APPENDIX A

DB12 SUMMARY TABLES

Summary of Recommended Water Management Strategies
Panhandle Water Planning Area

Entity	County Used	Basin Used	Total Capital Cost	1st Decade Unit Cost	2010	2020	2030	2040	2050	2060	2060 Unit Cost
Muncipal Conservation											
AMARILLO	Potter and Randall	Red and Canadian	$0	$490	0	1,375	2,454	2,640	2,842	3,009	$490
BORGER	Hutchinson	Canadian	$0	$490	0	72	118	114	107	102	$490
CACTUS	Moore	Canadian	$0	$490	0	18	31	31	31	31	$490
CANYON	Randall	Red	$0	$490	0	81	146	159	174	186	$490
COUNTY-OTHER	Moore	Canadian	$0	$490	0	29	63	75	83	87	$490
COUNTY-OTHER	Potter	Canadian	$0	$490	0	41	85	103	124	140	$490
COUNTY-OTHER	Potter	Red	$0	$490	0	28	58	71	85	96	$490
COUNTY-OTHER	Randall	Red	$0	$490	0	101	197	231	268	299	$490
DUMAS	Moore	Canadian	$0	$490	0	89	158	166	171	174	$490
GRUVER	Hansford	Canadian	$0	$490	0	10	16	17	17	17	$490
LEFORS	Gray	Red	$0	$490	0	3	4	4	4	4	$490
MEMPHIS	Hall	Red	$0	$490	0	13	22	22	22	22	$490
PANHANDLE	Carson	Red	$0	$490	0	17	29	28	25	23	$490
PERRYTON	Ochiltree	Canadian	$0	$490	0	64	113	118	120	123	$490
SPEARMAN	Hansford	Canadian	$0	$490	0	22	39	41	42	42	$490
SUNRAY	Moore	Canadian	$0	$490	0	18	34	36	38	39	$490
TEXLINE	Dallam	Canadian	$0	$490	0	7	12	12	12	11	$490
WHEELER	Wheeler	Red	$0	$490	0	9	15	15	15	15	$490
TOTAL			***$0***	***$8,820***	***0***	***1,996***	***3,593***	***3,881***	***4,179***	***4,419***	***$8,820***
Irrigation Conservation											
IRRIGATION	Dallam	Canadian	$0	$19	0	59,275	108,476	121,561	122,958	122,958	$18
IRRIGATION	Hansford	Canadian	$0	$21	0	24,436	45,264	51,215	51,951	51,951	$21
IRRIGATION	Hartley	Canadian	$0	$19	0	53,755	98,786	110,553	111,772	111,772	$19
IRRIGATION	Hutchinson	Canadian	$0	$20	0	7,514	14,044	15,905	16,128	16,128	$20
IRRIGATION	Moore	Canadian	$0	$20	0	31,602	59,485	66,995	67,846	67,846	$20
IRRIGATION	Sherman	Canadian	$0	$20	0	41,127	77,102	86,803	87,896	87,896	$20
TOTAL			***$0***	***$20***	***0***	***217,709***	***403,157***	***453,032***	***458,551***	***458,551***	***$20***
New Groundwater - Ogallala Aquifer											
PANHANDLE	Carson	Red	$3,309,300	$736	0	0	600	600	600	600	$255
TEXLINE	Dallam	Canadian	$2,304,000	$1,113	0	250	250	250	250	250	$310
LEFORS	Gray	Red	$1,132,500	$1,328	0	0	0	100	100	100	$341
MEMPHIS	Hall	Red	$1,042,100	$1,212	0	100	100	100	100	100	$303
COUNTY-OTHER	Hall	Red	$2,522,400	$1,456	100	100	100	100	100	100	$356
COUNTY-OTHER	Hall	Red	$2,522,400	$1,456	50	50	50	100	100	100	$356
SPEARMAN	Hansford	Canadian	$3,862,000	$594	0	0	900	900	900	900	$220
GRUVER	Hansford	Canadian	$1,968,500	$731	0	350	350	350	350	350	$241
COUNTY-OTHER	Moore	Canadian	$3,114,800	$474	0	0	500	500	1,000	1,000	$338

