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Chapter 9: Implementation and Comparison to the Previous Regional Water Plan

2026 Initially Prepared Plan

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APPENDICES

Appendix 9-A: Water Management Strategy Implementation Survey



LIST OF ABBREVIATIONS

ABBREVIATION	DESCRIPTION
ANRA	Angelina and Neches River Authority
AN WCID #1	Angelina-Nacogdoches Water Control & Improvement District No. 1
DWSRF	Drinking Water State Revolving Fund
EDAP	Economically Distressed Areas Program
ETRWPA	East Texas Regional Water Planning Area
ETRWPG	East Texas Regional Water Planning Group
HC WCID #1	Houston County Water Control & Improvement District No. 1
MWA	Municipal Water Authority
SWIFT	State Water Implementation Fund
TAC	Texas Administrative Code
TCEQ	Texas Commission on Environmental Quality
TWDB	Texas Water Development Board
UNRMWA	Upper Neches River Municipal Water Authority
WIF	Water Infrastructure Fund'
WMS	Water Management Strategy
WMSP	Water Management Strategy Projects
WUG	Water User Group
WWP	Wholesale Water Provider



9 IMPLEMENTATION AND COMPARISON TO THE PREVIOUS REGIONAL WATER PLAN

Chapter 9 includes a summary of the level of implementation of the 2021 East Texas Regional Water Plan (2021 Plan) recommended Water Management Strategies (WMS) to meet projected needs, as well as a brief comparison of the 2021 Plan and the 2026 East Texas Regional Water Plan (2026 Plan).

9.1 IMPLEMENTATION OF PREVIOUS REGIONAL WATER PLAN

Title 31 of the Texas Administrative Code (TAC) §357.45(a) requires the 2026 Plan to report the level of implementation and identified implementation impediments of recommended WMSs and Water Management Strategy Projects (WMSPs) meeting needs in the 2021 Plan.

9.1.1 Texas Water Development Board Implementation Survey

The East Texas Regional Water Planning Group and consultants were responsible for gathering information on the implementation, and reported impediments to implementation, of water management strategies included in the previous regional water plan. Methods used to gather information included:

- Contacting Recommended WMS Project Sponsors;
- Tracking changes in Water User Group (WUG) and Wholesale Water Provider (WWP) supplies since completion of the 2026 Plan;
- Identifying WMSs that are not recommended in the 2026 Plan;
- Reviewing Texas Water Development Board (TWDB) funding records to identify projects in the region (SWIFT [State Water Implementation Fund for Texas], WIF [Water Infrastructure Fund], State Participation, DWSRF [Drinking Water State Revolving Fund], EDAP [Economically Distressed Areas Program], etc.); and,
- Analyzing conservation implementation reports submitted to the TWDB.

The results of this survey are presented in Appendix 9-A.

9.2 RWPA'S PROGRESS IN ACHIEVING ECONOMIES OF SCALE

The Region I Regional Water Planning Group (RWPG) has made significant efforts to encourage cooperation between WUGs and MWP to achieve economies of scale and incentivize WMSs that benefit the entire region. In the 2021 RWP, a total of XXX WMSs were recommended to serve more than one WUG. In the 2026 RWP, a total of XXX WMSs were recommended to serve more than one WUG. Given the nature of MWPs, it is expected that WMSs sponsored by MWPs are likely serving more than one WUG as they are regional WMSs that will provide water supply benefits to the MWP and their customers. The Lake Naconiche Regional Water System project, although not sponsored by any MWP, is another WMS that will serve multiple WUGs in Nacogdoches County. Many of the regional-scale WMSs have been carried forward from the 2021 RWP to the 2026 RWP. [Awaiting TWDB Report 125 to confirm the exact number of WMSs serving more than one WUG.]

Since the adoption of the 2021 RWP, the project sponsors of several WMSs have taken affirmative actions, such as conducting feasibility studies and environmental assessments, to advance the projects. The sponsors of the two reservoir projects—the Angelina & Neches River Authority (ANRA) for Lake Columbia and the Lower Neches Valley Authority (LNVA) for the West Beaumont Reservoir—have been proactive in ensuring successful implementation through these studies.

The RWPG has made concerted efforts to encourage WMSs and WMSPs to serve more than one WUG



and benefit the entire region. These efforts include facilitating stakeholder meetings, promoting inter-agency collaborations, coordinating between contracted customers, and securing funding for joint projects. The RWPG has also worked closely with the TWDB to ensure the smooth implementation of the projects. By fostering a collaborative environment, the RWPG aims to maximize the benefits of WMSs across the region, ensuring sustainable water management for the region.

9.3 COMPARISON TO PREVIOUS REGIONAL WATER PLAN

A comparison of the 2026 Plan to the 2021 plan follows for the following categories of water planning issues:

- Water Demand Projections
- Drought of Record and the hydrologic and modeling assumption(s) on which the 2026 plan is based
- Water Availability
- Existing Water Supplies
 - Water User Groups
 - Wholesale Water Providers
- Identified Needs
 - Water User Groups
 - Wholesale Water Providers
- Water Management Strategies and Water Management Strategy Projects
- Recommended Water Management Strategies and Projects
- Alternative Water Management Strategies and Projects

A WMS is a plan to meet a need for additional water by a discrete water user group, which can mean increasing the total water supply or maximizing an existing supply, including through reducing demands. A WMS may or may not require an associated WMSP(s) to be implemented.

A WMSP is a water project that has a non-zero capital cost and that when implemented, would develop, deliver, and/or treat additional water supply volumes, or conserve water for water user groups or wholesale water providers. One WMSP may be associated with multiple WMSs.

9.3.1 Water Demand Projections

The total demand projections for the East Texas Regional Water Planning Area (ETRWPA) increased for every decade from the 2021 Plan to the 2026 Plan, as shown in Figure 9.1 and Table 9.1. This increase in demand is largely due to the increase in manufacturing demand.

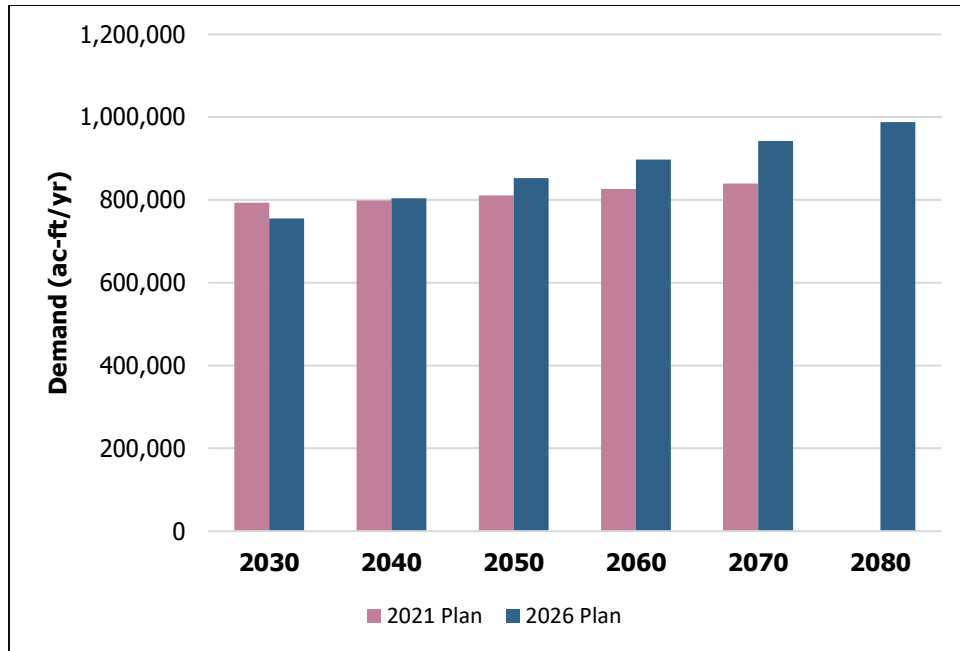


Figure 9.1 Total Projected Demand for the East Texas Regional Water Planning Area from the 2021 and 2026 Plans



Table 9.1 Summary of Projected Water Demands from the East Texas Regional Water Planning Area by Use Category and Decade

2021 Plan Projected Demands (ac-ft/yr)						
	2030	2040	2050	2060	2070	2080
Municipal	199,870	207,822	218,266	230,468	243,611	N/A
Manufacturing	353,415	353,415	353,415	353,415	353,415	N/A
Mining	24,547	18,169	15,488	12,986	12,093	N/A
Steam Electric Power	67,011	67,011	67,011	67,011	67,011	N/A
Livestock	50,284	54,029	58,524	63,890	65,103	N/A
Irrigation	98,368	98,368	98,368	98,368	98,368	N/A
2021 Total for ETRWPA	793,495	798,814	811,072	826,138	839,601	N/A
2026 Plan Projected Demands (ac-ft/yr)						
	2030	2040	2050	2060	2070	2080
Municipal	214,040	219,630	224,789	226,176	227,792	229,673
Manufacturing	360,181	402,032	444,136	486,507	529,147	572,071
Mining	9,673	9,759	9,847	9,952	10,062	10,179
Steam Electric Power	41,782	41,782	41,782	41,782	41,782	41,782
Livestock	30,001	31,116	32,434	33,979	34,460	34,460
Irrigation	99,429	99,429	99,429	99,429	99,429	99,429
2026 Total for ETRWPA	755,106	803,748	852,417	897,825	942,672	987,594
Percent Change in Texas Water Development Board Demand Projections from 2021 to 2026						
	2030	2040	2050	2060	2070	2080
Municipal	7%	6%	3%	-2%	-6%	N/A
Manufacturing	2%	14%	26%	38%	50%	N/A
Mining	-61%	-46%	-36%	-23%	-17%	N/A
Steam Electric Power	-38%	-38%	-38%	-38%	-38%	N/A
Livestock	-40%	-42%	-45%	-47%	-47%	N/A
Irrigation	1%	1%	1%	1%	1%	N/A
Total for ETRWPA	-5%	1%	5%	9%	12%	N/A

Note: Green cells indicate values that are greater in the 2021 Plan compared to the 2026 Plan.

The 2021 Plan developed projections only to 2070, so values for 2080 associated with the 2021 Plan are labeled N/A or not applicable.

9.3.2 Drought of Record

The drought of record varies across different geographic locations in the ETRPWA. As described in Chapter 7, there have been four primary droughts of record in the East Texas Region:

- The drought of the 1950s in the western and central portions of the region.

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- The drought beginning in about 1962 and spanning the mid-1960s for eastern and north central portions of the region.
- The drought period in the late 1960s to early 1970s in the north central portion of the region.
- The drought of the early 2010s in the north central portion of the region.

In both plans, surface water supplies were determined using the Texas Commission on Environmental Quality (TCEQ) approved Water Availability Models (WAMs). For the 2021 Plan, WAMs used for all major river basins in the ETRWPA (Neches, Sabine, Trinity, Neches-Trinity river basins) incorporated historical hydrologic conditions that occurred between 1940 and 1996. For the 2026 Plan, the WAMs for the Sabine, Trinity, and Neches-Trinity used the same historical hydrologic conditions as the 2021 Plan. However, the 2026 Plan uses an updated version of the Neches River Basin WAM, adopted by TCEQ in 2021, that includes historical hydrologic conditions extended through 2018. This extended hydrology reflected a new drought of record for several reservoirs in the Neches River Basin. . Chapter 7 of the 2026 Plan includes a detailed examination of more recent droughts within the region, including the historical droughts of record for major water supply reservoirs. For a full evaluation of the impact of a potential new drought of record on surface water supply availability across the ETRPWA, the other Water Availability Models (e.g., the Sabine, Trinity, and Neches-Trinity) should be updated by TCEQ to incorporate the hydrologic conditions that have occurred since 1996.

9.3.3 Water Availability

Available water supplies refers to the maximum amount of raw water that could be produced by a source in a drought of record during a repeat of the drought of record, regardless of whether the supply is physically connected to or legally accessible by an entity. The total water availability decreased by 6% from the 2021 Plan to the 2026 Plan, as shown in Figure 9.2 and Table 9.2 below. This reduction in availability is primarily due to decreases in surface water availability in the Neches River Basin, driven by using an updated WAM with hydrology that captures a new drought (early 2010s), groundwater availability in the Carrizo-Wilcox and Queen City aquifers, and the removal of reuse quantity in Jefferson County due to lack of information.

The available water supplies presented do not include any saline or brackish surface water sources for either the 2021 Plan or 2026 Plan. In the 2021 Plan, saline or brackish surface water supply was included in the available supply total for the region. Saline or brackish surface water is based on water right permits granted by the TCEQ. Generally, brackish surface water supplies in the ETRWPA are run-of-river supplies associated with tidally influenced river segments. In the ETRWPA, several industries are permitted to use brackish water supplies for their manufacturing processes. The 2026 Plan only accounts for freshwater demands and available freshwater supply totals for water users, including manufacturing. .

