,011	56,011	56,011	56,011
San Antonio-Nueces Basin		0	0	0	0	0	0	0
Total Industrial Existing Supply		90,220	90,220	90,220	90,220	90,220	90,220	90,220
Industrial Surplus/Shortage								
Guadalupe Basin		1,398	1,374	1,358	1,344	1,330	1,318	1,302
Colorado-Lavaca Coastal Basin		13,500	10,159	7,865	5,885	3,922	2,189	4
Lavaca-Guadalupe Coastal Basin		32,925	28,903	26,230	23,756	21,393	19,307	16,676
San Antonio-Nueces Basin		0	0	0	0	0	0	0
Total Industrial Surplus/Shortage		47,823	40,436	35,453	30,985	26,645	22,814	17,982
Industrial New Supply Need								
Guadalupe Basin		0	0	0	0	0	0	0
Colorado-Lavaca Coastal Basin		0	0	0	0	0	0	0
Lavaca-Guadalupe Coastal Basin		0	0	0	0	0	0	0
San Antonio-Nueces Basin		0	0	0	0	0	0	0
Total Industrial New Supply Need		0	0	0	0	0	0	0

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Basin	Source	Projections						
		Total in 2000 (acft)	2010 (acft)	2020 (acft)	2030 (acft)	2040 (acft)	2050 (acft)	2060 (acft)
Steam-Electric Demand								
Guadalupe Basin		0	0	0	0	0	0	0
Colorado-Lavaca Coastal Basin		684	569	454	530	624	738	877
Lavaca-Guadalupe Coastal Basin		0	0	0	0	0	0	0
San Antonio-Nueces Basin		0	0	0	0	0	0	0
Total Steam-Electric Demand		684	569	454	530	624	738	877
Steam-Electric Existing Supply								
Guadalupe Basin		0	0	0	0	0	0	0
Colorado-Lavaca Coastal Basin	Gulf Coast	889	889	889	889	889	889	889
Lavaca-Guadalupe Coastal Basin		0	0	0	0	0	0	0
San Antonio-Nueces Basin		0	0	0	0	0	0	0
Total Steam-Electric Existing Supply		889	889	889	889	889	889	889
Steam-Electric Surplus/Shortage								
Guadalupe Basin		0	0	0	0	0	0	0
Colorado-Lavaca Coastal Basin		205	320	435	359	265	151	12
Lavaca-Guadalupe Coastal Basin		0	0	0	0	0	0	0
San Antonio-Nueces Basin		0	0	0	0	0	0	0
Total Steam-Electric Surplus/Shortage		205	320	435	359	265	151	12
Steam-Electric New Supply Need								
Guadalupe Basin		0	0	0	0	0	0	0
Colorado-Lavaca Coastal Basin		0	0	0	0	0	0	0
Lavaca-Guadalupe Coastal Basin		0	0	0	0	0	0	0
San Antonio-Nueces Basin		0	0	0	0	0	0	0
Total Steam-Electric New Supply Need		0	0	0	0	0	0	0
Irrigation Demand								
Guadalupe Basin		0	0	0	0	0	0	0
Colorado-Lavaca Coastal Basin		0	0	0	0	0	0	0
Lavaca-Guadalupe Coastal Basin		8,077	15,568	13,654	12,096	11,041	10,285	9,581
San Antonio-Nueces Basin		0	0	0	0	0	0	0
Total Irrigation Demand		8,077	15,568	13,654	12,096	11,041	10,285	9,581
Irrigation Supply								
Guadalupe Basin		0	0	0	0	0	0	0
Colorado-Lavaca Coastal Basin		0	0	0	0	0	0	0
Lavaca-Guadalupe Coastal Basin	Run-of-River (Guadalupe)	23,058	23,058	23,058	23,058	23,058	23,058	23,058
San Antonio-Nueces Basin		0	0	0	0	0	0	0
Total Irrigation Supply		23,058	23,058	23,058	23,058	23,058	23,058	23,058
Irrigation Surplus/Shortage								
Guadalupe Basin		0	0	0	0	0	0	0
Colorado-Lavaca Coastal Basin		0	0	0	0	0	0	0
Lavaca-Guadalupe Coastal Basin		14,981	7,490	9,404	10,962	12,017	12,773	13,477
San Antonio-Nueces Basin		0	0	0	0	0	0	1
Total Irrigation Surplus/Shortage		14,981	7,490	9,404	10,962	12,017	12,773	13,478
Irrigation New Supply Need								
Guadalupe Basin		0	0	0	0	0	0	0