Summary of Recommended Water Management Strategies
Panhandle Water Planning Area

Entity	County Used	Basin Used	Total Capital Cost	1st Decade Unit Cost	2010	2020	2030	2040	2050	2060	2060 Unit Cost
DUMAS	Moore	Canadian	$7,997,200	$1,202	0	387	1,163	1,672	2,219	2,478	$200
STEAM ELECTRIC POWER	Moore	Canadian	$1,852,600	$1,017	200	200	200	200	200	200	$209
SUNRAY	Moore	Canadian	$3,121,300	$567	0	0	800	800	800	800	$227
PERRYTON	Ochiltree	Canadian	$7,087,000	$1,214	0	0	0	0	600	1200	$759
COUNTY-OTHER	Potter	Canadian	$3,114,800	$474	0	0	0	1,000	1,000	1,000	$202
COUNTY-OTHER	Potter	Red	$5,444,600	$624	0	600	600	600	1,200	1,200	$426
COUNTY-OTHER	Randall	Red	$7,276,100	$624	0	0	600	1,200	2,600	2,600	$307
WHEELER	Wheeler	Red	$2,108,700	$1,311	0	0	0	0	200	200	$1,311
AMARILLO	Potter and Randall	Red and Canadian	$76,464,600	$887	0	10,667	11,495	12,387	13,348	14,384	$194
AMARILLO	Potter and Randall	Red and Canadian	$125,751,700	$1,286	0	0	0	0	11,210	11,210	$1,286
BORGER	Hutchinson	Canadian	$9,379,200	$628	0	0	1,000	1,000	2,000	2,000	$424
CACTUS	Moore	Canadian	$5,446,700	$537	500	1,500	1,500	3,000	3,000	3,000	$220
CRMWA	Multiple	Red and Canadian	$21,824,000	$235	0	0	15,000	15,000	15,000	15,000	$112
TOTAL			***$298,646,500***	***$739***	***850***	***14,204***	***35,208***	***39,859***	***56,877***	***58,772***	***$424***
New Groundwater - Dockum Aquifer											
CANYON	Randall	Red	$8,218,000	$369	700	1,400	2,100	2,800	2,800	3,800	$180
New Groundwater - Seymour Aquifer											
GREENBELT M&IWA	Multiple	Red	$1,865,900	$288	0	800	800	800	800	800	$84
Voluntary Transfer from Other Users (Sales/Contracts)											
MEMPHIS	Hall	Red	$0	$815	0	0	100	100	100	100	$815
MANUFACTURING	Hutchinson	Canadian	$0	$815	0	0	664	1,244	1,752	2,450	$815
MANUFACTURING	Moore	Canadian	$0	$815	173	800	1,033	1,396	1,718	2,067	$815
MANUFACTURING	Potter	Canadian	$0	$815	0	0	33	57	35	43	$815
MANUFACTURING	Potter	Red	$0	$815	0	0	0	602	1,333	2,155	$815
BORGER	Hutchinson	Canadian	$4,399,400	$843	0	0	1,000	1,000	1,000	1,000	$460
TOTAL			***$4,399,400***	***$826***	***173***	***800***	***2,830***	***4,399***	***5,938***	***7,815***	***$769***
Palo Duro Transmission System											
PDRA	Multiple	Canadian	$114,730,000	$3,362	0	0	3,875	3,833	3,792	3,750	$411
REGION TOTAL			***$427,859,800***		***1,723***	***236,909***	***451,563***	***508,604***	***532,937***	***537,907***	

WUG	Description	2010	2020	2030	2040	2050	2060
Booker	**Projected Population**	1,327	1,354	1,314	1,276	1,259	1,198
	Projected Water Demand	356	364	353	343	338	322
	Available Supplies						
	Ogallala Aquifer	358	366	355	345	340	324
	Total Available Supplies	**358**	**366**	**355**	**345**	**340**	**324**
	Shortage/Surplus	2	2	2	2	2	2
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**2**	**2**	**2**	**2**	**2**	**2**
Canadian	**Projected Population**	2,330	2,340	2,262	2,178	2,120	2,015
	Projected Water Demand	475	477	461	444	432	411
	Available Supplies						
	Ogallala Aquifer	475	477	461	444	432	411
	Total Available Supplies	**475**	**477**	**461**	**444**	**432**	**411**
	Shortage/Surplus	0	0	0	0	0	0
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**0**	**0**	**0**	**0**	**0**	**0**
Canyon	**Projected Population**	14,227	15,684	17,047	18,599	20,293	21,695
	Projected Water Demand	2,438	2,688	2,922	3,188	3,478	3,718
	Available Supplies						
	Meredith Lake/Reservoir	1,000	1,000	964	872	790	728
	Ogallala Aquifer	2,110	1,266	760	456	273	164
	Total Available Supplies	**3,110**	**2,266**	**1,724**	**1,328**	**1,063**	**892**
	Shortage/Surplus	672	-422	-1,198	-1,860	-2,415	-2,826
	Recommended Water Management Strategies						
	Municipal Conservation	0	80	176	191	208	227
	New Wells - Ogallala Aquifer	700	1400	2100	2800	2800	3800
	Total Recommended Water Management Strategies	**700**	**1,480**	**2,276**	**2,991**	**3,008**	**4,027**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**1,372**	**1,058**	**1,078**	**1,131**	**593**	**1,201**
Childress	**Projected Population**	6,918	7,033	7,132	7,167	7,170	6,987
	Projected Water Demand	1,457	1,481	1,502	1,509	1,510	1,471
	Available Supplies						
	Greenbelt Lake/Reservoir	1,457	1,481	1,502	1,509	1,510	1,471
	Ogallala Aquifer						
	Total Available Supplies	**1,457**	**1,481**	**1,502**	**1,509**	**1,510**	**1,471**
	Shortage/Surplus	0	0	0	0	0	0
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**0**	**0**	**0**	**0**	**0**	**0**
Clarendon	**Projected Population**	1,974	1,974	1,974	1,974	1,974	1,974
	Projected Water Demand	440	440	440	440	440	440
	Available Supplies						
	Greenbelt Lake/Reservoir	440	440	440	440	440	440
	Total Available Supplies	**440**	**440**	**440**	**440**	**440**	**440**
	Shortage/Surplus	0	0	0	0	0	0
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**0**	**0**	**0**	**0**	**0**	**0**

