

Texas Water Development Board



2016 Region M Water Plan

Appendix C: Potentially Feasible Water Management Strategies

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County	Entity	WMS Name	WMS Category	Capital Cost Year of Implementation	Max Unit Cost (\$/AY)	2020 Unit Cost (\$/AF)	2030 Unit Cost (\$/AF)	2040 Unit Cost (\$/AF)	2050 Unit Cost (\$/AF)	2060 Unit Cost (\$/AF)	2070 Unit Cost (\$/AF)	Max Yield (AF/Y)	2020 Yield (AF/Y)	2030 Yield (AF/Y)	2040 Yield (AF/Y)	2050 Yield (AF/Y)	2060 Yield (AF/Y)	2070 Yield (AF/Y)	Status
Cameron	Adam Gardens Irrigation District	Irrigation District Conservation	Irrigation District Conservation	\$424,495	\$41	\$41	\$36	\$1	\$0	-\$1	-\$2	1,898	500	783	1,065	1,344	1,620	1,898	Recommended
Cameron	Bayview Irrigation District No. 11	Irrigation District Conservation	Irrigation District Conservation	\$8,658,699	\$380	\$380	\$297	-\$4	-\$4	-\$4	-\$4	3,142	1,750	2,256	2,466	2,684	2,907	3,142	Recommended
Cameron	Brownsville Irrigation District	Irrigation District Conservation	Irrigation District Conservation	\$12,863,514	\$442	\$442	\$400	-\$3	-\$3	-\$3	-\$3	3,495	2,264	2,513	2,761	3,006	3,247	3,495	Recommended
Cameron	Brownsville Public Utilities Board	Seawater Desalination Implementation	Seawater Desalination	\$393,497,000	\$3,889	\$0	\$0	\$0	\$0	\$3,889	\$3,889	28,000	0	0	0	0	28,000	28,000	Recommended
Cameron	Brownsville Public Utilities Board	Non-Potable Water Reuse Pipeline	Direct Reuse	\$32,271,000	\$1,094	\$1,094	\$1,094	\$694	\$694	\$694	\$694	6,721	6,721	6,721	6,721	6,721	6,721	6,721	Recommended
Cameron	Brownsville Public Utilities Board	Southside WWTP Potable Reuse	Direct Reuse	\$36,282,000	\$1,651	\$0	\$1,651	\$1,651	\$892	\$1,153	\$1,153	5,000	0	4,000	4,000	4,000	5,000	5,000	Recommended
Cameron	Brownsville Public Utilities Board	Banco Morales Reservoir	Storage	\$8,853,000	\$168	\$168	\$168	\$168	\$168	\$24	\$24	3,906	3,835	3,849	3,864	3,878	3,892	3,906	Recommended
Cameron	Brownsville Public Utilities Board	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$652	\$652	\$652	\$652	\$652	\$652	2,880	1,081	2,695	2,421	2,396	2,608	2,880	Recommended
Cameron	Brownsville Public Utilities Board	Seawater Desalination Demonstration - Build-Out	Seawater Desalination	\$56,002,000	\$5,522	\$5,522	\$5,522	\$3,841	\$3,841	\$0	\$0	2,800	2,800	2,800	2,800	2,800	0	0	Recommended
Cameron	Brownsville Public Utilities Board	Resaca Restoration	Storage	\$12,396,000	\$1,182	\$1,182	\$1,182	\$0	\$0	\$0	\$0	877	877	877	877	877	877	877	Recommended
Cameron	Brownsville Public Utilities Board	Brownsville/Matamoros Weir and Reservoir	Storage	\$20,508,000	\$77	\$77	\$77	\$77	\$77	\$10	\$10	19,532	19,176	19,216	19,256	19,296	19,336	19,532	Alternative
Cameron	Brownsville Public Utilities Board	Southmost Regional Water Authority – Microfiltration	Brackish Groundwater		\$0	\$0	\$0	\$0	\$0	\$0	\$0	5,600	5,600	5,600	5,600	5,600	5,600	5,600	Not Recommended
Cameron	Cameron County Irrigation District No. 16	Irrigation District Conservation	Irrigation District Conservation	\$1,393,698	\$395	\$395	\$394	-\$7	-\$7	-\$7	-\$7	345	272	274	292	310	327	345	Recommended
Cameron	Cameron County Irrigation District No. 2	Irrigation District Conservation	Irrigation District Conservation	\$63,144,906	\$668	\$668	\$482	\$1	\$0	-\$1	-\$1	17,656	8,264	10,316	12,167	14,002	15,820	17,656	Recommended
Cameron	Cameron County Irrigation District No. 6	Irrigation District Conservation	Irrigation District Conservation	\$24,587,310	\$386	\$386	\$324	-\$1	-\$2	-\$2	-\$2	9,810	4,902	5,909	6,892	7,867	8,834	9,810	Recommended
Cameron	Cameron County Water Improvement District No. 10	Irrigation District Conservation	Irrigation District Conservation	\$2,019,664	\$394	\$394	\$315	-\$5	-\$5	-\$4	-\$4	669	395	498	539	580	623	669	Recommended
Cameron	Combes	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$0	\$652	\$652	\$652	\$652	74	0	0	5	21	45	74	Recommended
Cameron	Combes	Brackish Groundwater Desalination Plant	Brackish Groundwater	\$3,891,000	\$5,320	\$0	\$0	\$0	\$5,320	\$5,320	\$2,712	125	0	0	0	125	125	125	Alternative
Cameron	County-Other	Expand Groundwater Supply	Fresh Groundwater	\$5,880,000	\$236	\$236	\$236	\$28	\$28	\$28	\$28	4,500	4,500	4,500	4,500	4,500	4,500	4,500	Recommended
Cameron	County-Other	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$652	\$652	\$652	\$652	\$652	\$652	2,118	230	506	776	1,143	1,607	2,118	Recommended
Cameron	County-Other	Acquisition of Water Rights through Urbanization	Acquisition of Water Rights	\$147,500	\$211	\$211	\$211	\$211	\$211	\$211	\$211	1,777	59	1,777	283	283	283	283	Recommended
Cameron	East Rio Hondo WSC	Surface Water Treatment Plant (Phase I)	Surface Water Treatment	\$34,794,000	\$5,963	\$5,963	\$5,963	\$2,324	\$2,324	\$2,324	\$2,324	800	800	800	800	800	800	800	Recommended
Cameron	East Rio Hondo WSC	North Cameron Regional WTP Wellfield Expansion	Brackish Groundwater	\$1,881,000	\$843	\$843	\$843	\$713	\$713	\$713	\$713	400	400	400	400	400	400	400	Recommended
Cameron	East Rio Hondo WSC	Harlingen WW Interconnect	Distribution & Transmission	\$3,268,000	\$1,768	\$1,768	\$1,768	\$232	\$0	\$0	\$0	112	112	112	112	112	0	0	Recommended
Cameron	East Rio Hondo WSC	FM 2925 Water Transmission Line	Municipal Conservation	\$5,089,000	\$16,000	\$16,000	\$16,000	\$1,800	\$1,800	\$1,800	\$1,800	30	30	30	30	30	30	30	Recommended
Cameron	East Rio Hondo WSC	Municipal (UV Disinfection FM 510 WTP)	Municipal Conservation	\$687,000	\$24,286	\$24,286	\$24,286	\$19,545	\$19,545	\$19,545	\$19,545	11	11	11	11	11	11	11	Recommended
Cameron	East Rio Hondo WSC	Surface Water Treatment (Phase II)	Surface Water Treatment	\$14,540,000	\$774	\$0	\$0	\$0	\$774	\$774	\$287	2,500	0	0	0	2,500	2,500	2,500	Alternative
Cameron	East Rio Hondo WSC	Other distribution as needed for new sources of water	Distribution & Transmission		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended
Cameron	East Rio Hondo WSC	FM 510 to SH 100 16" Transmission Pipeline	Distribution & Transmission		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended
Cameron	East Rio Hondo WSC	Interconnect with BPUB, SRWA, or RGRQA	Distribution & Transmission	\$3,268,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended
Cameron	East Rio Hondo WSC	Partial AMI	Municipal Conservation		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended
Cameron	El Jardin WSC	Brackish Desalination Plant	Brackish Groundwater	\$8,272,000	\$2,557	\$2,557	\$2,557	\$1,320	\$1,320	\$1,320	\$1,320	560	560	560	560	560	560	560	Recommended
Cameron	El Jardin WSC	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$0	\$652	\$652	\$652	\$652	438	0	0	37	138	275	438	Recommended
Cameron	El Jardin WSC	Distribution Pipeline Replacement	Municipal Conservation	\$23,421,000	\$192,909	\$192,909	\$192,909	\$14,727	\$14,727	\$14,727	\$14,727	11	11	11	11	11	11	11	Recommended
Cameron	El Jardin WSC	Acquisition of Water Rights through Urbanization	Acquisition of Water Rights	\$210,000	\$211	\$0	\$0	\$0	\$211	\$211	\$211	563	0	0	84	258	418	563	Not Recommended
Cameron	Harlingen	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$652	\$652	\$652	\$652	\$652	\$652	5,974	401	1,540	2,260	3,258	4,523	5,974	Recommended
Cameron	Harlingen	Harlingen Wastewater Treatment Plant 2 Potable Reuse	Direct Reuse	\$19,164,000	\$1,957	\$0	\$0	\$1,957	\$1,957	\$1,078	\$1,078	1,825	0	0	1,825	1,825	1,825	1,825	Recommended
Cameron	Harlingen	Brackish Groundwater Desalination Plant	Brackish Groundwater	\$12,327,000	\$2,180	\$0	\$0	\$2,180	\$2,180	\$1,149	\$1,149	1,000	0	0	1,000	1,000	1,000	1,000	Alternative
Cameron	Harlingen	Non-potable Reuse Project	Direct Reuse	\$6,898,000	\$1,678	\$1,678	\$1,678	\$826	\$826	\$826	\$826	677	677	677	677	677	677	677	Alternative
Cameron	Harlingen Irrigation District	Irrigation District Conservation	Irrigation District Conservation	\$3,262,278	\$213	\$213	\$79	\$19	\$12	\$8	\$6	15,136	1,137	3,965	6,775	9,572	12,351	15,136	Recommended
Cameron	Indian Lake	Brackish Groundwater Desalination Plant	Brackish Groundwater		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended
Cameron	Indian Lake	Advanced Municipal Water Conservation	Municipal Conservation		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended
Cameron	Irrigation - Nueces-Rio Grande	On-Farm Conservation	On-Farm Conservation		\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	40,989	40,989	40,989	40,989	40,989	40,989	40,989	Recommended
Cameron	Irrigation - Nueces-Rio Grande	Biological Control of A. Donax	Brush Control	\$172,000	\$49	\$49	\$49	\$49	\$49	\$49	\$49	1,560	1,022	1,125	1,230	1,340	1,453	1,560	Recommended
Cameron	Irrigation - Nueces-Rio Grande	Brush Control	Brush Control		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Recommended
Cameron	Irrigation - Rio Grande	On-Farm Conservation	On-Farm Conservation		\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	2,616	2,616	2,616	2,616	2,616	2,616	2,616	Recommended