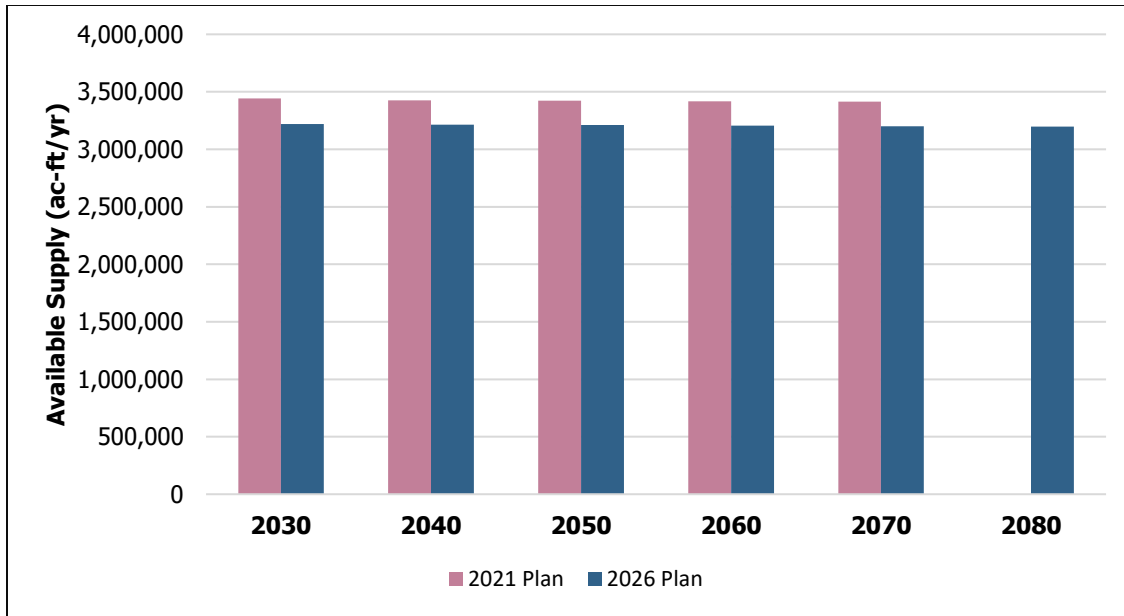


Figure 9.2 Total Available Supply for the East Texas Regional Water Planning Area from the 2021 and 2026 Plans



Table 9.2 Summary of Available Supply in the East Texas Regional Water Planning Area

2021 Plan Available Supply (ac-ft/yr)						
	2030	2040	2050	2060	2070	2080
Reservoirs	2,255,265	2,251,402	2,247,600	2,243,702	2,239,008	N/A
Run-of-the-River	588,603	589,402	590,340	591,547	592,977	N/A
Groundwater	548,868	548,258	548,121	547,520	546,379	N/A
Local Supplies	35,769	21,783	21,783	21,783	21,783	N/A
Reuse	13,986	13,999	14,012	14,023	14,037	N/A
2026 Total for ETRWPA	3,442,491	3,424,844	3,421,856	3,418,575	3,414,184	N/A
2026 Plan Available Supply (ac-ft/yr)						
	2030	2040	2050	2060	2070	2080
Reservoirs	2,112,306	2,107,723	2,103,345	2,098,614	2,094,089	2,089,564
Run-of-the-River	581,392	581,850	582,267	582,085	582,094	582,259
Groundwater	488,746	488,746	488,745	488,745	488,362	488,362
Local Supplies	36,496	36,496	36,496	36,496	36,496	36,496
Reuse	13,986	13,999	14,012	14,023	14,037	14,052
2026 Total for ETRWPA	3,232,926	3,228,814	3,224,865	3,219,963	3,215,078	3,210,733
Percent Change in Available Supply from 2021 to 2026						
	2030	2040	2050	2060	2070	2080
Reservoirs	-6%	-6%	-6%	-6%	-6%	N/A
Run-of-the-River	-1%	-1%	-1%	-2%	-2%	N/A
Groundwater	-11%	-11%	-11%	-11%	-11%	N/A
Local Supplies	2%	68%	68%	68%	68%	N/A
Reuse	-98%	-98%	-98%	-98%	-98%	N/A
Total for ETRWPA	-6%	-6%	-6%	-6%	-6%	N/A

Note: Green cells indicate values that are greater in the 2021 Plan compared to the 2026 Plan.

The 2021 Plan developed projections only to 2070, so values for 2080 associated with the 2021 Plan are labeled N/A or not applicable.

Values are draft and subjected to change.

9.3.4 Existing Supplies of Water User Groups and Wholesale Water Providers

Existing water supply is the maximum amount of water that is physically and legally accessible from existing sources for immediate use by a water user group under a repeat of a drought of record conditions. The existing water supplies of WUGs increased by 13% in every decade from the 2021 Plan to the 2026 Plan, as shown in Figure 9.3 and Table 9.3. The largest increase in existing supplies occurred for manufacturing water user groups in Jefferson and Orange County who collectively had an average increase in existing supplies between 123,000 and 132,000 acre-feet per year (ac-ft per year) in every decade of the planning period. In recent years, several existing manufacturing facilities have expanded and new manufacturing facilities have been constructed in Jefferson and Orange counties, which has resulted in substantial increases in use of existing water supplies.

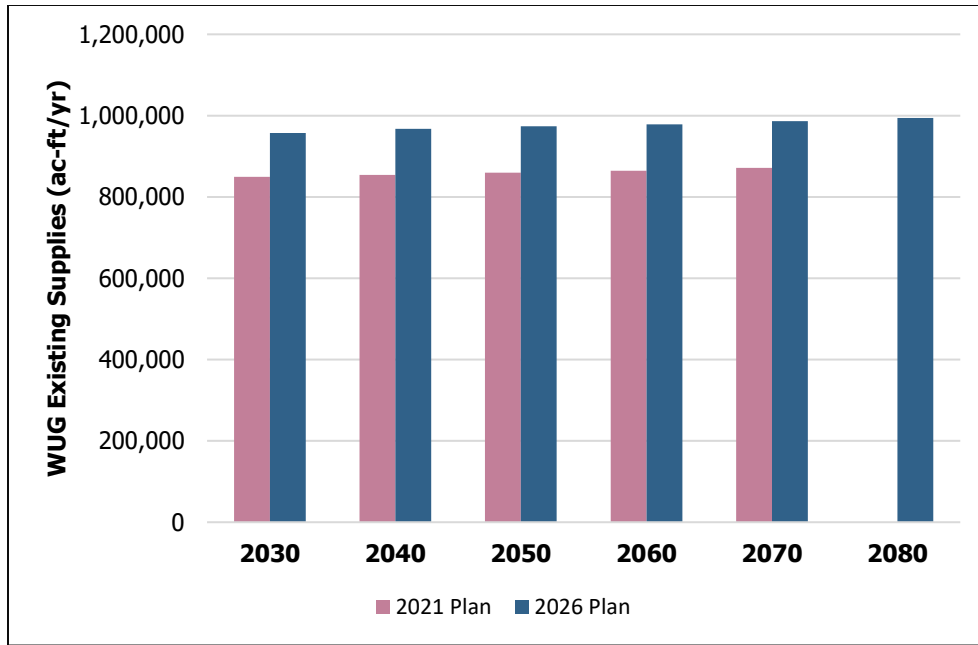


Figure 9.3 Total Existing Supplies of Water User Groups in the East Texas Regional Water Planning Area in the 2021 and 2026 Plans



Table 9.3 Summary of Existing Supplies of Water User Groups in the East Texas Regional Water Planning Area

2021 WUG Existing Supplies (ac-ft/yr)						
	2030	2040	2050	2060	2070	2080
Anderson	19,326	19,290	19,183	19,140	19,120	N/A
Angelina	39,004	39,301	39,640	40,009	40,349	N/A
Cherokee	17,965	18,381	18,966	19,641	20,297	N/A
Hardin	8,223	8,356	8,479	8,606	8,710	N/A
Henderson*	8,199	8,139	8,191	7,558	7,148	N/A
Houston	11,670	11,589	11,518	11,445	11,412	N/A
Jasper	96,446	96,282	96,177	96,129	96,117	N/A
Jefferson	359,445	360,495	360,859	361,389	362,053	N/A
Nacogdoches	32,716	33,499	34,400	35,427	36,601	N/A
Newton	16,876	16,915	16,973	17,037	17,109	N/A
Orange	74,688	74,713	74,770	74,840	74,900	N/A
Panola	17,252	17,105	16,680	17,375	17,612	N/A
Polk*	2,747	2,822	2,902	2,975	3,041	N/A
Rusk	65,287	65,656	66,106	66,633	67,180	N/A
Sabine	5,501	5,495	5,493	5,493	5,493	N/A
San Augustine	4,303	4,314	4,326	4,340	4,340	N/A
Shelby	16,044	15,924	16,132	15,355	15,570	N/A
Smith*	41,677	43,722	46,266	49,139	51,977	N/A
Trinity*	1,581	1,575	1,567	1,576	1,584	N/A
Tyler	10,928	10,831	10,757	10,703	10,676	N/A
2021 Total for ETRWPA	849,878	854,404	859,385	864,810	871,289	N/A
2026 WUG Existing Supplies (ac-ft/yr)						
	2030	2040	2050	2060	2070	2080
Anderson	23,150	23,276	23,409	23,526	23,647	23,772
Angelina	19,897	20,073	20,202	20,350	20,498	20,651
Cherokee	10,514	10,438	10,334	10,216	10,096	9,974
Hardin	9,669	10,450	11,186	11,130	11,080	11,038
Henderson*	8,636	8,866	8,512	8,183	7,876	7,687
Houston	9,883	9,780	9,692	9,702	9,597	9,503
Jasper	72,591	72,360	72,100	71,865	71,637	71,415
Jefferson	413,755	418,259	418,666	418,428	418,381	418,494
Nacogdoches	39,369	39,953	40,562	41,390	42,235	43,093
Newton	21,915	21,994	22,079	22,180	22,291	22,418
Orange	143,764	143,849	143,920	146,414	150,792	155,335
Panola	15,762	15,811	15,833	15,850	15,850	15,870
Polk*	2,374	2,471	2,557	2,642	2,725	2,805
Rusk	64,595	64,466	64,297	64,123	63,939	63,773
Sabine	3,159	3,212	3,188	3,171	3,158	3,142

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San Augustine	4,938	4,949	4,953	4,953	4,953	4,953
Shelby	23,634	23,592	23,555	23,519	23,487	23,457
Smith*	59,275	63,616	68,453	71,141	74,044	77,209
Trinity*	647	647	618	600	580	561
Tyler	9,725	9,569	9,441	9,351	9,266	9,187
2026 Total for ETRWPA	957,252	967,631	973,557	978,734	986,132	994,337
Percent Change in WUG Existing Supplies from 2021 to 2026						
	2020	2030	2040	2050	2060	2070
Anderson	20%	21%	22%	23%	24%	N/A
Angelina	-49%	-49%	-49%	-49%	-49%	N/A
Cherokee	-41%	-43%	-46%	-48%	-50%	N/A
Hardin	18%	25%	32%	29%	27%	N/A
Henderson*	5%	9%	4%	8%	10%	N/A
Houston	-15%	-16%	-16%	-15%	-16%	N/A
Jasper	-25%	-25%	-25%	-25%	-25%	N/A
Jefferson	15%	16%	16%	16%	16%	N/A
Nacogdoches	20%	19%	18%	17%	15%	N/A
Newton	30%	30%	30%	30%	30%	N/A
Orange	92%	93%	92%	96%	101%	N/A
Panola	-9%	-8%	-5%	-9%	-10%	N/A
Polk*	-14%	-12%	-12%	-11%	-10%	N/A
Rusk	-1%	-2%	-3%	-4%	-5%	N/A
Sabine	-43%	-42%	-42%	-42%	-43%	N/A
San Augustine	15%	15%	14%	14%	14%	N/A
Shelby	47%	48%	46%	53%	51%	N/A
Smith*	42%	46%	48%	45%	42%	N/A
Trinity*	-59%	-59%	-61%	-62%	-63%	N/A
Tyler	-11%	-12%	-12%	-13%	-13%	N/A
Total for ETRWPA	13%	13%	13%	13%	13%	N/A

Note: Green cells indicate values that are greater in the 2026 Plan compared to the 2021 Plan.

The 2021 Plan developed projections only to 2070, so values for 2080 associated with the 2021 Plan are labeled N/A or not applicable.

Values are draft and subjected to change

* The counties marked with an asterisk are split between two water planning regions. The available supply presented in this table represents only the portion of those counties that are within the boundaries of Region I.

The existing water supplies of MWPs are about the same in every decade in the planning period from the 2021 Plan to the 2026 Plan, as shown in Figure 9.4 and Table 9.4. The largest increases in supply percentages were incurred by city of Tyler. Tyler has been developing its surface water supply infrastructure since the 2021 RWP.