*All Demand and Supply values are in Acre-Feet

WUG	Description	2010	2020	2030	2040	2050	2060
Claude	**Projected Population**	1,327	1,369	1,322	1,268	1,255	1,219
	Projected Water Demand	262	270	261	250	247	240
	Available Supplies						
	Ogallala Aquifer	532	479	431	387	347	310
	Total Available Supplies	**532**	**479**	**431**	**387**	**347**	**310**
	Shortage/Surplus	270	209	170	137	100	70
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**270**	**209**	**170**	**137**	**100**	**70**
County-Other (Armstrong)	**Projected Population**	844	871	841	806	798	775
	Projected Water Demand	109	112	108	104	103	100
	Available Supplies						
	Ogallala Aquifer	400	400	400	400	400	400
	Total Available Supplies	**400**	**400**	**400**	**400**	**400**	**400**
	Shortage/Surplus	291	288	292	296	297	300
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**291**	**288**	**292**	**296**	**297**	**300**
County-Other (Carson)	**Projected Population**	1,182	1,195	1,186	1,147	1,043	947
	Projected Water Demand	256	259	258	249	227	206
	Available Supplies						
	Ogallala Aquifer	464	442	425	419	388	345
	Total Available Supplies	**464**	**442**	**425**	**419**	**388**	**345**
	Shortage/Surplus	208	183	167	170	161	139
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**208**	**183**	**167**	**170**	**161**	**139**
County-Other (Childress)	**Projected Population**	929	944	958	962	963	938
	Projected Water Demand	196	199	202	203	203	198
	Available Supplies						
	Greenbelt Lake/Reservoir	196	199	202	203	203	198
	Seymour Aquifer	20	20	20	20	20	20
	Total Available Supplies	**216**	**219**	**222**	**223**	**223**	**218**
	Shortage/Surplus	20	20	20	20	20	20
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**20**	**20**	**20**	**20**	**20**	**20**
County-Other (Collingsworth)	**Projected Population**	895	898	842	766	709	613
	Projected Water Demand	234	234	220	200	185	160
	Available Supplies						
	Blaine Aquifer	83	83	83	83	83	83
	Other Aquifer	6	6	6	6	6	6
	Seymour Aquifer	158	158	158	158	158	158
	Total Available Supplies	**247**	**247**	**247**	**247**	**247**	**247**
	Shortage/Surplus	13	13	27	47	62	87
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**13**	**13**	**27**	**47**	**62**	**87**

*All Demand and Supply values are in Acre-Feet

WUG	Description	2010	2020	2030	2040	2050	2060
County-Other (Dallam)	**Projected Population**	1,170	1,262	1,320	1,334	1,306	1,245
	Projected Water Demand	181	195	204	206	202	192
	Available Supplies						
	Ogallala Aquifer	181	195	204	206	202	192
	Total Available Supplies	**181**	**195**	**204**	**206**	**202**	**192**
	Shortage/Surplus	0	0	0	0	0	0
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**0**	**0**	**0**	**0**	**0**	**0**
County-Other (Donley)	**Projected Population**	1,790	1,720	1,562	1,401	1,264	1,052
	Projected Water Demand	219	210	191	171	154	128
	Available Supplies						
	Greenbelt Lake/Reservoir	219	210	191	171	154	128
	Ogallala Aquifer	180	180	180	180	180	180
	Total Available Supplies	**399**	**390**	**371**	**351**	**334**	**308**
	Shortage/Surplus	180	180	180	180	180	180
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**180**	**180**	**180**	**180**	**180**	**180**
County-Other (Gray)	**Projected Population**	3,379	3,354	3,259	3,132	2,941	2,755
	Projected Water Demand	511	507	493	473	444	417
	Available Supplies						
	Ogallala Aquifer	629	629	629	629	629	629
	Total Available Supplies	**629**	**629**	**629**	**629**	**629**	**629**
	Shortage/Surplus	118	122	136	156	185	212
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**118**	**122**	**136**	**156**	**185**	**212**
County-Other (Hall)	**Projected Population**	1,267	1,358	1,416	1,368	1,388	1,303
	Projected Water Demand	353	379	395	382	387	363
	Available Supplies						
	Greenbelt Lake/Reservoir	152	152	152	152	152	152
	Ogallala Aquifer	85	85	85	85	85	85
	Seymour Aquifer	192	192	192	192	192	192
	Total Available Supplies	**429**	**429**	**429**	**429**	**429**	**429**
	Shortage/Surplus	76	50	34	47	42	66
	Recommended Water Management Strategies						
	New Ogallala wells in Briscoe County	100	100	100	100	100	100
	New Ogallala wells in Donley County	50	50	50	100	100	100
	Total Recommended Water Management Strategies	**150**	**150**	**150**	**200**	**200**	**200**
	Total Supply Less Projected Demand	**226**	**200**	**184**	**247**	**242**	**266**
County-Other (Hansford)	**Projected Population**	1,388	1,663	1,898	2,152	2,301	2,433
	Projected Water Demand	266	319	364	412	441	466
	Available Supplies						
	Ogallala Aquifer	413	424	440	487	535	554
	Total Available Supplies	**413**	**424**	**440**	**487**	**535**	**554**
	Shortage/Surplus	147	105	76	75	94	88
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**147**	**105**	**76**	**75**	**94**	**88**