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Cameron	Irrigation - Rio Grande	Biological Control of A. Donax	Brush Control	\$172,000	\$49	\$49	\$49	\$49	\$49	\$49	\$49	100	65	72	79	86	93	100	Recommended	
Cameron	Irrigation - Rio Grande	Brush Control	Brush Control		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	0	Recommended
Cameron	La Feria Irrigation District No. 3	Irrigation District Conservation	Irrigation District Conservation	\$51,300,000	\$460	\$460	\$455	-\$5	-\$5	-\$5	-\$5	9,218	8,750	8,843	8,938	9,028	9,114	9,218	Recommended	
Cameron	La Feria	Brackish Groundwater Desalination	Brackish Groundwater	\$6,260,000	\$1,163	\$1,163	\$1,163	\$695	\$695	\$695	\$695	1,120	1,120	1,120	1,120	1,120	1,120	1,120	Recommended	
Cameron	La Feria	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$0	\$652	\$652	\$652	\$652	289	0	0	25	91	181	289	Recommended	
Cameron	La Feria	Rainwater Harvesting	Municipal Conservation	\$204,000	\$831	\$831	\$831	\$125	\$125	\$125	\$125	24	24	24	24	24	24	24	Recommended	
Cameron	La Feria	Non-Potable Wastewater Reuse	Direct Reuse	\$2,830,000	\$2,834	\$2,834	\$2,834	\$1,469	\$1,469	\$1,469	\$1,469	174	174	174	174	174	174	174	Alternative	
Cameron	Laguna Madre Water District	Brackish Groundwater Desalination Plant	Brackish Groundwater	\$22,564,000	\$1,773	\$1,773	\$1,773	\$930	\$930	\$930	\$930	2,240	2,240	2,240	2,240	2,240	2,240	2,240	Recommended	
Cameron	Laguna Madre Water District	Potable Reuse	Direct Reuse	\$13,613,000	\$2,865	\$2,865	\$2,865	\$1,476	\$1,476	\$1,476	\$1,476	820	820	820	820	820	820	820	Recommended	
Cameron	Laguna Madre Water District	Seawater Desalination Plant	Seawater Desalination	\$29,609,000	\$7,175	\$7,175	\$7,175	\$4,963	\$4,963	\$4,963	\$4,963	1,120	1,120	1,120	1,120	1,120	1,120	1,120	Alternative	
Cameron	Laguna Madre Water District	Non-potable Reuse	Direct Reuse	\$3,931,000	\$1,929	\$1,929	\$1,929	\$989	\$989	\$989	\$989	350	350	350	350	350	350	350	Alternative	
Cameron	Laguna Vista	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$652	\$652	\$652	\$652	\$652	\$652	1,999	182	451	768	1,138	1,550	1,999	Recommended	
Cameron	Laguna Vista	Seawater Desalination Plant	Seawater Desalination		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended	
Cameron	Los Fresnos	Brackish Groundwater Desalination Plant	Brackish Groundwater		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended	
Cameron	Los Fresnos	Advanced Municipal Water Conservation	Municipal Conservation		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended	
Cameron	Los Indios	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$0	\$0	\$652	\$652	\$652	26	0	0	0	2	13	26	Recommended	
Cameron	Manufacturing - Nueces-Rio Grande	Acquisition of Water Rights through Urbanization	Acquisition of Water Rights	\$425,000	\$211	\$0	\$0	\$211	\$211	\$211	\$211	808	0	0	170	470	365	808	Recommended	
Cameron	Manufacturing - Nueces-Rio Grande	Implementation of Best Management Practices	Industrial Conservation		\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	683	471	511	551	586	632	683	Recommended	
Cameron	Military Highway WSC	Acquisition of Water Rights through Urbanization	Acquisition of Water Rights	\$510,000	\$143	\$143	\$143	\$143	\$143	\$143	\$143	4,550	300	1,100	1,800	2,550	3,650	4,550	Recommended	
Cameron	Military Highway WSC	Expand Existing Groundwater Wells (Cameron County)	Fresh Groundwater	\$5,373,000	\$1,254	\$1,254	\$1,254	\$534	\$534	\$534	\$534	625	625	625	625	625	625	625	Recommended	
Cameron	Mining - Nueces-Rio Grande	Implementation of Best Management Practices	Industrial Conservation		\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	28	26	28	19	13	6	3	Recommended	
Cameron	North Alamo WSC	North Cameron Regional WTP Wellfield Expansion	Brackish Groundwater	\$1,881,000	\$843	\$843	\$843	\$713	\$713	\$713	\$713	800	800	800	800	800	800	800	Recommended	
Cameron	Olmito WSC	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$652	\$652	\$652	\$652	\$652	\$652	346	22	85	140	196	265	346	Recommended	
Cameron	Olmito WSC	Acquisition of Water Rights through Urbanization	Acquisition of Water Rights	\$340,000	\$143	\$143	\$143	\$143	\$143	\$143	\$143	300	200	200	200	300	300	300	Recommended	
Cameron	Olmito WSC	Brackish Desalination Plant	Brackish Groundwater	\$8,400,000	\$2,582	\$2,582	\$2,582	\$1,327	\$1,327	\$1,327	\$1,327	560	560	560	560	560	560	560	Alternative	
Cameron	Palm Valley	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$652	\$652	\$652	\$652	\$652	\$652	131	8	31	52	73	100	131	Recommended	
Cameron	Port Isabel	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$652	\$652	\$652	\$652	\$652	\$652	810	52	170	318	500	654	810	Recommended	
Cameron	Primera	Brackish Groundwater Desalination	Brackish Groundwater	\$14,318,000	\$2,190	\$2,190	\$2,190	\$1,121	\$1,121	\$1,121	\$1,121	1,120	1,120	1,120	1,120	1,120	1,120	1,120	Recommended	
Cameron	Primera	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$0	\$652	\$652	\$652	\$652	102	0	0	9	31	63	102	Recommended	
Cameron	Rancho Viejo	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$652	\$652	\$652	\$652	\$652	\$652	652	50	135	239	361	500	652	Recommended	
Cameron	Rio Hondo	Emergency Interconnects	Distribution & Transmission	\$2,470,000	\$3,167	\$3,167	\$3,167	\$210	\$210	\$210	\$210	70	70	70	70	70	70	70	Recommended	
Cameron	Rio Hondo	Advanced Municipal Water Conservation	Municipal Conservation		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended	
Cameron	Rio Hondo	Water Loss Audit, Meter and Pipe Replacement	Municipal Conservation		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended	
Cameron	San Benito	Groundwater Supply	Brackish Groundwater	\$2,033,000	\$181	\$181	\$181	\$29	\$29	\$29	\$29	1,120	1,120	1,120	1,120	1,120	1,120	1,120	Recommended	
Cameron	San Benito	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$0	\$0	\$652	\$652	\$652	750	0	0	0	146	420	750	Recommended	
Cameron	San Benito	Potable Reuse of Treated Effluent From City's Wastewater Treatment Plant	Direct Reuse	\$11,303,000	\$1,349	\$1,349	\$1,349	\$504	\$504	\$504	\$732	3,360	1,120	1,120	1,120	1,120	1,120	1,120	Alternative	
Cameron	San Benito	Non-Potable Reuse of Treated Effluent From City's Wastewater Treatment Plant	Direct Reuse	\$1,921,000	\$192	\$192	\$192	\$48	\$48	\$48	\$48	1,120	1,120	1,120	1,120	1,120	1,120	1,120	Alternative	
Cameron	Santa Rosa	Acquisition of Water Rights through Urbanization	Acquisition of Water Rights	\$42,500	\$143	\$0	\$143	\$143	\$143	\$143	\$143	175	0	25	50	100	150	175	Recommended	
Cameron	Santa Rosa	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$0	\$0	\$0	\$652	\$652	24	0	0	0	0	1	24	Recommended	
Cameron	Santa Rosa	Brackish Desalination Plant	Brackish Groundwater	\$8,272,000	\$2,559	\$0	\$2,559	\$2,559	\$1,323	\$1,323	\$1,323	560	0	560	560	560	560	560	Alternative	
Cameron	South Padre Island	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$652	\$652	\$652	\$652	\$652	\$652	2,662	248	606	1,028	1,518	2,065	2,662	Recommended	
Cameron	Steam Elec - Nueces-Rio Grande	Implementation of Best Management Practices	Industrial Conservation		\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	343	152	178	209	248	294	343	Recommended	
Cameron	Valley Acres Irrigation District	Irrigation District Conservation	Irrigation District Conservation	\$2,434,160	\$366	\$366	\$271	\$1	\$1	\$1	\$0	1,394	510	701	855	1,022	1,200	1,394	Recommended	
Cameron	Valley MUD #2	Brackish Groundwater Desalination Plant	Brackish Groundwater	\$3,760,000	\$6,430	\$0	\$0	\$0	\$0	\$6,430	\$6,430	100	0	0	0	0	100	100	Alternative	

