

DRAFT

Attachment 4
Changes to Appendix F - WMS Tables

APPENDIX F
TABLE OF RECOMMENDED AND ALTERNATIVE WATER
MANAGEMENT STRATEGIES

Table F-1
Summary of Recommended Strategies

Entity	County Used	Expected Online	Capital Cost	First Decade Unit Cost (\$/ac-ft/yr)	Total Yield						Last Decade Unit Cost (\$/ac-ft/yr)	
					2020	2030	2040	2050	2060	2070		
Brush Control												
BCWID	Multiple	2020	\$0	\$390	400	400	400	400	400	400	\$390	
San Angelo	Multiple	2020	\$0	\$489	90	90	90	90	90	90	\$489	
UCRA	Multiple	2020	\$0	\$850	60	60	60	60	60	60	\$850	
Develop Alluvial Wells												
Menard	Menard	2020	\$13,835,000	\$1,741	1,000	1,000	1,000	1,000	1,000	1,000	\$768	
Develop Cross Timbers Aquifer Supplies												
Mining	Brown	2020	\$2,440,000	\$948	210	210	210	210	210	210	\$129	
Develop Edwards-Trinity Plateau Aquifer Supplies												
Bronte	Nolan	2030	\$4,232,000	\$4,293	0	178	178	178	178	178	\$400	
Junction	Kimble	2030	\$7,457,000	\$1,573	0	370	370	370	370	370	\$154	
Pecos County WCID #1	Pecos	2020	\$3,630,000	\$1,224	250	250	250	250	250	250	\$204	
Balmorhea	Reeves	2030	\$1,948,000	\$1,053	0	150	150	150	150	150	\$140	
Develop Ellenberger San Saba Aquifer Supplies												
Manufacturing	Kimble	2020	\$1,621,000	\$274	500	500	500	500	500	500	\$46	
Develop Hickory Aquifer Supplies												
San Angelo	Ector	2030	\$55,491,000	\$2,321	0	1,040	3,040	3,040	3,040	3,040	\$1,037	
Develop Other Aquifer Supplies												
Bronte	Coke	2020	\$23,694,000	\$2,424	800	800	800	800	800	800	\$340	
Manufacturing	Scurry	2020	\$677,000	\$356	160	160	160	160	160	160	\$56	
Develop Pecos Valley Aquifer Supplies												
Colorado River MWD	Multiple	2050	\$168,324,000	\$849	0	0	0	22,400	22,400	22,400	\$321	
County-Other	Midland	2030	\$24,557,000	\$738	0	2,800	2,800	2,800	2,800	2,800	\$121	
Mining	Pecos	2020	\$492,000	\$164	3,000	3,000	3,000	3,000	3,000	3,000	\$55	
Mining	Reeves	2020	\$17,465,000	\$173	10,400	10,400	10,400	10,400	10,400	10,400	\$54	
Grandfalls	Ward	2050	\$2,410,000	\$1,245	0	0	0	155	155	155	\$148	
Dredging River Intake												
Junction	Kimble	2020	\$8,487,000	\$2,388	0	250	250	250	250	250	\$0	
Groundwater Strategies												
Colorado River MWD	Multiple	2030	\$10,440,000	\$102	0	755	2,650	6,295	8,361	10,343	\$76	
Pecos	Reeves	2020	\$43,107,000	\$427	0	8,960	8,960	8,960	8,960	8,960	\$89	