*All Demand and Supply values are in Acre-Feet

WUG	Description	2010	2020	2030	2040	2050	2060
County-Other (Hartley)	**Projected Population**	3,033	3,135	3,189	3,208	3,168	3,006
	Projected Water Demand	523	541	550	553	546	519
	Available Supplies						
	Ogallala Aquifer	523	541	550	553	546	519
	Total Available Supplies	**523**	**541**	**550**	**553**	**546**	**519**
	Shortage/Surplus	0	0	0	0	0	0
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**0**	**0**	**0**	**0**	**0**	**0**
County-Other (Hemphill)	**Projected Population**	1,166	1,171	1,132	1,091	1,061	1,009
	Projected Water Demand	158	159	153	148	143	137
	Available Supplies						
	Ogallala Aquifer	222	222	222	222	222	222
	Total Available Supplies	**222**	**222**	**222**	**222**	**222**	**222**
	Shortage/Surplus	64	63	69	74	79	85
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**64**	**63**	**69**	**74**	**79**	**85**
County-Other (Hutchinson)	**Projected Population**	308	314	310	299	283	268
	Projected Water Demand	56	57	57	55	52	49
	Available Supplies						
	Ogallala Aquifer	56	57	57	55	52	49
	Total Available Supplies	**56**	**57**	**57**	**55**	**52**	**49**
	Shortage/Surplus	0	0	0	0	0	0
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**0**	**0**	**0**	**0**	**0**	**0**
County-Other (Lipscomb)	**Projected Population**	1,766	1,804	1,749	1,699	1,675	1,595
	Projected Water Demand	394	402	390	379	373	356
	Available Supplies						
	Ogallala Aquifer	473	473	473	473	473	473
	Total Available Supplies	**473**	**473**	**473**	**473**	**473**	**473**
	Shortage/Surplus	79	71	83	94	100	117
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**79**	**71**	**83**	**94**	**100**	**117**
County-Other (Moore)	**Projected Population**	3,307	4,534	5,970	7,110	7,805	8,223
	Projected Water Demand	700	960	1,264	1,505	1,652	1,741
	Available Supplies						
	Ogallala Aquifer	700	960	1,000	1,000	1,000	1,000
	Total Available Supplies	**700**	**960**	**1,000**	**1,000**	**1,000**	**1,000**
	Shortage/Surplus	0	0	-264	-505	-652	-741
	Recommended Water Management Strategies						
	Municipal Conservation	0	29	63	75	83	87
	New Wells - Ogallala Aquifer	0	0	500	500	1,000	1,000
	Total Recommended Water Management Strategies	**0**	**29**	**563**	**575**	**1,083**	**1,087**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**0**	**29**	**299**	**70**	**431**	**346**