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Cameron & Hidalgo	RGRWA	Regional Facility Project - Groundwater, Surface Water, and Reuse	Supply	\$73,608,000	\$3,237	\$3,237	\$2,172	\$1,468	\$1,430	\$1,629	\$1,652	152,500	20,000	50,280	82,630	114,300	133,300	152,500	Alternative
Cameron & Hidalgo	RGRWA	Regional Facility Project - Seawater Desal	Seawater Desalination	\$142,269,000	\$3,237	\$3,237	\$2,172	\$1,468	\$1,430	\$1,629	\$1,652	79,500	5,470	5,470	5,470	21,950	51,500	79,500	Alternative
Cameron & Willacy	East Rio Hondo WSC	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$652	\$652	\$652	\$652	\$652	\$652	1,214	1	58	245	502	830	1,214	Recommended
Cameron, Hidalgo, & Willacy	North Alamo WSC	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$652	\$652	\$652	\$652	\$652	\$652	11,601	860	1,925	3,586	5,792	8,505	11,601	Recommended
Cameron/Hidalgo	Military Highway WSC	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$652	\$652	\$652	\$652	\$652	1,681	0	133	375	719	1,163	1,681	Recommended
Hidalgo	Agua SUD	Acquisition of Water Rights through Urbanization	Acquisition of Water Rights	\$340,000	\$143	\$143	\$143	\$143	\$143	\$143	\$143	2,600	200	400	1,000	1,800	2,600	2,600	Recommended
Hidalgo	Agua SUD	West WWTP Direct Potable Reuse - Phase 2	Direct Reuse	\$8,796,000	\$2,145	\$0	\$0	\$2,145	\$2,145	\$1,500	\$1,500	1,680	0	0	1,680	1,680	1,680	1,680	Recommended
Hidalgo	Agua SUD	East WWTP Direct Potable Reuse - Phase 2	Direct Reuse	\$3,561,000	\$3,881	\$0	\$0	\$0	\$3,881	\$3,881	\$1,649	1,260	0	0	0	1,260	1,260	1,260	Recommended
Hidalgo	Agua SUD	East WWTP Direct Potable Reuse - Phase 1	Direct Reuse	\$13,019,000	\$2,358	\$2,358	\$2,358	\$1,860	\$0	\$0	\$0	1,050	1,050	1,050	1,050	0	0	0	Recommended
Hidalgo	Agua SUD	West WWTP Direct Potable Reuse - Phase 1	Direct Reuse	\$14,455,000	\$2,974	\$2,974	\$2,974	\$0	\$0	\$0	\$0	784	784	784	0	0	0	0	Recommended
Hidalgo	Agua SUD	New Brackish Water Treatment Plant	Brackish Groundwater	\$18,136,000	\$2,616	\$0	\$0	\$0	\$2,616	\$2,616	\$1,363	1,344	0	0	0	1,344	1,344	1,344	Alternative
Hidalgo	Agua SUD	Non-Potable Reuse	Direct Reuse	\$4,026,000	\$2,946	\$2,946	\$2,946	\$1,743	\$1,743	\$1,743	\$1,743	280	280	280	280	280	280	280	Alternative
Hidalgo	Alamo	Groundwater Well	Fresh Groundwater	\$1,181,000	\$113	\$113	\$113	\$25	\$25	\$25	\$25	1,100	1,100	1,100	1,100	1,100	1,100	1,100	Recommended
Hidalgo	Alamo	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$0	\$652	\$652	\$652	\$652	1,097	0	0	159	403	722	1,097	Recommended
Hidalgo	Alamo	Acquisition of Water Rights through Urbanization	Acquisition of Water Rights	\$1,700,000	\$143	\$0	\$0	\$0	\$143	\$143	\$143	1,000	0	0	0	1,000	1,000	1,000	Recommended
Hidalgo	Alamo	Brackish Groundwater Desalination Plant	Brackish Groundwater	\$13,532,000	\$2,655	\$2,655	\$2,655	\$1,392	\$1,392	\$1,392	\$1,392	896	896	896	896	896	896	896	Recommended
Hidalgo	Alamo	Potable Water Reservoir	Storage		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended
Hidalgo	Alton	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$652	\$652	\$652	\$652	\$652	844	0	70	200	376	592	844	Recommended
Hidalgo	County-Other	Acquisition of Water Rights through Urbanization	Acquisition of Water Rights	\$2,640,604	\$211	\$211	\$211	\$211	\$211	\$211	\$211	7,758	1,056	2,782	4,096	5,568	7,047	7,758	Recommended
Hidalgo	County-Other	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$652	\$652	\$652	\$652	\$652	817	0	52	179	353	567	817	Recommended
Hidalgo	Donna	WTP Expansion & Urbanized Water Rights	Surface Water Treatment	\$23,545,000	\$2,512	\$2,512	\$2,512	\$712	\$712	\$359	\$359	2,240	950	950	2,240	2,240	2,240	2,240	Recommended
Hidalgo	Donna	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$0	\$652	\$652	\$652	\$652	698	0	0	4	172	411	698	Recommended
Hidalgo	Donna	Brackish Groundwater Desalination Plant	Brackish Groundwater	\$9,440,000	\$3,357	\$2,349	\$2,349	\$1,220	\$3,357	\$3,357	\$3,357	1,000	700	700	700	1,000	1,000	1,000	Alternative
Hidalgo	Donna	Expand Existing Groundwater Wells	Fresh Groundwater		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended
Hidalgo	Donna Irrigation District	Irrigation District Conservation	Irrigation District Conservation	\$6,379,000	\$468	\$468	\$138	\$15	\$9	\$6	\$4	15,309	989	3,887	6,769	9,629	12,465	15,309	Recommended
Hidalgo	Edcouch	New Groundwater Supply	Fresh Groundwater	\$1,106,000	\$218	\$218	\$218	\$33	\$33	\$33	\$33	500	500	500	500	500	500	500	Recommended
Hidalgo	Edcouch	Acquisition of Water Rights through Urbanization	Acquisition of Water Rights	\$68,000	\$143	\$143	\$143	\$143	\$143	\$143	\$143	100	40	40	40	100	100	100	Recommended
Hidalgo	Edcouch	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$0	\$0	\$0	\$652	\$652	35	0	0	0	0	1	35	Recommended
Hidalgo	Edinburg	Acquisition of Water Rights through Urbanization	Acquisition of Water Rights	\$340,000	\$143	\$143	\$143	\$143	\$143	\$143	\$143	8,000	200	2,100	3,500	5,500	8,000	8,000	Recommended
Hidalgo	Edinburg	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$652	\$652	\$652	\$652	\$652	4,662	0	83	790	1,809	3,125	4,662	Recommended
Hidalgo	Edinburg	Reuse Water (Reclaimed Wastewater) for Cooling Tower and Landscaping Usage	Direct Reuse	\$9,971,000	\$400	\$400	\$400	\$188	\$188	\$188	\$188	3,920	3,920	3,920	3,920	3,920	3,920	3,920	Recommended
Hidalgo	Elsa	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$0	\$0	\$652	\$652	\$652	163	0	0	0	11	79	163	Recommended
Hidalgo	Elsa	Acquisition of Water Rights through Urbanization	Acquisition of Water Rights	\$170,000	\$143	\$0	\$0	\$0	\$0	\$143	\$143	150	0	0	0	0	100	150	Recommended
Hidalgo	Elsa	WTP Expansion and Interconnect to Engleman ID	Surface Water Treatment	\$9,836,000	\$671	\$671	\$671	\$304	\$304	\$304	\$304	2,240	2,240	2,240	2,240	2,240	2,240	2,240	Alternative
Hidalgo	Elsa	New Brackish Water Treatment Plant	Brackish Groundwater	\$8,400,000	\$2,593	\$2,593	\$2,593	\$1,338	\$1,338	\$1,338	\$1,338	560	560	560	560	560	560	560	Alternative
Hidalgo	Elsa	Distribution System Improvements	Distribution & Transmission		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended
Hidalgo	Engelman Irrigation District	Irrigation District Conservation	Irrigation District Conservation	\$4,500,000	\$427	\$427	\$361	\$2	\$2	\$1	\$1	1,352	831	989	1,076	1,165	1,256	1,352	Recommended
Hidalgo	Hidalgo	Acquisition of Water Rights through Urbanization	Acquisition of Water Rights	\$1,000,000	\$211	\$211	\$211	\$211	\$211	\$211	\$211	1,500	400	500	1,050	1,050	1,500	1,500	Recommended
Hidalgo	Hidalgo	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$652	\$652	\$652	\$652	\$652	660	0	11	112	256	442	660	Recommended
Hidalgo	Hidalgo	Expand Existing Groundwater Wells	Fresh Groundwater	\$656,000	\$260	\$260	\$260	\$77	\$77	\$77	\$77	300	300	300	300	300	300	300	Recommended