Colorado-Lavaca Coastal Basin		0	0	0	0	0	0	0
Lavaca-Guadalupe Coastal Basin		0	0	0	0	0	0	0
San Antonio-Nueces Basin		0	0	0	0	0	0	0
Total Irrigation New Supply Need		0	0	0	0	0	0	0

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South Central Texas Region

Basin	Source	Total in	Projections					
		2000 (acft)	2010 (acft)	2020 (acft)	2030 (acft)	2040 (acft)	2050 (acft)	2060 (acft)
Mining Demand								
Guadalupe Basin		13	15	16	17	17	18	18
Colorado-Lavaca Coastal Basin		1	1	1	1	1	1	1
Lavaca-Guadalupe Coastal Basin		6	7	8	8	8	8	8
San Antonio-Nueces Basin		8	9	10	10	11	11	11
Total Mining Demand		28	32	35	36	37	38	38
Mining Supply								
Guadalupe Basin	Gulf Coast	13	15	16	17	17	18	18
Colorado-Lavaca Coastal Basin	Gulf Coast	1	1	1	1	1	1	1
Lavaca-Guadalupe Coastal Basin	Gulf Coast	6	7	8	8	8	8	8
San Antonio-Nueces Basin	Gulf Coast	8	9	10	10	11	11	11
Total Mining Supply		28	32	35	36	37	38	38
Mining Surplus/Shortage								
Guadalupe Basin		0	0	0	0	0	0	0
Colorado-Lavaca Coastal Basin		0	0	0	0	0	0	0
Lavaca-Guadalupe Coastal Basin		0	0	0	0	0	0	0
San Antonio-Nueces Basin		0	0	0	0	0	0	0
Total Mining Surplus/Shortage		0	0	0	0	0	0	0
Mining New Supply Need								
Guadalupe Basin		0	0	0	0	0	0	0
Colorado-Lavaca Coastal Basin		0	0	0	0	0	0	0
Lavaca-Guadalupe Coastal Basin		0	0	0	0	0	0	0
San Antonio-Nueces Basin		0	0	0	0	0	0	0
Total Mining New Supply Need		0	0	0	0	0	0	0
Livestock Demand								
Guadalupe Basin		3	3	3	3	3	3	3
Colorado-Lavaca Coastal Basin		17	17	17	17	17	17	17
Lavaca-Guadalupe Coastal Basin		322	322	322	322	322	322	322
San Antonio-Nueces Basin		0	0	0	0	0	0	0
Total Livestock Demand		342	342	342	342	342	342	342
Livestock Supply								
Guadalupe Basin	Local	3	3	3	3	3	3	3
Colorado-Lavaca Coastal Basin	Local	17	17	17	17	17	17	17
Lavaca-Guadalupe Coastal Basin	Local	322	322	322	322	322	322	322
San Antonio-Nueces Basin	Local	0	0	0	0	0	0	0
Total Livestock Supply		342	342	342	342	342	342	342
Livestock Surplus/Shortage								
Guadalupe Basin		0	0	0	0	0	0	0
Colorado-Lavaca Coastal Basin		0	0	0	0	0	0	0
Lavaca-Guadalupe Coastal Basin		0	0	0	0	0	0	0
San Antonio-Nueces 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
Colorado-Lavaca Coastal Basin		0	0	0	0	0	0	0
Lavaca-Guadalupe Coastal Basin		0	0	0	0	0	0	0
San Antonio-Nueces Basin		0	0	0	0	0	0	0
Total Livestock New Supply Need		0	0	0	0	0	0	0

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Calhoun County
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Basin	Source	Projections						
		Total in 2000 (acft)	2010 (acft)	2020 (acft)	2030 (acft)	2040 (acft)	2050 (acft)	2060 (acft)
Total Calhoun County Demand								
Municipal		2,705	2,948	3,222	3,556	3,870	4,007	4,171
Industrial		42,397	49,784	54,767	59,235	63,575	67,406	72,238
Steam-Electric		684	569	454	530	624	738	877
Irrigation		8,077	15,568	13,654	12,096	11,041	10,285	9,581
Mining		28	32	35	36	37	38	38
Livestock		342	342	342	342	342	342	342
Total County Demand		54,233	69,243	72,474	75,795	79,489	82,816	87,247
Total Calhoun County Supply								