*All Demand and Supply values are in Acre-Feet

WUG	Description	2010	2020	2030	2040	2050	2060
County-Other (Ochiltree)	**Projected Population**	1,223	1,223	1,223	1,223	1,223	1,223
	Projected Water Demand	181	181	181	181	181	181
	Available Supplies						
	Ogallala Aquifer	386	406	429	474	523	550
	Total Available Supplies	**386**	**406**	**429**	**474**	**523**	**550**
	Shortage/Surplus	205	225	248	293	342	369
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**205**	**225**	**248**	**293**	**342**	**369**
County-Other (Oldham)	**Projected Population**	1,327	1,356	1,260	1,110	965	780
	Projected Water Demand	174	178	165	146	126	102
	Available Supplies						
	Dockum Aquifer	384	384	384	384	384	384
	Ogallala Aquifer	206	206	205	204	204	204
	Total Available Supplies	**590**	**590**	**589**	**588**	**588**	**588**
	Shortage/Surplus	416	412	424	442	462	486
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**416**	**412**	**424**	**442**	**462**	**486**
County-Other (Potter)	**Projected Population**	20,264	27,323	33,924	41,440	49,644	56,369
	Projected Water Demand	1,703	2,295	2,850	3,482	4,171	4,736
	Available Supplies						
	Dockum Aquifer	566	566	566	566	566	566
	Ogallala Aquifer	2,031	2,031	2,031	2,031	2,031	2,031
	Total Available Supplies	**2,597**	**2,597**	**2,597**	**2,597**	**2,597**	**2,597**
	Shortage/Surplus	894	302	-253	-885	-1,574	-2,139
	Recommended Water Management Strategies						
	Municipal Conservation	0	69	143	174	209	236
	New Wells - Ogallala Aquifer	0	600	600	1,600	2,200	2,200
	Total Recommended Water Management Strategies	**0**	**669**	**743**	**1,774**	**2,409**	**2,436**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**894**	**971**	**490**	**889**	**835**	**297**
County-Other (Randall)	**Projected Population**	21,446	26,471	31,169	36,520	42,359	47,194
	Projected Water Demand	2,715	3,351	3,945	4,623	5,361	5,973
	Available Supplies						
	Meredith Lake/Reservoir	25	25	24	22	20	19
	Dockum Aquifer	85	85	85	85	85	85
	Ogallala Aquifer	2,982	3,250	3,250	3,250	3,250	3,250
	Total Available Supplies	**3,092**	**3,360**	**3,359**	**3,357**	**3,355**	**3,354**
	Shortage/Surplus	377	9	-586	-1,266	-2,006	-2,619
	Recommended Water Management Strategies						
	Municipal Conservation	0	101	197	231	268	299
	New Wells - Ogallala Aquifer	0	0	600	1,200	2,600	2,600
	Total Recommended Water Management Strategies	**0**	**101**	**797**	**1,431**	**2,868**	**2,899**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**377**	**110**	**211**	**165**	**862**	**280**
County-Other (Roberts)	**Projected Population**	313	322	289	242	210	189
	Projected Water Demand	44	45	41	34	30	27
	Available Supplies						
	Ogallala Aquifer	65	65	65	65	65	65
	Total Available Supplies	**65**	**65**	**65**	**65**	**65**	**65**
	Shortage/Surplus	21	20	24	31	35	38
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**21**	**20**	**24**	**31**	**35**	**38**

*All Demand and Supply values are in Acre-Feet

WUG	Description	2010	2020	2030	2040	2050	2060
County-Other (Sherman)	**Projected Population**	1,297	1,405	1,447	1,490	1,528	1,547
	Projected Water Demand	218	236	243	250	257	260
	Available Supplies						
	Ogallala Aquifer	218	236	243	250	257	260
	Total Available Supplies	**218**	**236**	**243**	**250**	**257**	**260**
	Shortage/Surplus	0	0	0	0	0	0
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**0**	**0**	**0**	**0**	**0**	**0**
County-Other (Wheeler)	**Projected Population**	1,795	1,796	1,785	1,805	1,799	1,766
	Projected Water Demand	277	278	276	279	278	273
	Available Supplies						
	Blaine Aquifer	15	15	15	15	15	15
	Ogallala Aquifer	348	348	348	348	348	348
	Other Aquifer	22	22	22	22	22	22
	Seymour Aquifer	21	21	21	21	21	21
	Total Available Supplies	**406**	**406**	**406**	**406**	**406**	**406**
	Shortage/Surplus	129	128	130	127	128	133
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**129**	**128**	**130**	**127**	**128**	**133**
Dalhart	**Projected Population**	7,782	8,272	8,570	8,651	8,493	8,087
	Projected Water Demand	2,005	2,132	2,208	2,229	2,188	2,083
	Available Supplies						
	Ogallala Aquifer	2,005	2,132	2,208	2,229	2,188	2,083
	Total Available Supplies	**2,005**	**2,132**	**2,208**	**2,229**	**2,188**	**2,083**
	Shortage/Surplus	0	0	0	0	0	0
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**0**	**0**	**0**	**0**	**0**	**0**
Dumas	**Projected Population**	14,884	16,123	17,216	18,084	18,613	18,931
	Projected Water Demand	2,734	2,962	3,163	3,322	3,419	3,478
	Available Supplies						
	Ogallala Aquifer - Hartley County	1,823	1,975	1,500	1,300	1,000	900
	Ogallala Aquifer - Moore County	911	600	500	350	200	100
	Total Available Supplies	**2,734**	**2,575**	**2,000**	**1,650**	**1,200**	**1,000**
	Shortage/Surplus	0	-387	-1,163	-1,672	-2,219	-2,478
	Recommended Water Management Strategies						
	Municipal Conservation	0	89	158	166	171	174
	New Wells - Ogallala Aquifer	0	387	1,163	1,672	2,219	2,500
	Total Recommended Water Management Strategies	**0**	**476**	**1,321**	**1,838**	**2,390**	**2,674**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**0**	**89**	**158**	**166**	**171**	**196**
Fritch	**Projected Population**	2,290	2,334	2,313	2,248	2,131	2,030
	Projected Water Demand	411	418	414	403	382	364
	Available Supplies						
	Ogallala Aquifer	591	551	514	492	469	430
	Total Available Supplies	**591**	**551**	**514**	**492**	**469**	**430**
	Shortage/Surplus	180	133	100	89	87	66
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**180**	**133**	**100**	**89**	**87**	**66**