Appendix C: Potentially Feasible Water Management Strategies

County	Entity	WMS Name	WMS Category	Capital Cost Year of Implementation	Max Unit Cost (\$/AY)	2020 Unit Cost (\$/AF)	2030 Unit Cost (\$/AF)	2040 Unit Cost (\$/AF)	2050 Unit Cost (\$/AF)	2060 Unit Cost (\$/AF)	2070 Unit Cost (\$/AF)	Max Yield (AF/Y)	2020 Yield (AF/Y)	2030 Yield (AF/Y)	2040 Yield (AF/Y)	2050 Yield (AF/Y)	2060 Yield (AF/Y)	2070 Yield (AF/Y)	Status
Hidalgo	Hidalgo County Drainage District No. 1	Delta Watershed Project - Edinburg Lake	Storage	\$27,471,000	\$1,271	\$1,271	\$1,271	\$850	\$850	\$706	\$706	3,739	3,739	3,739	3,739	3,739	3,739	3,739	Recommended
Hidalgo	Hidalgo County Drainage District No. 1	Delta Watershed Project - New Reservoir	Storage	\$30,728,000	\$1,790	\$1,790	\$1,790	\$1,245	\$1,245	\$801	\$801	2,278	2,278	2,278	2,278	2,278	2,278	2,278	Recommended
Hidalgo	Hidalgo County Irrigation District No. 1	Irrigation District Conservation	Irrigation District Conservation	\$54,933,275	\$330	\$330	\$322	\$2	\$1	\$1	\$0	17,370	13,112	13,526	14,495	15,453	16,401	17,370	Recommended
Hidalgo	Hidalgo County Irrigation District No. 13	Irrigation District Conservation	Irrigation District Conservation	\$660,339	\$508	\$508	\$332	\$7	\$5	\$4	\$3	315	102	159	197	235	275	315	Recommended
Hidalgo	Hidalgo County Irrigation District No. 16	Irrigation District Conservation	Irrigation District Conservation	\$3,533,600	\$148	\$148	\$121	-\$19	-\$17	-\$15	-\$14	3,529	1,455	1,875	2,292	2,705	3,116	3,529	Recommended
Hidalgo	Hidalgo County Irrigation District No. 2	Irrigation District Conservation	Irrigation District Conservation	\$14,688,870	\$288	\$288	\$184	\$16	\$11	\$8	\$6	17,313	4,077	6,748	9,408	12,052	14,677	17,313	Recommended
Hidalgo	Hidalgo County Irrigation District No. 5	Irrigation District Conservation	Irrigation District Conservation	\$5,210,000	\$337	\$335	\$337	-\$5	-\$5	-\$5	-\$5	1,215	1,215	1,211	1,207	1,203	1,198	1,196	Recommended
Hidalgo	Hidalgo County Irrigation District No. 6	Irrigation District Conservation	Irrigation District Conservation	\$13,819,638	\$381	\$381	\$348	-\$6	-\$6	-\$6	-\$6	4,214	2,787	3,075	3,362	3,646	3,928	4,214	Recommended
Hidalgo	Hidalgo County Water Control and Improvement District No. 18	Irrigation District Conservation	Irrigation District Conservation	\$569,047	\$366	\$366	\$324	-\$4	-\$5	-\$5	-\$5	203	119	136	153	169	186	203	Recommended
Hidalgo	Hidalgo County Water Improvement District No. 3	Irrigation District Conservation	Irrigation District Conservation	\$9,050,000	\$313	\$313	\$277	\$5	\$4	\$3	\$3	3,937	2,291	2,621	2,950	3,279	3,608	3,937	Recommended
Hidalgo	Hidalgo Municipal Utility District No. 1	Acquisition of Water Rights through Urbanization	Acquisition of Water Rights	\$1,022,000	\$211	\$211	\$211	\$211	\$211	\$211	\$211	1,500	500	500	500	1,500	1,500	1,500	Recommended
Hidalgo	Hidalgo Municipal Utility District No. 1	Irrigation District Conservation	Irrigation District Conservation	\$859,115	\$660	\$366	\$660	-\$18	-\$17	-\$16	-\$15	180	180	100	109	117	126	135	Recommended
Hidalgo	Hidalgo Municipal Utility District No. 1	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$0	\$0	\$0	\$0	\$652	56	0	0	0	0	0	56	Recommended
Hidalgo	Irrigation - Nueces-Rio Grande	On-Farm Conservation	On-Farm Conservation		\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	75,226	75,226	75,226	75,226	75,226	75,226	75,226	Recommended
Hidalgo	Irrigation - Nueces-Rio Grande	Biological Control of A. Donax	Brush Control	\$172,000	\$49	\$49	\$49	\$49	\$49	\$49	\$49	2,775	1,875	2,065	2,249	2,423	2,585	2,775	Recommended
Hidalgo	Irrigation - Nueces-Rio Grande	Brush Control	Brush Control		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Recommended
Hidalgo	Irrigation - Rio Grande	On-Farm Conservation	On-Farm Conservation		\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	3,134	3,134	3,134	3,134	3,134	3,134	3,134	Recommended
Hidalgo	Irrigation - Rio Grande	Biological Control of A. Donax	Brush Control	\$172,000	\$49	\$49	\$49	\$49	\$49	\$49	\$49	116	78	86	94	101	108	116	Recommended
Hidalgo	Irrigation - Rio Grande	Brush Control	Brush Control		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Recommended
Hidalgo	La Joya	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$0	\$0	\$0	\$652	\$652	125	0	0	0	0	56	125	Recommended
Hidalgo	La Joya	Brackish Groundwater Desalination Plant	Brackish Groundwater		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended
Hidalgo	La Villa	Acquisition of Water Rights through Urbanization	Acquisition of Water Rights	\$85,000	\$143	\$143	\$143	\$143	\$143	\$143	\$143	100	50	55	50	50	100	100	Recommended
Hidalgo	La Villa	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$0	\$0	\$652	\$652	\$652	71	0	0	0	17	42	71	Recommended
Hidalgo	La Villa	New Brackish Water Treatment Plant	Brackish Groundwater	\$8,276,000	\$2,559	\$2,559	\$2,559	\$1,321	\$1,321	\$1,321	\$1,321	560	560	560	560	560	560	560	Alternative
Hidalgo	Manufacturing - Nueces-Rio Grande	Acquisition of Water Rights through Urbanization	Acquisition of Water Rights	\$505,000	\$211	\$211	\$211	\$211	\$211	\$211	\$211	2,100	202	551	909	1,222	1,645	2,100	Recommended
Hidalgo	Manufacturing - Nueces-Rio Grande	Implementation of Best Management Practices	Industrial Conservation		\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	784	546	591	636	676	728	784	Recommended
Hidalgo	McAllen	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$652	\$652	\$652	\$652	\$652	\$652	29,468	1,674	5,608	10,888	17,372	23,904	29,468	Recommended
Hidalgo	McAllen	Acquisition of Water Rights through Urbanization	Acquisition of Water Rights	\$1,360,000	\$143	\$0	\$0	\$143	\$143	\$143	\$143	4,700	0	0	800	800	2,240	4,700	Recommended
Hidalgo	McAllen	South WWTP Potable Reuse	Direct Reuse	\$20,143,000	\$2,105	\$0	\$1,885	\$2,105	\$1,593	\$1,444	\$1,212	3,500	0	2,000	2,500	3,500	3,500	3,500	Recommended
Hidalgo	McAllen	Brackish Groundwater Desalination Treatment	Brackish Groundwater	\$31,218,000	\$2,034	\$2,034	\$2,034	\$1,062	\$1,062	\$1,062	\$1,062	2,688	2,688	2,688	2,688	2,688	2,688	2,688	Recommended
Hidalgo	McAllen	North WWTP Potable Reuse	Direct Reuse	\$14,145,000	\$2,353	\$0	\$0	\$2,353	\$2,353	\$989	\$989	2,000	0	0	1,120	2,000	2,000	2,000	Recommended
Hidalgo	McAllen	Raw Water Line Project	Distribution & Transmission	\$1,662,000	\$225	\$225	\$225	\$51	\$51	\$51	\$51	800	800	800	800	800	800	800	Recommended
Hidalgo	McAllen	Non-potable Reuse Project	Direct Reuse	\$12,123,000	\$1,064	\$1,064	\$1,064	\$544	\$544	\$544	\$544	1,950	1,950	1,950	1,950	1,950	1,950	1,950	Alternative
Hidalgo	McAllen	Expand Existing Groundwater Wells	Fresh Groundwater	\$940,000	\$234	\$0	\$234	\$234	\$76	\$146	\$146	1,500	0	500	500	550	1,500	1,500	Alternative
Hidalgo	McAllen	GeoWater	Other		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended
Hidalgo	Mercedes	Potable Reuse	Direct Reuse	\$17,051,000	\$1,958	\$1,958	\$1,958	\$1,104	\$1,104	\$1,104	\$1,104	1,670	1,670	1,670	1,670	1,670	1,670	1,670	Recommended
Hidalgo	Mercedes	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$0	\$652	\$652	\$652	\$652	679	0	0	80	225	433	679	Recommended
Hidalgo	Mercedes	Expand Existing Groundwater Wells	Fresh Groundwater	\$1,001,000	\$223	\$223	\$223	\$73	\$73	\$73	\$73	560	560	560	560	560	560	560	Alternative
Hidalgo	Mercedes	Brackish Groundwater Desalination Plant	Brackish Groundwater	\$12,062,000	\$4,926	\$0	\$0	\$4,926	\$4,926	\$2,607	\$2,607	435	0	0	435	435	435	435	Alternative
Hidalgo	Military Highway WSC	Expand Existing Groundwater Wells (Hidalgo County)	Fresh Groundwater	\$668,000	\$316	\$316	\$316	\$92	\$195	\$195	\$86	625	250	250	250	625	625	625	Alternative
Hidalgo	Mining - Nueces-Rio Grande	Implementation of Best Management Practices	Industrial Conservation		\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	596	264	336	389	447	513	596	Recommended

