

Table 4-21
Projected Water Demands, Supplies, and Needs
Zavala County
South Central Texas Region

Basin	Source	Total in	Projections					
		2000 (acft)	2010 (acft)	2020 (acft)	2030 (acft)	2040 (acft)	2050 (acft)	2060 (acft)
Municipal Demand								
Nueces Basin								
Crystal City		2,175	2,247	2,272	2,343	2,337	2,349	2,370
Rural		741	864	1,028	1,134	1,241	1,327	1,371
Subtotal		2,916	3,111	3,300	3,477	3,578	3,676	3,741
Total Municipal Demand		2,916	3,111	3,300	3,477	3,578	3,676	3,741
Municipal Existing Supply								
Nueces Basin								
Crystal City	Carrizo	3,711	3,704	3,711	3,711	3,711	3,711	3,711
Rural	Carrizo	1,400	1,397	1,400	1,400	1,400	1,400	1,400
Subtotal		5,111	5,101	5,111	5,111	5,111	5,111	5,111
Total Municipal Existing Supply		5,111	5,101	5,111	5,111	5,111	5,111	5,111
Municipal Surplus/Shortage								
Nueces Basin								
Crystal City		1,536	1,457	1,439	1,368	1,374	1,362	1,341
Rural		659	533	372	266	159	73	29
Subtotal		2,195	1,990	1,811	1,634	1,533	1,435	1,370
Total Municipal Surplus/Shortage		2,195	1,990	1,811	1,634	1,533	1,435	1,370
Municipal New Supply Need								
Nueces Basin								
Crystal City		0	0	0	0	0	0	0
Rural		0	0	0	0	0	0	0
Subtotal		0	0	0	0	0	0	0
Total Municipal New Supply Need		0	0	0	0	0	0	0
Industrial Demand								
Nueces Basin								
Total Industrial Demand		922	1,043	1,106	1,154	1,200	1,238	1,315
Total Industrial Demand		922	1,043	1,106	1,154	1,200	1,238	1,315
Industrial Existing Supply								
Nueces Basin								
Total Industrial Existing Supply	Carrizo	1,320	1,317	1,320	1,320	1,320	1,320	1,320
Total Industrial Existing Supply		1,320	1,317	1,320	1,320	1,320	1,320	1,320
Industrial Surplus/Shortage								
Nueces Basin								
Total Industrial Surplus/Shortage		398	274	214	166	120	82	5
Total Industrial Surplus/Shortage		398	274	214	166	120	82	5
Industrial New Supply Need								
Nueces Basin								
Total Industrial New Supply Need		0	0	0	0	0	0	0
Total Industrial New Supply Need		0	0	0	0	0	0	0

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Steam-Electric Demand								
Nueces Basin		0	0	0	0	0	0	0
Total Steam-Electric Demand		0	0	0	0	0	0	0
Steam-Electric Existing Supply								
Nueces Basin		0	0	0	0	0	0	0
Total Steam-Electric Existing Supply		0	0	0	0	0	0	0
Steam-Electric Surplus/Shortage								
Nueces Basin		0	0	0	0	0	0	0
Total Steam-Electric Surplus/Shortage		0	0	0	0	0	0	0
Steam-Electric New Supply Need								
Nueces Basin		0	0	0	0	0	0	0
Total Steam-Electric New Supply Need		0	0	0	0	0	0	0
Irrigation Demand								
Nueces Basin		46,275	71,800	68,963	66,238	63,621	61,107	58,692
Total Irrigation Demand		46,275	71,800	68,963	66,238	63,621	61,107	58,692
Irrigation Supply								
Nueces Basin	Carrizo	23,930	23,935	23,919	23,917	23,916	23,915	23,914
Total Irrigation Supply		23,930	23,935	23,919	23,917	23,916	23,915	23,914
Irrigation Surplus/Shortage								
Nueces Basin		-22,345	-47,865	-45,044	-42,321	-39,705	-37,192	-34,778
Total Irrigation Surplus/Shortage		-22,345	-47,865	-45,044	-42,321	-39,705	-37,192	-34,778
Irrigation New Supply Need								
Nueces Basin		22,345	47,865	45,044	42,321	39,705	37,192	34,778
Total Irrigation New Supply Need		22,345	47,865	45,044	42,321	39,705	37,192	34,778
Mining Demand								
Nueces Basin		114	122	125	127	128	129	130
Total Mining Demand		114	122	125	127	128	129	130
Mining Supply								
Nueces Basin	Carrizo	114	122	125	127	128	129	130
Total Mining Supply		114	122	125	127	128	129	130
Mining Surplus/Shortage								
Nueces Basin		0	0	0	0	0	0	0
Total Mining Surplus/Shortage		0	0	0	0	0	0	0
Mining New Supply Need								
Nueces Basin		0	0	0	0	0	0	0
Total Mining New Supply Need		0	0	0	0	0	0	0