*All Demand and Supply values are in Acre-Feet

WUG	Description	2010	2020	2030	2040	2050	2060
Groom	**Projected Population**	589	595	591	572	520	472
	Projected Water Demand	142	143	142	138	125	114
	Available Supplies						
	Ogallala Aquifer	166	158	152	150	139	124
	Total Available Supplies	**166**	**158**	**152**	**150**	**139**	**124**
	Shortage/Surplus	24	15	10	12	14	10
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**24**	**15**	**10**	**12**	**14**	**10**
Gruver	**Projected Population**	1,169	1,178	1,186	1,195	1,200	1,204
	Projected Water Demand	325	327	329	332	333	334
	Available Supplies						
	Ogallala Aquifer	400	250	100	50	0	0
	Total Available Supplies	**400**	**250**	**100**	**50**	**0**	**0**
	Shortage/Surplus	75	-77	-229	-282	-333	-334
	Recommended Water Management Strategies						
	Municipal Conservation	0	10	16	17	17	17
	New Wells - Ogallala Aquifer	0	350	350	350	350	350
	Total Recommended Water Management Strategies	**0**	**360**	**366**	**367**	**367**	**367**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**75**	**283**	**137**	**85**	**34**	**33**
Happy	**Projected Population**	66	100	132	168	207	239
	Projected Water Demand	11	17	22	27	33	38
	Available Supplies						
	Dockum Aquifer	50	50	50	50	50	50
	Other Aquifer	40	40	37	35	35	35
	Total Available Supplies	**90**	**90**	**87**	**85**	**85**	**85**
	Shortage/Surplus	79	73	65	58	52	47
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**79**	**73**	**65**	**58**	**52**	**47**
HI Texas Water Company	**Projected Population**	3,573	3,620	3,572	3,455	3,246	3,064
	Projected Water Demand	396	401	396	383	360	340
	Available Supplies						
	Ogallala Aquifer	500	500	500	500	500	500
	Total Available Supplies	**500**	**500**	**500**	**500**	**500**	**500**
	Shortage/Surplus	104	99	104	117	140	160
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**104**	**99**	**104**	**117**	**140**	**160**
Lake Tanglewood	**Projected Population**	993	1,174	1,344	1,537	1,748	1,923
	Projected Water Demand	160	189	217	248	282	310
	Available Supplies						
	Ogallala Aquifer	160	189	217	248	282	310
	Total Available Supplies	**160**	**189**	**217**	**248**	**282**	**310**
	Shortage/Surplus	0	0	0	0	0	0
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**0**	**0**	**0**	**0**	**0**	**0**

*All Demand and Supply values are in Acre-Feet

WUG	Description	2010	2020	2030	2040	2050	2060
Lefors	**Projected Population**	545	540	525	505	474	444
	Projected Water Demand	86	85	83	80	75	70
	Available Supplies						
	Ogallala Aquifer	200	137	87	51	40	34
	Total Available Supplies	**150**	**137**	**87**	**51**	**40**	**34**
	Shortage/Surplus	64	52	4	-29	-35	-36
	Recommended Water Management Strategies						
	Municipal Conservation	0	3	4	4	4	4
	New Wells - Ogallala Aquifer	0	0	0	100	100	100
	Total Recommended Water Management Strategies	**0**	**3**	**4**	**104**	**104**	**104**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**64**	**55**	**8**	**75**	**69**	**68**
McLean	**Projected Population**	809	802	780	750	704	659
	Projected Water Demand	185	183	178	171	161	151
	Available Supplies						
	Ogallala Aquifer	462	462	462	447	425	400
	Total Available Supplies	**462**	**462**	**462**	**447**	**425**	**400**
	Shortage/Surplus	277	279	284	276	264	249
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**277**	**279**	**284**	**276**	**264**	**249**
Memphis	**Projected Population**	2,483	2,474	2,468	2,473	2,471	2,480
	Projected Water Demand	442	441	440	440	440	442
	Available Supplies						
	Greenbelt Lake/Reservoir	100	100	100	100	100	100
	Ogallala Aquifer	342	260	200	200	200	200
	Total Available Supplies	**442**	**360**	**300**	**300**	**300**	**300**
	Shortage/Surplus	0	-81	-140	-140	-140	-142
	Recommended Water Management Strategies						
	Municipal Conservation	0	13	22	22	22	22
	New Wells - Ogallala Aquifer	0	100	100	100	100	100
	Purchase Supply from Greenbelt MWA	0	0	100	100	100	100
	Total Recommended Water Management Strategies	**0**	**113**	**222**	**222**	**222**	**222**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**0**	**32**	**82**	**82**	**82**	**80**
Miami	**Projected Population**	617	633	568	477	412	372
	Projected Water Demand	145	149	134	112	97	88
	Available Supplies						
	Ogallala Aquifer	541	541	541	541	541	541
	Total Available Supplies	**541**	**541**	**541**	**541**	**541**	**541**
	Shortage/Surplus	396	392	407	429	444	453
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**396**	**392**	**407**	**429**	**444**	**453**
Pampa	**Projected Population**	17,430	17,292	16,807	16,155	15,167	14,206
	Projected Water Demand	3,300	3,273	3,182	3,058	2,871	2,689
	Available Supplies						
	Meredith Lake/Reservoir	944	1,375	1,337	1,285	1,206	1,130
	Ogallala Aquifer - Gray County	1,000	750	563	422	317	238
	Ogallala Aquifer - Roberts County	1,888	1,898	1,845	1,773	1,665	1,559
	Total Available Supplies	**3,832**	**4,023**	**3,745**	**3,480**	**3,188**	**2,927**
	Shortage/Surplus	532	750	563	422	317	238
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**532**	**750**	**563**	**422**	**317**	**238**