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County	Entity	WMS Name	WMS Category	Capital Cost Year of Implementation	Max Unit Cost (\$/AY)	2020 Unit Cost (\$/AF)	2030 Unit Cost (\$/AF)	2040 Unit Cost (\$/AF)	2050 Unit Cost (\$/AF)	2060 Unit Cost (\$/AF)	2070 Unit Cost (\$/AF)	Max Yield (AF/Y)	2020 Yield (AF/Y)	2030 Yield (AF/Y)	2040 Yield (AF/Y)	2050 Yield (AF/Y)	2060 Yield (AF/Y)	2070 Yield (AF/Y)	Status
Hidalgo	Mining - Rio Grande	Implementation of Best Management Practices	Industrial Conservation		\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	47	21	26	31	35	40	47	Recommended
Hidalgo	Mission	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$652	\$652	\$652	\$652	\$652	\$652	13,799	925	3,046	5,874	8,424	10,984	13,799	Recommended
Hidalgo	Mission	WWTP Potable Reuse Phase 2	Direct Reuse	\$27,630,000	\$734	\$0	\$0	\$0	\$734	\$734	\$439	7,840	0	0	0	7,840	7,840	7,840	Recommended
Hidalgo	Mission	WWTP Potable Reuse Phase 1	Direct Reuse	\$32,565,000	\$1,572	\$1,572	\$1,572	\$877	\$0	\$0	\$0	3,920	3,920	3,920	3,920	0	0	0	Recommended
Hidalgo	Mission	Acquisition of Water Rights through Urbanization	Acquisition of Water Rights	\$1,020,000	\$143	\$0	\$143	\$143	\$143	\$143	\$143	3,500	0	600	2,100	3,500	3,500	3,500	Recommended
Hidalgo	Mission	Brackish Groundwater Desalination Plant	Brackish Groundwater	\$31,914,000	\$2,070	\$2,070	\$2,070	\$1,077	\$1,077	\$1,077	\$1,077	2,688	2,688	2,688	2,688	2,688	2,688	2,688	Recommended
Hidalgo	Mission	Use of Treated Sewer Effluent to Irrigate City Parks	Direct Reuse		\$244	\$244	\$244	\$46	\$46	\$46	\$46	3,920	3,920	3,920	3,920	800	800	800	Not Recommended
Hidalgo	North Alamo WSC	NAWSC Converted WR and Delta WTP Expansion	Surface Water Treatment	\$28,802,000	\$821	\$0	\$0	\$748	\$821	\$430	\$244	6,160	0	0	4,480	6,160	6,160	6,160	Recommended
Hidalgo	North Alamo WSC	NAWSC Converted WR and Water Treatment Plant No. 5 Expansion	Surface Water Treatment	\$23,794,000	\$654	\$505	\$654	\$210	\$210	\$210	\$210	4,480	1,120	4,480	4,480	4,480	4,480	4,480	Recommended
Hidalgo	North Alamo WSC	Waterline Extension- Phase I and II	Distribution & Transmission		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended
Hidalgo	North Alamo WSC	1 MG Water Tower - Edinburg/Pharr	Distribution & Transmission	\$2,343,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended
Hidalgo	North Alamo WSC	1 MG Water Tower - Mid Valley	Distribution & Transmission	\$2,343,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended
Hidalgo	North Alamo WSC	Plant No. 5 - 16" Waterline Expansion	Distribution & Transmission	\$1,374,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended
Hidalgo	Palmhurst	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$652	\$652	\$652	\$652	\$652	\$652	861	57	166	306	472	659	861	Recommended
Hidalgo	Palmview	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$0	\$652	\$652	\$652	\$652	230	0	0	21	75	145	230	Recommended
Hidalgo	Penitas	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$652	\$652	\$652	\$652	\$652	218	0	5	39	86	147	218	Recommended
Hidalgo	Pharr	Potable Reuse	Direct Reuse	\$38,422,000	\$807	\$807	\$807	\$340	\$340	\$340	\$340	6,721	6,721	6,721	6,721	6,721	6,721	6,721	Recommended
Hidalgo	Pharr	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$0	\$652	\$652	\$652	\$652	2,884	0	0	167	848	1,777	2,884	Recommended
Hidalgo	Pharr	Non-potable Reuse Project	Direct Reuse	\$5,118,000	\$1,696	\$1,696	\$1,696	\$840	\$840	\$840	\$840	500	500	500	500	500	500	500	Alternative
Hidalgo	Pharr	Expand Existing Groundwater Wells	Fresh Groundwater		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended
Hidalgo	Progreso	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$0	\$652	\$652	\$652	\$652	202	0	0	7	55	122	202	Recommended
Hidalgo	San Juan	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$652	\$652	\$652	\$652	\$652	2,128	0	15	330	799	1,411	2,128	Recommended
Hidalgo	San Juan	WTP No. 1 Upgrade and Expansion to include BGD	Brackish Groundwater	\$9,561,000	\$1,058	\$1,058	\$1,058	\$612	\$612	\$612	\$612	1,792	1,792	1,792	1,792	1,792	1,792	1,792	Recommended
Hidalgo	San Juan	Raw Water Reservoir Improvements	Storage		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended
Hidalgo	Santa Cruz Irrigation District No. 15	Irrigation District Conservation	Irrigation District Conservation	\$4,580,709	\$89	\$89	\$71	-\$5	-\$5	-\$5	-\$4	6,217	3,599	4,660	5,040	5,424	5,812	6,217	Recommended
Hidalgo	Sharyland WSC	Acquisition of Water Rights through Urbanization	Acquisition of Water Rights	\$1,173,000	\$143	\$143	\$143	\$143	\$143	\$143	\$143	7,500	690	2,050	3,450	4,950	7,400	7,500	Recommended
Hidalgo	Sharyland WSC	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$652	\$652	\$652	\$652	\$652	\$652	4,164	231	968	1,507	2,235	3,141	4,164	Recommended
Hidalgo	Sharyland WSC	Water Treatment Plant No. 2 Brackish Groundwater Desalination	Brackish Groundwater	\$13,253,000	\$2,630	\$2,630	\$2,630	\$1,398	\$1,398	\$1,398	\$1,398	900	900	900	900	900	900	900	Recommended
Hidalgo	Sharyland WSC	Water Treatment Plant No. 3 Brackish Groundwater Desalination	Brackish Groundwater	\$13,253,000	\$2,630	\$2,630	\$2,630	\$1,398	\$1,398	\$1,398	\$1,398	900	900	900	900	900	900	900	Recommended
Hidalgo	Sharyland WSC	Reservoir at WTP #1 for Additional Storage Capacity	Storage		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended
Hidalgo	Sharyland/ Hidalgo County Improvement District No. 19	Irrigation District Conservation	Irrigation District Conservation	\$2,644,166	\$366	\$366	\$347	-\$9	-\$9	-\$9	-\$9	712	554	586	618	649	680	712	Recommended
Hidalgo	Steam Elec - Nueces-Rio Grande	Acquisition of Water Rights through Urbanization	Acquisition of Water Rights	\$10,357,500	\$211	\$211	\$211	\$211	\$211	\$211	\$211	16,827	318	2,556	5,237	9,035	13,659	16,827	Recommended
Hidalgo	Steam Elec - Nueces-Rio Grande	Implementation of Best Management Practices	Industrial Conservation		\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	3,251	1,415	1,655	1,946	2,302	2,735	3,251	Recommended
Hidalgo	Steam Elec - Nueces-Rio Grande	Additional Groundwater Wells	Fresh Groundwater	\$538,000	\$500	\$500	\$500	\$50	\$50	\$50	\$50	100	100	100	100	100	100	100	Recommended
Hidalgo	Sullivan City	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$0	\$0	\$652	\$652	\$652	118	0	0	0	13	61	118	Recommended
Hidalgo	United Irrigation District	Irrigation District Conservation	Irrigation District Conservation	\$12,000,000	\$134	\$134	\$129	\$4	\$4	\$3	\$2	10,655	7,093	7,499	8,291	9,080	9,864	10,655	Recommended
Hidalgo	United Irrigation District	Off-Channel Reservoir	Storage	\$8,379,000	\$298	\$298	\$298	\$298	\$298	\$35	\$35	2,000	2,000	2,000	2,000	2,000	2,000	2,000	Recommended
Hidalgo	Weslaco	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$652	\$652	\$652	\$652	\$652	\$652	4,032	241	893	1,427	2,144	3,030	4,032	Recommended
Hidalgo	Weslaco	Acquisition of Water Rights through Urbanization	Acquisition of Water Rights	\$1,154,300	\$143	\$143	\$143	\$143	\$143	\$143	\$143	3,500	679	1,375	3,000	3,500	3,500	3,500	Recommended
Hidalgo	Weslaco	North WWTP Potable Reuse	Direct Reuse	\$14,444,000	\$2,378	\$2,378	\$2,378	\$1,298	\$1,298	\$1,738	\$1,738	3,360	1,120	1,120	1,120	1,120	3,360	3,360	Recommended
Hidalgo	Weslaco	Groundwater Development and Blending	Brackish Groundwater	\$980,000	\$159	\$159	\$159	\$13	\$13	\$13	\$13	560	560	560	560	560	560	560	Recommended
Hidalgo	Weslaco	Brackish Groundwater Desalination Plant	Brackish Groundwater	\$17,694,000	\$1,900	\$0	\$1,900	\$1,900	\$991	\$991	\$991	1,630	0	1,630	1,630	1,630	1,630	1,630	Alternative
Hidalgo	Weslaco	Scalping Plants	Direct Reuse	\$1,346,000	\$1,455,000	\$1,455,000	\$1,455,000	\$113,000	\$113,000	\$113,000	\$113,000	1	1	1	1	1	1	1	Alternative
Hidalgo	Weslaco	Water Conservation Practices	Municipal Conservation		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended
Hidalgo	Weslaco	Expanded Use of Existing Supplies	Storage		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended
Hidalgo	Weslaco	Emergency Transfers of Surface Water or Interconnects Between Systems	Distribution & Transmission		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended

Appendix C: Potentially Feasible Water Management Strategies

County	Entity	WMS Name	WMS Category	Capital Cost Year of Implementation	Max Unit Cost (\$/AY)	2020 Unit Cost (\$/AF)	2030 Unit Cost (\$/AF)	2040 Unit Cost (\$/AF)	2050 Unit Cost (\$/AF)	2060 Unit Cost (\$/AF)	2070 Unit Cost (\$/AF)	Max Yield (AF/Y)	2020 Yield (AF/Y)	2030 Yield (AF/Y)	2040 Yield (AF/Y)	2050 Yield (AF/Y)	2060 Yield (AF/Y)	2070 Yield (AF/Y)	Status
Hidalgo	San Juan	Acquisition of Water Rights through Urbanization	Acquisition of Water Rights	\$340,000	\$143	\$143	\$143	\$143	\$143	\$143	\$143	1,600	200	800	1,600	1,600	1,600	1,600	Recommended
Hidalgo & Cameron	Hidalgo and Cameron Counties Irrigation District No. 9	Irrigation District Conservation	Irrigation District Conservation	\$54,000,000	\$1,069	\$1,069	\$702	\$13	\$9	\$7	\$5	15,671	4,000	6,181	8,572	10,948	13,304	15,671	Recommended
Hidalgo & Starr	Agua SUD	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$0	\$652	\$652	\$652	\$652	1,688	0	0	131	527	1,058	1,688	Recommended
Jim Hogg	County-Other	Advanced Municipal Water Conservation	Municipal Conservation		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended
Jim Hogg	Hebbronville	New Brackish Water Treatment Plant	Brackish Groundwater	\$8,275,000	\$2,557	\$2,557	\$2,557	\$1,321	\$1,321	\$1,321	\$1,321	560	560	560	560	560	560	560	Recommended
Jim Hogg	Hebbronville	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$652	\$652	\$652	\$652	\$652	105	0	1	14	37	69	105	Recommended
Jim Hogg	Irrigation	Additional Groundwater Wells	Fresh Groundwater	\$2,117,000	\$657	\$657	\$657	\$67	\$67	\$67	\$67	300	300	300	300	300	300	300	Recommended
Jim Hogg	Irrigation - Nueces-Rio Grande	On-Farm Conservation	On-Farm Conservation		\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	43	43	43	43	43	43	43	Recommended
Jim Hogg	Irrigation - Rio Grande	On-Farm Conservation	On-Farm Conservation		\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	11	11	11	11	11	11	11	Recommended
Jim Hogg	Jim Hogg County-Other	Advanced Municipal Water Conservation	Municipal Conservation		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended
Jim Hogg	Mining - Nueces-Rio Grande	Implementation of Best Management Practices	Industrial Conservation		\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	9	8	9	7	5	3	2	Recommended
Jim Hogg	Mining - Rio Grande	Implementation of Best Management Practices	Industrial Conservation		\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	1	1	1	1	1	0	0	Recommended
Maverick	County-Other	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$0	\$0	\$0	\$0	\$652	306	0	0	0	0	0	306	Recommended
Maverick	Eagle Pass	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$652	\$652	\$652	\$652	\$652	\$652	2,869	208	728	1,313	1,758	2,290	2,869	Recommended
Maverick	Eagle Pass	New Groundwater Supply	Fresh Groundwater	\$1,072,000	\$199	\$0	\$0	\$0	\$199	\$199	\$70	700	0	0	0	700	700	700	Recommended
Maverick	Eagle Pass	Brackish Groundwater Desalination Plant	Brackish Groundwater	\$8,272,000	\$2,568	\$0	\$0	\$0	\$2,568	\$2,568	\$1,332	560	0	0	0	560	560	560	Alternative
Maverick	Irrigation - Nueces	On-Farm Conservation	On-Farm Conservation		\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	5	5	5	5	5	5	5	Recommended
Maverick	Irrigation - Nueces	Biological Control of A. Donax	Brush Control	\$172,000	\$49	\$49	\$49	\$49	\$49	\$49	\$49	3	2	2	2	2	3	3	Recommended
Maverick	Irrigation - Nueces	Brush Control	Brush Control		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Recommended
Maverick	Irrigation - Rio Grande	On-Farm Conservation	On-Farm Conservation		\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	4,499	4,499	4,499	4,499	4,499	4,499	4,499	Recommended
Maverick	Irrigation - Rio Grande	Biological Control of A. Donax	Brush Control	\$172,000	\$49	\$49	\$49	\$49	\$49	\$49	\$49	279	160	181	205	231	260	279	Recommended
Maverick	Irrigation - Rio Grande	Brush Control	Brush Control		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Recommended
Maverick	Manufacturing - Rio Grande	New Groundwater Supply	Fresh Groundwater	\$538,000	\$500	\$500	\$500	\$50	\$50	\$50	\$50	100	100	100	100	100	100	100	Recommended
Maverick	Manufacturing - Rio Grande	Implementation of Best Management Practices	Industrial Conservation		\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	12	9	10	10	11	11	12	Recommended
Maverick	Maverick County Water Control and Improvements District	Irrigation District Conservation	Irrigation District Conservation	\$42,874,475	\$380	\$380	\$342	-\$5	-\$5	-\$5	-\$5	13,833	8,659	9,706	10,749	11,779	12,796	13,833	Recommended
Maverick	Mining - Nueces	Implementation of Best Management Practices	Industrial Conservation		\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	59	40	55	59	46	34	24	Recommended
Maverick	Mining - Rio Grande	Implementation of Best Management Practices	Industrial Conservation		\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	235	159	219	235	184	134	97	Recommended
Starr	County-Other	Acquisition of Water Rights through Urbanization	Acquisition of Water Rights	\$2,157,165	\$211	\$211	\$211	\$211	\$211	\$211	\$211	7,752	863	2,391	4,030	5,794	7,752	7,751	Recommended
Starr	County-Other	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$0	\$0	\$652	\$652	\$652	614	0	0	0	121	354	614	Recommended
Starr	County-Other	Additional Groundwater Wells	Fresh Groundwater	\$2,541,000	\$595	\$595	\$595	\$63	\$63	\$63	\$63	400	400	400	400	400	400	400	Recommended
Starr	Escobares	Advanced Municipal Water Conservation	Municipal Conservation		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended
Starr	Irrigation - Rio Grande	On-Farm Conservation	On-Farm Conservation		\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	1,652	1,652	1,652	1,652	1,652	1,652	1,652	Recommended
Starr	Irrigation - Rio Grande	Biological Control of A. Donax	Brush Control	\$172,000	\$49	\$49	\$49	\$49	\$49	\$49	\$49	41	41	39	35	29	20	21	Recommended
Starr	Irrigation - Rio Grande	Brush Control	Brush Control		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Recommended
Starr	La Grulla	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$652	\$652	\$652	\$652	\$652	\$652	40	11	40	40	40	40	40	Recommended
Starr	La Grulla	Expand Existing Groundwater Wells	Fresh Groundwater		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended
Starr	Manufacturing - Rio Grande	Acquisition of Water Rights through Urbanization	Acquisition of Water Rights	\$2,500	\$211	\$0	\$0	\$0	\$211	\$211	\$211	3	0	0	0	1	2	3	Recommended
Starr	Manufacturing - Rio Grande	Implementation of Best Management Practices	Industrial Conservation		\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	2	1	2	2	2	2	2	Recommended
Starr	Mining - Nueces-Rio Grande	Implementation of Best Management Practices	Industrial Conservation		\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	25	13	16	18	20	22	25	Recommended
Starr	Mining - Rio Grande	Implementation of Best Management Practices	Industrial Conservation		\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	84	44	54	60	66	74	84	Recommended
Starr	Rio Grande City	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$652	\$652	\$652	\$652	\$652	\$652	2,108	173	512	906	1,356	1,801	2,108	Recommended
Starr	Rio Grande City	Rio Grande City Water Meter Replacement	Municipal Conservation	\$5,059,000	\$1,143	\$1,143	\$1,143	\$0	\$0	\$0	\$0	370	370	370	370	370	370	370	Recommended
Starr	Rio Grande City	Acquisition of Water Rights through Urbanization	Acquisition of Water Rights	\$476,000	\$143	\$143	\$143	\$0	\$143	\$143	\$0	560	280	280	280	560	560	560	Alternative
Starr	Rio Grande City	Brackish Groundwater Desalination Plant	Brackish Groundwater	\$8,282,000	\$2,570	\$0	\$2,570	\$2,570	\$1,332	\$1,332	\$1,332	560	0	560	560	560	560	560	Alternative
Starr	Rio Grande City	Non-potable Reuse	Direct Reuse		\$0	\$0	\$0	\$0	\$0	\$0	\$0	125	10	50	60	87	125	-	Not Recommended