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Entity	County Used	Expected Online	Capital Cost	First Decade Unit Cost (\$/ac-ft/yr)	Total Yield						Last Decade Unit Cost (\$/ac-ft/yr)
					2020	2030	2040	2050	2060	2070	
Sonora	Sutton	2020	\$437,000	\$1,000	35	35	35	35	35	35	\$114
Irrigation Conservation											
Irrigation	Andrews	2020	\$1,548,000	\$21	1,018	2,037	2,037	2,037	2,037	2,037	\$0
Irrigation	Borden	2020	\$224,000	\$21	147	295	295	295	295	295	\$0
Irrigation	Brown	2020	\$494,000	\$21	406	650	650	650	650	650	\$0
Irrigation	Coke	2020	\$63,000	\$21	34	69	83	83	83	83	\$0
Irrigation	Coleman	2020	\$35,000	\$21	23	47	47	47	47	47	\$0
Irrigation	Concho	2020	\$410,000	\$21	245	490	539	539	539	539	\$0
Irrigation	Crockett	2020	\$15,000	\$21	7	14	20	20	20	20	\$0
Irrigation	Ector	2020	\$86,000	\$21	38	76	113	113	113	113	\$0
Irrigation	Glasscock	2020	\$1,558,000	\$21	2,050	2,050	2,050	2,050	2,050	2,050	\$0
Irrigation	Howard	2020	\$575,000	\$21	344	688	757	757	757	757	\$0
Irrigation	Irion	2020	\$120,000	\$21	53	105	158	158	158	158	\$0
Irrigation	Kimble	2020	\$242,000	\$21	133	266	319	319	319	319	\$0
Irrigation	Martin	2020	\$4,160,000	\$21	1,825	3,649	5,474	5,474	5,474	5,474	\$0
Irrigation	Mason	2020	\$566,000	\$21	248	497	745	745	745	745	\$0
Irrigation	McCulloch	2020	\$265,000	\$21	116	232	349	349	349	349	\$0
Irrigation	Menard	2020	\$418,000	\$21	183	366	549	549	549	549	\$0
Irrigation	Midland	2020	\$2,064,000	\$21	905	1,811	2,716	2,716	2,716	2,716	\$0
Irrigation	Mitchell	2020	\$194,000	\$21	256	256	256	256	256	256	\$0
Irrigation	Pecos	2020	\$16,341,000	\$21	7,167	14,335	21,502	21,502	21,502	21,502	\$0
Irrigation	Reagan	2020	\$2,512,000	\$21	1,102	2,203	3,305	3,305	3,305	3,305	\$0
Irrigation	Reeves	2020	\$6,719,000	\$21	2,947	5,894	8,841	8,841	8,841	8,841	\$0
Irrigation	Runnels	2020	\$283,000	\$21	155	311	373	373	373	373	\$0
Irrigation	Schleicher	2020	\$83,000	\$21	91	109	109	109	109	109	\$0
Irrigation	Scurry	2020	\$747,000	\$21	378	756	983	983	983	983	\$0
Irrigation	Sterling	2020	\$102,000	\$21	45	90	135	135	135	135	\$0
Irrigation	Sutton	2020	\$128,000	\$21	56	112	168	168	168	168	\$0
Irrigation	Tom Green	2020	\$3,875,000	\$21	2,125	4,249	5,099	5,099	5,099	5,099	\$0
Irrigation	Upton	2020	\$1,186,000	\$21	520	1,040	1,560	1,560	1,560	1,560	\$0
Irrigation	Ward	2020	\$360,000	\$21	158	316	474	474	474	474	\$0