*All Demand and Supply values are in Acre-Feet

WUG	Description	2010	2020	2030	2040	2050	2060
Panhandle	**Projected Population**	2,599	2,626	2,605	2,521	2,291	2,081
	Projected Water Demand	574	579	575	556	506	459
	Available Supplies						
	Ogallala Aquifer	672	641	615	608	562	501
	Total Available Supplies	**672**	**641**	**615**	**608**	**562**	**501**
	Shortage/Surplus	98	62	40	52	56	42
	Recommended Water Management Strategies						
	Municipal Conservation	0	17	29	28	25	23
	New Wells - Ogallala Aquifer	0	0	600	600	600	600
	Total Recommended Water Management Strategies	**0**	**17**	**629**	**628**	**625**	**623**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**98**	**79**	**669**	**680**	**681**	**665**
Perryton	**Projected Population**	8,453	9,208	9,769	10,148	10,334	10,571
	Projected Water Demand	1,960	2,135	2,265	2,353	2,396	2,451
	Available Supplies						
	Ogallala Aquifer	3,130	3,130	3,130	3,130	3,130	3,130
	Total Available Supplies	**3,130**	**3,130**	**3,130**	**3,130**	**3,130**	**3,130**
	Shortage/Surplus	1,170	995	865	777	734	679
	Recommended Water Management Strategies						
	Municipal Conservation	0	64	113	118	120	123
	New Wells - Ogallala Aquifer	0	0	0	0	600	1,200
	Total Recommended Water Management Strategies	**0**	**64**	**113**	**118**	**720**	**1,323**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**1,170**	**1,059**	**978**	**895**	**1,454**	**2,002**
Shamrock	**Projected Population**	1,963	1,963	1,954	1,970	1,966	1,941
	Projected Water Demand	312	312	311	313	313	309
	Available Supplies						
	Ogallala Aquifer	1,248	1,248	1,248	1,248	1,248	1,248
	Total Available Supplies	**1,248**	**1,248**	**1,248**	**1,248**	**1,248**	**1,248**
	Shortage/Surplus	936	936	937	935	935	939
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**936**	**936**	**937**	**935**	**935**	**939**
Skellytown	**Projected Population**	612	619	614	594	540	490
	Projected Water Demand	106	107	106	102	93	85
	Available Supplies						
	Ogallala Aquifer	357	341	327	323	299	266
	Total Available Supplies	**357**	**341**	**327**	**323**	**299**	**266**
	Shortage/Surplus	251	234	221	221	206	181
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**251**	**234**	**221**	**221**	**206**	**181**
Spearman	**Projected Population**	3,142	3,307	3,448	3,601	3,690	3,769
	Projected Water Demand	707	745	776	811	831	849
	Available Supplies						
	Ogallala Aquifer	1,250	800	500	200	0	0
	Total Available Supplies	**1,250**	**800**	**500**	**200**	**0**	**0**
	Shortage/Surplus	543	55	-276	-611	-831	-849
	Recommended Water Management Strategies						
	Municipal Conservation	0	22	39	41	42	42
	New Wells - Ogallala Aquifer	0	0	900	900	900	900
	Total Recommended Water Management Strategies	**0**	**22**	**939**	**941**	**942**	**942**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**543**	**77**	**663**	**330**	**111**	**93**