Municipal		73,301	73,301	73,301	73,301	73,301	73,301	73,301
Industrial		90,220	90,220	90,220	90,220	90,220	90,220	90,220
Steam-Electric		889	889	889	889	889	889	889
Irrigation		23,058	23,058	23,058	23,058	23,058	23,058	23,058
Mining		28	32	35	36	37	38	38
Livestock		342	342	342	342	342	342	342
Total County Supply		187,838	187,842	187,845	187,846	187,847	187,848	187,848
Total Calhoun County Surplus/Shortage								
Municipal		70,596	70,353	70,079	69,745	69,431	69,294	69,130
Industrial		47,823	40,436	35,453	30,985	26,645	22,814	17,982
Steam-Electric		205	320	435	359	265	151	12
Irrigation		14,981	7,490	9,404	10,962	12,017	12,773	13,477
Mining		0	0	0	0	0	0	0
Livestock		0	0	0	0	0	0	0
Total County Surplus/Shortage		133,605	118,599	115,371	112,051	108,358	105,032	100,601
Total Basin Demand								
Guadalupe								
Municipal		0	0	0	0	0	0	0
Industrial		136	160	176	190	204	216	232
Steam-Electric		0	0	0	0	0	0	0
Irrigation		0	0	0	0	0	0	0
Mining		13	15	16	17	17	18	18
Livestock		3	3	3	3	3	3	3
Total Guadalupe Basin Demand		152	178	195	210	224	237	253
Colorado-Lavaca								
Municipal		251	289	362	523	691	675	672
Industrial		19,175	22,516	24,810	26,790	28,753	30,486	32,671
Steam-Electric		684	569	454	530	624	738	877
Irrigation		0	0	0	0	0	0	0
Mining		1	1	1	1	1	1	1
Livestock		17	17	17	17	17	17	17
Total Colorado-Lavaca Basin Demand		20,128	23,392	25,644	27,861	30,086	31,917	34,238
Lavaca-Guadalupe								
Municipal		2,447	2,655	2,858	3,032	3,178	3,332	3,499
Industrial		23,086	27,108	29,781	32,255	34,618	36,704	39,335
Steam-Electric		0	0	0	0	0	0	0
Irrigation		8,077	15,568	13,654	12,096	11,041	10,285	9,581
Mining		6	7	8	8	8	8	8
Livestock		322	322	322	322	322	322	322
Total Lavaca-Guadalupe Basin Demand		33,938	45,660	46,623	47,713	49,167	50,651	52,745

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Basin	Source	Projections						
		Total in 2000 (acft)	2010 (acft)	2020 (acft)	2030 (acft)	2040 (acft)	2050 (acft)	2060 (acft)
San Antonio-Nueces								
Municipal		7	4	2	1	1	0	0
Industrial		0	0	0	0	0	0	0
Steam-Electric		0	0	0	0	0	0	0
Irrigation		0	0	0	0	0	0	0
Mining		8	9	10	10	11	11	11
Livestock		0	0	0	0	0	0	0
Total San Antonio-Nueces Basin Demand		15	13	12	11	12	11	11
Total Basin Supply								
Guadalupe								
Municipal		69,162	69,162	69,162	69,162	69,162	69,162	69,162
Industrial		1,534	1,534	1,534	1,534	1,534	1,534	1,534
Steam-Electric		0	0	0	0	0	0	0
Irrigation		0	0	0	0	0	0	0
Mining		13	15	16	17	17	18	18
Livestock		3	3	3	3	3	3	3
Unallocated Groundwater Supply		29	27	26	25	25	24	24
Total Guadalupe Basin Supply		70,741	70,741	70,741	70,741	70,741	70,741	70,741
Colorado-Lavaca								
Municipal		317	317	317	317	317	317	317
Industrial		32,675	32,675	32,675	32,675	32,675	32,675	32,675
Steam-Electric		889	889	889	889	889	889	889
Irrigation		0	0	0	0	0	0	0
Mining		1	1	1	1	1	1	1
Livestock		17	17	17	17	17	17	17
Unallocated Groundwater Supply		189	189	189	189	189	189	189
Total Colorado-Lavaca Basin Supply		34,088	34,088	34,088	34,088	34,088	34,088	34,088
Lavaca-Guadalupe								
Municipal		3,813	3,813	3,813	3,813	3,813	3,813	3,813