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					2020	2030	2040	2050	2060	2070	
Irrigation	Winkler	2020	\$400,000	\$21	175	351	526	526	526	526	\$0
Mining Conservation (Recycling)											
Mining	Andrews	2020	\$5,540,000	\$632	277	260	222	176	135	104	\$0
Mining	Borden	2020	\$780,000	\$1,117	29	39	33	21	10	5	\$0
Mining	Brown	2020	\$1,340,000	\$654	66	66	67	67	66	66	\$0
Mining	Coke	2020	\$400,000	\$632	20	20	18	16	14	12	\$0
Mining	Coleman	2020	\$100,000	\$632	5	4	4	4	3	3	\$0
Mining	Concho	2020	\$400,000	\$632	20	20	18	15	13	12	\$0
Mining	Crane	2020	\$720,000	\$1,173	26	35	36	29	22	17	\$0
Mining	Crockett	2020	\$6,300,000	\$632	315	315	43	24	7	3	\$0
Mining	Ector	2020	\$600,000	\$733	28	30	27	22	18	15	\$0
Mining	Glasscock	2020	\$4,960,000	\$632	248	248	189	134	88	63	\$0
Mining	Howard	2020	\$2,860,000	\$632	143	143	101	59	25	13	\$0
Mining	Irion	2020	\$6,440,000	\$632	322	322	231	28	14	7	\$0
Mining	Kimble	2020	\$20,000	\$632	1	1	1	1	1	1	\$0
Mining	Loving	2020	\$10,500,000	\$632	525	525	462	378	301	238	\$0
Mining	Martin	2020	\$6,040,000	\$632	302	302	227	49	27	14	\$0
Mining	Mason	2020	\$860,000	\$632	43	40	30	24	19	16	\$0
Mining	McCulloch	2020	\$7,500,000	\$632	375	351	279	236	203	176	\$0
Mining	Menard	2020	\$920,000	\$632	46	45	40	35	30	26	\$0
Mining	Midland	2020	\$8,900,000	\$632	445	445	344	231	46	32	\$0
Mining	Mitchell	2020	\$620,000	\$970	25	31	27	21	16	12	\$0
Mining	Pecos	2020	\$10,780,000	\$632	539	539	539	434	67	52	\$0
Mining	Reagan	2020	\$8,900,000	\$632	445	445	323	62	24	8	\$0
Mining	Reeves	2020	\$17,640,000	\$632	882	882	847	693	546	434	\$0
Mining	Runnels	2020	\$220,000	\$632	11	11	10	9	8	7	\$0
Mining	Schleicher	2020	\$620,000	\$903	26	31	24	16	10	6	\$0
Mining	Scurry	2020	\$680,000	\$1,617	20	32	34	25	17	12	\$0
Mining	Sterling	2020	\$800,000	\$931	33	40	34	22	11	6	\$0
Mining	Sutton	2020	\$640,000	\$1,595	19	30	32	24	16	11	\$0
Mining	Tom Green	2020	\$980,000	\$792	44	45	47	47	48	49	\$0
Mining	Upton	2020	\$2,020,000	\$632	101	101	80	53	32	22	\$0

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					2020	2030	2040	2050	2060	2070	
Mining	Ward	2020	\$1,600,000	\$632	80	80	71	55	38	25	\$0

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					2020	2030	2040	2050	2060	2070	
Mining	Winkler	2020	\$980,000	\$1,315	33	49	42	32	22	16	\$0
Municipal Conservation											
Airline Mobile Home Park	Midland	2020	\$0	\$1,263	7	7	8	9	10	10	\$1,134
Andrews	Andrews	2020	\$0	\$952	45	55	96	111	129	150	\$592
County-Other	Andrews	2020	\$0	\$1,080	14	15	17	18	20	21	\$821
Ballinger	Runnels	2020	\$0	\$1,107	12	12	12	12	12	12	\$1,101
Bangs	Brown	2020	\$0	\$1,221	8	8	8	8	8	8	\$2,189
Balmorhea	Reeves	2020	\$0	\$2,472	2	2	2	2	2	2	\$1,214
Barstow	Ward	2020	\$0	\$3,068	1	1	1	1	1	1	\$2,731
Big Lake	Reagan	2020	\$0	\$1,139	10	12	12	13	13	14	\$1,079
Big Spring	Howard	2020	\$0	\$557	131	138	140	139	139	139	\$620
Brady	McCulloch	2020	\$0	\$988	18	18	19	19	19	19	\$930
Bronte	Coke	2020	\$0	\$1,647	3	3	3	3	3	3	\$1,647
Brookesmith SUD	Brown	2020	\$0	\$705	25	25	25	25	25	25	\$688
Brownwood	Brown	2020	\$0	\$937	61	91	91	91	91	91	\$735
Coahoma	Howard	2020	\$0	\$1,222	8	8	8	8	8	8	\$1,203
Coleman	Coleman	2020	\$0	\$1,065	15	15	15	15	15	15	\$1,061
County-Other	Coleman	2020	\$0	\$5,095	1	1	1	1	1	1	\$1,138
Coleman County SUD	Coleman	2020	\$0	\$1,144	9	9	9	9	9	9	\$5,161
Colorado City	Mitchell	2020	\$0	\$1,054	16	18	18	18	18	19	\$938
Concho Rural WSC	Tom Green	2020	\$0	\$894	20	21	22	23	24	24	\$1,821
County-Other	Concho	2020	\$0	\$1,836	3	3	3	3	3	3	\$714
Crockett County WCID	Crockett	2020	\$0	\$1,106	12	13	13	13	13	13	\$1,070
Crane	Crane	2020	\$0	\$1,120	11	12	13	13	14	14	\$1,083
DADS SLC	Tom Green	2020	\$0	\$4,116	1	1	1	1	1	1	\$4,116
Early	Brown	2020	\$0	\$1,176	9	9	9	9	9	9	\$1,170
Ector County Utility District	Ector	2020	\$0	\$292	60	84	94	125	137	149	\$598
Eden	Concho	2020	\$0	\$1,541	4	4	4	4	4	4	\$1,518
El Dorado	Schleicher	2020	\$0	\$1,283	6	6	6	6	6	6	\$1,283
Fort Stockton	Pecos	2020	\$0	\$484	36	39	42	44	46	48	\$363