*All Demand and Supply values are in Acre-Feet

WUG	Description	2010	2020	2030	2040	2050	2060
Stinnett	**Projected Population**	1,974	2,001	1,973	1,908	1,802	1,711
	Projected Water Demand	365	370	365	353	333	316
	Available Supplies						
	Ogallala Aquifer	594	552	512	488	463	425
	Total Available Supplies	**594**	**552**	**512**	**488**	**463**	**425**
	Shortage/Surplus	229	182	147	135	130	109
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**229**	**182**	**147**	**135**	**130**	**109**
Stratford	**Projected Population**	2,172	2,365	2,439	2,515	2,582	2,617
	Projected Water Demand	628	683	705	727	746	756
	Available Supplies						
	Ogallala Aquifer	1,000	1,000	1,000	1,000	1,000	1,000
	Total Available Supplies	**1,000**	**1,000**	**1,000**	**1,000**	**1,000**	**1,000**
	Shortage/Surplus	372	317	295	273	254	244
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**372**	**317**	**295**	**273**	**254**	**244**
Sunray	**Projected Population**	2,237	2,550	2,826	3,045	3,178	3,258
	Projected Water Demand	534	608	674	727	758	777
	Available Supplies						
	Ogallala Aquifer	534	608	674	700	650	650
	Total Available Supplies	**534**	**608**	**674**	**700**	**650**	**650**
	Shortage/Surplus	0	0	0	-27	-108	-127
	Recommended Water Management Strategies						
	Municipal Conservation	0	18	34	36	38	39
	New Wells - Ogallala Aquifer	0	0	800	800	800	800
	Total Recommended Water Management Strategies	**0**	**18**	**834**	**836**	**838**	**839**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**0**	**18**	**834**	**809**	**730**	**712**
TCW Supply INC	**Projected Population**	2,110	2,139	2,109	2,040	1,927	1,830
	Projected Water Demand	603	611	602	583	550	523
	Available Supplies						
	Ogallala Aquifer	787	730	678	646	613	562
	Total Available Supplies	**787**	**730**	**678**	**646**	**613**	**562**
	Shortage/Surplus	184	119	76	63	63	39
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**184**	**119**	**76**	**63**	**63**	**39**
Texline	**Projected Population**	563	607	634	641	628	599
	Projected Water Demand	211	227	237	240	235	224
	Available Supplies						
	Rita Blanca Aquifer	250	250	250	250	250	250
	Total Available Supplies	**250**	**250**	**250**	**250**	**250**	**250**
	Shortage/Surplus	39	23	13	10	15	26
	Recommended Water Management Strategies						
	Municipal Conservation	0	7	12	12	12	11
	New Wells - Ogallala Aquifer	0	250	250	250	250	250
	Total Recommended Water Management Strategies	**0**	**7**	**12**	**12**	**12**	**11**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**39**	**30**	**25**	**22**	**27**	**37**

*All Demand and Supply values are in Acre-Feet

WUG	Description	2010	2020	2030	2040	2050	2060
Vega	**Projected Population**	995	1,017	944	832	724	584
	Projected Water Demand	242	247	229	202	176	142
	Available Supplies						
	Ogallala Aquifer	529	529	529	529	529	529
	Total Available Supplies	**529**	**529**	**529**	**529**	**529**	**529**
	Shortage/Surplus	287	282	300	327	353	387
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**287**	**282**	**300**	**327**	**353**	**387**
Wellington	**Projected Population**	2,239	2,241	2,187	2,114	2,058	1,965
	Projected Water Demand	456	457	446	431	420	401
	Available Supplies						
	Seymour Aquifer	500	500	500	500	500	500
	Total Available Supplies	**500**	**500**	**500**	**500**	**500**	**500**
	Shortage/Surplus	44	43	54	69	80	99
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**44**	**43**	**54**	**69**	**80**	**99**
Wheeler	**Projected Population**	1,374	1,374	1,373	1,374	1,374	1,373
	Projected Water Demand	291	291	291	291	291	291
	Available Supplies						
	Ogallala Aquifer	318	318	318	318	318	318
	Total Available Supplies	**318**	**318**	**318**	**318**	**318**	**318**
	Shortage/Surplus	27	27	27	27	27	27
	Recommended Water Management Strategies						
	Municipal Conservation	0	9	15	15	15	15
	New Wells - Ogallala Aquifer	0	0	0	0	200	200
	Total Recommended Water Management Strategies	**0**	**9**	**15**	**15**	**15**	**15**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**27**	**36**	**42**	**42**	**42**	**42**
White Deer	**Projected Population**	1,065	1,076	1,066	1,032	938	852
	Projected Water Demand	164	165	164	159	144	130
	Available Supplies						
	Ogallala Aquifer	370	370	370	370	370	370
	Total Available Supplies	**370**	**370**	**370**	**370**	**370**	**370**
	Shortage/Surplus	206	205	206	211	226	240
	Recommended Water Management Strategies						
	Total Recommended Water Management Strategies	**0**	**0**	**0**	**0**	**0**	**0**
	Alternative Strategies						
	Total Alternative Strategies						
	Total Supply Less Projected Demand	**206**	**205**	**206**	**211**	**226**	**240**

*All Demand and Supply values are in Acre-Feet