Industrial		56,011	56,011	56,011	56,011	56,011	56,011	56,011
Steam-Electric		0	0	0	0	0	0	0
Irrigation		23,058	23,058	23,058	23,058	23,058	23,058	23,058
Mining		6	7	8	8	8	8	8
Livestock		322	322	322	322	322	322	322
Unallocated Groundwater Supply		655	654	653	653	653	653	653
Total Lavaca-Guadalupe Basin Supply		83,865	83,865	83,865	83,865	83,865	83,865	83,865
San Antonio-Nueces								
Municipal		9	9	9	9	9	9	9
Industrial		0	0	0	0	0	0	0
Steam-Electric		0	0	0	0	0	0	0
Irrigation		0	0	0	0	0	0	0
Mining		8	9	10	10	11	11	11
Livestock		0	0	0	0	0	0	0
Unallocated Groundwater Supply		80	79	78	78	77	77	77
Total San Antonio-Nueces Basin Supply		97	97	97	97	97	97	97
Total Basin Surplus/Shortage								
Guadalupe								
Municipal		69,162	69,162	69,162	69,162	69,162	69,162	69,162
Industrial		1,398	1,374	1,358	1,344	1,330	1,318	1,302
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
Unallocated Groundwater Supply		29	27	26	25	25	24	24
Total Guadalupe Basin Surplus/Shortage		70,589	70,563	70,546	70,531	70,517	70,504	70,488

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Basin	Source	Total in		Projections					
		2000 (acft)	2010 (acft)	2020 (acft)	2030 (acft)	2040 (acft)	2050 (acft)	2060 (acft)	
Colorado-Lavaca									
Municipal		66	28	-45	-206	-374	-358	-355	
Industrial		13,500	10,159	7,865	5,885	3,922	2,189	4	
Steam-Electric		205	320	435	359	265	151	12	
Irrigation		0	0	0	0	0	0	0	
Mining		0	0	0	0	0	0	0	
Livestock		0	0	0	0	0	0	0	
Unallocated Groundwater Supply		189	189	189	189	189	189	189	
Total Colorado-Lavaca Basin Surplus/Shortage		13,960	10,696	8,444	6,227	4,002	2,171	-150	
Lavaca-Guadalupe									
Municipal		1,366	1,158	955	781	635	481	314	
Industrial		32,925	28,903	26,230	23,756	21,393	19,307	16,676	
Steam-Electric		0	0	0	0	0	0	0	
Irrigation		14,981	7,490	9,404	10,962	12,017	12,773	13,477	
Mining		0	0	0	0	0	0	0	
Livestock		0	0	0	0	0	0	0	
Unallocated Groundwater Supply		655	654	653	653	653	653	653	
Total Lavaca-Guadalupe Basin Surplus/Shortage		49,927	38,205	37,242	36,152	34,698	33,214	31,120	
San Antonio-Nueces									
Municipal		2	5	7	8	8	9	9	
Industrial		0	0	0	0	0	0	0	
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	
Unallocated Groundwater Supply		80	79	78	78	77	77	77	
Total San Antonio-Nueces Basin Surplus/Shortage		82	84	85	86	85	86	86	
Groundwater Supplies									
Available									
Guadalupe	Gulf Coast	42	42	42	42	42	42	42	42
Lavaca-Guadalupe	Gulf Coast	1,334	1,334	1,334	1,334	1,334	1,334	1,334	1,334
Colorado-Lavaca	Gulf Coast	1,467	1,467	1,467	1,467	1,467	1,467	1,467	1,467
San Antonio-Nueces	Gulf Coast	97	97	97	97	97	97	97	97
Total Available		2,940	2,940	2,940	2,940	2,940	2,940	2,940	2,940
Allocated									
Guadalupe	Gulf Coast	13	15	16	17	17	18	18	18
Lavaca-Guadalupe	Gulf Coast	679	680	681	681	681	681	681	681
Colorado-Lavaca	Gulf Coast	1,278	1,278	1,278	1,278	1,278	1,278	1,278	1,278
San Antonio-Nueces	Gulf Coast	17	18	19	19	20	20	20	20
Total Allocated		1,987	1,991	1,994	1,995	1,996	1,997	1,997	1,997
Total Unallocated		953	949	946	945	944	943	943	943