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					2020	2030	2040	2050	2060	2070	
Goodfellow AFB	Tom Green	2020	\$0	\$1,222	8	9	9	10	10	11	\$1,123
Grandfalls	Ward	2020	\$0	\$2,804	1	1	1	1	2	2	\$2,509
Greater Gardendale WSC	Ector	2020	\$0	\$1,108	12	13	15	17	19	20	\$859
Greenwood Water	Midland	2020	\$0	\$1,716	3	3	4	4	4	5	\$1,430
Iraan	Pecos	2020	\$0	\$1,501	4	4	5	5	5	5	\$1,351
Junction	Kimble	2020	\$0	\$1,206	8	8	8	8	8	8	\$1,203
Kermit	Winkler	2020	\$0	\$964	18	18	19	19	19	19	\$916
Loraine	Mitchell	2020	\$0	\$2,138	2	2	2	2	2	2	\$2,039
Madera Valley WSC	Reeves	2020	\$0	\$1,425	5	5	5	6	6	6	\$1,330
Mason	Mason	2020	\$0	\$1,278	7	7	7	7	7	7	\$1,278
McCamey	Upton	2020	\$0	\$1,264	7	7	8	8	8	8	\$1,203
Menard	Menard	2020	\$0	\$1,442	5	5	5	5	5	5	\$1,442
Mertzton	Irion	2020	\$0	\$1,886	3	3	3	3	3	3	\$1,875
Midland	Midland	2020	\$0	\$436	631	755	816	882	944	1012	\$428
Miles	Runnels	2020	\$0	\$1,730	3	3	3	3	3	3	\$1,614
Mitchell County Utility	Mitchell	2020	\$0	\$1,407	5	5	5	5	5	6	\$1,068
Millersview-Doole WSC	Tom Green	2020	\$0	\$1,088	13	14	14	14	14	15	\$1,347
Monahans	Ward	2020	\$0	\$763	23	24	25	26	27	27	\$645
North Runnels WSC	Runnels	2020	\$0	\$1,407	4	4	4	4	4	4	\$1,375
Odessa	Ector	2020	\$0	\$440	568	680	752	829	905	990	\$427
Pecos	Reeves	2020	\$0	\$607	29	31	33	34	35	35	\$498
Pecos WCID	Pecos	2020	\$0	\$1,166	9	10	11	11	12	12	\$1,716
Pecos County Fresh Water	Pecos	2020	\$0	\$1,985	2	2	3	3	3	3	\$1,099
Rankin	Upton	2020	\$0	\$1,848	3	3	3	3	3	3	\$1,690
Richland SUD	McCulloch	2020	\$0	\$1,712	3	3	3	3	3	3	\$1,665
Robert Lee	Coke	2020	\$0	\$1,672	3	3	3	3	3	3	\$1,672
County-Other	Runnels	2020	\$0	\$1,953	2	2	2	2	2	2	\$1,988
San Angelo	Tom Green	2020	\$0	\$448	459	532	558	592	629	668	\$444
Snyder	Scurry	2020	\$0	\$957	41	47	51	55	59	93	\$1,606
Santa Anna	Coleman	2020	\$0	\$1,623	3	4	4	4	4	4	\$589
County-Other	Scurry	2020	\$0	\$863	20	22	24	26	28	30	\$720