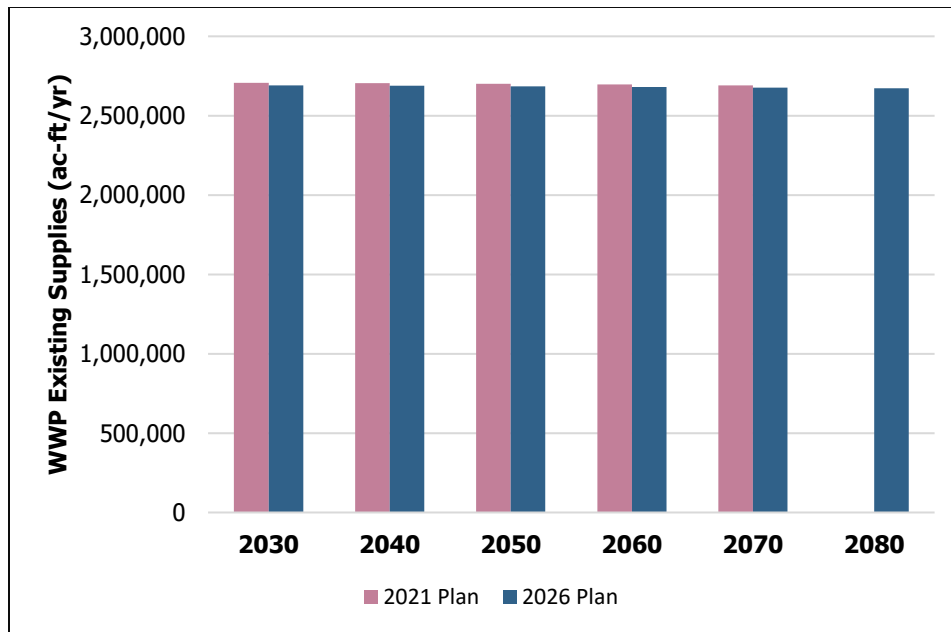


Figure 9.4 Total Existing Supplies of Major Water Providers in the East Texas Regional Water Planning Area from the 2021 and 2026 Plans

Table 9.4 Summary of Existing Supplies of Major Water Providers in the East Texas Regional Water Planning Area by Decade

2021 WWP Existing Supplies (ac-ft/yr)						
	2030	2040	2050	2060	2070	2080
Angelina and Neches River Authority	70	70	70	70	70	N/A
Angelina-Nacogdoches Water Control & Improvement District (WCID) No. 1	19,635	18,890	18,150	16,715	14,690	N/A
Athens Municipal Water Authority	8,117	8,031	7,945	7,859	7,773	N/A
Beaumont	36,451	37,525	37,525	37,525	37,525	N/A
Carthage	5,564	5,564	5,564	5,565	5,565	N/A
Center	5,260	5,260	5,260	5,260	5,260	N/A
Houston Co. WCID 1	3,500	3,500	3,500	3,500	3,501	N/A
Jacksonville	7,391	7,391	7,391	7,391	7,391	N/A
Lower Neches Valley Authority	1,201,876	1,173,876	1,173,876	1,173,876	1,173,876	N/A
Lufkin	38,727	38,727	38,727	38,727	38,727	N/A
Nacogdoches	22,292	21,892	21,492	21,092	20,692	N/A
Panola Co. Freshwater	20,686	20,006	19,325	18,644	17,963	N/A

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Supply District No. 1						
Port Arthur	25,655	25,434	25,389	25,370	25,369	N/A
Sabine River Authority of Texas	1,103,010	1,103,010	1,103,010	1,103,010	1,103,010	N/A
Tyler	41,056	41,056	41,056	41,056	41,056	N/A
Upper Neches River Municipal Water Authority	196,110	194,610	193,010	191,310	189,010	N/A
Wholesale Water Provider Totals	2,707,401	2,704,843	2,701,291	2,696,970	2,691,479	N/A
2026 WWP Existing Supplies (ac-ft/yr)						
	2030	2040	2050	2060	2070	2080
Angelina and Neches River Authority	3,607	3,519	3,418	3,321	3,218	3,106
Angelina-Nacogdoches Water Control & Improvement District (WCID) No. 1	10,500	9,990	9,480	8,970	8,460	7,950
Athens Municipal Water Authority	6,027	5,967	5,907	5,847	5,787	5,727
Beaumont	23,748	24,206	24,623	24,441	24,450	24,615
Carthage	4,891	4,891	4,891	4,891	4,891	4,891
Center	4,112	4,100	4,087	4,075	4,062	4,050
Houston Co. WCID 1	3,500	3,500	3,500	3,500	3,500	3,500
Jacksonville	7,391	7,391	7,391	7,391	7,391	7,391
Lower Neches Valley Authority	1,201,876	1,173,876	1,173,876	1,173,876	1,173,876	1,173,876
Lufkin	35,313	35,336	35,359	35,382	35,405	35,428
Nacogdoches	20,827	20,465	20,103	19,741	19,379	19,017
Panola Co. Freshwater Supply District No. 1	20,800	20,016	19,482	18,448	17,664	16,880
Port Arthur	33,955	37,990	37,990	37,990	37,990	37,990
Sabine River Authority of Texas	1,071,861	1,071,544	1,071,191	1,070,910	1,070,593	1,070,276
Tyler	66,930	66,695	66,460	66,233	66,007	65,780
Upper Neches River Municipal Water Authority	177,110	175,040	172,970	170,950	168,930	166,910
Wholesale Water Provider Totals	2,691,079	2,689,077	2,685,380	2,680,715	2,676,455	2,672,351
Percent Change in WUG Existing Supplies from 2021 to 2026						

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	2030	2040	2050	2060	2070	2080
Angelina and Neches River Authority	5,053%	4,927%	4,783%	4,644%	4,497%	N/A
Angelina-Nacogdoches Water Control & Improvement District (WCID) No. 1	-47%	-47%	-48%	-46%	-42%	N/A
Athens Municipal Water Authority	-26%	-26%	-26%	-26%	-26%	N/A
Beaumont	-35%	-35%	-34%	-35%	-35%	N/A
Carthage	-12%	-12%	-12%	-12%	-12%	N/A
Center	-22%	-22%	-22%	-23%	-23%	N/A
Houston Co. WCID 1	0%	0%	0%	0%	0%	N/A
Jacksonville	0%	0%	0%	0%	0%	N/A
Lower Neches Valley Authority	0%	0%	0%	0%	0%	N/A
Lufkin	-9%	-9%	-9%	-9%	-9%	N/A
Nacogdoches	-7%	-7%	-6%	-6%	-6%	N/A
Panola Co. Freshwater Supply District No. 1	1%	0%	1%	-1%	-2%	N/A
Port Arthur	32%	49%	50%	50%	50%	N/A
Sabine River Authority of Texas	-3%	-3%	-3%	-3%	-3%	N/A
Tyler	63%	62%	62%	61%	61%	N/A
Upper Neches River Municipal Water Authority	-10%	-10%	-10%	-11%	-11%	N/A
Wholesale Water Provider Totals	0%	0%	0%	0%	0%	N/A

Note: Green cells indicate values that are greater in the 2026 Plan compared to the 2021 Plan.

The 2021 Plan developed projections only to 2070, so values for 2080 associated with the 2021 Plan are labeled N/A or not applicable.

Values are draft and subjected to change.

9.3.5 Identified Needs

A comparison of WUG and MWP identified needs between the 2021 Plan and the 2026 Plan follows.

Water User Groups

In the last round of planning, there were 44 WUGs with identified needs; approximately 75% of these needs were from the manufacturing category of water uses. In the 2026 Plan, there are 27 WUGs with identified needs; most of these needs are associated with manufacturing. There are greater municipal needs identified from 2030 to 2070 largely due to the City of Beaumont. Both the number of WUGs with needs and the amount of needs decrease from the 2021 Plan to the 2026 Plan. The decrease in needs is

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largely due to a higher level of use of existing supplies by manufacturing water users. The summary of total identified water user group needs is presented in Figure 9.5 and Table 9.5.

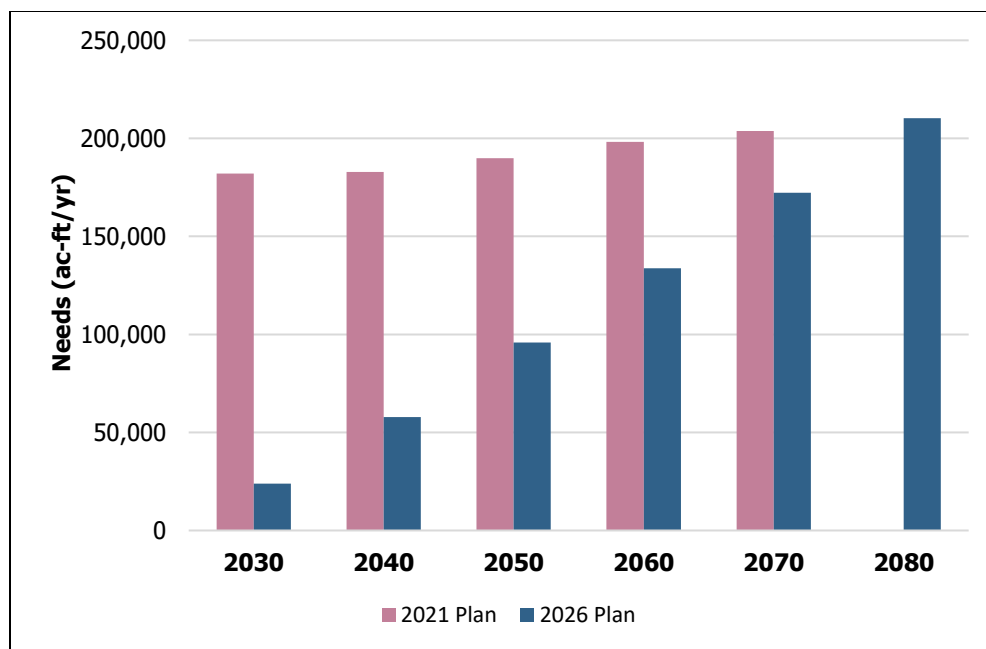


Figure 9.5 Total Identified Water User Group Needs for the East Texas Regional Water Planning Area in the 2021 and 2026 Plans

Table 9.5 Summary of Identified Water User Group Needs from the East Texas Regional Water Planning Area by Use Category and Decade

2021 Plan Identified WUG Needs (ac-ft/yr)						
	2030	2040	2050	2060	2070	2080
Municipal	877	2,551	5,832	9,265	13,590	N/A
Manufacturing	145,222	145,206	145,188	145,171	145,155	N/A
Mining	5,281	903	468	308	207	N/A
Steam Electric Power	3,494	3,494	3,494	3,494	3,494	N/A
Livestock	26,613	30,128	34,381	39,483	40,666	N/A
Irrigation	526	526	526	556	576	N/A
2021 Total for ETRWPA	182,013	182,808	189,889	198,277	203,688	N/A
2026 Plan Identified WUG Needs (ac-ft/yr)						
	2030	2040	2050	2060	2070	2080
Municipal	9,144	9,640	10,377	10,795	11,169	11,676
Manufacturing	9,556	42,815	80,079	117,286	154,826	192,148
Mining	702	761	818	873	952	1,097
Steam Electric Power	4,357	4,357	4,357	4,357	4,357	4,357
Livestock	215	215	215	215	215	215
Irrigation	0	0	0	156	702	871
2026 Total for ETRWPA	23,974	57,788	95,846	133,682	172,221	210,364



Percent Change in Identified WUG Needs from 2021 to 2026						
	2030	2040	2050	2060	2070	2080
Municipal	943%	278%	78%	17%	-18%	N/A
Manufacturing	-93%	-71%	-45%	-19%	7%	N/A
Mining	-87%	-16%	75%	183%	360%	N/A
Steam Electric Power	25%	25%	25%	25%	25%	N/A
Livestock	-99%	-99%	-99%	-99%	-99%	N/A
Irrigation	-100%	-100%	-100%	-72%	22%	N/A
Total for ETRWPA	-87%	-68%	-50%	-33%	-15%	N/A

Note: Green cells indicate values that are greater in the 2026 Plan compared to the 2021 Plan.

The 2021 Plan developed projections only to 2070, so values for 2080 associated with the 2021 Plan are labeled N/A or not applicable.

Values are draft and subjected to change.

Major Water Providers

In the last round of planning, there were 4 MWP's out of 16 total WWP's with identified needs; approximately 54% to 27% of these needs were from the Angelina Neches River Authority (ANRA). In the 2026 Plan, there are 5 MWP's with identified needs; approximately 68% to 63% of these needs are from the ANRA. The total needs for the region have increased from the 2021 Plan to the 2026 Plan, which is due to reductions in available water supply from MWP sources, e.g., reservoirs, groundwater. as shown in Figure 9.6 and Table 9.6. In both rounds of planning, the MWP's have identified multiple WMS's to obtain available water in the region to meet their identified needs. The change in needs from the last round of planning to this round of planning is largely due to changes in supply rather than changes in demand.