Appendix C: Potentially Feasible Water Management Strategies

County	Entity	WMS Name	WMS Category	Capital Cost Year of Implementation	Max Unit Cost (\$/AY)	2020 Unit Cost (\$/AF)	2030 Unit Cost (\$/AF)	2040 Unit Cost (\$/AF)	2050 Unit Cost (\$/AF)	2060 Unit Cost (\$/AF)	2070 Unit Cost (\$/AF)	Max Yield (AF/Y)	2020 Yield (AF/Y)	2030 Yield (AF/Y)	2040 Yield (AF/Y)	2050 Yield (AF/Y)	2060 Yield (AF/Y)	2070 Yield (AF/Y)	Status
Starr	Rio Grande City	Expand Existing Groundwater Wells	Fresh Groundwater		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended
Starr	Rio WSC	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$0	\$652	\$652	\$652	\$652	84	0	0	9	29	55	84	Recommended
Starr	Roma	Water Right Purchase and Regional Water Treatment Plant	Surface Water Treatment	\$45,625,000	\$1,366	\$1,366	\$1,366	\$684	\$684	\$684	\$684	1,500	1,500	1,500	1,500	1,500	1,500	1,500	Recommended
Starr	Roma	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$0	\$0	\$0	\$0	\$652	93	0	0	0	0	0	93	Recommended
Starr	Union WSC	Brackish Groundwater Desalination Plant	Brackish Groundwater	\$8,282,000	\$2,570	\$2,570	\$2,570	\$1,332	\$1,332	\$1,322	\$1,332	560	560	560	560	560	560	560	Recommended
Starr	Union WSC	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$0	\$652	\$652	\$652	\$652	185	0	0	25	70	124	185	Recommended
Starr	Union WSC	Water Line Replacement and Automatic Meter Reading System	Municipal Conservation	\$4,258,000	\$4,045	\$4,045	\$4,045	\$0	\$0	\$0	\$0	88	88	88	88	88	88	88	Recommended
Webb	County-Other	Additional Groundwater Wells	Fresh Groundwater	\$8,891,000	\$593	\$593	\$593	\$61	\$61	\$61	\$61	1,400	1,400	1,400	1,400	1,400	1,400	1,400	Recommended
Webb	County-Other	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$0	\$0	\$652	\$652	\$652	195	0	0	0	31	108	195	Recommended
Webb	El Cenizo	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$0	\$0	\$0	\$652	\$652	65	0	0	0	0	29	65	Recommended
Webb	Irrigation - Rio Grande	On-Farm Conservation	On-Farm Conservation		\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	932	932	932	932	932	932	932	Recommended
Webb	Irrigation - Rio Grande	Biological Control of A. Donax	Brush Control	\$172,000	\$49	\$49	\$49	\$49	\$49	\$49	\$49	44	23	27	31	36	41	44	Recommended
Webb	Irrigation - Rio Grande	Brush Control	Brush Control		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Recommended
Webb	Laredo	South Laredo WWTP Potable Reuse	Direct Reuse	\$43,467,000	\$1,479	\$0	\$1,479	\$1,479	\$843	\$1,219	\$1,298	11,760	0	5,725	5,725	5,725	8,960	11,760	Recommended
Webb	Laredo	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$0	\$0	\$652	\$652	\$652	10,397	0	0	0	2,600	6,242	10,397	Recommended
Webb	Laredo	Expansion of El Pico WTP (Phases 1-4)	Surface Water Treatment	\$34,963,000	\$321	\$321	\$321	\$261	\$235	\$200	\$135	96,960	16,800	33,600	53,760	96,960	96,960	96,960	Alternative
Webb	Laredo	Brackish Groundwater Desalination Plant	Brackish Groundwater	\$44,574,000	\$1,567	\$0	\$0	\$0	\$1,567	\$1,567	\$821	5,000	0	0	0	5,000	5,000	5,000	Alternative
Webb	Laredo	Non-potable Reuse Project	Direct Reuse	\$11,878,000	\$1,005	\$1,005	\$1,005	\$531	\$531	\$531	\$531	2,100	2,100	2,100	2,100	2,100	2,100	2,100	Alternative
Webb	Laredo	Expand Existing Groundwater Wells	Fresh Groundwater	\$1,210,000	\$143	\$0	\$0	\$0	\$0	\$0	\$143	1,120	0	0	0	0	0	1,120	Not Recommended
Webb	Laredo	Laredo Low Water Weir	Storage	\$316,649,044	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended
Webb	Manufacturing - Nueces	Implementation of Best Management Practices	Industrial Conservation		\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	3	2	2	2	2	3	3	Recommended
Webb	Manufacturing - Rio Grande	Implementation of Best Management Practices	Industrial Conservation		\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	0	0	0	0	0	0	0	Not Recommended
Webb	Mining - Nueces	Implementation of Best Management Practices	Industrial Conservation		\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	310	310	241	181	123	55	40	Recommended
Webb	Mining - Nueces-Rio Grande	Implementation of Best Management Practices	Industrial Conservation		\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	52	52	40	30	21	9	7	Recommended
Webb	Mining - Rio Grande	Implementation of Best Management Practices	Industrial Conservation		\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	672	672	523	393	267	120	87	Recommended
Webb	Rio Bravo	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$0	\$0	\$0	\$652	\$652	96	0	0	0	0	41	96	Recommended
Webb	Steam Elec - Rio Grande	Implementation of Best Management Practices	Industrial Conservation		\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	298	130	152	178	211	251	298	Recommended
Webb	Webb County Water Utility	Expand Existing Groundwater Supply	Fresh Groundwater	\$504,000	\$570	\$0	\$0	\$0	\$0	\$570	\$570	100	0	0	0	0	100	100	Recommended
Willacy	County-Other	Advanced Municipal Water Conservation	Municipal Conservation		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended