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					2020	2030	2040	2050	2060	2070	
Sonora	Sutton	2020	\$0	\$1,187	9	9	9	10	10	10	\$1,152
Southwest Sandhills WSC	Ward	2020	\$0	\$863	20	22	24	26	28	30	\$589
Stanton	Martin	2020	\$0	\$1,199	8	9	10	10	11	11	\$1,124
Sterling City	Sterling	2020	\$0	\$1,759	3	3	3	3	3	3	\$1,718
Tom Green County FWSD 3	Tom Green	2020	\$0	\$1,616	3	4	4	4	5	5	\$1,409
Wickett	Ward	2020	\$0	\$2,487	2	2	2	2	2	2	\$2,240
Wink	Winkler	2020	\$0	\$1,665	3	4	4	4	4	5	\$1,449
Winters	Runnels	2020	\$0	\$1,191	17	12	9	9	9	9	\$1,183

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					2020	2030	2040	2050	2060	2070	
Zephyr WSC	Brown	2020	\$0	\$1,091	13	13	13	13	13	13	\$1,087
New or Additional Treatment											
<i>Bronte</i>	<i>Coke</i>	<i>2030</i>	<i>\$10,270,000</i>	<i>\$1,720</i>	<i>0</i>	<i>800</i>	<i>800</i>	<i>800</i>	<i>800</i>	<i>800</i>	<i>\$816</i>
<i>Odessa</i>	<i>Ector</i>	<i>2030</i>	<i>\$83,062,000</i>	<i>\$1,111</i>	<i>0</i>	<i>15,700</i>	<i>15,700</i>	<i>15,700</i>	<i>15,700</i>	<i>15,700</i>	<i>\$738</i>
<i>Big Spring</i>	<i>Howard</i>	<i>2030</i>	<i>\$104,651,000</i>	<i>\$1,128</i>	<i>0</i>	<i>11,210</i>	<i>11,210</i>	<i>11,210</i>	<i>11,210</i>	<i>11,210</i>	<i>\$471</i>
Brady	McCulloch	2020	\$29,719,000	\$2,069	1,200	1,200	1,200	1,200	1,200	1,200	\$327
Mason	Mason	2020	\$2,605,000	\$856	700	700	700	700	700	700	\$594
Midland	Multiple	2040	\$60,804,000	\$1,701	0	0	5,899	6,101	6,235	6,327	\$1,025
Pecos	Reeves	2030	\$27,680,000	\$754	0	3,360	3,360	3,360	3,360	3,360	\$319
Rehabilitation/Replacement of Infrastructure											
<i>Bronte</i>	<i>Coke</i>	<i>2030</i>	<i>\$9,896,000</i>	<i>\$1,748</i>	<i>0</i>	<i>450</i>	<i>450</i>	<i>450</i>	<i>450</i>	<i>450</i>	<i>\$202</i>
<i>Pecos County WCID #1</i>	<i>Pecos</i>	<i>2020</i>	<i>\$26,102,000</i>	<i>\$2,767</i>	<i>750</i>	<i>750</i>	<i>750</i>	<i>750</i>	<i>750</i>	<i>750</i>	<i>\$317</i>
Reuse											
Steam Electric Power	Mitchell	2020	\$8,642,000	\$1,428	500	500	500	500	500	500	\$212
San Angelo	Multiple	2020	\$116,861,000	\$1,250	8,400	8,400	8,400	8,400	8,400	8,400	\$269
Pecos	Reeves	2030	\$29,541,000	\$4,961		925	925	925	925	925	\$2,443