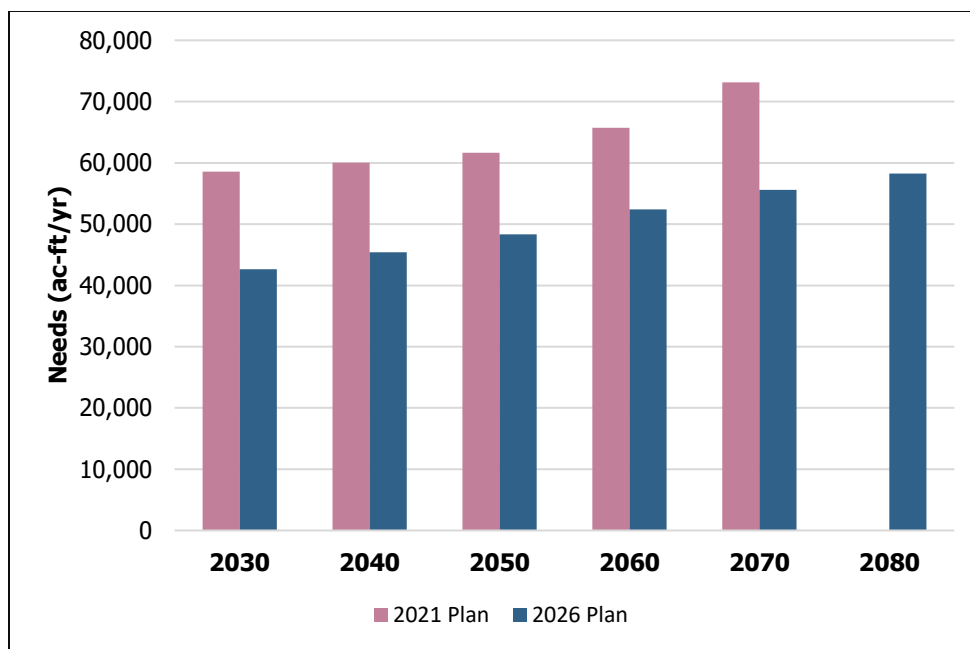


Figure 9.6 Total Identified Wholesale Water Provider Needs for the East Texas Regional Water Planning Area in the 2021 and 2026 Plans

Table 9.6 Summary of Identified Wholesale Water Provider Needs from the East Texas Regional Water Planning Area by Use Category and Decade

2021 Plan Identified WWP Needs (ac-ft/yr)						
	2030	2040	2050	2060	2070	2080
ANRA	44,464	44,464	44,464	44,464	44,464	N/A
Athens MWA	0	0	0	2,386	5,566	N/A
Beaumont	0	0	0	0	1,938	N/A
Center	0	0	0	0	0	N/A
UNRMWA	14,114	15,592	17,174	18,859	21,159	N/A
2021 Total for ETRWPA	58,578	60,056	61,638	65,709	73,127	N/A
2026 Plan Identified WWP Needs (ac-ft/yr)						
	2030	2040	2050	2060	2070	2080
ANRA	0	101,284	101,284	101,284	101,284	101,284
Athens MWA	0	0	0	1,839	2,966	3,698
Beaumont	9,508	10,221	11,096	11,336	11,388	11,289
Center	1,139	1,261	1,380	1,475	1,566	1,652
UNRMWA	33,137	35,184	37,232	39,234	41,239	43,259
2026 Total for ETRWPA	43,784	147,950	150,992	155,168	158,443	161,182
Percent Change in Identified WWP Needs from 2021 to 2026						
	2030	2040	2050	2060	2070	2080

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ANRA	N/A	128%	128%	128%	128%	N/A
Athens MWA	N/A	N/A	N/A	-23%	-47%	N/A
Beaumont	N/A	N/A	N/A	N/A	488%	N/A
Center	N/A	N/A	N/A	N/A	N/A	N/A
UNRMWA	135%	126%	117%	108%	95%	N/A
Total for ETRWPA	128%	128%	128%	128%	128%	N/A

Note: Green cells indicate values that are greater in the 2026 Plan compared to the 2021 Plan.

Angelina-Nacogdoches Water Control & Improvement District No. 1 (AN WCID #1)

Angelina and Neches River Authority (ANRA)

Municipal Water Authority (MWA)

Houston County Water Control & Improvement District No. 1 (HC WCID #1)

Upper Neches River Municipal Water Authority (UNRMWA)

The 2021 Plan developed projections only to 2070, so values for 2080 associated with the 2021 Plan are labeled N/A or not applicable.

The City of Center noted that their demand projection is likely overestimated and they have sufficient supply to meet the anticipated demand.

Values are draft and subjected to change.

9.3.6 Water Management Strategies and Water Management Strategy Projects

The following is a summary of recommended and alternative WMSs included in the 2021 and 2026 Plans.

Recommended Water Management Strategies

The 2021 Plan included 134 Recommended WMSs with a total supply of over 24,468 acre-feet per year beginning in 2020 and increasing to over 278,546 acre-feet per year beginning in 2070. In the 2026 Plan, there are 77 Recommended WMSs with a total supply of over 46,000 acre-feet beginning in 2030 and increasing to over 670,000 acre-feet per year beginning in 2080, as shown in Figure 9.7. These changes in the number and total supply of recommended strategies are driven by shifts in water needs in certain areas of the ETRWPA, as well as additional feedback from sponsors regarding plans for future water management strategies.

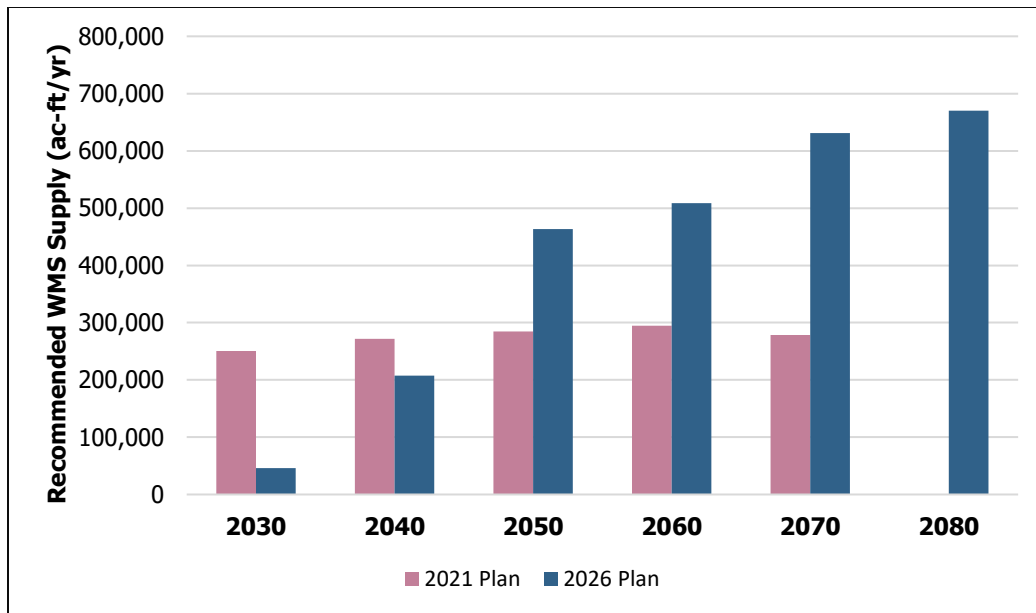


Figure 9.7 Total Supply of Recommended Water Management Strategies for the East Texas Regional Water Planning Area in the 2021 and 2026 Plans

Alternative Water Management Strategies

The 2021 Plan included four Alternative WMSs with a total of 24 acre-feet per year in 2020 decreasing to 10 acre-feet per year in 2070. The 2026 Plan includes three Alternative WMSs with a total of 3,182 acre-feet per year that starts in the 2050 decade and increases to 3,902 acre-feet per year by the end of the 2080 planning period, as shown in Table 9.7. This increase in supply from alternative strategies is due to more WUGs and WWP’s being proactive about having backup projects ready in the event their recommended WMS cannot be implemented.



Table 9.7 Summary of Identified Wholesale Water Provider Needs from the East Texas Regional Water Planning Area by Use Category and Decade

2021 Plan Water Management Strategies Supply (ac-ft/yr)						
	2030	2040	2050	2060	2070	2080
Recommended WMSs	250,791	271,865	284,718	294,829	278,546	N/A
Alternative WMSs	23	22	22	13	10	N/A
2026 Plan Water Management Strategies Supply (ac-ft/yr)						
	2030	2040	2050	2060	2070	2080
Recommended WMSs	304,912	568,354	828,721	874,019	996,228	1,035,380
Alternative WMSs	0	0	3,182	3,182	3,902	3,902
Percent Change in Water Management Strategy Supply from 2021 to 2026						
	2030	2040	2050	2060	2070	2080
Recommended WMSs	22%	108%	191%	196%	258%	N/A
Alternative WMSs	-100%	-100%	14364%	24,377%	38,920%	N/A

Note: Green cells indicate values that are greater in the 2026 Plan compared to the 2021 Plan.

The 2021 Plan developed projections only to 2070, so values for 2080 associated with the 2021 Plan are labeled N/A or not applicable.

Values are draft and subjected to change.

Water Management Strategy Projects

There were 53 Water Management Strategy Projects (WMSPs) in the 2021 RWP, some of which have been carried over to the 2026 RWP. In addition, there are several new WMSPs added based on feedback from sponsors, bringing the total to 58 WMSPs. The additional WMSPs have been included to address newly identified projected needs in this planning cycle or to provide water providers and users with additional water supply as a buffer against uncertainty, i.e., have a higher management supply factor. **[Values are draft and subjected to change upon review of the DB27 Reports.]**

Additionally, the 2021 RWP included eight WMSPs associated with water loss mitigation strategies. In this cycle, the ETRWPG recommends water loss mitigation strategies as a best management practice for all municipal WUGs—approximately 187 WUGs—resulting in 187 WMSPs.

Appendix 9-A

Water Management Strategy Implementation Survey

The Appendix provides a summary table of implementation status of the Water Management Strategies from the 2021 Regional Water Plan for Region I.



**Table 9-1
Implementation Status of Region I Water Management Strategies**

Planning Region	WMS or WMS Project Name	Database Online Decade	Related Sponsor Entity and/or Benefitting WUGs	Implementation Survey Record Type	Database ID	Has the sponsor taken affirmative vote or actions? (TWC 16.053(h)(10))
I	Alto - Municipal Conservation	2020	WUG Reducing Demand: Alto	Recommended Demand Reduction Strategy Without WMS Project	28793	No
I	Alto Rural WSC - Municipal Conservation	2020	WUG Reducing Demand: Alto Rural WSC	Recommended Demand Reduction Strategy Without WMS Project	28798	No
I	ANCD-VOL-Volumetric Survey and Normal Pool Elevation Adjustment	2040	Project Sponsor(s): Angelina Nacogdoches WCID 1	Recommended WMS Project	2199	No
I	Angelina Manufacturing	2020	WMS Seller: Lufkin; WMS Supply Recipient: Manufacturing, Angelina	Recommended WMS Supply Without WMS Project	86900	Yes
I	ANGL-MIN-Purchase from Angelina Neches River Authority (Run of River, Angelina)	2030	Project Sponsor(s): Mining (Angelina)	Recommended WMS Project	2053	No
I	ANRA-COL-Lake Columbia	2030	Project Sponsor(s): Angelina and Neches River Authority	Recommended WMS Project	1696	Yes
I	ANRA-GW-ANRA Groundwater Wells	2030	Project Sponsor(s): Angelina and Neches River Authority	Recommended WMS Project	2051	No
I	ANRA-WTP-ANRA Treatment Plant and Distribution System	2030	Project Sponsor(s): Angelina and Neches River Authority	Recommended WMS Project	2136	No
I	Appleby WSC - Municipal Conservation	2020	WUG Reducing Demand: Appleby WSC	Recommended Demand Reduction Strategy Without WMS Project	28803	No
I	Arp - Municipal Conservation	2020	WUG Reducing Demand: Arp	Recommended Demand Reduction Strategy Without WMS Project	28808	Yes
I	Beaumont Contract Amendment	2060	WMS Seller: Lower Neches Valley Authority; WMS Supply Recipient: Beaumont	Recommended WMS Supply Without WMS Project	90251	Yes
I	Blackjack WSC - Municipal Conservation	2020	WUG Reducing Demand: Blackjack WSC	Recommended Demand Reduction Strategy Without WMS Project	28827	No
I	Brownsboro - Municipal Conservation	2020	WUG Reducing Demand: Brownsboro	Recommended Demand Reduction Strategy Without WMS Project	28832	No
I	Bullard - Municipal Conservation	2020	WUG Reducing Demand: Bullard	Recommended Demand Reduction Strategy Without WMS Project	28837	No