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		2000 (acft)	2010 (acft)	2020 (acft)	2030 (acft)	2040 (acft)	2050 (acft)	2060 (acft)
Livestock Demand								
Nueces Basin		756	756	756	756	756	756	756
Total Livestock Demand		756	756	756	756	756	756	756
Livestock Supply								
Nueces Basin	Local	756	756	756	756	756	756	756
Total Livestock Supply		756	756	756	756	756	756	756
Livestock Surplus/Shortage								
Nueces 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
Total Livestock New Supply Need		0	0	0	0	0	0	0
Total Zavala County Demand								
Municipal		2,916	3,111	3,300	3,477	3,578	3,676	3,741
Industrial		922	1,043	1,106	1,154	1,200	1,238	1,315
Steam-Electric		0	0	0	0	0	0	0
Irrigation		46,275	71,800	68,963	66,238	63,621	61,107	58,692
Mining		114	122	125	127	128	129	130
Livestock		756	756	756	756	756	756	756
Total County Demand		50,983	76,832	74,250	71,752	69,283	66,906	64,634
Total Zavala County Supply								
Municipal		5,111	5,101	5,111	5,111	5,111	5,111	5,111
Industrial		1,320	1,317	1,320	1,320	1,320	1,320	1,320
Steam-Electric		0	0	0	0	0	0	0
Irrigation		23,930	23,935	23,919	23,917	23,916	23,915	23,914
Mining		114	122	125	127	128	129	130
Livestock		756	756	756	756	756	756	756
Total County Supply		31,231	31,231	31,231	31,231	31,231	31,231	31,231
Total Zavala County Surplus/Shortage								
Municipal		2,195	1,990	1,811	1,634	1,533	1,435	1,370
Industrial		398	274	214	166	120	82	5
Steam-Electric		0	0	0	0	0	0	0
Irrigation		-22,345	-47,865	-45,044	-42,321	-39,705	-37,192	-34,778
Mining		0	0	0	0	0	0	0
Livestock		0	0	0	0	0	0	0
Total County Surplus/Shortage		-19,752	-45,601	-43,019	-40,521	-38,052	-35,675	-33,403

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Total Basin Demand								
Nueces								
Municipal		2,916	3,111	3,300	3,477	3,578	3,676	3,741
Industrial		922	1,043	1,106	1,154	1,200	1,238	1,315
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Mining		114	122	125	127	128	129	130
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Total Nueces Basin Demand		50,983	76,832	74,250	71,752	69,283	66,906	64,634
Total Basin Supply								
Nueces								
Municipal		5,111	5,101	5,111	5,111	5,111	5,111	5,111
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Municipal		2,195	1,990	1,811	1,634	1,533	1,435	1,370
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Irrigation		-22,345	-47,865	-45,044	-42,321	-39,705	-37,192	-34,778
Mining		0	0	0	0	0	0	0
Livestock		0	0	0	0	0	0	0
Total Nueces Basin Surplus/Shortage		-19,752	-45,601	-43,019	-40,521	-38,052	-35,675	-33,403
Groundwater Supplies								
Available								
Nueces	Carrizo	30,475	30,475	30,475	30,475	30,475	30,475	30,475
Total Available		30,475	30,475	30,475	30,475	30,475	30,475	30,475
Allocated								
Nueces	Carrizo	30,475	30,475	30,475	30,475	30,475	30,475	30,475
Total Allocated		30,475	30,475	30,475	30,475	30,475	30,475	30,475
Total Unallocated		0	0	0	0	0	0	0