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					2020	2030	2040	2050	2060	2070	
Pecos	Reeves	2020	\$8,707,000	\$1,286	560	560	560	560	560	560	\$191
Subordination											
Ballinger	Runnels	2020	\$0	\$0	794	751	750	748	753	791	\$0
County-Other	Runnels	2020	\$0	\$0	23	21	19	18	18	19	\$0
North Runnels WSC	Runnels	2020	\$0	\$0	86	86	87	87	87	89	\$0
Brady	McCulloch	2020	\$0	\$0	841	841	841	841	841	841	\$0
Steam Electric Power	Mitchell	2020	\$0	\$0	1,170	1,156	1,142	1,128	1,114	1,100	\$0
Junction	Kimble	2020	\$0	\$0	250	250	250	250	250	250	\$0
Manufacturing	Kimble	2020	\$0	\$0	228	228	228	228	228	228	\$0
Abilene ^a	Taylor, Jones	2020	\$0	\$0	329	359	391	421	453	483	\$0
Midland ^a	Midland	2020	\$0	\$0	2,173	359	391	421	453	483	\$0
Millersview-Doole WSC	Tom Green	2020	\$0	\$0	52	0	0	0	9	62	\$0
Odessa	Ector	2020	\$0	\$0	2,451	0	0	3,492	7,263	11,493	\$0
Ector County Utility District	Ector	2020	\$0	\$0	234	0	0	332	694	1,097	\$0
Irrigation	Ector	2020	\$0	\$0	157	0	0	162	312	449	\$0
Irrigation	Midland	2020	\$0	\$0	3	0	0	2	6	8	\$0
Manufacturing	Ector	2020	\$0	\$0	186	0	0	199	381	551	\$0
Steam Electric Power	Ector	2020	\$0	\$0	109	0	0	114	219	316	\$0
Big Spring	Howard	2020	\$0	\$0	611	0	0	647	1,233	1,785	\$0
Coahoma	Howard	2020	\$0	\$0	51	0	0	56	105	152	\$0
Manufacturing	Howard	2020	\$0	\$0	147	0	0	153	293	424	\$0
Steam Electric Power	Howard	2020	\$0	\$0	21	0	0	22	40	59	\$0
Snyder	Scurry	2020	\$0	\$0	194	0	0	256	524	814	\$0
County-Other	Scurry	2020	\$0	\$0	29	0	0	31	59	85	\$0
Rotan	Fisher	2020	\$0	\$0	18	0	0	17	32	46	\$0
Stanton	Martin	2020	\$0	\$0	31	0	0	33	62	90	\$0
Irrigation	Coleman	2020	\$0	\$0	400	400	400	400	400	400	\$0
Coleman	Coleman	2020	\$0	\$0	1,319	1,296	1,276	1,255	1,227	1,200	\$0
Coleman County SUD	Coleman	2020	\$0	\$0	227	225	218	214	215	215	\$0
County-Other	Coleman	2020	\$0	\$0	24	22	22	21	21	21	\$0
Manufacturing	Coleman	2020	\$0	\$0	2	2	2	2	2	2	\$0