**Table 9-1
Implementation Status of Region I Water Management Strategies**

Planning Region	WMS or WMS Project Name	What is the status of the WMS project or WMS recommended in the 2022 SWP?	If the project has not been started or no longer is being pursued, please explain why by adding information in this column.	Please select one or more project impediments. If an impediment is not listed, select "Other" and provide information in Column K.	If you selected "Other" in Column J, please provide information about project impediments not shown in the impediment list provided.
I	Alto - Municipal Conservation	Project/WMS not started	RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	unknown due to lack of information
I	Alto Rural WSC - Municipal Conservation	Project/WMS not started	RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	unknown due to lack of information
I	ANCD-VOL-Volumetric Survey and Normal Pool Elevation Adjustment	Project/WMS not started	No need identified for sponsor until 2040 in the 2021 RWP. This is the same case as the 2026 RWP.	Other	No impediments
I	Angelina Manufacturing	Project/WMS completed		Other	No impediments
I	ANGL-MIN-Purchase from Angelina Neches River Authority (Run of River, Angelina)	Project/WMS not started	No need identified for sponsor until 2030 in the 2021 RWP. This is the same case as the 2026 RWP.	Other	No impediments
I	ANRA-COL-Lake Columbia	Project/WMS started	Currently seeking a 404 permit for construction as of October 2024	Other	No impediments
I	ANRA-GW-ANRA Groundwater Wells	Project/WMS no longer being pursued	No longer an active project that ANRA is pursuing.	Other	No impediments
I	ANRA-WTP-ANRA Treatment Plant and Distribution System	Project/WMS not started	Project is shifted by one decade.	Other	No impediments
I	Appleby WSC - Municipal Conservation	Project/WMS not started	RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	unknown due to lack of information
I	Arp - Municipal Conservation	Project/WMS started		Other	Sponsor has prepared a 2024 WCP.
I	Beaumont Contract Amendment	Project/WMS started		Other	No impediments
I	Blackjack WSC - Municipal Conservation	Project/WMS not started	RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	unknown due to lack of information
I	Brownsboro - Municipal Conservation	Project/WMS not started	Sponsor is not required to develop a WCP based on TWDB criteria. RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	Sponsor is not required to develop a WCP based on TWDB criteria. RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity
I	Bullard - Municipal Conservation	Project/WMS not started	RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	unknown due to lack of information



**Table 9-1
Implementation Status of Region I Water Management Strategies**

Planning Region	WMS or WMS Project Name	What funding type(s) are being used for the project? (Select all that apply)	Optional Comments
I	Alto - Municipal Conservation	Unknown	
I	Alto Rural WSC - Municipal Conservation	Unknown	
I	ANCD-VOL-Volumetric Survey and Normal Pool Elevation Adjustment	Unknown	
I	Angelina Manufacturing	Unknown; Private	City of Lufkin has been providing water to about 20% of the manufacturing demand in Angelina County. It is assumed that any unmet needs projected in the 2021 RWP have already been met through either contract amendment or increase groundwater pumping.
I	ANGL-MIN-Purchase from Angelina Neches River Authority (Run of River, Angelina)	Unknown	Groundwater is sufficient to meet the current mining demand in Angelina County.
I	ANRA-COL-Lake Columbia	Unknown; Private	Both ANRA and participating entities will share in the costs associated with the Lake Columbia construction.
I	ANRA-GW-ANRA Groundwater Wells	Unknown; Private	This project was included in the 2021 RWP for ANRA to supply water for non-municipal customers in Cherokee County. As of 2024, those customers have not requested water from ANRA yet. Project is on hold until they reach out with needs. Contract is already in place between some customers and ANRA.
I	ANRA-WTP-ANRA Treatment Plant and Distribution System	Unknown; Private	Both ANRA and participating entities will share in the costs associated with the project.
I	Appleby WSC - Municipal Conservation	Unknown	
I	Arp - Municipal Conservation	Unknown	Sponsor has a Water Conservation Plan summarizing various water conservation BMPs being implemented
I	Beaumont Contract Amendment	Unknown	Beaumont has an active contract with LNVA and can receive supplemental water supply from LNVA during drought conditions, if needed.
I	Blackjack WSC - Municipal Conservation	Unknown	
I	Brownsboro - Municipal Conservation	Unknown	
I	Bullard - Municipal Conservation	Unknown	



**Table 9-1
Implementation Status of Region I Water Management Strategies**

Planning Region	WMS or WMS Project Name	Database Online Decade	Related Sponsor Entity and/or Benefitting WUGs	Implementation Survey Record Type	Database ID	Has the sponsor taken affirmative vote or actions? (TWC 16.053(h)(10))
I	Carthage - Municipal Conservation	2020	WUG Reducing Demand: Carthage	Recommended Demand Reduction Strategy Without WMS Project	29573	Yes
I	CENT-REU-City of Center Reuse Pipeline from WWTP to Lake Center	2030	Project Sponsor(s): Center	Recommended WMS Project	2133	No
I	CENT-TOL-Pipeline from Toledo Bend to Lake Center	2040	Project Sponsor(s): Center	Recommended WMS Project	2134	No
I	Center - Municipal Conservation	2020	WUG Reducing Demand: Center	Recommended Demand Reduction Strategy Without WMS Project	29578	No
I	Chandler - Municipal Conservation	2020	WUG Reducing Demand: Chandler	Recommended Demand Reduction Strategy Without WMS Project	29583	No
I	CHER-ALT-New Wells in Carrizo-Wilcox Aquifer	2020	Project Sponsor(s): Alto Rural WSC	Recommended WMS Project	3926	No
I	CHER-MIN-Purchase from Angelina Neches River Authority (Angelina River)	2030	Project Sponsor(s): Angelina and Neches River Authority	Recommended WMS Project	2052	No
I	CHER-RUS New Wells in Carrizo-Wilcox Aquifer	2070	Project Sponsor(s): Rusk	Recommended WMS Project	3927	No
I	CHER-WCW-New Wells in Carrizo-Wilcox Aquifer	2050	Project Sponsor(s): Wright City WSC	Recommended WMS Project	3928	No
I	Chester WSC - Municipal Conservation	2020	WUG Reducing Demand: Chester WSC	Recommended Demand Reduction Strategy Without WMS Project	29588	No
I	Colmesneil - Municipal Conservation	2020	WUG Reducing Demand: Colmesneil	Recommended Demand Reduction Strategy Without WMS Project	29595	No
I	Conservation - Bethel-Ash WSC	2020	WUG Reducing Demand: Bethel Ash WSC	Recommended Demand Reduction Strategy Without WMS Project	3835	No
I	Conservation - Henderson County	2020	WUG Reducing Demand: County-Other, Henderson	Recommended Demand Reduction Strategy Without WMS Project	4459	No
I	County-Other, Houston - Municipal Conservation	2020	WUG Reducing Demand: County-Other, Houston	Recommended Demand Reduction Strategy Without WMS Project	29600	No



**Table 9-1
Implementation Status of Region I Water Management Strategies**

Planning Region	WMS or WMS Project Name	What is the status of the WMS project or WMS recommended in the 2022 SWP?	If the project has not been started or no longer is being pursued, please explain why by adding information in this column.	Please select one or more project impediments. If an impediment is not listed, select "Other" and provide information in Column K.	If you selected "Other" in Column J, please provide information about project impediments not shown in the impediment list provided.
I	Carthage - Municipal Conservation	Project/WMS started		Other	No impediments
I	CENT-REU-City of Center Reuse Pipeline from WWTP to Lake Center	Project/WMS no longer being pursued	No longer an active project.	Other	No impediments
I	CENT-TOL-Pipeline from Toledo Bend to Lake Center	Project/WMS no longer being pursued	No longer an active project.	Other	No impediments
I	Center - Municipal Conservation	Project/WMS not started	RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	unknown due to lack of information
I	Chandler - Municipal Conservation	Project/WMS not started	Sponsor is not required to develop a WCP based on TWDB criteria. RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	Sponsor is not required to develop a WCP based on TWDB criteria. RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity
I	CHER-ALT-New Wells in Carrizo-Wilcox Aquifer	Project/WMS not started	Project sponsor has not confirmed this project.	Other	unknown due to lack of information
I	CHER-MIN-Purchase from Angelina Neches River Authority (Angelina River)	Project/WMS not started	The mining customers in Cherokee County do not have a projected need.	Shift in timeline; Other; Economic feasibility/financing; Project sponsor not identified	No impediments
I	CHER-RUS New Wells in Carrizo-Wilcox Aquifer	Project/WMS not started	No need identified for sponsor until 2070 in the 2021 RWP. This entity no longer has a projected need.	Other	No impediments
I	CHER-WCW-New Wells in Carrizo-Wilcox Aquifer	Project/WMS not started	No need identified for sponsor until 2050 in the 2021 RWP. This entity no longer has a projected need.	Other	No impediments
I	Chester WSC - Municipal Conservation	Project/WMS not started	RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	unknown due to lack of information
I	Colmesneil - Municipal Conservation	Project/WMS not started	RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	unknown due to lack of information
I	Conservation - Bethel-Ash WSC	Project/WMS not started	Sponsor is not required to develop a WCP based on TWDB criteria. RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	Sponsor is not required to develop a WCP based on TWDB criteria. RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity
I	Conservation - Henderson County	Project/WMS not started	No specific sponsor to confirm whether project(s) have started or not. However, individual County-Other water systems may be implementing conservation BMPs	Other	Sponsor is not required to develop a WCP based on TWDB criteria. RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity
I	County-Other, Houston - Municipal Conservation	Project/WMS not started	RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	unknown due to lack of information



**Table 9-1
Implementation Status of Region I Water Management Strategies**

Planning Region	WMS or WMS Project Name	What funding type(s) are being used for the project? (Select all that apply)	Optional Comments
I	Carthage - Municipal Conservation	Unknown	
I	CENT-REU-City of Center Reuse Pipeline from WWTP to Lake Center	Unknown	City of Center no longer pursued this project and has identified a revised project, which is to provide treated wastewater to an industrial customer to offset its potable demand.
I	CENT-TOL-Pipeline from Toledo Bend to Lake Center	Unknown	No longer an active project. It is now an alternate project.
I	Center - Municipal Conservation	Unknown	
I	Chandler - Municipal Conservation	Unknown	
I	CHER-ALT-New Wells in Carrizo-Wilcox Aquifer	Unknown	Region I RWPG has contacted this entities multiple times and has not heard back.
I	CHER-MIN-Purchase from Angelina Neches River Authority (Angelina River)	Unknown	This entity no longer shows a need. Impediment column should show "other", but it does not allow us to edit it.
I	CHER-RUS New Wells in Carrizo-Wilcox Aquifer	Unknown	This entity no longer shows a need
I	CHER-WCW-New Wells in Carrizo-Wilcox Aquifer	Unknown	This entity no longer shows a need
I	Chester WSC - Municipal Conservation	Unknown	
I	Colmesneil - Municipal Conservation	Unknown	
I	Conservation - Bethel-Ash WSC	Unknown	
I	Conservation - Henderson County	Unknown	
I	County-Other, Houston - Municipal Conservation	Unknown	



**Table 9-1
Implementation Status of Region I Water Management Strategies**

Planning Region	WMS or WMS Project Name	Database Online Decade	Related Sponsor Entity and/or Benefitting WUGs	Implementation Survey Record Type	Database ID	Has the sponsor taken affirmative vote or actions? (TWC 16.053(h)(10))
I	County-Other, Jefferson - Municipal Conservation	2020	WUG Reducing Demand: County-Other, Jefferson	Recommended Demand Reduction Strategy Without WMS Project	29613	No
I	Crockett - Municipal Conservation	2020	WUG Reducing Demand: Crockett	Recommended Demand Reduction Strategy Without WMS Project	29620	No
I	Cypress Creek WSC - Municipal Conservation	2020	WUG Reducing Demand: Cypress Creek WSC	Recommended Demand Reduction Strategy Without WMS Project	29637	No
I	Dean WSC - Municipal Conservation	2020	WUG Reducing Demand: Dean WSC	Recommended Demand Reduction Strategy Without WMS Project	29642	No
I	Elkhart - Municipal Conservation	2020	WUG Reducing Demand: Elkhart	Recommended Demand Reduction Strategy Without WMS Project	28781	No
I	Frankston - Municipal Conservation	2020	WUG Reducing Demand: Frankston	Recommended Demand Reduction Strategy Without WMS Project	28786	Yes
I	Garrison - Municipal Conservation	2020	WUG Reducing Demand: Garrison	Recommended Demand Reduction Strategy Without WMS Project	29647	No
I	HDSN-ATN-Advanced Conservation	2020	Project Sponsor(s): Athens	Recommended WMS Project	4410	Yes
I	HDSN-CHN-New Wells in Carrizo-Wilcox Aquifer	2070	Project Sponsor(s): Chandler	Recommended WMS Project	3932	No
I	HDSN-MIN-New Wells in Carrizo-Wilcox Aquifer	2030	Project Sponsor(s): Mining (Henderson)	Recommended WMS Project	3931	No
I	HDSN-MSW-New Wells in Carrizo-Wilcox Aquifer	2060	Project Sponsor(s): Moore Station WSC	Recommended WMS Project	3930	No
I	Hemphill - Municipal Conservation	2020	WUG Reducing Demand: Hemphill	Recommended Demand Reduction Strategy Without WMS Project	29652	No
I	HOUS-LTK-New Wells in Yegua-Jackson	2070	Project Sponsor(s): Livestock (Houston)	Recommended WMS Project	1916	No
I	JACK-COL-Supply from Lake Columbia	2030	Project Sponsor(s): Jacksonville	Recommended WMS Project	2099	No