Willacy	Delta Lake Irrigation District	Irrigation District Conservation	Irrigation District Conservation	\$52,377,800	\$671	\$671	\$358	\$16	\$11	\$8	\$5	34,837	6,166	11,967	17,735	23,461	29,138	34,837	Recommended
Willacy	Irrigation - Nueces-Rio Grande	On-Farm Conservation	On-Farm Conservation		\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	8,483	8,483	8,483	8,483	8,483	8,483	8,483	Recommended
Willacy	Irrigation - Nueces-Rio Grande	Biological Control of A. Donax	Brush Control	\$172,000	\$49	\$49	\$49	\$49	\$49	\$49	\$49	395	211	244	280	321	368	395	Recommended
Willacy	Irrigation - Nueces-Rio Grande	Brush Control	Brush Control		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Recommended
Willacy	Lyford	Brackish Groundwater Desalination	Brackish Groundwater	\$6,950,000	\$1,217	\$1,217	\$1,217	\$697	\$697	\$697	\$697	1,120	1,120	1,120	1,120	1,120	1,120	1,120	Recommended
Willacy	Lyford	Advanced Municipal Water Conservation	Municipal Conservation		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended
Willacy	Manufacturing - Nueces-Rio Grande	Implementation of Best Management Practices	Industrial Conservation		\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	14	14	14	14	14	14	14	Recommended
Willacy	Manufacturing - Nueces-Rio Grande	Acquisition of Water Rights through Urbanization	Acquisition of Water Rights	\$5,000	\$211	\$211	\$211	\$211	\$211	\$211	\$211	10	2	4	7	9	10	10	Recommended
Willacy	Mining - Nueces-Rio Grande	Implementation of Best Management Practices	Industrial Conservation		\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	5	5	5	4	3	2	1	Recommended
Willacy	North Alamo WSC	Delta Area Brackish Groundwater Desalination Plant	Brackish Groundwater	\$22,709,000	\$1,781	\$0	\$0	\$0	\$0	\$1,781	\$1,781	2,240	0	0	0	0	2,240	2,240	Recommended
Willacy	North Alamo WSC	La Sara Desalination Plant Expansion	Brackish Groundwater	\$13,260,000	\$2,104	\$0	\$0	\$0	\$0	\$0	\$2,104	1,120	0	0	0	0	0	1,120	Recommended
Willacy	Raymondville	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$0	\$652	\$652	\$652	\$652	324	0	0	34	107	208	324	Recommended
Willacy	Raymondville	Brackish Groundwater Desalination Plant	Brackish Groundwater		\$0	\$0	\$0	\$0	\$0	\$0	\$0	2,240	2,240	2,240	2,240	2,240	2,240	2,240	Not Recommended
Willacy	San Perlita	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$652	\$652	\$652	\$652	\$652	\$652	153	14	38	63	93	121	153	Recommended
Willacy	San Perlita	Brackish Groundwater Desalination Plant	Brackish Groundwater		\$6,429	\$0	\$0	\$0	\$6,429	\$6,429	\$3,281	100	0	0	0	100	100	100	Not Recommended
Willacy	Sebastian MUD	Advanced Municipal Water Conservation	Municipal Conservation		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended
Willacy	Willacy County	Regional Brackish Groundwater Desalination	Brackish Groundwater		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended
Willacy	Willacy County	Regional Seawater Desalination	Seawater Desalination		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended
Willacy	Willacy County-Other	Advanced Municipal Water Conservation	Municipal Conservation		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Not Recommended

Appendix C: Potentially Feasible Water Management Strategies

County	Entity	WMS Name	WMS Category	Capital Cost Year of Implementation	Max Unit Cost (\$/AY)	2020 Unit Cost (\$/AF)	2030 Unit Cost (\$/AF)	2040 Unit Cost (\$/AF)	2050 Unit Cost (\$/AF)	2060 Unit Cost (\$/AF)	2070 Unit Cost (\$/AF)	Max Yield (AF/Y)	2020 Yield (AF/Y)	2030 Yield (AF/Y)	2040 Yield (AF/Y)	2050 Yield (AF/Y)	2060 Yield (AF/Y)	2070 Yield (AF/Y)	Status
Zapata	County-Other	Acquisition of Water Rights through Urbanization	Acquisition of Water Rights	\$215,000	\$211	\$211	\$211	\$211	\$211	\$211	\$211	661	86	247	397	545	661	661	Recommended
Zapata	County-Other	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$0	\$0	\$652	\$652	\$652	\$652	124	0	0	17	46	82	124	Recommended
Zapata	Irrigation - Rio Grande	On-Farm Conservation	On-Farm Conservation		\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	\$1,392	578	578	578	578	578	578	578	Recommended
Zapata	Irrigation - Rio Grande	Biological Control of A. Donax	Brush Control	\$172,000	\$49	\$49	\$49	\$49	\$49	\$49	\$49	22	14	16	17	19	20	22	Recommended
Zapata	Irrigation - Rio Grande	Brush Control	Brush Control		\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	Recommended
Zapata	Mining - Rio Grande	Implementation of Best Management Practices	Industrial Conservation		\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	95	91	95	71	53	33	21	Recommended
Zapata	San Ygnacio MUD	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$652	\$652	\$652	\$652	\$652	\$652	97	6	23	40	55	74	97	Recommended
Zapata	Zapata County Waterworks	New Groundwater Supply	Fresh Groundwater	\$2,323,000	\$175	\$175	\$175	\$60	\$60	\$60	\$60	1,680	1,680	1,680	1,680	1,680	1,680	1,680	Recommended
Zapata	Zapata County Waterworks	Advanced Municipal Water Conservation	Municipal Conservation		\$652	\$652	\$652	\$652	\$652	\$652	\$652	1,232	81	294	491	692	942	1,232	Recommended