Table F-1
Summary of Recommended Strategies

Entity	County Used	Expected Online	Capital Cost	First Decade Unit Cost (\$/ac-ft/yr)	Total Yield						Last Decade Unit Cost (\$/ac-ft/yr)
					2020	2030	2040	2050	2060	2070	
County-Other	Tom Green	2020	\$0	\$0	70	70	70	70	70	70	\$0
Bronte	Coke	2020	\$0	\$0	212	210	209	207	207	207	\$0
Robert Lee	Coke	2020	\$0	\$0	237	239	240	240	240	240	\$0
San Angelo ^a	Tom Green	2020	\$0	\$0	1,875	1,819	1,766	1,709	1,656	1,600	\$0
Upper Colorado River Authority	Tom Green	2020	\$0	\$0	42	37	33	30	26	23	\$0
Goodfellow Air Force Base	Tom Green	2020	\$0	\$0	44	42	40	38	35	33	\$0
Manufacturing	Tom Green	2020	\$0	\$0	37	36	32	29	26	22	\$0
Winters	Runnels	2020	\$0	\$0	100	99	98	98	98	97	\$0
Irrigation	Menard	2020	\$0	\$0	537	537	537	537	537	537	\$0
Menard	Menard	2020	\$0	\$0	1,000	1,000	1,000	1,000	1,000	1,000	\$0
Brady Creek (non-allocated)	McCulloch	2020	\$0	\$0	1,109	1,069	1,029	989	949	909	\$0
BCWID (non-allocated)	Brown	2020	\$0	\$0	5,440	5,466	5,492	5,518	5,544	5,570	\$0
CRMWD (non-allocated)	Tom Green	2020	\$0	\$0	19,749	19,911	18,533	13,002	7,245	972	\$0
Oak Creek (non-allocated)	Coke	2020	\$0	\$0	577	540	503	468	431	394	\$0
Lake Colorado City (non-allocated)	Mitchell	2020	\$0	\$0	1,800	1,750	1,700	1,650	1,600	1,550	\$0
Odessa (Future Sales)	Ector, Midland	2020	\$0	\$0	3,930	3,930	3,930	3,930	3,930	3,930	\$0
Manufacturing, Howard (Future Sales)	Howard	2030	\$0	\$0	0	500	500	500	500	500	\$0
Greater Gardendale WSC (Future Sales)	Ector	2030	\$0	\$0	0	375	445	445	445	445	\$0
County-Other (Future Sales)	Ector	2030	\$0	\$0	0	1,200	2,500	2,500	2,500	2,500	\$0
County-Other (Future Sales)	Scurry	2020	\$0	\$0	373	414	447	491	547	607	\$0
Voluntary Transfer (Purchase)											
Robert Lee	Coke	2020	\$0	\$0	80	80	80	80	80	80	\$0
Concho Rural WSC	Ector	2020	\$0	\$0	50	50	50	50	50	50	\$0

Table F-1
Summary of Recommended Strategies

Entity	County Used	Expected Online	Capital Cost	First Decade Unit Cost (\$/ac-ft/yr)	Total Yield						Last Decade Unit Cost (\$/ac-ft/yr)
					2020	2030	2040	2050	2060	2070	
Greater Gardendale WSC	Ector	2020	\$6,078,000	\$3,730	0	375	445	445	445	445	\$2,769
Winters	Runnels	2020	\$974,000	\$668	212	212	212	212	212	212	\$355
County-Other	Scurry	2020	\$0	\$0	373	414	447	491	547	607	\$0
Water Audits and Leak Repairs											
Brooksmith SUD	Brown	2020	\$1,737,000	\$1,509	80	80	78	77	77	77	\$1,584
Coleman	Coleman	2020	\$1,074,800	\$1,282	59	58	57	57	57	57	\$1,340
Millersview-Doole WSC	Tom Green	2020	\$965,800	\$1,045	65	66	65	66	67	68	\$1,076
Sonora	Sutton	2020	\$679,900	\$451	106	112	114	116	117	118	\$438
Zephyr WSC	Brown	2020	\$944,700	\$3,498	19	19	18	18	18	18	\$3,732
Weather Modification											
Irrigation	Crocket	2020	\$0	\$0.47	1	1	1	1	1	1	\$0.47
Irrigation	Irion	2020	\$0	\$0.21	202	202	202	202	202	202	\$0.21
Irrigation	Pecos	2020	\$0	\$5.45	106	106	106	106	106	106	\$5.45
Irrigation	Reagan	2020	\$0	\$0.19	1,869	1,869	1,869	1,869	1,869	1,869	\$0.19
Irrigation	Reeves	2020	\$0	\$1.13	326	326	326	326	326	326	\$1.13
Irrigation	Schleicher	2020	\$0	\$0.23	275	275	275	275	275	275	\$0.23
Irrigation	Sterling	2020	\$0	\$0.39	48	48	48	48	48	48	\$0.39
Irrigation	Sutton	2020	\$0	\$0.45	34	34	34	34	34	34	\$0.45
Irrigation	Tom Green	2020	\$0	\$0.44	2,007	2,007	2,007	2,007	2,007	2,007	\$0.44
Irrigation	Ward	2020	\$0	\$0.57	259	259	259	259	259	259	\$0.57
West Texas Water Partnership^b											
Abilene	Multiple	2030	\$549,093,000	\$1,783	0	8,400	8,400	8,400	8,400	8,400	\$403
Midland					0	15,000	15,000	15,000	15,000	15,000	
San Angelo					0	5,000	5,000	5,000	5,000	5,000	

Note: Grey italics indicates projects that are needed to access supplies from other strategies and are not included in the total to avoid double counting.

a. Subordination supply is based on a contract for 16.54% of the safe yield of Lake Ivie. This supply changes with the implementation of the West Texas Water Partnership

b. Capital and unit costs for the West Texas Water Partnership will be shared between the partnership (Abilene, Midland, and San Angelo).