**Table 9-1
Implementation Status of Region I Water Management Strategies**

Planning Region	WMS or WMS Project Name	What is the status of the WMS project or WMS recommended in the 2022 SWP?	If the project has not been started or no longer is being pursued, please explain why by adding information in this column.	Please select one or more project impediments. If an impediment is not listed, select "Other" and provide information in Column K.	If you selected "Other" in Column J, please provide information about project impediments not shown in the impediment list provided.
I	County-Other, Jefferson - Municipal Conservation	Project/WMS not started	No specific sponsor to confirm whether project(s) have started or not. However, individual County-Other water systems may be implementing conservation BMPs	Other	Sponsor is not required to develop a WCP based on TWDB criteria. RWPG and consultants did not receive a survey response from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity
I	Crockett - Municipal Conservation	Project/WMS not started	RWPG and consultants did not receive a survey response from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	unknown due to lack of information
I	Cypress Creek WSC - Municipal Conservation	Project/WMS not started	RWPG and consultants did not receive a survey response from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	unknown due to lack of information
I	Dean WSC - Municipal Conservation	Project/WMS not started	RWPG and consultants did not receive a survey response from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	unknown due to lack of information
I	Elkhart - Municipal Conservation	Project/WMS not started	Sponsor is not required to develop a WCP based on TWDB criteria. RWPG and consultants did not receive a survey response from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	Sponsor is not required to develop a WCP based on TWDB criteria. RWPG and consultants did not receive a survey response from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity
I	Frankston - Municipal Conservation	Project/WMS started		Other	No impediments
I	Garrison - Municipal Conservation	Project/WMS not started	RWPG and consultants did not receive a survey response from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	unknown due to lack of information
I	HDSN-ATN-Advanced Conservation	Project/WMS started		Other	No impediments
I	HDSN-CHN-New Wells in Carrizo-Wilcox Aquifer	Project/WMS not started	No need identified for sponsor until 2070 in the 2021 RWP. This is the same case as the 2026 RWP	Shift in timeline	
I	HDSN-MIN-New Wells in Carrizo-Wilcox Aquifer	Project/WMS not started	No specific sponsor to confirm whether project has started or not.	Project sponsor not identified	
I	HDSN-MSW-New Wells in Carrizo-Wilcox Aquifer	Project/WMS not started	No need identified for sponsor until 2060 in the 2021 RWP. No need identified for sponsor in 2026 RWP	Shift in timeline	
I	Hemphill - Municipal Conservation	Project/WMS not started	RWPG and consultants did not receive a survey response from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	unknown due to lack of information
I	HOUS-LTK-New Wells in Yegua-Jackson	Project/WMS not started	No need identified for sponsor until 2070 in the 2021 RWP. This is the same case as the 2026 RWP	Other; Project sponsor not identified	No impediments
I	JACK-COL-Supply from Lake Columbia	Project/WMS not started	No need identified for City of Jacksonville. They decided to shift the project timeline.	Shift in timeline	No impediments



**Table 9-1
Implementation Status of Region I Water Management Strategies**

Planning Region	WMS or WMS Project Name	What funding type(s) are being used for the project? (Select all that apply)	Optional Comments
I	County-Other, Jefferson - Municipal Conservation	Unknown	
I	Crockett - Municipal Conservation	Unknown	
I	Cypress Creek WSC - Municipal Conservation	Unknown	
I	Dean WSC - Municipal Conservation	Unknown	
I	Elkhart - Municipal Conservation	Unknown	
I	Frankston - Municipal Conservation	Unknown	Sponsor has a Water Conservation Plan summarizing various water conservation BMPs being implemented
I	Garrison - Municipal Conservation	Unknown	
I	HDSN-ATN-Advanced Conservation	Unknown	Sponsor has a Water Conservation Plan summarizing various water conservation BMPs being implemented
I	HDSN-CHN-New Wells in Carrizo-Wilcox Aquifer	Unknown	
I	HDSN-MIN-New Wells in Carrizo-Wilcox Aquifer	Unknown	
I	HDSN-MSW-New Wells in Carrizo-Wilcox Aquifer	Unknown	
I	Hemphill - Municipal Conservation	Unknown	
I	HOUS-LTK-New Wells in Yegua-Jackson	Unknown	No specific sponsors identified for projects
I	JACK-COL-Supply from Lake Columbia	Unknown	No projected needs. Project will be shifted by one decade.



**Table 9-1
Implementation Status of Region I Water Management Strategies**

Planning Region	WMS or WMS Project Name	Database Online Decade	Related Sponsor Entity and/or Benefitting WUGs	Implementation Survey Record Type	Database ID	Has the sponsor taken affirmative vote or actions? (TWC 16.053(h)(10))
I	Jacksonville - Municipal Conservation	2020	WUG Reducing Demand: Jacksonville	Recommended Demand Reduction Strategy Without WMS Project	29664	No
I	JASP-LTK-Purchase from Lower Neches Valley Authority (Sam Rayburn)	2020	WMS Seller: Lower Neches Valley Authority; WMS Supply Recipient: Livestock, Jasper	Recommended WMS Supply Without WMS Project	98681	Yes
I	JEFF-BEA-Advanced Conservation	2020	Project Sponsor(s): Beaumont	Recommended WMS Project	4411	Yes
I	JEFF-CTR-Purchase from Lower Neches Valley Authority (Sam Rayburn)	2060	Project Sponsor(s): Municipal county-other (Jefferson)	Recommended WMS Project	1931	No
I	JEFF-MFG-Purchase from Lower Neches Valley Authority (Sam Rayburn)	2030	Project Sponsor(s): Manufacturing (Jefferson)	Recommended WMS Project	1932	Yes
I	JEFF-SEP-Purchase from Lower Neches Valley Authority (Sam Rayburn)	2030	Project Sponsor(s): Steam-electric power (Jefferson)	Recommended WMS Project	1933	No
I	Kirbyville - Municipal Conservation	2020	WUG Reducing Demand: Kirbyville	Recommended Demand Reduction Strategy Without WMS Project	29681	No
I	LNVA-SRA-Purchase from Sabine River Authority (Toledo Bend)	2040	Project Sponsor(s): Lower Neches Valley Authority	Recommended WMS Project	1943	Yes
I	LNVA-WRR-Beaumont West Regional Reservoir	2020	Project Sponsor(s): Lower Neches Valley Authority	Recommended WMS Project	2009	Yes
I	Lovelady - Municipal Conservation	2020	WUG Reducing Demand: Lovelady	Recommended Demand Reduction Strategy Without WMS Project	29693	No
I	LUFK-RAY-Conveyance from Sam Rayburn to Kurth Lake - Phase 1	2030	Project Sponsor(s): Lufkin	Recommended WMS Project	2010	No
I	LUFK-RAY-Conveyance from Sam Rayburn to Kurth Lake - Phase 2	2040	Project Sponsor(s): Lufkin	Recommended WMS Project	2011	No
I	LUFK-RAY-Conveyance from Sam Rayburn to Kurth Lake - Phase 3	2050	Project Sponsor(s): Lufkin	Recommended WMS Project	2012	No
I	Lufkin - Municipal Conservation	2020	WUG Reducing Demand: Lufkin	Recommended Demand Reduction Strategy Without WMS Project	29698	No
I	Mt Enterprise WSC - Municipal Conservation	2020	WUG Reducing Demand: Mt Enterprise WSC	Recommended Demand Reduction Strategy Without WMS Project	29703	No



**Table 9-1
Implementation Status of Region I Water Management Strategies**

Planning Region	WMS or WMS Project Name	What is the status of the WMS project or WMS recommended in the 2022 SWP?	If the project has not been started or no longer is being pursued, please explain why by adding information in this column.	Please select one or more project impediments. If an impediment is not listed, select "Other" and provide information in Column K.	If you selected "Other" in Column J, please provide information about project impediments not shown in the impediment list provided.
I	Jacksonville - Municipal Conservation	Project/WMS not started	RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	unknown due to lack of information
I	JASP-LTK-Purchase from Lower Neches Valley Authority (Sam Rayburn)	Project/WMS started		Other	No impediments
I	JEFF-BEA-Advanced Conservation	Project/WMS started		Other	No impediments
I	JEFF-CTR-Purchase from Lower Neches Valley Authority (Sam Rayburn)	Project/WMS not started	No need identified for sponsor until 2060 in the 2021 RWP. No need identified for sponsor in 2026 RWP. No specific sponsor to confirm whether project has started or not.	Project sponsor not identified	
I	JEFF-MFG-Purchase from Lower Neches Valley Authority (Sam Rayburn)	Project/WMS started		Other	No impediments
I	JEFF-SEP-Purchase from Lower Neches Valley Authority (Sam Rayburn)	Project/WMS no longer being pursued	2021 RWP demand was associated with a facility (Port Arthur Steam Energy) that was retired in 2018 according to TWDB supporting data for steam electric power facilities (2021)		
I	Kirbyville - Municipal Conservation	Project/WMS not started	Sponsor is not required to develop a WCP based on TWDB criteria. RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	Sponsor is not required to develop a WCP based on TWDB criteria. RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity
I	LNVA-SRA-Purchase from Sabine River Authority (Toledo Bend)	Project/WMS not started	Project is still being pursued and sponsor(s) have taken affirmative actions. The online date is being shifted to a later decade (2050) in the 2026 RWP.	Shift in timeline	
I	LNVA-WRR-Beaumont West Regional Reservoir	Project/WMS started		Other	No impediments
I	Lovelady - Municipal Conservation	Project/WMS not started	RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	unknown due to lack of information
I	LUFK-RAY-Conveyance from Sam Rayburn to Kurth Lake - Phase 1	Project/WMS not started	No need identified for this entity. They decided to shift the project timeline.	Shift in timeline	No impediments
I	LUFK-RAY-Conveyance from Sam Rayburn to Kurth Lake - Phase 2	Project/WMS not started	No need identified for this entity. They decided to shift the project timeline.	Shift in timeline	No impediments
I	LUFK-RAY-Conveyance from Sam Rayburn to Kurth Lake - Phase 3	Project/WMS not started	No need identified for this entity. They decided to shift the project timeline.	Shift in timeline	No impediments
I	Lufkin - Municipal Conservation	Project/WMS not started	RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	unknown due to lack of information
I	Mt Enterprise WSC - Municipal Conservation	Project/WMS not started	Sponsor is not required to develop a WCP based on TWDB criteria. RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	Sponsor is not required to develop a WCP based on TWDB criteria. RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity



**Table 9-1
Implementation Status of Region I Water Management Strategies**

Planning Region	WMS or WMS Project Name	What funding type(s) are being used for the project? (Select all that apply)	Optional Comments
I	Jacksonville - Municipal Conservation	Unknown	
I	JASP-LTK-Purchase from Lower Neches Valley Authority (Sam Rayburn)	Private	No specific sponsors identified for projects; however, livestock water users in Jasper County have contracts with LNVA.
I	JEFF-BEA-Advanced Conservation	Unknown	Sponsor has a Water Conservation Plan summarizing various water conservation BMPs being implemented
I	JEFF-CTR-Purchase from Lower Neches Valley Authority (Sam Rayburn)	Unknown	
I	JEFF-MFG-Purchase from Lower Neches Valley Authority (Sam Rayburn)	Private	No specific sponsors identified for projects; however, manufacturing water users in Jefferson County have contracts with LNVA.
I	JEFF-SEP-Purchase from Lower Neches Valley Authority (Sam Rayburn)	Private	
I	Kirbyville - Municipal Conservation	Unknown	
I	LNVA-SRA-Purchase from Sabine River Authority (Toledo Bend)	Unknown	
I	LNVA-WRR-Beaumont West Regional Reservoir	Unknown	
I	Lovelady - Municipal Conservation	Unknown	
I	LUFK-RAY-Conveyance from Sam Rayburn to Kurth Lake - Phase 1	Unknown	No projected needs. Project will be shifted by one decade.
I	LUFK-RAY-Conveyance from Sam Rayburn to Kurth Lake - Phase 2	Unknown	No projected needs. Project will be shifted by one decade.
I	LUFK-RAY-Conveyance from Sam Rayburn to Kurth Lake - Phase 3	Unknown	No projected needs. Project will be shifted by one decade.
I	Lufkin - Municipal Conservation	Unknown	
I	Mt Enterprise WSC - Municipal Conservation	Unknown	



**Table 9-1
Implementation Status of Region I Water Management Strategies**

Planning Region	WMS or WMS Project Name	Database Online Decade	Related Sponsor Entity and/or Benefitting WUGs	Implementation Survey Record Type	Database ID	Has the sponsor taken affirmative vote or actions? (TWC 16.053(h)(10))
I	NACN-LK - Lake Naconiche Infrastructure	2030	Project Sponsor(s): Municipal county-other (Nacogdoches)	Recommended WMS Project	2125	Yes
I	NACP-COL-Lake Columbia to Nacogdoches Raw Water Transmission System	2040	Project Sponsor(s): Nacogdoches	Recommended WMS Project	2101	No
I	NACW-DMW-New Wells in Carrizo-Wilcox Aquifer	2040	Project Sponsor(s): D and M WSC	Recommended WMS Project	2088	No
I	NACW-LTK-New Wells in Carrizo-Wilcox Aquifer	2030	Project Sponsor(s): Livestock (Nacogdoches)	Recommended WMS Project	2084	No
I	NACW-MIN-Purchase from Angelina Neches River Authority (Angelina River)	2030	Project Sponsor(s): Mining (Nacogdoches)	Recommended WMS Project	2054	No
I	New London - Municipal Conservation	2020	WUG Reducing Demand: New London	Recommended Demand Reduction Strategy Without WMS Project	29713	Yes
I	Newton - Municipal Conservation	2020	WUG Reducing Demand: Newton	Recommended Demand Reduction Strategy Without WMS Project	29720	No
I	Newton Mining - Transfer from SRA	2020	WMS Seller: Sabine River Authority; WMS Supply Recipient: Mining, Newton	Recommended WMS Supply Without WMS Project	90231	No
I	Norwood WSC - Municipal Conservation	2020	WUG Reducing Demand: Norwood WSC	Recommended Demand Reduction Strategy Without WMS Project	29725	No
I	ORAN-IRR-Purchase from Sabine River Authority (Sabine River)	2030	Project Sponsor(s): Irrigation (Orange)	Recommended WMS Project	3965	Yes
I	Overton - Municipal Conservation	2020	WUG Reducing Demand: Overton	Recommended Demand Reduction Strategy Without WMS Project	29732	No
I	Palestine - Municipal Conservation	2020	WUG Reducing Demand: Palestine	Recommended Demand Reduction Strategy Without WMS Project	29743	Yes
I	PANL-LTK-New Wells in Carrizo-Wilcox Aquifer	2030	Project Sponsor(s): Livestock (Panola)	Recommended WMS Project	3945	No
I	Pleasant Springs WSC - Municipal Conservation	2020	WUG Reducing Demand: Pleasant Springs WSC	Recommended Demand Reduction Strategy Without WMS Project	29759	No
I	PORT-CONS-City of Port Arthur - Advanced Conservation	2020	Project Sponsor(s): Port Arthur	Recommended WMS Project	3959	Yes
I	Rusk - Municipal Conservation	2020	WUG Reducing Demand: Rusk	Recommended Demand Reduction Strategy Without WMS Project	29773	No



**Table 9-1
Implementation Status of Region I Water Management Strategies**

Planning Region	WMS or WMS Project Name	What is the status of the WMS project or WMS recommended in the 2022 SWP?	If the project has not been started or no longer is being pursued, please explain why by adding information in this column.	Please select one or more project impediments. If an impediment is not listed, select "Other" and provide information in Column K.	If you selected "Other" in Column J, please provide information about project impediments not shown in the impediment list provided.
I	NACN-LK - Lake Naconiche Infrastructure	Project/WMS not started	Project is still being pursued and sponsor(s) have taken affirmative actions. The online date is being shifted to a later decade (2050) in the 2026 RWP.	Shift in timeline	
I	NACP-COL-Lake Columbia to Nacogdoches Raw Water Transmission System	Project/WMS not started	No projected needs and therefore has not taken action on this project yet.	Other	No impediments
I	NACW-DMW-New Wells in Carrizo-Wilcox Aquifer	Project/WMS not started	No need identified for sponsor until 2040 in the 2021 RWP. This is the same case as the 2026 RWP.	Other; Project sponsor not identified	No impediments
I	NACW-LTK-New Wells in Carrizo-Wilcox Aquifer	Project/WMS not started	No specific sponsor to confirm whether project has started or not.	Project sponsor not identified	
I	NACW-MIN-Purchase from Angelina Neches River Authority (Angelina River)	Project/WMS not started	No specific sponsor to confirm whether project has started or not.	Project sponsor not identified	
I	New London - Municipal Conservation	Project/WMS started		Other	No impediments
I	Newton - Municipal Conservation	Project/WMS not started	Sponsor is not required to develop a WCP based on TWDB criteria. RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	Sponsor is not required to develop a WCP based on TWDB criteria. RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity
I	Newton Mining - Transfer from SRA	Project/WMS not started	No specific sponsor to confirm whether project has started or not.	Project sponsor not identified	
I	Norwood WSC - Municipal Conservation	Project/WMS not started	Sponsor is not required to develop a WCP based on TWDB criteria. RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	Sponsor is not required to develop a WCP based on TWDB criteria. RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity
I	ORAN-IRR-Purchase from Sabine River Authority (Sabine River)	Project/WMS started		Other	No impediments
I	Overton - Municipal Conservation	Project/WMS not started	Sponsor is not required to develop a WCP based on TWDB criteria. RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	Sponsor is not required to develop a WCP based on TWDB criteria. RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity
I	Palestine - Municipal Conservation	Project/WMS started		Other	No impediments
I	PANL-LTK-New Wells in Carrizo-Wilcox Aquifer	Project/WMS not started	No specific sponsor to confirm whether project has started or not.	Project sponsor not identified	
I	Pleasant Springs WSC - Municipal Conservation	Project/WMS not started	Sponsor is not required to develop a WCP based on TWDB criteria. RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	Sponsor is not required to develop a WCP based on TWDB criteria. RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity
I	PORT-CONS-City of Port Arthur - Advanced Conservation	Project/WMS started		Other	No impediments
I	Rusk - Municipal Conservation	Project/WMS not started	RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	unknown due to lack of information



**Table 9-1
Implementation Status of Region I Water Management Strategies**

Planning Region	WMS or WMS Project Name	What funding type(s) are being used for the project? (Select all that apply)	Optional Comments
I	NACN-LK - Lake Naconiche Infrastructure	Unknown	
I	NACP-COL-Lake Columbia to Nacogdoches Raw Water Transmission System	Unknown	No projected needs.
I	NACW-DMW-New Wells in Carrizo-Wilcox Aquifer	Unknown	No projected needs until 2040, no action has taken yet. Impediment should be "other", but changes are not enable.
I	NACW-LTK-New Wells in Carrizo-Wilcox Aquifer	Unknown	No specific sponsors identified for projects; however, current supplies are sufficient to meet projected demand.
I	NACW-MIN-Purchase from Angelina Neches River Authority (Angelina River)	Unknown	No specific sponsors identified for projects; however, current supplies are sufficient to meet projected demand.
I	New London - Municipal Conservation	Unknown	Sponsor has a Water Conservation Plan summarizing various water conservation BMPs being implemented
I	Newton - Municipal Conservation	Unknown	
I	Newton Mining - Transfer from SRA	Unknown	
I	Norwood WSC - Municipal Conservation	Unknown	
I	ORAN-IRR-Purchase from Sabine River Authority (Sabine River)	Private	No specific sponsors identified for projects; however, irrigation water users in Orange County have contracts with SRA.
I	Overton - Municipal Conservation	Unknown	
I	Palestine - Municipal Conservation	Unknown	Sponsor has a Water Conservation Plan summarizing various water conservation BMPs being implemented
I	PANL-LTK-New Wells in Carrizo-Wilcox Aquifer	Unknown	
I	Pleasant Springs WSC - Municipal Conservation	Unknown	
I	PORT-CONS-City of Port Arthur - Advanced Conservation	Unknown	Sponsor has a Water Conservation Plan summarizing various water conservation BMPs being implemented
I	Rusk - Municipal Conservation	Unknown	



**Table 9-1
Implementation Status of Region I Water Management Strategies**

Planning Region	WMS or WMS Project Name	Database Online Decade	Related Sponsor Entity and/or Benefitting WUGs	Implementation Survey Record Type	Database ID	Has the sponsor taken affirmative vote or actions? (TWC 16.053(h)(10))
I	RUSK-JAW-New Wells in Carrizo-Wilcox Aquifer	2070	Project Sponsor(s): Jacobs WSC	Recommended WMS Project	3946	No
I	RUSK-LTK-New Wells in Carrizo-Wilcox Aquifer	2040	Project Sponsor(s): Livestock (Rusk)	Recommended WMS Project	3947	No
I	RUSK-MIN-Purchase from Angelina Neches River Authority (Angelina River)	2020	Project Sponsor(s): Mining (Rusk)	Recommended WMS Project	2056	No
I	RUSK-SEP-Purchase from Sabine River Authority (Toledo Bend)	2030	Project Sponsor(s): Steam-electric power (Rusk)	Recommended WMS Project	1936	No
I	Sand Hills WSC - Municipal Conservation	2020	WUG Reducing Demand: Sand Hills WSC	Recommended Demand Reduction Strategy Without WMS Project	29783	No
I	SAUG-LTK-Purchase from SRA (Toledo Bend)	2030	Project Sponsor(s): Livestock (San Augustine)	Recommended WMS Project	3964	No
I	SAUG-MIN-Purchase from Angelina Neches River Authority	2030	Project Sponsor(s): Mining (San Augustine)	Recommended WMS Project	2055	No
I	SAUG-SAG-New Wells in Carrizo-Wilcox Aquifer	2030	Project Sponsor(s): San Augustine	Recommended WMS Project	3958	No
I	SHEL-LTK-Purchase from Sabine River Authority (Toledo Bend)	2020	Project Sponsor(s): Livestock (Shelby)	Recommended WMS Project	2050	No
I	SHEL-SHW-Purchase from Center	2020	Project Sponsor(s): Sand Hills WSC	Recommended WMS Project	3962	Yes
I	SMTH-BLD-Purchase from City of Tyler	2030	Project Sponsor(s): Bullard	Recommended WMS Project	2046	No
I	SMTH-CYS-New Wells in Carrizo-Wilcox Aquifer	2020	Project Sponsor(s): Crystal Systems Texas	Recommended WMS Project	2045	No
I	SMTH-LDL-Infrastructure	2020	Project Sponsor(s): Lindale	Recommended WMS Project	2047	No
I	SMTH-MFG-Purchase from City of Tyler	2020	Project Sponsor(s): Manufacturing (Smith)	Recommended WMS Project	2048	No
I	SMTH-OVN-New Wells in Carrizo-Wilcox Aquifer	2030	Project Sponsor(s): Overton	Recommended WMS Project	3948	No
I	SMTH-WTH-Purchase from City of Tyler (Lake Palestine/Lake Tyler/Carrizo-Wilcox)	2060	Project Sponsor(s): Whitehouse	Recommended WMS Project	3961	No
I	Tatum - Municipal Conservation	2020	WUG Reducing Demand: Tatum	Recommended Demand Reduction Strategy Without WMS Project	29843	No
I	TDCJ Beto Gurney & Powledge Units - Municipal Conservation	2020	WUG Reducing Demand: TDCJ Beto Gurney & Powledge Units	Recommended Demand Reduction Strategy Without WMS Project	29790	No
I	TDCJ Coffield Michael - Municipal Conservation	2020	WUG Reducing Demand: TDCJ Coffield Michael	Recommended Demand Reduction Strategy Without WMS Project	29795	No