Table F-2
Summary of Alternative Strategies

Entity	County Used	Expected Implementation Date	Capital Cost	First Decade Unit Cost (\$/ac-ft/yr)	Total Yield						Last Decade Unit Cost (\$/ac-ft/yr)	
					2020	2030	2040	2050	2060	2070		
Desalination												
San Angelo	Tom Green	2030	\$70,709,000	\$1,062	0	11,210	11,210	11,210	11,210	11,210	11,210	\$618
Develop Capitan Reef Complex Aquifer Supplies												
Odessa	Ward	2040	\$154,165,000	\$2,175	0	0	8,400	8,400	8,400	8,400	8,400	\$884
Develop Dockum Aquifer Supplies												
Colorado City	Mitchell	2020	\$3,744,000	\$1,824	170	170	170	170	170	170	170	\$276
Develop Edwards-Trinity Plateau Aquifer Supplies												
Andrews	Andrews	2020	\$24,927,000	\$891	2,600	2,600	2,600	2,600	2,600	2,600	2,600	\$217
County-Other	Andrews	2020	\$751,000	\$252	250	250	250	250	250	250	250	\$40
San Angelo	Schleicher	2040	\$102,100,000	\$1,800	0	0	4,500	4,500	4,500	4,500	4,500	\$209
Livestock	Andrews	2020	\$327,000	\$433	60	60	60	60	60	60	60	\$50
Manufacturing	Andrews	2020	\$591,000	\$243	210	210	210	210	210	210	210	\$43
Robert Lee-	Nolan	2030	\$4,145,000	\$4,293	0	75	75	75	75	75	75	\$400
Robert Lee	Tom Green	2030	\$7,272,000	\$3,756	0	160	160	160	160	160	160	\$556
Develop Ellenburger-San Saba Aquifer Supplies												
BCWID #1	Brown	2030	\$70,199,000	\$1,754	0	5,600	5,600	5,600	5,600	5,600	5,600	\$872
Develop Hickory Aquifer Supplies												
Menard	Menard	2030	\$3,287,000	\$1,320	0	200	200	200	200	200	200	\$165
Develop Ogallala Aquifer Supplies												
Andrews	Andrews	2020	\$15,663,000	\$496	2,810	2,810	2,810	2,810	2,810	2,810	2,810	\$104
Great Plains	Andrews, Gaines	2020	\$380,000	\$190	200	200	200	200	200	200	200	\$55
Develop Other Aquifer Supplies												
Bronte	Coke	2030	\$23,694,000	\$2,424	0	800	800	800	800	800	800	\$340
Bronte	Runnels	2030	\$23,694,000	\$2,424	0	800	800	800	800	800	800	\$340
Develop Additional Groundwater Supplies												
CRMWD	Western Region F Counties	2040	\$147,558,000	\$1,348	0	0	10,000	10,000	10,000	10,000	10,000	\$310
Odessa	Pecos	2040	\$826,808,000	\$3,249	0	0	11,200	28,000	28,000	28,000	28,000	\$1,172
San Angelo	Pecos	2040	\$327,576,000	\$2,604	0	0	10,800	10,800	10,800	10,800	10,800	\$470
New or Additional Water Treatment												
Robert Lee	Coke	2030	\$6,541,000	\$2,657	0	335	335	335	335	335	335	\$1,284
Potable Reuse with Aquifer Storage and Recovery												
Pecos	Reeves	2030	\$34,456,000	\$6,788	0	695	695	695	695	695	695	\$3,301