**Table 9-1
Implementation Status of Region I Water Management Strategies**

Planning Region	WMS or WMS Project Name	What is the status of the WMS project or WMS recommended in the 2022 SWP?	If the project has not been started or no longer is being pursued, please explain why by adding information in this column.	Please select one or more project impediments. If an impediment is not listed, select "Other" and provide information in Column K.	If you selected "Other" in Column J, please provide information about project impediments not shown in the impediment list provided.
I	RUSK-JAW-New Wells in Carrizo-Wilcox Aquifer	Project/WMS not started	No need identified for sponsor until 2070 in the 2021 RWP. No need identified for sponsor in 2026 RWP	Shift in timeline	
I	RUSK-LTK-New Wells in Carrizo-Wilcox Aquifer	Project/WMS not started	No specific sponsor to confirm whether project has started or not.	Project sponsor not identified	
I	RUSK-MIN-Purchase from Angelina Neches River Authority (Angelina River)	Project/WMS not started	No specific sponsor to confirm whether project has started or not.	Project sponsor not identified	
I	RUSK-SEP-Purchase from Sabine River Authority (Toledo Bend)	Project/WMS not started	No specific sponsor to confirm whether project has started or not.	Project sponsor not identified	
I	Sand Hills WSC - Municipal Conservation	Project/WMS not started	RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	unknown due to lack of information
I	SAUG-LTK-Purchase from SRA (Toledo Bend)	Project/WMS not started	No specific sponsor to confirm whether project has started or not.	Project sponsor not identified	
I	SAUG-MIN-Purchase from Angelina Neches River Authority	Project/WMS not started	No specific sponsor to confirm whether project has started or not.	Project sponsor not identified	
I	SAUG-SAG-New Wells in Carrizo-Wilcox Aquifer	Project/WMS not started	No need identified for sponsor in 2026 RWP	Shift in timeline	
I	SHEL-LTK-Purchase from Sabine River Authority (Toledo Bend)	Project/WMS not started	No specific sponsor to confirm whether project has started or not.	Project sponsor not identified	
I	SHEL-SHW-Purchase from Center	Project/WMS completed		Other	No impediments
I	SMTH-BLD-Purchase from City of Tyler	Project/WMS not started	No longer shows projected need	Other	No impediments
I	SMTH-CYS-New Wells in Carrizo-Wilcox Aquifer	Project/WMS not started	No longer shows projected need	Other	No impediments
I	SMTH-LDL-Infrastructure	Project/WMS not started	No longer shows projected need	Other	No impediments
I	SMTH-MFG-Purchase from City of Tyler	Project/WMS not started		Project sponsor not identified	
I	SMTH-OVN-New Wells in Carrizo-Wilcox Aquifer	Project/WMS not started	No longer shows projected need	Other; Project sponsor not identified	No impediments
I	SMTH-WTH-Purchase from City of Tyler (Lake Palestine/Lake Tyler/Carrizo-Wilcox)	Project/WMS not started	No longer shows projected need	Other; Project sponsor not identified	No impediments
I	Tatum - Municipal Conservation	Project/WMS not started	Sponsor is not required to develop a WCP based on TWDB criteria. RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	Sponsor is not required to develop a WCP based on TWDB criteria. RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity
I	TDCJ Beto Gurney & Powledge Units - Municipal Conservation	Project/WMS not started	Sponsor is not required to develop a WCP based on TWDB criteria. RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	Sponsor is not required to develop a WCP based on TWDB criteria. RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity
I	TDCJ Coffield Michael - Municipal Conservation	Project/WMS not started	Sponsor is not required to develop a WCP based on TWDB criteria. RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	Sponsor is not required to develop a WCP based on TWDB criteria. RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity



**Table 9-1
Implementation Status of Region I Water Management Strategies**

Planning Region	WMS or WMS Project Name	What funding type(s) are being used for the project? (Select all that apply)	Optional Comments
I	RUSK-JAW-New Wells in Carrizo-Wilcox Aquifer	Unknown	
I	RUSK-LTK-New Wells in Carrizo-Wilcox Aquifer	Unknown	
I	RUSK-MIN-Purchase from Angelina Neches River Authority (Angelina River)	Unknown	
I	RUSK-SEP-Purchase from Sabine River Authority (Toledo Bend)	Unknown	
I	Sand Hills WSC - Municipal Conservation	Unknown	
I	SAUG-LTK-Purchase from SRA (Toledo Bend)	Unknown	
I	SAUG-MIN-Purchase from Angelina Neches River Authority	Unknown	
I	SAUG-SAG-New Wells in Carrizo-Wilcox Aquifer	Unknown	
I	SHEL-LTK-Purchase from Sabine River Authority (Toledo Bend)	Unknown	
I	SHEL-SHW-Purchase from Center	Unknown	Contract is in place already.
I	SMTH-BLD-Purchase from City of Tyler	Unknown	This entity has sufficient current supplies to meet its projected demand without purchasing water from Tyler. It is currently purchasing water from Jacksonville.
I	SMTH-CYS-New Wells in Carrizo-Wilcox Aquifer	Unknown	This entity has sufficient current supplies to meet its projected demand.
I	SMTH-LDL-Infrastructure	Unknown	This entity has sufficient current supplies to meet its projected demand.
I	SMTH-MFG-Purchase from City of Tyler	Unknown	City of Tyler is currently serving some manufacturing customers in Smith County.
I	SMTH-OVN-New Wells in Carrizo-Wilcox Aquifer	Unknown	This entity has sufficient current supplies to meet its projected demand. Impediment should show "Other" but changes are not enable.
I	SMTH-WTH-Purchase from City of Tyler (Lake Palestine/Lake Tyler/Carrizo-Wilcox)	Unknown	This entity has sufficient current supplies to meet its projected demand. It is also currently contracted with the City of Tyler. Impediment should show "Other" but changes are not enable.
I	Tatum - Municipal Conservation	Unknown	
I	TDCJ Beto Gurney & Powledge Units - Municipal Conservation	Unknown	
I	TDCJ Coffield Michael - Municipal Conservation	Unknown	



**Table 9-1
Implementation Status of Region I Water Management Strategies**

Planning Region	WMS or WMS Project Name	Database Online Decade	Related Sponsor Entity and/or Benefitting WUGs	Implementation Survey Record Type	Database ID	Has the sponsor taken affirmative vote or actions? (TWC 16.053(h)(10))
I	TDCJ Eastham Unit - Municipal Conservation	2020	WUG Reducing Demand: TDCJ Eastham Unit	Recommended Demand Reduction Strategy Without WMS Project	29800	No
I	Tenaha - Municipal Conservation	2020	WUG Reducing Demand: Tenaha	Recommended Demand Reduction Strategy Without WMS Project	29805	No
I	Troup - Municipal Conservation	2020	WUG Reducing Demand: Troup	Recommended Demand Reduction Strategy Without WMS Project	29836	No
I	TRWD - Unallocated Supply Utilization	2040	WMS Seller: Tarrant Regional WD; WMS Supply Recipient: County-Other, Henderson	Recommended WMS Supply Without WMS Project	105768	Yes
I	TYLR-PAL-City of Tyler - Lake Palestine Expansion	2030	Project Sponsor(s): Tyler	Recommended WMS Project	2123	No
I	UNM-LP-Run of River, Neches with Lake Palestine	2020	Project Sponsor(s): Upper Neches River Municipal Water Authority	Recommended WMS Project	2149	Yes
I	Wells - Municipal Conservation	2020	WUG Reducing Demand: Wells	Recommended Demand Reduction Strategy Without WMS Project	29819	No
I	Wildwood POA - Municipal Conservation	2020	WUG Reducing Demand: Wildwood POA	Recommended Demand Reduction Strategy Without WMS Project	29829	No
I	Woodville - Municipal Conservation	2020	WUG Reducing Demand: Woodville	Recommended Demand Reduction Strategy Without WMS Project	29824	No
I	WUG-CONS-Municipal Conservation- Crystal Systems Texas	2020	Project Sponsor(s): Crystal Systems Texas	Recommended WMS Project	3950	No
I	WUG-CONS-Municipal Conservation- Henderson	2020	Project Sponsor(s): Henderson	Recommended WMS Project	3952	Yes
I	WUG-CONS-Municipal Conservation- Nacogdoches	2020	Project Sponsor(s): Nacogdoches	Recommended WMS Project	3954	Yes
I	WUG-CONS-Municipal Conservation-Cushing	2020	Project Sponsor(s): Cushing	Recommended WMS Project	3951	No
I	WUG-CONS-Municipal Conservation-Jasper	2020	Project Sponsor(s): Jasper	Recommended WMS Project	3953	Yes
I	WUG-CONS-Municipal Conservation-San Augustine	2020	Project Sponsor(s): San Augustine	Recommended WMS Project	3955	Yes



**Table 9-1
Implementation Status of Region I Water Management Strategies**

Planning Region	WMS or WMS Project Name	What is the status of the WMS project or WMS recommended in the 2022 SWP?	If the project has not been started or no longer is being pursued, please explain why by adding information in this column.	Please select one or more project impediments. If an impediment is not listed, select "Other" and provide information in Column K.	If you selected "Other" in Column J, please provide information about project impediments not shown in the impediment list provided.
I	TDCJ Eastham Unit - Municipal Conservation	Project/WMS not started	RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	unknown due to lack of information
I	Tenaha - Municipal Conservation	Project/WMS not started	RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	unknown due to lack of information
I	Troup - Municipal Conservation	Project/WMS not started	RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	unknown due to lack of information
I	TRWD - Unallocated Supply Utilization	Project/WMS not started	Do not see a need yet. Timeline has been push to 2050.	Other	No impediments identified to date
I	TYLR-PAL-City of Tyler - Lake Palestine Expansion	Project/WMS not started		Shift in timeline	No impediments
I	UNM-LP-Run of River, Neches with Lake Palestine	Project/WMS not started	Project is still being pursued and sponsor(s) have taken affirmative actions. The online date is being shifted to a later decade (2050) in the 2026 RWP.	Shift in timeline	
I	Wells - Municipal Conservation	Project/WMS not started	RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	unknown due to lack of information
I	Wildwood POA - Municipal Conservation	Project/WMS not started	Sponsor is not required to develop a WCP based on TWDB criteria. RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	Sponsor is not required to develop a WCP based on TWDB criteria. RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity
I	Woodville - Municipal Conservation	Project/WMS not started	RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	unknown due to lack of information
I	WUG-CONS-Municipal Conservation- Crystal Systems Texas	Project/WMS not started	RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	unknown due to lack of information
I	WUG-CONS-Municipal Conservation- Henderson	Project/WMS started		Other	No impediments
I	WUG-CONS-Municipal Conservation- Nacogdoches	Project/WMS started		Other	Sponsor has prepared a 2024 WCP
I	WUG-CONS-Municipal Conservation-Cushing	Project/WMS not started	RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	unknown due to lack of information
I	WUG-CONS-Municipal Conservation-Jasper	Project/WMS started		Other	No impediments
I	WUG-CONS-Municipal Conservation-San Augustine	Project/WMS started		Other	No impediments



**Table 9-1
Implementation Status of Region I Water Management Strategies**

Planning Region	WMS or WMS Project Name	What funding type(s) are being used for the project? (Select all that apply)	Optional Comments
I	TDCJ Eastham Unit - Municipal Conservation	Unknown	
I	Tenaha - Municipal Conservation	Unknown	
I	Troup - Municipal Conservation	Unknown	
I	TRWD - Unallocated Supply Utilization	Unknown	
I	TYLR-PAL-City of Tyler - Lake Palestine Expansion	Unknown	Do not show a projected need. Project is shifted by one decade.
I	UNM-LP-Run of River, Neches with Lake Palestine	Unknown	
I	Wells - Municipal Conservation	Unknown	
I	Wildwood POA - Municipal Conservation	Unknown	
I	Woodville - Municipal Conservation	Unknown	
I	WUG-CONS-Municipal Conservation- Crystal Systems Texas	Unknown	
I	WUG-CONS-Municipal Conservation- Henderson	Unknown	Sponsor has a Water Conservation Plan summarizing various water conservation BMPs being implemented
I	WUG-CONS-Municipal Conservation- Nacogdoches	Unknown	Sponsor has a Water Conservation Plan summarizing various water conservation BMPs being implemented
I	WUG-CONS-Municipal Conservation-Cushing	Unknown	
I	WUG-CONS-Municipal Conservation-Jasper	Unknown	Sponsor has a Water Conservation Plan summarizing various water conservation BMPs being implemented
I	WUG-CONS-Municipal Conservation-San Augustine	Unknown	Sponsor has a Water Conservation Plan summarizing various water conservation BMPs being implemented



Table 9-1
Implementation Status of Region I Water Management Strategies

Planning Region	WMS or WMS Project Name	Database Online Decade	Related Sponsor Entity and/or Benefitting WUGs	Implementation Survey Record Type	Database ID	Has the sponsor taken affirmative vote or actions? (TWC 16.053(h)(10))
I	WUG-CONS-Municipal Conservation-Southern Utilities	2020	Project Sponsor(s): Southern Utilities	Recommended WMS Project	3956	No
I	WUG-CONS-Municipal Conservation-Tyler	2020	Project Sponsor(s): Tyler	Recommended WMS Project	3957	Yes



**Table 9-1
Implementation Status of Region I Water Management Strategies**

Planning Region	WMS or WMS Project Name	What is the status of the WMS project or WMS recommended in the 2022 SWP?	If the project has not been started or no longer is being pursued, please explain why by adding information in this column.	Please select one or more project impediments. If an impediment is not listed, select "Other" and provide information in Column K.	If you selected "Other" in Column J, please provide information about project impediments not shown in the impediment list provided.
I	WUG-CONS-Municipal Conservation-Southern Utilities	Project/WMS not started	RWPG and consultants did not receive a survey reponse from sponsor regarding active water conservation BMPs, but sponsor may be implementing water conservation in some capacity	Other	unknown due to lack of information
I	WUG-CONS-Municipal Conservation-Tyler	Project/WMS started		Other	Sponsor has prepared a 2024 WCP.



Table 9-1
Implementation Status of Region I Water Management Strategies

Planning Region	WMS or WMS Project Name	What funding type(s) are being used for the project? (Select all that apply)	Optional Comments
I	WUG-CONS-Municipal Conservation-Southern Utilities	Unknown	
I	WUG-CONS-Municipal Conservation-Tyler	Unknown	Sponsor has a Water Conservation Plan summarizing various water conservation BMPs being implemented